PHASE II COMPREHENSIVE SITE ASSESSMENT REPORT AND PHASE III REMEDIAL ACTION PLAN

FORMER HOLBROOK CHEMICAL CORP. SITE
3 PHILIPPS ROAD
HOLBROOK,
MASSACHUSETTS

MASSDEP RELEASE TRACKING NUMBER
4-3024519

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COMMITMENT & INTEGRITY DRIVE RESULTS

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1.0 INTRODUCTION

Woodard & Curran Inc. (Woodard & Curran) was retained by TLA-Holbrook, LLC (TLA-Holbrook) to conduct a Phase II Comprehensive Site Assessment (CSA) and Phase III Remedial Action Plan (RAP) for the disposal site as defined by the Massachusetts Contingency Plan (MCP; 310 CMR 40.000) (herein referred to as the Site) located at the former Holbrook Chemical Corp. Site at 3 Philipps Road, Holbrook, Massachusetts (herein referred to as the Property). The subject Site is listed with the Massachusetts Department of Environmental Protection (MassDEP) under Release Tracking Number (RTN) 4-3024519. This report was prepared in accordance with the requirements of the MCP.

The Property is located at 3 Philipps Road in Holbrook, Massachusetts and was historically operated as a chemical storage, processing and sales facility The property is now owed by The Town of Holbrook and leased by TLA-Holbrook. It is currently partially occupied by Falvey Steel Castings, Inc.

Subsurface investigation activities were conducted across the Property. Results indicate that the concentrations of metals, volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, extractable petroleum hydrocarbons (EPH) are primarily present in soil. Impacts are limited in groundwater. Imminent Hazards have not been identified at the Site.

1.1 OBJECTIVES

The objectives of the Phase II CSA were to collect, develop, and evaluate the information necessary to define and evaluate (1) the source, nature, extent, and potential impacts of the release of oil and/or hazardous material (OHM) on the Site; (2) the risk of harm posed by the Site to human health, safety, public welfare, and the environment; and (3) the need to conduct additional remedial actions at the Site (310 CMR 40.0833).

The Phase III RAP identifies and evaluates remedial action alternatives that are reasonably likely to achieve a condition of No Significant Risk considering the OHM present, media contaminated, and site characteristics. The Phase III RAP also recommends a remedial action alternative that is a Permanent Solution. A Permanent Solution includes measures that reduce, to the extent feasible, the concentrations of OHM in the environment to levels that achieve or approach background.

This combined Phase II CSA and Phase III was submitted via the eDEP website; a copy of the Phase II CSA Transmittal Form (BWSC-108) is provided in Appendix A. A copy of the notification letter to the Holbrook Town officials is included in Appendix B.

2.0 SITE BACKGROUND AND HISTORY

2.1 SITE LOCATION AND DESCRIPTION

The Property is located at 3 Philipps Road in Holbrook, Massachusetts. The Property is an 11-acre parcel of land. The coordinates of the property are 42° 9' 7"N latitude, 71' 1' 39" longitude. The Universal Transverse Mercator (UTM) coordinates are 4668632 Northing and 332475 Easting in Zone 19. Figure 1 provides a Site Locus on a portion of the USGS Survey quadrangle map depicting 500 foot and ½-mile radii around the subject property. Figure 2 is a Site Plan.

Prior to 1960, the Property was owned by the Portland Chemical Works. From 1960 to approximately 1998, the Property was owned by the Holbrook Chemical Corporation and operated as a chemical storage, processing, and sales company. The Holbrook Chemical Corporation abandoned the Property in the late 1990s and the Town took the land through tax title in June 2005. TLA-Holbrook is leasing the property from the Town of Holbrook to construct and operate a municipal solid waste transfer station at the Property, with the Town retaining ownership. The Property is now partially occupied by Falvey Steel Castings, Inc.

Between December 2004 and June 2009, subsurface investigation activities were conducted across the Property as more fully described herein. Results from these studies indicate that the concentrations of metals, VOCs, pesticides, and extractable petroleum hydrocarbons detected are present in soil above applicable MCP Reportable Concentrations.

2.2 SITE SURROUNDINGS AND GENERAL SETTING

The Property, Site, and immediate surrounding properties are classified as industrial warehouse properties. Nearby properties include residential, commercial, and industrial developments. The nearest human receptors are residents living west of the Site along Centre Street. Notably, the Baird & McGuire EPA Superfund Site abuts the Site to the south-southeast. No institutions, which are defined as hospitals, health care facilities, orphanages, nursing homes, convalescent homes, educational facilities, or correctional facilities that provide overnight housing, were identified within 500 feet of the subject property during site reconnaissance conducted in June 2009.

2.3 OWNER / OPERATOR AND OPERATIONS HISTORY

The Property was acquired by the Town of Holbrook through tax title in June 2005. Historical information regarding the history of the Property is limited. Based on available information, the Property was initially owned and operated by the Portland Chemical Works. In 1960, the Property was purchased by the Holbrook Chemical Corporation, which manufactured chemicals on-site until approximately 1998. Holbrook Chemical Corporation stored, processed, and sold various chemicals commercially. Sometime prior to 1982, Philipp Brothers Chemicals, Inc. began operating the Holbrook Chemical Corporation. The Holbrook Chemical Corporation abandoned the Property in the late 1990s, and the land was taken by the Town of Holbrook through tax title in June 2005. TLA-Holbrook has a lease with the Town of Holbrook to construct and operate a municipal solid waste transfer station at the Property, with the Town retaining ownership.

Based on a review of available correspondence concerning the 1982 renewal of the Holbrook Chemical Corporation's permit to store flammable fluids, the Holbrook Chemical Corporation was permitted to store 157,800 gallons of flammable liquids on-site. These liquids were either stored in drums (62,000-gallon total capacity) or in ten bulk aboveground storage tanks ranging in size from 10,000 gallons to 20,000 gallons (134,000–gallon total capacity).

The bulk storage tanks are located within an earthen bermed area (Chemical Silo Area) located south of the former "Mixing Building". The raw chemicals would be transported to the Property using a railroad spur located along the western side of the Property. The chemicals would be off-loaded into the bulk storage tanks via a piping manifold system. The chemical manufacturing would take place in the "Mixing Building" located north of the Chemical Silo Area, where the chemicals from the bulk storage tanks would be piped to, and blended within, to produce the manufactured product. A "chemical dry well", located between the Chemical Silo Area and the "Mixing Building" was identified in the historical correspondence. This would appear to be the approximate location of the soil sample taken in 2004 by Nangle Consulting Associates, Inc. which resulted in the original DEP site notification.

During the 1982-1983 period, chemicals stored in the Chemical Silo Area included:

- Tributoxy Ethyl Phosphate
- Acetone
- Dibutyl Phthalate
- Dioctyl Adipate
- Dioctyl Phthalate
- Glacial Acetic Acid
- Glycol Ethers
- Isopropyl Alcohol
- Methyl Ethyl Ketone

During the same time period, chemicals stored on-site in drums included:

- Acetone
- Ethyl Alcohol
- N. Butyl Acetate
- N. Butyl Alcohol
- Ethyl Acetate
- Toluene
- Xylene
- Tetrahydrofuran
- Propylene Oxide
- Isobutyl Acetate

- Isobutyl Alcohol
- Methanol
- Methyl Ethyl Ketone
- Methyl Isobutyl Ketone
- Triethylamine
- Glycol Ethers
- Cyclohexanone
- 2 Ethyl Hexanol
- Formic Acid
- Formalin
- Phenol Solution
- Ethylene Glycol
- Plasticizers (Epoxy)
- Plasticizers (Tallate)
- Glycerine
- Hexylene Glycol
- Triethanolamine
- Isophorone
- Plasticizers (Phosphate)
- Propylene Glycol
- Methyl Salicylate

3.0 RELEASE HISTORY AND PREVIOUS RESPONSE ACTIONS

3.1 DISCOVERY OF RELEASE

Information available from the MassDEP's Sites/Reportable Releases Lookup database (http://www.mass.gov/dep/bwsc/sites/report.htm) was used to identify releases in the area. Review of this database indicates that two RTNs exist for the Site, 4-3024519 and 4-19944. RTN 4-19944 was linked to RTN 4-3024519 upon submission of the Phase I Initial Site Investigation Report (ISI) in June 2009. No releases, other than the release conditions assigned to the RTNs noted above, have been documented for the Site area. The release history summaries for RTN 4-3024519 and 4-19944 are presented below.

3.1.1 RTN 4-3024519

The MassDEP was notified of a reportable release at the Site by a current tenant of the Site, Falvey Steel Castings, Inc., in December 2004, when lead, beryllium, bis(2-Ethylhexyl)phthalate (herein referred to as BEHP) and C_{11}-C_{22} aromatic hydrocarbons were detected in soil samples collected by Nangle Consulting Associates, Inc. during a limited due diligence investigation in August 2004 prior to a then-pending transfer of property ownership. Based on the reportable concentrations, Three Philipps Road, LLC (prospective purchaser at the time) withdrew from the Purchase and Sale agreement and provided the results from the due diligence assessment to both the owner (Holbrook Chemical) and then-operator (Falvey Steel Castings, Inc.). The Site is currently classified as a Tier II site by the DEP.

The reportable concentrations (RCs) detected in August 2004 are summarized below (results reported in milligrams per kilogram [mg/kg]): Given the location of the Site within a current drinking water resource area (i.e., IWPA), the appropriate category for soil that required MassDEP notification is RCS-1:

- Bis (2-Ethylhexyl)phthalate (13,000 and 140,000 mg/kg) was detected in soil contained within a manhole structure behind the former mixing building and near an exterior piping/valve station behind the former mixing building, respectively. The RCS-1 is 200 mg/kg.
- Beryllium (1.2 mg/kg) was detected in a soil sample obtained at the Site. It is assumed that the sample was obtained near the exterior piping/valve station behind the former mixing building as the location is not stated in any documentation available to Woodard & Curran. At the time of notification, the RCS-1 was 0.7 mg/kg. The current RCS-1 standard is 100 mg/kg.
- Lead (450 mg/kg) was detected in soil in the manhole structure behind the former mixing building. The RCS-1 is 300 mg/kg.
- C_{11}-C_{22} Aromatic Hydrocarbons (5,830 mg/kg) were detected in soil within the manhole structure behind the former mixing building. At the time of notification, the RCS-1 was 200 mg/kg. The current RCS-1 standard is 1,000 mg/kg.

These RCs were reported to DEP on December 24, 2004, by Falvey Steel Castings, a tenant on the property at the time and are the result of historical operations previously noted. At the time of notification, RTN 3-024519 was assigned. However, MassDEP implemented regional boundary changes in May 2006 and re-assigned the current RTN referenced in this report.

3.1.2 RTN 4-19944

The MassDEP was notified of a reportable release at the Site by the Town of Holbrook on July 3, 2007, when methylene chloride, trichloroethene, hexachlorobenzene, BEHP, endrin aldehyde, C11-C-22 aromatic hydrocarbons, 1,4-dichlororbenzene, 1,2,4-trichlorobenzene, 4,4'-DDT, 4,4'-DDE, and arsenic were detected in soil samples collected during a limited supplemental due diligence investigation in March 2006. Pentachlorophenol was detected at an estimated concentration of 4.8 micrograms per liter (µg/L) in the groundwater sample obtained from monitoring well MW-1. The pentachlorophenol concentration is reported by the laboratory as "estimated" due to the concentration being slightly below the laboratory's method detection limit for the compound. Pentachlorophenol was not detected in soil samples collected at the Site and in other Site groundwater monitoring wells. Therefore, the presence of pentachlorophenol in groundwater is unlikely, however, will be conservatively retained as part of Site evaluation. This RTN was linked to RTN 4-3024519 in July 2009.

The RCs detected in March 2006 are summarized below and in Table 1:

- Methylene chloride (0.310 mg/kg) was detected in a soil sample obtained from boring MW-1 north of the largest Site building in the central portion of the Site. The RCS-1 is 0.1 mg/kg.
- Trichloroethene (1.7 mg/kg) was detected in a soil sample obtained from boring S-13 north of the former mixing building in the central portion of the Site. The RCS-1 is 0.3 mg/kg.
- Hexachlorobenzene (1.4 mg/kg) was detected in a soil sample obtained from boring S-7 completed along the southern exterior of the site garage building. The RCS-1 is 0.7 mg/kg.
- Bis (2-Ethylhexyl)phthalate (4,600 mg/kg) was detected in a soil sample obtained from boring S-10 completed within the aboveground storage tank farm containment area. The RCS-1 is 100 mg/kg.
- Endrin Aldehyde (52 mg/Kg) was detected in a soil sample obtained from boring S-9 completed in the roadway between the site garage building and aboveground storage tank farm within the aboveground storage tank containment area. The RCS-1 is 10 mg/kg.
- C11-C22 aromatic hydrocarbons were detected in a soil sample obtained from boring S-7 and S-10 (259 mg/kg and 1,310 mg/kg, respectively). The RCS-1 is 200 mg/kg.
- 1,4-dichlororbenzene was detected in a soil sample obtained from boring S-7 (1.3 mg/kg). The RCS-1 is 0.7 mg/kg.
- 1,2,4-trichlororbenzene was detected in a soil sample obtained from boring S-7 (6.8 mg/kg). The RCS-1 is 2 mg/kg.
- 4,4'-DDT was detected in a soil sample obtained from boring S-7 (47 mg/kg). The RCS-1 is 3 mg/kg.
- 4,4'-DDE was detected in a soil sample obtained from boring MW-1 (12 mg/kg). The RCS-1 is 3 mg/kg.
- Arsenic (52 mg/kg) was detected in a soil sample obtained from boring S-11 completed within the aboveground storage tank containment area, which is above the RCS-1 concentration of 30 mg/kg.

3.2 WOODARD & CURRAN SUPPLEMENTAL SUBSURFACE EVALUATION– JUNE 8-11, 2009

Woodard & Curran subcontracted with Paul Aldinger and Associates (PAA) of East Providence, Rhode Island to complete 10 soil borings for the purposes of a geotechnical (potential development) and environmental investigation. New Hampshire Boring, Inc. of Brockton, Massachusetts, as a subcontractor to PAA, advanced 10 soil borings (B-1, B-2, B-3, B-4, B-5, SAB-1, SAB-2, SAB-3B, SAB-4, and SAB-5) at the Site between June 8, 2009 and June 11, 2009. Soil borings were advanced using a truck-mounted auger rig and track-mounted auger rig to depths ranging from 6 to 14.5 feet below ground surface (bgs). The locations of the borings are depicted on Figure 2 and were completed in order to further assess conditions in areas that either had not been previously assessed or needed further assessment.

Continuous soil samples were collected and screened with a PID at 2-foot intervals to a depth of 6 feet bgs at all boring locations. Continuous sampling continued to a depth of 10 feet bgs at borings B-2, B-4, and B-5. Sampling to a depth of 10 feet bgs was attempted at B-3; however, refusal was encountered and the boring was terminated at 8 feet bgs. Composite soil samples were collected from shallow (0-6 feet) and deep (6-8, and 6-10 feet) soil samples at boring locations B-2, B-4 and B-5 and transferred into laboratory supplied containers, and packed on ice. Composite soil samples were collected from only the shallow (0-6 feet) soil samples at boring locations B-1, SAB-1 (0-4 feet), SAB-2 and SAB-3B. Soil samples collected from borings B-3, SAB-4, and SAB-5 were collected and field screened with a PID only. The maximum PID reading of 7.5 ppmv reported during the soil sampling was reported for a soil sample obtained at a depth of 8-10 feet at boring B-5.

The encountered soils consisted of sand, gravel and cobbles, with refusal encountered at each boring location with the exception of borings SAB-4 and SAB-5. Depth to refusal ranged from 2 to 14 feet below existing ground surface.

A total of 10 soil samples were submitted to Alpha Analytical Laboratories of Westborough, Massachusetts (Alpha) for analysis on a standard turnaround time basis for one or more of the following compounds:

- Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260;
- Base/Neutral Extractable Semi-Volatile Organic Compounds (SVOCs) by USEPA Method 8270C;
- Extractable Petroleum Hydrocarbons (EPH) including target Polynuclear Aromatic Hydrocarbons (PAHs) by DEP Method EPH-04-1;
- Organochlorine Pesticides by USEPA Method 8081;
- Total Resource Conservation and Recovery Act (RCRA) 8 metals including Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Silver, and Selenium by USEPA Methods 6010B/7000/7471A; and

No compounds were detected at a concentration that exceeded the applicable MCP Method I S-1/GW-1 Soil Standard. Matrix interference resulted in several of the reported detection levels (RDL), specifically for 2-methylnaphthalene, acenaphthylene and dibenzo(a,h)anthracene, to exceed the S-1/GW-1 and S-2/GW-1 Soil Standards. Due to poor sample recovery, the composite soil sample from boring B-5 (6-10') was analyzed for high range volatile organic compounds only and although no compounds were detected, the laboratory reportable detection limits exceeded the applicable Method 1 Soil Standards. Soil results are summarized in Table 1.

4.0 PHASE II COMPREHENSIVE SITE ASSESSMENT ACTIVITIES

This section describes additional groundwater investigation conducted by Woodard & Curran in December 2012 in support of the Phase II CSA. Soil and groundwater investigations conducted at the Site by Woodard & Curran and previous consultants prior to Phase II activities were previously detailed in Section 3.0 above and in the Phase I Initial Site Investigation Report (Woodard & Curran, 2009). Historical analytical results collected prior to Phase II activities are summarized in this Section and have been incorporated into the evaluations and findings of this Phase II report. Phase II activities included the collection of groundwater samples from seven existing groundwater monitoring wells at the Site. The purpose of Phase II CSA activities was to obtain sufficient data to delineate the nature and extent of OHM-impacted media at the Site.

4.1 FIELD INVESTIGATION METHODS AND PROCEDURES

4.1.1 Monitoring Well Installation and Groundwater Sampling

Woodard & Curran collected groundwater samples from seven monitoring wells as located in Figure 2.

Prior to purging, the ground water level and total depth of each monitoring well were measured to the nearest 0.01-foot using an electronic oil/water level sensing device. The recorded depth to groundwater measurements were used to calculate the volume of standing water in the well. Groundwater is present at depths ranging from 5 to 10 feet bgs across the Property. Also prior to purging, all wells were examined for the presence of non-aqueous phase liquid (NAPL). NAPL was not observed in any of the sampled monitoring wells. All monitoring wells were then purged via peristaltic pump using dedicated tubing. Modified low flow/low stress sampling techniques were used to limit the evacuation rate and drawdown of each well. Geochemical parameters, consisting of temperature, pH, specific conductivity, dissolved oxygen and oxidation-reduction potential (ORP) were continuously monitored using a flow-through cell. Groundwater samples were collected from each well using the peristaltic pump and dedicated tubing. Samples were collected in laboratory-supplied containers, cooled to 4°C, and submitted under chain-of-custody protocol to Alpha Analytical Laboratories of Westborough, Massachusetts for laboratory analysis.

Samples collected in December 2012 were submitted for volatile organic compound (VOC) analysis via EPA Method 8260, semi-volatile organic hydrocarbon (SVOC) analysis via EPA Method 8270D and 8270D-SIM, and dissolved RCRA-8 metals via 6010C or 7074A. A trip blank was also submitted for VOC analysis. Based upon the results of the 2006 sampling event, it was determined that further EPH and VPH analysis in groundwater was not necessary during the 2012 sampling event since the EPH and VPH results reported were either lower than MCP Reportable Concentrations or not detected above laboratory reportable limits. Therefore, EPH and VPH analyses were not carried to the 2012 sampling event. However, SVOC-SIM laboratory analysis was performed in order to incorporate polycyclic aromatic hydrocarbons (PAHs) typically reported as part of EPH analysis in order to continue evaluation of SVOC impacts across the Site. The laboratory analytical reports for groundwater sampling are provided in Appendix C. Table 2 summarizes the historical analytical groundwater results collected in March 2006 and December 2012 by Woodard & Curran.

4.2 INVESTIGATION RESULTS AND OHM CHARACTERIZATION

4.2.1 Groundwater Sampling Results

Groundwater results obtained in May 2006 indicated that only low concentrations of VOCs, volatile petroleum hydrocarbons (VPH), SVOCs, extractable petroleum hydrocarbons (EPH) via MassDEP Methods, and dissolved RCRA 8 metals were detected in the several of the groundwater samples analyzed. The semi-volatile organic compound and wood preservative/pesticide pentachlorophenol was detected at an estimated concentration of 0.0048 milligrams per liter (mg/L) in the groundwater sample obtained from monitoring well MW-1. The pentachlorophenol concentration is reported by the laboratory as "estimated" due to the concentration being slightly below the laboratory's method detection limit for this compound. Pentachlorophenol was not detected in soil samples collected at the Site and in other Site groundwater monitoring wells during the 2006 sampling event. Therefore, the presence of pentachlorophenol in groundwater was unlikely in 2006.

December 2012 groundwater sampling results indicated low concentrations of only a limited number of constituents were present in the groundwater. Only a low detection of flourene (0.21 mg/L) was detected at MW-5, a low detection of trichloroethene (0.003 mg/L) was detected at MW-6, and low detections of barium were detected in all wells sampled. All detected concentrations remain below MCP GW-1 standards. Groundwater sampling results are summarized in Table 2.

5.0 MCP REPRESENTATIVENESS EVALUATION AND DATA USABILITY ASSESSMENT

A data quality review was performed to confirm that the appropriate Response Action Performance Standards (RAPs) have been achieved with respect to data quality and use in accordance with the MCP. The data quality review included both a limited data usability assessment and a representativeness evaluation as summarized below. The data quality review was performed in consideration of the MassDEP's Compendium of Analytical Methods (CAM) and MCP Representativeness Evaluations and Data Usability Assessments Policy #WSC-07-350. Samples collected prior to the revised CAM (WSC #10-320) effective date of July 1, 2010 were evaluated as prescribed in the CAM.

As part of this process, quality assurance indicators were utilized to evaluate sample collection and measurement error. These indicators have been examined in the context of the intended use of the data, and an overall assessment of the data for rendering a waste site cleanup opinion. The LSP opinion of data quality and usability was rendered relative to an evaluation of current understanding of the nature and extent of the release at the Site, and the potential migration of contaminants within the subsurface attributable to the Property.

5.1 DATA USABILITY ASSESSMENT

For the purposes of this Phase II CSA, a data usability assessment was conducted for soil and groundwater data collected by Woodard & Curran as part of the Phase II CSA activities, as well as for the field activities conducted in the past. The purpose of the data usability assessment is to evaluate the quality of the data and to determine its usability in a representativeness evaluation. A data usability assessment includes a field component and an analytical component. The field component evaluates the sampling method, sample preservation, sample handling and holding times, to establish compliance with the applicable methods and protocols and thereby confirm that the samples analyzed at the laboratory are representative of the sampling point. The analytical data usability assessment is used to evaluate whether the analytical data points are scientifically valid and defensible, and are representative of site conditions.

5.1.1 Field Quality Control Assessment

A review of the applicable field quality control elements was performed for the samples collected in support of the Phase II CSA and previous sampling events. Soil and groundwater sample containers were packed on ice in coolers immediately after collection and labeling, and were accompanied by complete chain-of-custody forms from the time of sample collection until laboratory delivery. All soil and groundwater samples were received at the analytical laboratory on ice and were analyzed within the allowable holding times. Therefore, there is no indication that handling may have negatively impacted soil and groundwater sample quality.

Several soil samples collected in March 2006 and submitted for VPH analyses exceeded the desired ratio of 1 milliliter (mL) methanol to 1 gram (g) of soil, +/- 25%. Therefore, a sufficient volume of methanol may not have been present to extract all the volatiles present in the samples, resulting in a potential low bias in the detected results; the non-detect results would be unaffected. However, the laboratory reported that the soil was covered by methanol upon delivery to the laboratory. Therefore, this condition is not expected to sufficiently bias any data such that the data would not be usable.

Based on the foregoing, Woodard & Curran concludes that the samples analyzed are generally representative of the sample point location and can be used to evaluate the nature and extent at the property.

5.1.2 Analytical Data Assessment

A limited analytical data assessment was performed for all data used in the Phase II CSA. The first step in the analytical data assessment was to review each data set to determine whether the data achieved Presumptive Certainty as defined in WSC-CAM-VII A. Data that have Presumptive Certainty are also referred to as "CAM Compliant" data. CAM Compliant means an analytical result: (1) determined using an MCP Analytical Method detailed in the CAM; (2) that complies with the method-specific QC analytical requirements specified in the CAM; (3) with an evaluation of the compliance with method-specific performance standards with deficiencies narrated, as necessary; and (4) reported in the format specified in the CAM for MCP analytical data.

The report format for item (4) above requires the analytical laboratory to provide an Analytical Report Certification for each set of samples submitted for analysis. The Certification requires the laboratory to answer the following questions for data collected prior to the implementation of WSC #10-320 on July 1, 2010:

A. Were all the samples received by the laboratory in a condition consistent with those described on their Chain-of-Custody documentation for the data set?

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?

C. Does the analytical data included in this report meet all the requirements for "Presumptive Certainty," as described in Section 2.0 of the MassDEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?

D. Was the VPH or EPH method run without significant modifications, as specified in Section 11.3?

E. Were all QC performance standards and recommendations for the specified analytical method(s) achieved?

F. Were results for all analyte list compounds/elements for the specified method(s) reported?

For data obtained after July 2010, the following questions are required to be answered:

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?

B. Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?

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?

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?"

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).

b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?

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)?

G. Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?

H. Were all QC performance standards specified in the CAM protocol(s) achieved?

I. Were results reported for the complete analyte list specified in the selected CAM protocol(s)?

All laboratory reports for soil and groundwater collected by Woodard & Curran were reviewed for Presumptive Certainty requirements. One lab report containing data collected in August 2004 by Nangle Consulting Associates, Inc. was not available in full deliverable format; therefore, because of the lack of availability of the full deliverable format and that supplemental sampling was conducted at the Property between 2006 and 2012, the soil samples collected by Nangle Consulting Associates, Inc. will not be used in support of this Phase II CSA and Risk Characterization.

Pentachlorophenol was detected at an estimated concentration of 4.8 micrograms per liter (µg/L) in the groundwater sample obtained from monitoring well MW-1 in March 2006. The pentachlorophenol concentration was reported by the laboratory as “estimated” due to the concentration being slightly below the laboratory’s method detection limit for the compound. The presence of pentachlorophenol in groundwater is unlikely since pentachlorophenol was not detected in soil samples. However, due to uncertainty the data will be retained and considered usable.

Matrix interference resulted in several of the RDLs, specifically for 2-methylnaphthalene, acenaphthylene and dibenzo(a,h)anthracene, to exceed the S-1/GW-1 and S-2/GW-1 Soil Standards during soil sample analysis in June 2009. However, these compounds were not detected in other soil samples collected across the Site. Therefore, the RDL exceedance is unlikely to affect data usability.

Based on the foregoing, Woodard & Curran concluded that the data collected for the Phase II CSA are of sufficient quality and reliability and are therefore usable.

5.1.3 Representativeness Evaluation

A representativeness evaluation was performed to evaluate and demonstrate the adequacy of the spatial and temporal data sets used to support the decisions in the Phase II CSA, including the Risk Characterization. The representativeness evaluation is supported by text in several sections of this Phase II CSA, which discuss sampling objectives, the nature and extent of soil and groundwater impacts, Disposal Site Boundary, and the Conceptual Site Model.

The primary use of field screening data was to assess VOC, SVOCs, and petroleum impacts in soil samples by the measurement of soil headspace concentrations of organic vapors. The headspace data was used to assist in selection of samples for laboratory analysis and as a secondary indicator of the absence or presence of OHM impacts at a particular sample location. The use of soil headspace screening for this purpose is appropriate. As contaminants are likely to be co-mingled across the site (i.e. metals, pesticides,

PCBs, dioxins), visual evaluation of soil along with the use of a PID as part of the evaluation of potential impacts to soil and groundwater is appropriate.

With respect to the spatial distribution of sample locations, samples were collected from all locations where data gaps relating to delineation of OHM extent were identified during a review of historical site data and initial site assessments. The number and location of samples are sufficient to define the nature and extent of OHM impact in both soil and groundwater as discussed in this Phase II CSA. The spatial variability exhibited in the combined data set is consistent with the locations of site features, known source areas, and the geologic configuration of the Property.

With respect to the temporal distribution of samples, it likely that soil and groundwater conditions are well equilibrated since activities leading to the presence of OHM at the Site ceased in 1998 when the property was abandoned. As a result, variations in groundwater concentrations are likely due to seasonal variations as well as sampling and analytical variations.

In summary, the overall representativeness of the data was evaluated qualitatively based on Site use information, information on the surrounding properties, information about the historical use and storage of OHM at the Property, and observations made during field investigation activities. Based on these sources of information, the data collected are concluded to be adequately representative of soil, groundwater and soil gas conditions at the Property. During the investigation activities, CAM-compliance was achieved and/or evaluated, and data completeness goals were met. Based on a review of established standard methods and procedures for collection and analysis of data, the data collected by Woodard & Curran and others used in support of the Phase II CSA and Risk Characterization are considered to be of comparable quality over the entire sampling period.

6.0 SITE GEOLOGY AND HYDROGEOLOGY

This section presents an assessment of the topography, overburden soil and bedrock geology, and hydrogeologic conditions at the Site.

6.1 TOPOGRAPHY AND SURFACE WATER

The land area comprising the Property and Disposal Site area as currently defined (refer to Figure 2) is almost entirely unpaved (with the exception of driveways and Site building footprints). The western portion of the Site is generally flat with some low lying wetland areas. The central and eastern portions of the Site slope to the east-southeast towards the Cochato River.

Since the majority of the Site is unpaved, precipitation events likely result in infiltration and may result in runoff to topographic lows such as the nearby wetlands.

6.2 OVERBURDEN AND BEDROCK GEOLOGY

Two main soil units were identified at the Site during subsurface investigations. These units consist primarily of fill atop native materials. The fill layer is encountered at the central and eastern portions of the Site where improvements have occurred and consists of poorly graded sand, gravel, and cobble. The maximum fill thickness is 8 feet. The native materials are generally described as silty sands with varying amounts of fine gravel. The boring logs advanced at the Site are included in Appendix D.

6.3 HYDROGEOLOGIC CONDITIONS

The depth to groundwater at the Site occurs within 15 feet of the ground surface and appears to be deepest at the eastern portion of the disposal site (with respect to the local topography), with relative depths to groundwater generally decreasing with increasing distance in a westerly direction across the disposal site. Groundwater flow at the property has not been determined, but is likely to have localized flow components towards the nearest wetland features, with an overall westerly flow corresponding with the flow direction of the Cochato River, which is located approximately 200 feet to the east of the eastern Site boundary. Based upon monitoring well survey data and groundwater gauging data collected during December 2012 groundwater sampling event, groundwater generally flows in an east-southeast direction across the Site. Groundwater contours derived from this data is presented in Figure 3.

7.0 NATURE AND EXTENT OF OHM AND CONCEPTUAL SITE MODEL

Several soil and groundwater investigations were conducted at the Site due to the historical use and storage of various OHM at the Site by Holbrook Chemical Corporation since the 1960's. The results of investigation revealed the presence of reportable concentrations of metals, pesticides, VOCs, SVOCs, and EPH. The results of subsurface investigations conducted at the Site were previously described in Sections 3 and 4 herein. Additional information regarding the nature and extent of OHM in soil and groundwater, as well as a description of the conceptual site model, is presented below.

7.1 SOIL

Evaluation of several classes of compounds noted in previous sections indicates that only select compounds were detected in significant concentrations in surficial soils. Low soil jar headspace field screenings conducted with a PID during subsurface investigations indicate that the Site lacks significantly elevated volatile organic constituents. Furthermore, subsurface investigations conducted to date indicate that both the horizontal and vertical limits of the disposal site coincide with the area formerly utilized for chemical storage and processing.

The constituents detected across the Site in soil include heavy metals, pesticides (4,4-DDE and 4,4-DDT), EPH fractions, SVOCs (chlorobenzene compounds, BEHP, and phenol), and VOCs (trichloroethene). Of these constituents only C_{11}-C_{22} aromatics (1,310 mg/kg), 1,4-dichlorobenzene (1.3 mg/kg), hexachlorobenzene (1.4 mg/kg), 1,2,4-trichlorobenzene (6.8 mg/kg), BEHP (4,600 mg/kg-estimated), and arsenic (24 mg/kg and 52 mg/kg) were detected at the highest concentrations and/or frequency. COPCs concentrations are limited across the Site and were reported for soil samples S-7 (0-4 feet), S-10 (0-4 feet), and S-11 (0-4 feet), which are all centrally located on the Property in vicinity of the area formerly utilized for chemical storage and processing, which is consistent with other constituents detected across the property. Of these COPCs, arsenic and BEHP were detected with the highest frequency across the Site, with concentrations ranging from 0.79 mg/kg to 52 mg/kg and 0.270 mg/kg to 4,600 mg/kg, respectively. Of all COPCs, BEHP is the primary contaminant that is present at elevated concentrations, specifically in the location of soil boring S-10.

As no known direct point sources of release have been documented for the Site, the presence of elevated concentrations of the COPCs in the non-native structural fill layer, suggests the release(s) are likely attributable to historical surficial spills that impacted the upper four feet of soil.

Soil analytical results are summarized on Table 1 (detects only). Based on the information collected during Site investigation activities conducted between March 2006 and December 2012, the Disposal Site Boundary has been defined to include the majority of the area that was formerly utilized for chemical storage and processing as depicted on Figure 2 and further described in Section 7.3.

7.2 GROUNDWATER

Depth to groundwater beneath the Site ranges from 5 to 10 feet bgs across the Property and Site and data obtained during surveying of monitoring wells indicates that groundwater flows in a east-southeast direction. Groundwater samples collected in March 2003 and December 2012 indicate that significant impacts to groundwater from Site releases are not present. Low concentrations of VOCs, VPH fractions, SVOCs, EPH constituents and EPH fractions, and dissolved metals have been historically detected in groundwater. Bis(2-ethylhexyl)phthalate was the only COPC detected above most stringent applicable MCP Method I GW-1 at a concentration of 0.0048 milligrams per liter (mg/l) in March 2006 at MW-1, which is above applicable MCP Method I GW-1 standard. However, this concentration was reported below the laboratory detection limit, and therefore can only be considered an estimated value. Bis(2-

ethylhexyl)phthalate was not detected at MW-1 during the most recent sampling event conducted in December 2012. All other COPC concentrations detected in groundwater were below the most stringent applicable MCP Method I GW-1standards, as further discussed in Section 9.0.

7.3 CONCEPTUAL SITE MODEL AND DISPOSAL SITE BOUNDARY

During subsurface investigations conducted at the Site in from 2006 to 2012, concentrations of C11-C22 aromatics, 1,4-dichlorobenzene, hexachlorobenzene, 1,2,4-trichlorobenzene, BEHP, and arsenic were identified in surficial soil (upper four feet) at the highest concentrations and/or detection frequency compared to other constituents. Additional COPCs likely attributed to historical use of the Property were also detected at low concentrations and/or low frequency include various VOCs, SVOCs, other EPH fractions, pesticides, and metals in soil. Based on the assessment activities completed at the Site to date, the concentrations of OHM appeared to be associated with the historical use of the Property as a chemical storage, processing, and sales facility. Significant impacts coincide to the area where much of the chemical storage was located suggesting that the release is likely attributable to historical surficial spills that impacted the upper four feet of soil. Continuous soil jar headspace field screening of borings advanced at the Site lacked evidence of significantly elevated volatile organic constituents. As such, the COPC concentrations in surface soils are subject to migration via physical processes such as erosion or infiltration to groundwater.

Groundwater occurs within 15 feet of the ground surface and appears to be deepest at the eastern portion of the disposal site (with respect to local topography), with depths generally decreasing with increasing distance to the west across the disposal Site. Groundwater sampling conducted across the Property does not indicate that groundwater has been significantly impacted by this release. However, low concentrations of COPCs have been detected in groundwater and include VOCs, SVOCs, and dissolved metals. Pentachlorophenol was reported by the laboratory above Method I GW-1 standards at MW-1 during the March 2006. However, the concentration was estimated since this detection was only made above the method detection limit (MDL) and not the laboratory detection limit. Furthermore, pentachlorophenol was only detected once at this well only during groundwater sampling events; therefore, this reported concentration is only estimated. Additionally, other EPH and VPH constituents were detected in groundwater; however, these constituents were not detected in soil and detected at low concentrations and low frequency. Therefore, it is unlikely that the EPH and VPH constituents detected in groundwater are attributable to the historical operations at the Property.

The primary human receptors at the Site include daytime workers and visitors/trespassers that may be exposed to COPCs through dermal contact and incidental ingestion of exposed soils, via inhalation of dust particles. Additionally, subsurface utility lines (e.g., municipal water) are located within the disposal site boundaries; therefore, utility workers may potentially encounter OHM in soil during utility line maintenance and repair. Numerous wildlife species are likely present in undeveloped areas adjacent to the Site, including songbirds, waterfowl, reptiles, amphibians, rodents, raccoons, squirrels, and deer, although the Site itself provides low quality habitat due to its developed nature. The wetlands and associated waterways likely provide habitat for many aquatic, semi-aquatic and terrestrial receptors such as fish, turtles, snakes, frogs, and wading birds. Receptor exposure is further discussed as part of the Risk Characterization.

Information obtained during previous Site investigations and implementation of Phase II CSA activities was used to delineate the disposal site boundary (DSB; also referred to as the Site), which is defined as an approximately one-acre portion of the Property in the area of historical chemical storage. The DSB depicted on Figure 2. Based upon the historical analytical data, the vertical extent of the Site is limited to soils at a depth of less than 10 feet.

8.0 ENVIRONMENTAL FATE AND TRANSPORT CHARACTERISTICS

8.1 CHEMICAL/PHYSICAL CHARACTERISTICS

The categories of chemicals of potential concern (COPCs) at the Disposal Site are select VOCs, SVOCs, metals, and pesticides. Characteristics of the various categories of compounds may be summarized as follows:

Category of OHM	Relative Solubility in Water	Relative Volatility	Relative Persistence	Relative Bioaccumulation Potential
VOCs	Moderate to High	Moderate to High	Low to Moderate	Low
SVOCs	Moderate	Moderate	Moderate	Low
EPH fractions	Low to Moderate	Low	Low to Moderate	Low
Pesticides	Moderate	Slightly volatile	High	Low
Metals	Low	Generally Non-Volatile	High	Variable

The solubility of a compound establishes the upper limits of the concentrations at which a compound can dissolve in water. It should be noted that in complex mixtures such as groundwater, the effective solubility of individual compounds will differ significantly from the pure compound solubility.

The octanol/water partitioning coefficient (Kow) and the organic carbon/water partitioning coefficient (Koc) define the tendency of a compound to adsorb to organic matter in soil relative to the affinity for water. Higher Kow or Koc values indicate that a compound will adsorb more strongly to soil and therefore, will leach more slowly from soil into groundwater. The VOC and SVOC analytes at the Site generally have low to higher Kow and Koc values, respectively, and the petroleum ranges identified at the Site generally have moderate Kow and Koc values. The metals and pesticides at the Site generally have high Kow and Koc values.

Henry's Law constants are a relative measure of volatility. The Henry's Law constants for VOCs are moderate to high. Volatilities of SVOCs, EPH fractions, and pesticides at the site are very low to moderate.

VOCs and pesticides at the Property have relatively short to moderate half-lives, indicating that these COPCs may degrade relatively quickly if the appropriate conditions are present. The SVOCs and petroleum fractions at the Site are less susceptible to degradation and are therefore relatively persistent in the environment. Metals do not readily degrade and typically remain persistent.

Bioconcentration factors for the VOCs, petroleum fractions, and SVOCs are low; therefore, these compounds are not expected to bioaccumulate in organisms. Bioconcentration factors for the pesticides at the Disposal Site are low; therefore, these compounds are not expected to bioaccumulate in organisms. Some heavy metals have high bioconcentration factors and tend to bioaccumulate in plants and lower-

trophic level organisms (such as soil invertebrates); however, the heavy metals identified at the Disposal Site are not expected to biomagnify through the food chain.

8.2 POTENTIAL MIGRATION PATHWAYS

Potential migration pathways for OHM may include soil and groundwater (310 CMR 40.0483). No other media (such as ambient or indoor air) have been impacted by the Site release.

8.2.1 Soil

Impacted soils within the southern portion of the Site are situated primarily at depths between the ground surface and 4 feet bgs. However, residual impacts have been detected at depths up to 8 feet bgs. As the land area comprising the Site is almost entirely unpaved, dust and soil particles are subject to migration through wind and water action. Contaminants may leach from soil to groundwater through precipitation infiltration and erosion. However, constituent concentrations present in these areas of the Site are not anticipated to migrate to groundwater or nearby surface water as evidenced by the low concentrations of analyzed constituents found in groundwater at the Site.

8.2.2 Groundwater

Groundwater has been minimally impacted by the Site release, as indicated by the low number and concentrations of detected constituents in analyzed groundwater samples.

8.2.3 Air

Volatilization of COPCs in soil and groundwater to ambient or indoor air was ruled out as a complete migration pathway as significant volatile constituents are not present in soil or groundwater at the Site.

9.0 METHOD 2 RISK CHARACTERIZATION

9.1 INTRODUCTION

A Method 2 Risk Characterization (Method 2 RC) has been prepared for the Site in accordance with the MCP and MassDEP risk assessment guidance (MassDEP, 1995). The Method 2 RC includes a comparison of soil and groundwater concentrations to Method 1 cleanup standards promulgated in the MCP (310 CMR 40.0974 and 40.0975) and Method 2 standards derived by Woodard & Curran in accordance with 310 CMR 40.0980. Comparison of the concentrations of COPCs to the Method 1 / Method 2 standards evaluates the risk of harm to human health, environment, and public welfare. As part of a Method 2 risk characterization, a separate, qualitative evaluation of the risk of harm to safety has also been included.

A Method 1 risk characterization is applicable to the Site as oil and/or hazardous material (OHM) is limited to soil and groundwater, and migration of OHM to other media is not anticipated. Although some constituents with bioaccumulation potential (such as heavy metals) have been detected in surficial soil, the Site is developed for industrial/commercial use, partially paved and/or covered by buildings and as such, does not provide suitable wildlife habitat. A Method 2 approach was selected, because MCP Method 1 soil standards are not available for several constituents of potential concern (COPCs) present in Site soil, as discussed further in in Section 9.4 (Haz ID). Accordingly, Method 2 soil standards were derived for those constituents, in accordance with the procedures provided in 310 CMR 40.0980.

9.2 SITE DESCRIPTION

A description of the Site and its release history are provided in Sections 2 and 3. This section only provides a brief summary of the activities conducted at the Site with regard to the potential for human and ecological exposures to impacted media at the Site.

The Site consists of an 11-acre parcel of land ("the Property") that is partially paved, with several buildings onsite. Historical information indicates that the property was initially owned and operated by Portland Chemical Works until it was purchased by the Holbrook Chemical Corporation, which manufactured chemicals onsite until approximately 1998. Holbrook Chemical abandoned the Property in the late 1990s and the Town of Holbrook acquired the land in 2005. Currently all of the structures are abandoned except for one structure located in the northeastern portion of the Site (refer to Figure 2).

Between December 2004 and June 2009, subsurface investigation activities were conducted across the Property. A detailed discussion of the release history can be found in Section 3. Chemicals detected at reportable concentrations include volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polycyclic aromatic hydrocarbons (PAHs), pesticides, and metals.

Review of the Massachusetts Geographic Information System (MassGIS) 21E Priority Resource Map (Figure 4) indicates that the Site is located within 500 feet of a potentially productive aquifer and inside an Interim Wellhead Protection Area (IWPA), triggering a GW-1 groundwater classification. There are no Areas of Critical Environmental Concern (ACECs), habitats of Species of Special Concern, or habitats of Threatened or Endangered Species.

9.3 SOIL AND GROUNDWATER CLASSIFICATION

Soil and groundwater were classified using MCP criteria (310 CMR 40.0930). The criteria are based on current and potential future uses of the Site.

9.3.1 Groundwater Classification

Under the MCP, groundwater may be classified as GW-1, GW-2 and/or GW-3. GW-1 criteria are protective of drinking water sources. As previously mentioned, the Site is located within a potentially productive aquifer and within an IWPA, triggering GW-1 classification for groundwater at the Site.

GW-2 criteria are protective of potential volatilization to indoor air and apply when groundwater is located within 30 feet of an occupied building and the average depth to groundwater is 15 feet or less. Depth to groundwater at the Site occurs within 15 feet of ground surface, and there is one occupied building present onsite. Although other buildings are vacant, it is assumed that these will likely be occupied once the property is redeveloped. Therefore, under current and reasonably foreseeable conditions, groundwater at the Site is classified as GW-2.

All groundwater at this Site meets GW-3 classification criteria, which are protective of discharge to surface water. The nearest surface water body to the Site is the Cochato River, located along the eastern border of the Property. Thus, under current and reasonably foreseeable conditions, groundwater at the Site is classified as GW-3.

9.3.2 Soil Classification

Under the MCP, soil is classified as S-1, S-2 or S-3. Soil categories are based on frequency of exposure, intensity of exposure, and potential receptors (i.e. adults or children) anticipated to be present. Currently the Site is unoccupied except for one building located in the northeastern portion of the Site, which is used as an office building. Under prescribed use, frequency of contact is low, intensity of soil contact is low, and children are not present to an appreciable degree. However, because existing pavement is in poor condition and there are some unpaved areas at the Site, surficial soils may be accessible by trespassers, which may include children. Therefore, soils between 0-3 ft bgs are classified as S-1 under current conditions. Soils currently located at depths greater than three ft bgs or below existing building foundations are currently inaccessible and are classified as S-3.

Since land use is only currently controlled by local zoning which can be changed, in accordance with the MCP, the Site use must be considered unrestricted for the purposes of the Risk Characterization. Residential or other use of the land where children are routinely present is assumed to occur under future conditions. Therefore, Site soils between 0-15 ft bgs are classified as S-1 under future conditions. All soils located beneath 15 ft bgs are considered isolated and are classified as S-3 under both current and future conditions.

In summary, groundwater at the Site is classified as GW-1, GW-2, and GW-3 under current and future conditions. Soils at the Site are classified as S-1 and S-3 under current and future use conditions. A summary of exposure conditions and applicable soil and groundwater categories is presented in Table 5.

9.4 HAZARD IDENTIFICATION

The objective of the Hazard Identification is to present the available sampling data and select the COPCs for each medium of concern.

9.4.1 Groundwater

Groundwater data collected from seven (7) monitoring wells in December 2012 are available to characterize current groundwater conditions at the Site. Although historic groundwater data collected in 2006 exist, recent results from the 2012 sampling event show fewer detected compounds (see Table 2), and suggest that the 2006 data are not representative of current Site conditions. Therefore, those data were excluded from the dataset for this Method 2 RC. Groundwater samples were analyzed for VOCs, SVOCs, EPH fractions, and metals. A summary of groundwater analytical results used in the Method 2 RC is provided in Table 6. (To streamline discussion, Method 1 groundwater standards are also presented in this table; these are discussed further in Section 9.6.1.1.)

Three constituents (trichloroethylene, fluorene, and barium) were detected in groundwater samples. Trichloroethylene and fluorene were each detected in only one well, while barium was detected in all wells at concentrations ranging from 0.057 ug/L to 0.085 ug/L. All constituents detected in groundwater were retained as COPCs for the risk characterization.

9.4.2 Soil

A total of 25 soil samples collected between March 2006 and July 2009 are available to characterize soil conditions at the Site. All of the available soil data are considered usable and representative of current Site conditions. Soils samples were collected from between 0-15' bgs and analyzed for VOCs, SVOCs, EPH, pesticides, and metals. A summary of soil analytical results is provided in Table 7 and a statistical summary of these data are presented in Table 8.

Soil analytical results indicate that a number of VOCs, SVOCs, and metals were detected in at least one sample. BEHP, di-n-butyl phthalate, phenol, C11-C22 aromatic hydrocarbons, arsenic, barium, cadmium, chromium, and lead were detected with the greatest frequency. SVOCs were detected with greater frequency in surficial soils compared to deeper soils, but the range of detected concentrations was similar across depths for all constituents. One exception is sample S-10, collected from 0-4' bgs, which exhibited high levels of BEHP and C11-C22 aromatic hydrocarbons, and thus was identified as a soil Hot Spot. See Section 9.5.2 for further discussion.

Constituents that were detected in at least 5% of analyzed samples were retained as COPCs for the risk characterization. Note that, because the Hot Spot is evaluated separately from the rest of the Site, any constituent detected in the Hot Spot sample was retained as a COPC. Constituents that were excluded as COPCs include several VOCs, SVOCs, 4,4-DDE, mercury, and silver. Table 8 presents a summary of soil COPCs.

9.5 EXPOSURE ASSESSMENT

The objective of the Exposure Assessment is to estimate the type of potential exposure to Site-related COPCs present at or migrating from the Site. Exposure is described based on the populations potentially

exposed to contaminated media via specific exposure pathways, as determined by current and future potential land use.

9.5.1 Site Uses and Identification of Human and Ecological Receptors

The Site consists of an industrial property that is mostly abandoned, although there is one occupied office building. Under current conditions, potential receptors at the Site include facility workers at the office building and trespassers who may walk across the property. In accordance with the MCP, land use at the Site is not restricted and it is possible that the Property may be redeveloped in the future. Therefore, under future conditions, potential receptors at the Site include facility workers, trespassers, utility workers who may repair, maintain, or install utility lines at the Site, construction workers who may engage in excavation activities associated with Site redevelopment, and residents, should the land be redeveloped for residential use.

The Cochato River runs along the eastern border of the Site, and undeveloped wetlands and wooded forest abuts the Site to the south and west. Ecological receptors such as songbirds and small mammals may occasionally visit the Site, although it is expected that these receptors would primarily be present in nearby undeveloped areas.

9.5.2 Exposure Points and Exposure Point Concentrations

An exposure point is a point in an exposure medium (e.g., soil, groundwater) where a receptor may come into contact with COPCs. Exposure point concentrations (EPCs) are the concentrations of a COPC to which a receptor comes into contact.

For groundwater, each monitoring well is considered a distinct exposure point under a Method 1 risk characterization (310 CMR 40.0924(2)(a)(1)). Therefore, the groundwater exposure point concentration (EPC) is the maximum detected concentration among Site monitoring wells.

For soil, as previously mentioned, one sample (S-10) located within the former silo containment area, was identified as a Hot Spot (as defined in 310 CMR 40.0006) due to elevated concentrations of BEHP (4600 mg/kg) and C11-C22 aromatic hydrocarbons (1310 mg/kg). Specifically, these constituents were detected in S-10 at levels greater than 100 times the concentrations observed in nearby samples. The Hot Spot is evaluated in the risk characterization as a separate and distinct exposure point. The EPC for each constituent in the Hot Spot is the detected concentration of that COPC.

The remainder of the Site is considered a separate exposure point, identified as the "Site-Wide" exposure point. The soil EPC for constituents in the "Site-Wide" exposure point is the arithmetic mean concentration of each detected COPC within the soil data set. If a COPC is not detected at a specific location, one-half of the laboratory reporting limit (LRL) was included in calculation of the arithmetic mean, unless the LRL exceeded two times the maximum detected concentration of that COPC among all relevant samples.

The MCP allows use of an arithmetic mean as an EPC, rather than the maximum or an upper bound value, under certain conditions:

- Longer-term exposures are assessed;

- Constituents assessed are not lethal or associated with severe health effects from short-term exposures;
- Data available to characterize the Site are sufficient;
- The data do not exhibit a high degree of variability; and,
- The arithmetic mean is unlikely to substantially underestimate the true mean.

Responses to these above conditions are presented below:

- Chronic or sub-chronic exposures are assessed for all receptor groups. No acute exposures are assessed.
- None of the COCs is anticipated to be associated with acute health effects at the environmental concentrations detected.
- The amount of data available for the Site is judged sufficient and the scope of analyses is appropriate for the type of release that occurred.
- While a certain amount of variability exists in the data, most of the data do not show an unacceptably high degree of variability. Low variability of the data is demonstrated if the data meet the following criteria, as detailed in 310 CMR 40.0926(3)(b)(2):

    - The arithmetic mean concentration meets the applicable standard or risk-based concentration (the lowest Method 1 S-1 standard is applied for this purpose);

    - At least 75% of individual data points used to calculate the arithmetic mean concentration meet the applicable standard or risk-based concentration;

    - No individual data point is greater than 10 times the applicable standard or risk-based concentration.

All COPCs meet the above-listed criteria in soil. As such, the arithmetic mean is unlikely to underestimate the anticipated exposure point concentration and was therefore applied as the soil EPC. Additional data statistics, such as the 75th percentile and maximum, are presented on Table 17 and are discussed relative to the Method 1 and 2 standards in Section 9.6.2.

9.6 RISK CHARACTERIZATION

The Risk Characterization compares the soil and groundwater EPCs at the Site to MCP Method 1 and 2 standards. Standards applicable to the Site include GW-1, GW-2, and GW-3 groundwater standards and S-1 and S-3 soil standards for each of the groundwater categories. The applicable soil standards therefore include S-1/GW-1, S-1/GW-2 and S-1/GW-3; and S-3/GW-1, S-3/GW-2 and S-3/GW-3. .Method 1 soil and groundwater standards were available for all COPCs except the following seven constituents:

- chloromethane
- benzoic acid
- 4-bromophenyl phenyl ether
- butyl benzyl phthalate

- di-n-octyl phthalate
- di-n-butyl phthalate
- 4-methylphenol

Method 2 S-1 and S-3 soil standards for each of the three groundwater categories were therefore developed for those constituents in accordance with 310 CMR 40.0980. Derivation of Method 2 standards for soil and groundwater is presented in Tables 9 through 16.

9.6.1 Derivation of Method 2 Standards

9.6.1.1 Groundwater Standards

Groundwater Method 2 standards were developed for each of the groundwater categories in order to support development of appropriate soil standards for the constituents listed above. Calculations of Method 2 GW-1, GW-2, and GW-3 standards for the above-listed COPCs are presented in Tables 9 through 11, respectively.

GW-1 Standard Derivation

Method 2 GW-1 standards were derived following the procedures listed in 310 CMR 40.0983(2). A target risk-based groundwater concentration was identified as the lowest among:

- 20% of an allowable intake based on non-cancer health effects;
- An excess lifetime cancer risk equal to one-in-one million (10-6).

Note that since no toxicity information could be found for di-n-octyl phthalate, values for di-n-butyl phthalate were applied as surrogates in the calculation of risk-based target concentrations. This target risk-based groundwater concentration was next compared to a ceiling concentration of 0.005% (50,000 ug/L), and the lower of the two values was selected. This value was then compared to the Practical Quantitation Limit (PQL) of the constituent for an appropriately sensitive analytical method, and the higher of the two values was selected as the Method 2 GW-1 standard, and rounded to one significant figure. Table 9 presents derivation of the GW-1 standard.

GW-2 Standard Derivation

Method 2 GW-2 standards were derived following the procedures listed in 310 CMR 40.0983(3). The Method 2 standards were derived using the MassDEP-modified Johnson & Ettinger vapor intrusion model (MassDEP 2006) and input parameters specified in the MCP at 310 CMR 40.0983(3)(c) to derive a source attenuation factor. The derivation of the attenuation factors is presented on Table 10a. Following the derivation of an attenuation factor, a target indoor air concentration was identified as the highest value among:

- The lowest non-zero value of :
  - 20% of an allowable intake based on non-cancer health effects;
  - An excess lifetime cancer risk equal to one-in-one million (10-6);
- A background concentration in indoor air, if available.

This target indoor air concentration was then converted to a corresponding groundwater concentration using the attenuation factor and chemical-specific parameters. This groundwater concentration was then compared to the MCP ceiling concentration of 50,000 ug/L, and the lower value among the two was selected as the Method 2 GW-2 standard (also taking into account the PQLs for the analytical method). The GW-2 standard was then rounded to one significant figure. Table 10b presents derivation of the GW-2 standard.

GW-3 Standard Derivation

Method 2 GW-3 standards were derived following procedures listed in 310 CMR 40.0983(4). The first step in deriving a GW-3 standard is to identify a target surface water concentration protective of aquatic receptors. Because USEPA National Recommended Water Quality Criteria (NRWQC) were unavailable for the seven COPCs, aquatic toxicity benchmarks available from the published literature were identified and applied as the target surface water concentrations for each constituent. Note that, as with GW-1 standards, values for di-n-butyl phthalate were applied as surrogates for di-n-octyl phthalate in the calculation of risk-based target concentrations. Refer to Table 11 for references.

Next, a default dilution factor of 10 was applied to the target surface water concentration to derive target groundwater concentrations for all groundwater COPCs. This value was then multiplied by an attenuation factor of either 2.5, 25 or 100, depending on the magnitude of the organic carbon partitioning coefficient (Koc). The target groundwater concentration was next compared to a ceiling value of 50,000 µg/L and the lower of the two was selected as the Method 2 GW-3 standard (also taking into account the PQLs for the analytical method). The GW-3 standard was then rounded to one significant figure. Table X presents derivation of the GW-3 standard.

9.6.1.2 Soil Standards

Derivation of Method 2 soil standards was conducted in accordance with 310 CMR 40.0984. Method 2 S-1 and S-3 soil standards for each of the groundwater categories were derived for the seven COPCs listed above. Method 2 soil standards take into consideration direct contact exposures as well as leaching potential, background concentrations, and technical feasibility (i.e., PQLs).

The first step in deriving the Method 2 soil standards includes calculation of a leaching-based soil concentration for each of the groundwater categories, using the Method 2 GW-1, GW-2, and GW-3 standards as target groundwater concentrations (as described in Section 9.6.1 above). This derivation is shown in Table 12.

Risk-based direct contact S-1 and S-3 soil concentrations were then calculated for the COPCs, in accordance with 310 CMR 40.0984(2) and (3). Separate risk-based concentrations were calculated for noncancer and cancer health effects, and the lower of the two values was selected as the direct contact soil standard for each constituent. Derivation of S-1 and S-3 direct contact soil standards are presented in Tables 13 and 14, respectively.

For each soil and groundwater category, the direct contact and leaching-based concentrations were compared to applicable ceiling levels, which are determined for each soil type based on a constituent's odor index (310 CMR 40.0984(9)). The lowest value among the direct contact, leaching based, and ceiling level was then compared to the MassDEP background level (MassDEP 2002) and PQL; the highest concentration among these three values was then selected as the Method 2 soil standard and

rounded to one significant figure. Derivation of Method 2 S-1/GW-1, S-1/GW-2, and S-1/GW-3 standards are presented on Table 15. Derivation of Method 2 S-3/GW-1, S-3/GW-2, and S-3/GW-3 standards are presented on Table 16.

9.6.2 Results

Groundwater concentrations at each wellhead were compared to Method 1 GW-1, GW-2, and GW-3 standards, as shown in Table 6. All detected concentrations of all groundwater COPCs were below the lowest applicable Method 1 groundwater standards.

For soil, the EPC for each constituent within each exposure point (i.e., 0-3 ft bgs, 3-15 ft bgs, 0-15 ft bgs and the Hot Spot) was compared to applicable Method 1 / Method 2 standards. As shown in Table 17, the "Site-Wide" EPCs (which represents the average concentration) of all soil COPCs are below applicable soil standards. Additionally, 75th percentile concentrations of "Site-Wide" soil samples were below applicable Method 1 / Method 2 soil standards, and no detected concentration was greater than ten times these standards.

For the soil Hot Spot represented by sample S-10, the EPCs (which represent the detected concentration) of BEHP and C11-C22 aromatic hydrocarbons are greater than the applicable S-1 soil standards, for all groundwater categories. Therefore, a level of No Significant Risk of harm to human health, welfare, and the environment has not been achieved under current and reasonably foreseeable future conditions, due to concentrations of BEHP and C11-C22 aromatic hydrocarbons in soil at sample location S-10.

9.6.3 Risk of Harm to Safety

Potential risk of harm to safety was characterized for the Site in accordance with 1995 MassDEP risk assessment guidance (MassDEP, 1995). The purpose of evaluating the risk of harm to safety, as written in the guidance, is to identify conditions, which have resulted or may result in a release of OHM currently or in the foreseeable future that will pose a threat of physical harm or bodily injury to people. The presence of COPCs detected in the soils and groundwater at the Site does not constitute a significant risk to safety. For example, the COPCs do not pose a threat of fire or explosion. There are no materials in Site soils or groundwater that exhibit the characteristics of corrosivity, reactivity, flammability, or are considered infectious or radioactive. Based on the current understanding, the conditions at the Site related to these compounds do not currently and will not in the foreseeable future pose a threat of physical harm or bodily injury to people.

9.7 CONCLUSIONS

A Method 2 Risk Characterization was conducted for the Disposal Site located at 3 Philipps Road in Holbrook, Massachusetts. Soil EPCs for BEHP and C11-C22 aromatic hydrocarbons in the identified soil Hot Spot exceed applicable Method 1 soil standards. Therefore, a condition of No Significant Risk (NSR) of harm to human health, public welfare, and the environment has NOT been achieved at the Site. However, the public safety evaluation concludes that a condition of NSR to public safety exists.

9.8 REFERENCES

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10.0 PHASE III REMEDIAL ACTION PLAN

This section of the report constitutes a Remedial Action Plan (RAP), which was conducted in accordance with Section 310 CMR 40.0850 of the MCP. The objective of the Phase III RAP was to identify and evaluate remedial alternatives for the Site.

The performance standards for Phase III (310 CMR 40.0853) include:

1) the identification and evaluation of remedial action alternatives that are reasonably likely to achieve a condition of No Significant Risk considering the OHM present, media contaminated, and site characteristics; and

2) the recommendation of a remedial action alternative that is a Permanent or Temporary Solution, where a Permanent Solution includes measures that reduce, to the extent feasible, the concentrations of OHM in the environment to levels that achieve or approach background.

The Phase III evaluation follows a 4-stage process that, pursuant to 310 CMR 40.0855 includes:

1) A description of the Site and summary of the Phase II CSA conclusions (presented in Sections 1 through 9 herein);

2) A discussion of remedial action objectives and cleanup areas;

3) An initial screening to identify those remedial action alternatives that are reasonably likely to be technically feasible and achieve a level of No Significant Risk; and, where necessary,

4) A detailed evaluation of the remedial action alternatives identified by the initial screening to determine which alternative(s) will meet the performance standards and requirements set forth by the MCP.

Lastly, the MCP requires that the results of a Phase III evaluation be documented in a Remedial Action Plan. Each of the elements applicable to this Site, as defined by Sections 310 CMR 40.0861(2)(a) through 40.0861(2)(i), has been addressed in the following sub-sections of this report.

This Phase III RAP was developed to evaluate remedial alternatives to address the significant risk associated with the "hot spot" identified at the Site. The "hot spot" includes soil in the vicinity of soil boring S-10 (elevated concentrations of BEHP and C_{11}-C_{22} aromatic hydrocarbons) that contribute to excess human health risks under current and future conditions. The Phase III RAP Transmittal Form (BWSC-108) is included as Appendix A, and copies of notification letters to public officials are included in Appendix B.

10.1 DEVELOPMENT OF REMEDIAL ACTION OBJECTIVES

The purpose of this Remedial Action Plan is to identify and evaluate remedial action alternatives that are reasonably likely to achieve a level of No Significant Risk considering the hazardous material present, media impacted, and Site characteristics; and to recommend a remedial action alternative that is a Permanent or Temporary Solution for the Site.

Under the MCP at 310 CMR 40.0006, a ***Permanent Solution*** is defined as a measure or combination of measures that will, when implemented, ensure attainment of a level of No Significant Risk, where ***No Significant Risk*** is defined as a level of control of each identified substance of concern at a Disposal Site or in the surrounding environment such that no substance of concern will present a significant risk of harm to health, safety, public welfare, or the environment during any foreseeable period of time. A Permanent Solution includes measures that reduce, to the extent feasible, the concentrations of oil and hazardous material in the environment to levels that achieve or approach background (310 CMR 40.0853 (1)).

Under the MCP at 310 CMR 40.0006, a ***Temporary Solution*** is defined as any measure or combination of measures that will, when implemented, eliminate any Substantial Hazard that is presented by a Disposal Site or by any oil and/or hazardous material at or from such Disposal Site until a Permanent is achieved. A ***Substantial Hazard*** is a hazard that would pose a significant risk of harm to health, safety, public welfare, or the environment if it continued to be present for several years (310 CMR 40.0006).

The results of the RC indicated that a condition of No Significant Risk does not exist under current conditions; therefore, the requirements for a *Temporary Solution* (i.e., that all Substantial Hazards be eliminated) have not been met. As a result, the focus of the Phase III Evaluation that follows is designed to assess the feasibility of achieving No Significant Risk and implementing a *Permanent Solution* at the Site.

10.2 REMEDIAL GOALS AND CLEANUP AREAS

The RC concluded that a condition of No Significant Risk (NSR) of harm to human health had been achieved under current and future conditions within each soil exposure point, with the exception of the identified "hot spot" at soil boring S-10. A condition of NSR could not be achieved for evaluated receptors under current and future conditions due to elevated concentrations of BEHP and C11-C22 aromatics in surface soils within the hot spot area. A condition of NSR has been achieved for human health, public welfare, safety, and the environment under both current and future Site conditions for all other exposure points in soil and groundwater.

Since the RC determined that BEHP and C11-C22 aromatics are the primary risk drivers for soils in the hot spot area of the Site, remedial goals protective of human health, public welfare and the environment were identified for soils within the hot spot. Based on Site-specific conditions and the results of the RC, the following remedial action objectives (RemAOs) were developed and must be met to obtain a Permanent Solution at the Site.

1) Eliminate exposures to impacted-soils within the hot spot area such that a condition of No Significant Risk of harm to human health, public welfare, safety, and the environment as defined under the MCP can be achieved; and

2) Reduce to the extent feasible, levels of COPCs to levels that achieve or approach background concentrations.

Remedial action alternatives that may achieve these objectives are identified below in Section 10.3. The RAP also evaluates the technical and economical feasibility of the remedial alternatives to achieve the remedial objectives and to restore COPC concentrations to background levels.

10.3 IDENTIFICATION AND INITIAL SCREENING OF APPLICABLE REMEDIAL TECHNOLOGIES

Pursuant to 310 CMR 40.0856, an initial screening was conducted to identify remedial action alternatives that are reasonably likely to be feasible based on the OHM present, the impacted media, and Site characteristics. The MCP states that remedial action alternatives are reasonably likely to be feasible if the alternatives employed are reasonably likely to achieve a Permanent or Temporary Solution and individuals with the expertise needed to implement the solutions are available.

Remedial technologies, both historically proven and innovative, were identified and evaluated for possible application within the Soil Staging Area of the disposal site. The evaluation was based on a review of available literature and extensive experience with many of the current technologies. Each of the evaluated remedial technologies was screened for the technical feasibility of use at the Site and potential impacts to the environment and public health in the surrounding area. Each of the alternatives listed has been evaluated in an initial screening for the remediation of contaminated media at the Site based on their effectiveness, implementability, and relative cost. Descriptions of these criteria and how they were used in the evaluation of remedial technologies are described below:

- Effectiveness: Each remedial technology is evaluated on: 1) its effectiveness in meeting the site RemAOs; 2) how proven and reliable the process is with the contaminants and hydrogeology at the site; 3) its capability of treating or processing the estimated volume of impacted media; 4) the potential impacts to human health and the environment during the construction and implementation of the remedial approach; and 5) the timeframe to meet RemOs.

- Implementability: Under this criterion, both the technical and administrative feasibility of implementing a remedial technology is evaluated.

- Cost: During this screening evaluation of remedial technologies and process options, capital and operation and maintenance (O&M) costs are evaluated based on their relative cost to other processes in the same technology type (i.e. low, medium or high).

Remedial actions at the Site must also take into consideration the physical conditions and physical surroundings of the Site and other factors such as Site and surrounding property activities and uses. The following factors present important Site-specific conditions that must be considered when evaluating the possibility of a Temporary or Permanent Solution and in evaluating various remedial alternatives.

- Residual concentrations of semi-volatile organics and specifically BEHP in soil are found across the Site and exist in surface and subsurface soils. The average concentration of BEHP in Site soils outside of the hot spot area do not pose a significant risk of harm to human health, public welfare, safety, or the environment, as described in the RC. However, the BEHP concentration in shallow soils (0-4 feet bgs) within the hot spot area, as well as the concentration of C11-C22 aromatics, were found to pose a significant risk of harm to human health under current and future Site conditions.
- The hot spot area is conservatively estimated to be approximately 2,400 square feet in area. Impacted soils within the hot spot area are located within the bermed silo containment area in the vicinity of the five (5) western aboveground storage tanks located within the bermed area. The estimated thickness of impacted soils in the hot spot area ranges from 0 to 4 feet.
- Approximately 360 cubic yards of impacted soils are estimated to be within the hot spot area and any evaluation of applicable remedial technologies and resulting remedial alternatives must take this area and soil volume into account.

- The hot spot area includes five existing aboveground chemical storage tanks which will likely need to be removed prior to remediating the area.

In general, the potential remedial technologies identified for the Site can be classified as follows:

- No action;
- Monitored natural attenuation;
- Institutional controls;
- Engineered barrier (capping/containment); and
- Soil excavation and off-site disposal (and/or treatment).

The remedial technology identification and evaluation is provided in Table 3. This table evaluates the above-listed remedial alternatives for treatment of site soil and each alternative's potential to achieve site RemAOs, a description of each technology, and the screening evaluation. A remedial alternative screening table is not necessary to identify remedial options for site groundwater, as the primary drivers of site risk are concentrations of BEHP and C11-C22 aromatics in soils within the hot spot area of the Site. Groundwater has not been substantially impacted by the Site release.

10.3.1 Results of Initial Remedial Alternative Screening

The initial screening of the potential remedial alternatives was performed to evaluate the applicability, effectiveness, costs, and risks involved to perform each of the remedial alternatives. The results of the initial screening of remedial alternatives determined several remedial action alternatives as being reasonably likely to be feasible, based on the hazardous material present, impacted media (e.g., soil), and site characteristics. Per the MCP, remedial action alternatives are reasonably likely to be feasible if the technologies to be employed by the alternative are reasonably likely to achieve a Permanent or Temporary Solution and individuals with the expertise needed to effectively implement available solutions would be available, regardless of arrangements for securing their services. The following alternatives were retained after the initial screening:

- Soil Excavation with Off-site Disposal (and/or Treatment); and
- Engineered barrier with institutional controls.

These alternatives are evaluated further as part of the Detailed Evaluation of Remedial Alternatives, presented in Section 10.4.

10.4 DETAILED EVLAUATION OF REMEDIAL ALTERNATIVES

Based on the results of the initial screening, several alternatives were retained and reviewed in detail for the Site. The purpose of this evaluation is to assess the practicability of implementing each technology at the Site, the effect of such technology on projected time frames for remedial action, the effectiveness of such technology in meeting the response action objectives, and the impact of such alternatives on remedial costs for the Site. Under the provisions of 310 CMR 40.0191(3), the evaluation and selection of a remedial action alternative for a disposal site must consider "(a) alternatives which reuse, recycle, destroy, detoxify or treat oil and/or hazardous materials, where feasible, to minimize the need for long-term management of contamination at or from a disposal site; (b) containment measures as feasible Permanent Solutions only where reuse, recycling, destruction, detoxification and treatment are not feasible; and (c) remedial actions to reduce the overall mass and volume of oil and/or hazardous material at a Disposal Site to the extent feasible, regardless of whether it is feasible to achieve one or more

Temporary Solutions and/or Permanent Solutions or whether it is feasible to achieve background for the entire Disposal Site."

10.4.1 Detailed Evaluation Criteria

Based on the results of the initial screening presented in Section 10.3 and the evaluation presented in Table 3, each of the retained remedial alternatives was further evaluated in a detailed evaluation using the criteria listed below. Considering the types of alternatives under consideration, "short term" generally means up to 5 years, while "long term" generally means 5 to 10 years or more.

- **Comparative Effectiveness** (310 CMR 40.0858(1)) – Each of the remedial alternatives is evaluated on its effectiveness in achieving a permanent or temporary solution as defined by the MCP 310 CMR 40.1000, at reusing, recycling, destroying, detoxifying or treating oil and hazardous material at the Disposal Site; and at reducing levels of untreated OHM at the Site to concentrations that achieve or approach background.
- **Short- and Long-Term Reliability** (310 CMR 40.0858(2)) – The comparative short-term and long-term reliability of the alternatives includes the degree of certainty that the alternative will be successful and the effectiveness of any measures required to manage residues or remaining wastes or control emissions or discharges to the environment.
- **Implementability** (310 CMR 40.0858(3)) – The comparative difficulty in implementing each alternative in terms of technical complexity of the alternative; the integration of the alternative with existing facility operations and other current or potential remedial actions; any necessary monitoring, operations, maintenance or Site access requirements or limitations; the availability of necessary services, materials, equipment, or specialists; the availability, capacity and location of necessary off-site treatment, storage and disposal facilities; and whether the alternative meets regulatory requirements for any likely approvals permits or licenses required by MassDEP, or other state, federal, or local agencies will be examined.
- **Cost** (310 CMR 40.0858(4)) – Costs of implementing the alternative (including design, construction, labor, permits, disposal, and OM&M costs); costs of environmental restoration and/or potential damages to natural resources, and the relative consumption of energy resources in the operation of the alternatives and the externalities associated with the use of the resources will be evaluated.
- **Risk** (310 CMR 40.0858(5)) – Evaluation of the risks associated with the implementation of the remedial alternatives with regard to the short-term on-site and off-site risks posed during implementation of the alternative; on-site and off-site risks posed over the period of time required for the alternative to attain applicable remedial standards; and the potential risk of harm to health, safety, public welfare or the environment after the completion of the remedial action will be assessed.
- **Benefit** (310 CMR 40.0858(6)) – Analysis of the benefits of restoring natural resources; providing for the productive reuse of the Site; the avoided costs of relocating people, businesses, or providing alternative water supplies, and the avoided lost value of the Site will be conducted.
- **Timeliness** (310 CMR 40.0858(7)) – All remedial methods will be examined to determine if eliminating any uncontrolled sources of oil and/or hazardous material and achieving a level of No Significant Risk is achievable in an efficient time frame.

- **Non-Pecuniary Interests** (310 CMR 40.0858(8)) – All remedial alternatives will be evaluated to determine the relative effect upon non-pecuniary interests, such as aesthetic values, community or sustainability concerns, etc.

As previously indicated, two alternatives have been retained for detailed evaluation on the basis that each alternative may lead to the achievement of a Permanent Solution at the Site over time. Each alternative was evaluated on its ability to reduce or minimize concentrations of lead in Soil Staging Area soils and achieve the Site Response Action Objectives. Tables 4a and 4b presents each alternative and the criteria used during the evaluation process.

10.5 REMEDIAL ALTERNATIVE SELECTION

Based on the detailed evaluation of the alternatives as presented in Tables 4a and 4b, excavation with off-site treatment and disposal was eliminated due to the elevated costs and relative health and safety risks associated with transporting, treating, and disposing of the material. While soil excavation and on-site stabilization may also be a viable approach to achieve a Permanent Solution and a condition of No Significant Risk, its comparative technical complexity, cost, health and safety concerns, and uncertain reliability and effectiveness lead to elimination of this remedial alternative. Therefore, the selected remedial action alternative for the Disposal Site is the construction of an engineered barrier (i.e., soil cap) with institutional controls to lock in allowable and prohibited uses of the Site and to describe obligations and conditions for maintenance of the engineered barrier; further discussion is provided in Section 10.7.

10.6 FEASIBILITY EVALUATION

In accordance with 310 CMR 40.0860, a feasibility evaluation has been conducted to evaluate the feasibility of implementing a Permanent Solution; the feasibility of reducing concentrations of OHM to levels that achieve or approach background; the feasibility of reducing the concentrations of OHM in soil to levels at or below applicable Upper Concentration Limits; and the feasibility of eliminating, preventing, or mitigating Critical Exposure Pathways at the Disposal Site, as described below.

10.6.1 Feasibility of Implementing a Permanent Solution

In accordance with the criteria set forth under 310 CMR 40.0860(5), a Permanent Solution can be achieved at the Disposal Site because:

- Implementation of the selected remedial alternative is technologically feasible and would result in the achievement No Significant Risk.

- Implementation of the selected remedial alternative **(engineered barrier with institutional controls)** will effectively eliminate exposure to BEHP and C11-C22 aromatics-impacted soils within the hot spot area such that a condition of No Significant Risk of harm to human health, public welfare, safety, and the environment can be achieved Site-wide. The cost is not disproportionate to the benefit gained by remedy implementation, nor will remedy implementation pose significant risks or have substantial deleterious impact to the environment.

- Individuals with the expertise needed to effectively implement the selected alternative are available.

- The selected alternative does not necessitate land disposal other than at the Site itself; and,

- The source of OHM at the Site (e.g., release to surficial soils) is contained to within the hot spot area and elimination or control of such source can be achieved by the selected remedial alternative.

Based on the above-listed criteria, attainment of a Permanent Solution is feasible at the Disposal Site with the selected remedial alternative.

10.6.2 Feasibility of Concentrations Approaching or Achieving Background

As the primary constituents of concern at the Site are BEHP and C11-C22 aromatics in Site soils, and as BEHP is considered a persistent contaminant, it is technically possible to achieve background conditions through soil excavation. Many constituents are also present in soil above background conditions due to the historical use of the Property. Hence, a categorical infeasibility of reaching background does not exist. To achieve "background" conditions, Woodard & Curran conservatively estimates that the entire Disposal Site Boundary (Figure 2) would need to be excavated to an approximate depth of 10 feet bgs. This would entail excavation and off-site transportation and disposal of at least an additional 15,000 cubic yards of soil. Additionally, the expanded excavation would result in significant disruption to the wooded areas within the undeveloped portion of the Site, and require extensive Site restoration. Additionally, demolition of infrastructure would also be required. The total estimated incremental cost to excavate and achieve background Site-wide is over $1,000,000. The additional costs to remediate beyond a NSR condition as well as addressing the "hot spot" area would be exorbitant.

Thus, under 310 CMR 40.0860(5)(b), the likely costs of conducting further remediation are not justified by the foreseeable benefits of that cleanup effort and, therefore, a remedial action that would achieve or approach background is not feasible or practical.

10.6.3 Feasibility of Reducing Concentrations to Levels at or Below UCLs

Soil and groundwater EPCs used in the risk characterization for each constituent of potential concern within each exposure point evaluated in the risk characterization are below applicable soil and groundwater UCLs. Therefore, the requirement of reducing concentrations to levels at or below UCLs has been met.

10.6.4 Feasibility of Eliminating, Preventing or Mitigating Critical Exposure Pathway(s)

No Critical Exposure Pathways (CEPs) have been identified at the Site. Therefore, the requirement of eliminating, preventing, or mitigation CEPs at the Site is not applicable.

10.7 SELECTED REMEDIAL ALTERNATIVE

The remedial action alternative selected to meet the site RemAOs (achieving a Permanent Solution for the Site) is construction of an engineered soil barrier and implementation of institutional controls. Construction of an engineered barrier will eliminate exposures to impacted soils. Implementation of institutional controls in the form of an Activity and Use Limitation will lock in allowable Site uses and detail the obligations and conditions necessary to ensure that the integrity of the soil cap is maintained and the assumptions made in the RC remain valid under foreseeable Site use. This remedial approach was selected based on the implementability, effectiveness and reliability in reaching a Permanent Solution, as well as the costs, risks, benefits and timing involved with implementing the alternatives.

10.8 SCHEDULE

The achievement of a Permanent Solution is anticipated by the fall 2014.

10.9 PHASE III COMPLETION STATEMENT AND PUBLIC INVOLVEMENT

In accordance with 310 CMR 40.0862, a Phase III Completion Statement form (BWSC-108) is appended to and submitted with this combined Phase II CSA and Phase III RAP, a copy of which is provided in Appendix A. Additionally, public notification documentation as required by 310 CMR 40.1403(3) is provided in Appendix B.

11.0 CONCLUSIONS

This section summarizes the findings of the Phase II CSA and Phase III RAP for the Disposal Site located at 3 Phillips Road in Holbrook, Massachusetts. Historical research and field investigation activities conducted at the Site have led to the following conclusions:

- From 1960 to approximately 1998, the subject property was owned by the Holbrook Chemical Corporation and operated as a chemical storage, processing, and sales company. Prior to 1960 the subject property was owned by the Portland Chemical Works. The Holbrook Chemical Corporation abandoned the property in the late 1990s and the Town took the land through tax title in June 2005.
- TLA-Holbrook is leasing the Property from the Town of Holbrook to construct and operate a municipal solid waste transfer station at the Site, with the Town retaining ownership of the property. The Site is now partially occupied by Falvey Steel Castings, Inc.
- Between December 2004 and June 2009, subsurface investigation activities were conducted at the property.
- The Disposal Site is defined as an approximately one-acre portion of the Property in the historical area of the chemical storage. COPCs in soil were detected from ground surface to approximately 8 feet bgs.
- Groundwater is present at depths less than 15 feet bgs and groundwater has been determined to flow east-southeast.
- OHM at low concentrations at the Site consist of heavy metals, pesticides (4,4-DDE and 4,4-DDT), EPH fractions, SVOCs (chlorobenzene compounds, BEHP, and phenol), and VOCs (trichloroethene). Of all COPCs, BEHP and C_{11}-C_{22} aromatic hydrocarbons are the primary contaminants that are present at elevated concentrations, notably in the location of soil boring S-10.
- LNAPL has not been observed at the Site.
- Impacts to the subsurface primarily exist in surficial soil at depths of less than 4 feet. Residual impacts extend to approximately 8 feet bgs across the Site.
- The “hot spot” includes soil in the vicinity of soil boring S-10 (elevated concentrations of BEHP and C11-C22 aromatic hydrocarbons) that contribute to excess human health risks under current and future conditions.
- Based on the results of the RC, further MCP response actions are required to address the “hot spot”.
- The remedial action objective identified for the Site in the Phase III RAP was elimination of human exposures to impacted-soils such that a condition of No Significant Risk of harm to human health, public welfare, safety, and the environment as defined under the MCP can be achieved. Construction of an engineered barrier with institutional controls was selected as the remedial alternative to achieve this remedial action objective.

12.0 LIMITATIONS

The activities described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or limited is implied. These services were performed consistent with the agreement with our client. The conclusions presented in this Report were based upon the services described and not on scientific tasks or procedures beyond the scope of described services or time or budgetary constraints. Any statement or opinion contained in this report prepared by Woodard & Curran shall not be construed to create any warranty or representation that the property is free of pollution or complies with any or all applicable regulatory or statutory requirements; or that the property is fit for any particular purpose. Unless otherwise indicated in this Report, no attempt was made to check on the compliance of present or past owners of the Site with federal, state, or local laws and regulations. Woodard & Curran Inc. shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld or not fully disclosed at the time the evaluation was performed.

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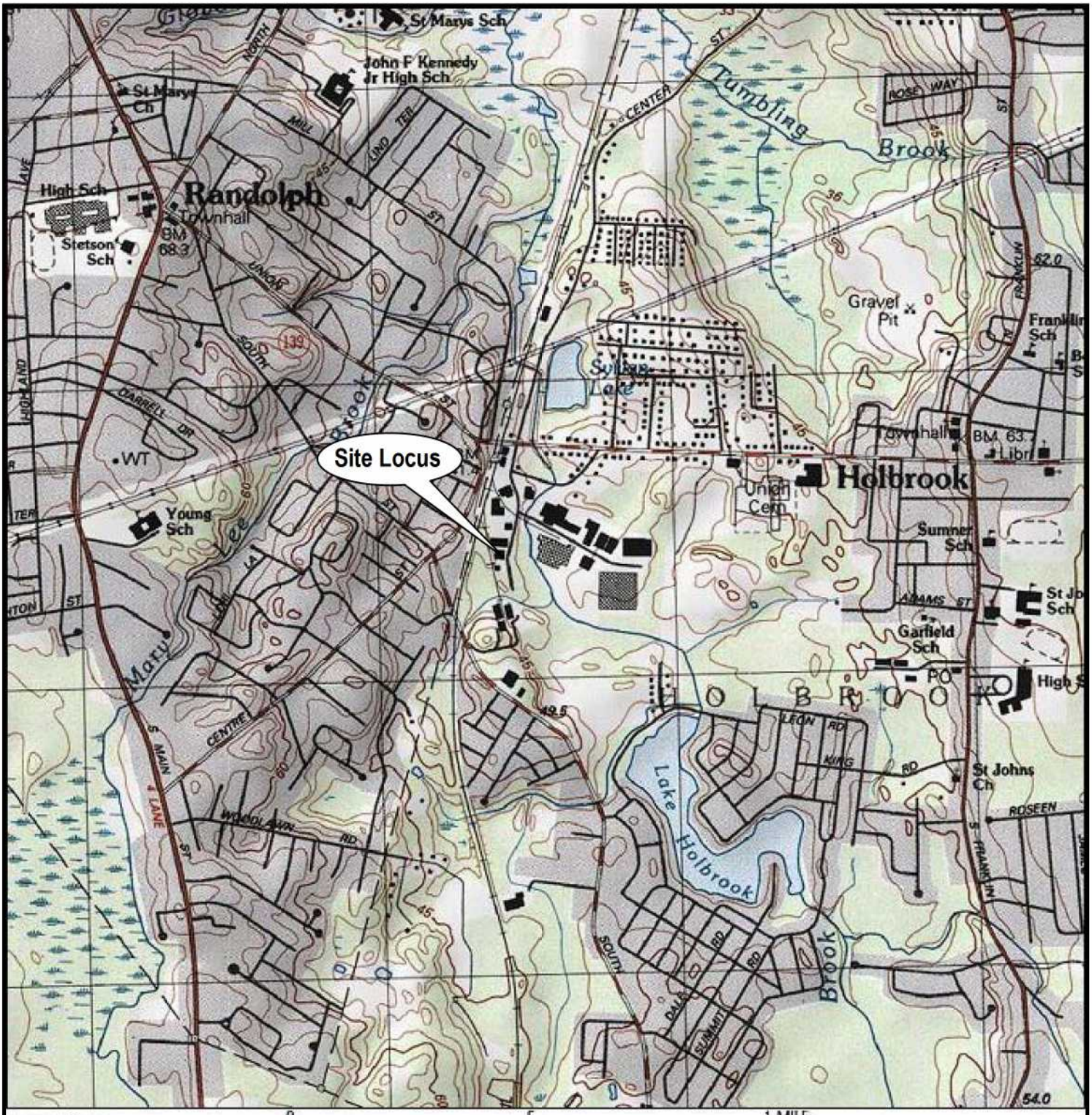
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FIGURES



Base Map Source:
TOPO!™ © 2000
Wildflower Productions

LAT: 42°09'07.36"
LONG: 71°01'39.66"

DES.BY:	DR.BY: MES	CK.BY: DC

3 Philipps Road
Holbrook, MA 02343

FIGURE 1
SITE LOCUS

SCALE: AS SHOWN	JOB NO.: 225604.00
DATE: JAN 2013	FILE NAME:

WOODARD & CURRAN
COMMITMENT & INTEGRITY
DRIVE RESULTS
980 Washington St, Suite 325
Dedham, MA 02026
T: 800.446.5518

DISPOSAL SITE BOUNDARY

MW-1
MW-2
MW-3
MW-4 (NO WELL)
MW-5
MW-6
M-7I/WD
M-7SD
SAB-1
SAB-2
SAB-3B
SAB-4
SAB-5
B-1
B-2
B-3
B-4
B-5
S-1
S-7
S-8
S-9
S-10
S-11
S-12
S-13
S-14
S-15
S-17

LOT 3
11.0 ACRES
N/F
HOLBROOK CHEMICAL CORP
BOOK 3867 PAGE 416
PLAN REF: FILED AS NO. 1062 OF
1960 PLAN BOOK 209

LOT 130-1
N/F
ANN BAIRD

LOT 130-2
N/F
BAIRD AND McGUIRE

LOT 2
N/F
McNAMARA/NEWHALL TRUST

LOT 1

LOT 12
N/F
FANMAR TRUST

N/F
MASS BAY TRANSIT AUTHORITY

CENTERLINE OF R. R. TRACKS

EXISTING RAILROAD TRACKS

EXISTING 60' RIGHT OF WAY

PHILIPPS ROAD

MEAR ROAD

COCHATO RIVER

PAINTBALL BLDG.

#391

#364

#370

BUILDING

EXISTING STRUCTURE

EXISTING PAVEMENT

EXISTING ±14,500 S.F. PROCESSING BUILDING FF= 133.15

EXISTING ABOVE GROUND PIPING

SILO CONTAINMENT AREA

GRASS

GRAVEL

GRAVEL ROAD

EXISTING CHAIN LINK FENCE

STREAMS

STANDING WATER ELEV. 131.6 MAY 2006

EXISTING QUARRY FACE

20' WATER MAIN EASEMENT, TOWNS OF RANDOLPH & HOLBROOK

APPROX. LOC. OF 12" WATER MAIN CAPPED & FILLED WITH CONCRETE

APPROX. 500 FOOT RESIDENTIAL OFFSET

CON. RET. WALL T.O.W.= 128.6 B.O.W.= 125.0

TREE LINE (TYP.)

CROSSING GATES AND SIGNALS

SIGNAL BOXES

(PUBLIC 50')

S.M.H. RIM= 125.59 INV= 110.8

S.M.H. RIM= 122.54 INV= 111.24

36" RCP SEWER

STEEL GUARD RAIL ON CONC. BRIDGE

FLOW

LEGEND

- PROPERTY BOUNDARY
- FENCE
- MW-1 MONITORING WELL LOCATION AND IDENTIFER
- B-1 SOIL BORING LOCATION AND IDENTIFIER

0 100 200

SCALE IN FEET

980 WASHINGTON STREET, SUITE 325
DEDHAM, MASSACHUSETTS 02026
800.446.5518 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

SITE PLAN

DESIGNED BY:
DRAWN BY: EVR
CHECKED BY: DC
Figure 2.dwg

TRANSLOAD AMERICA HOLBROOK
SOLID WASTE TRANSFER STATION

MAP 19 LOT 3
3 PHILIPPS ROAD
HOLBROOK, MASSACHUSETTS

JOB NO: 218390
DATE: JUNE 2009
SCALE: AS NOTED

FIGURE 2

GROUNDWATER CONTOUR PLAN

980 WASHINGTON STREET, SUITE 325
DEDHAM, MASSACHUSETTS 02026
800.446.5518 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

WOODARD & CURRAN

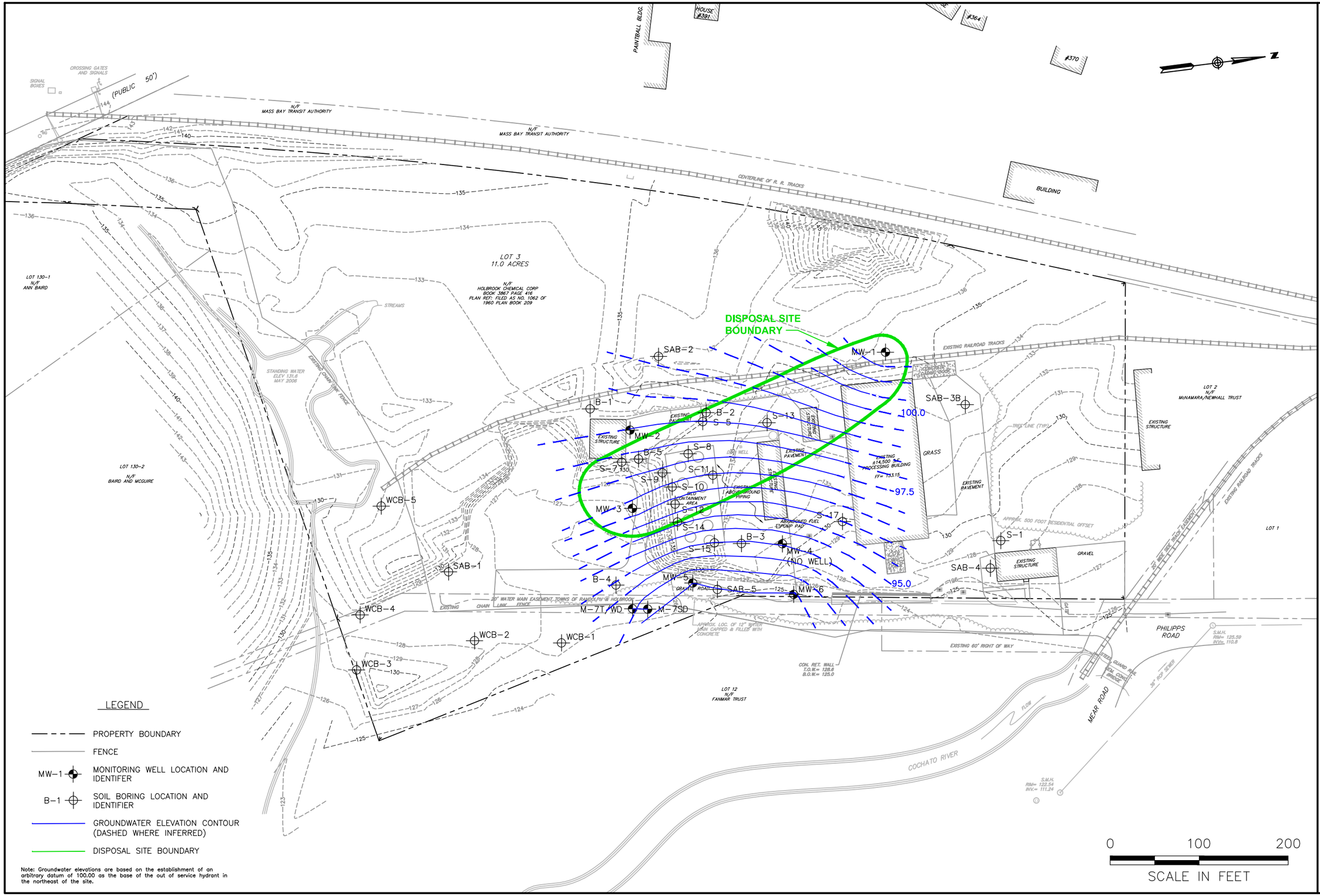
CHECKED BY: DC
225604
DESIGNED BY: RS
DRAWN BY: RS

TLA–HOLBROOK, LLC

MAP 19 LOT 3
3 PHILIPPS ROAD
HOLBROOK, MASSACHUSETTS

JOB NO: 225604
DATE: SEPT 2012
SCALE: AS NOTED

FIGURE 3



LEGEND

- PROPERTY BOUNDARY
- FENCE
- MW-1 — MONITORING WELL LOCATION AND IDENTIFER
- B-1 — SOIL BORING LOCATION AND IDENTIFIER
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- DISPOSAL SITE BOUNDARY

Note: Groundwater elevations are based on the establishment of an arbitrary datum of 100.00 as the base of the out of service hydrant in the northeast of the site.

MassDEP - Bureau of Waste Site Cleanup

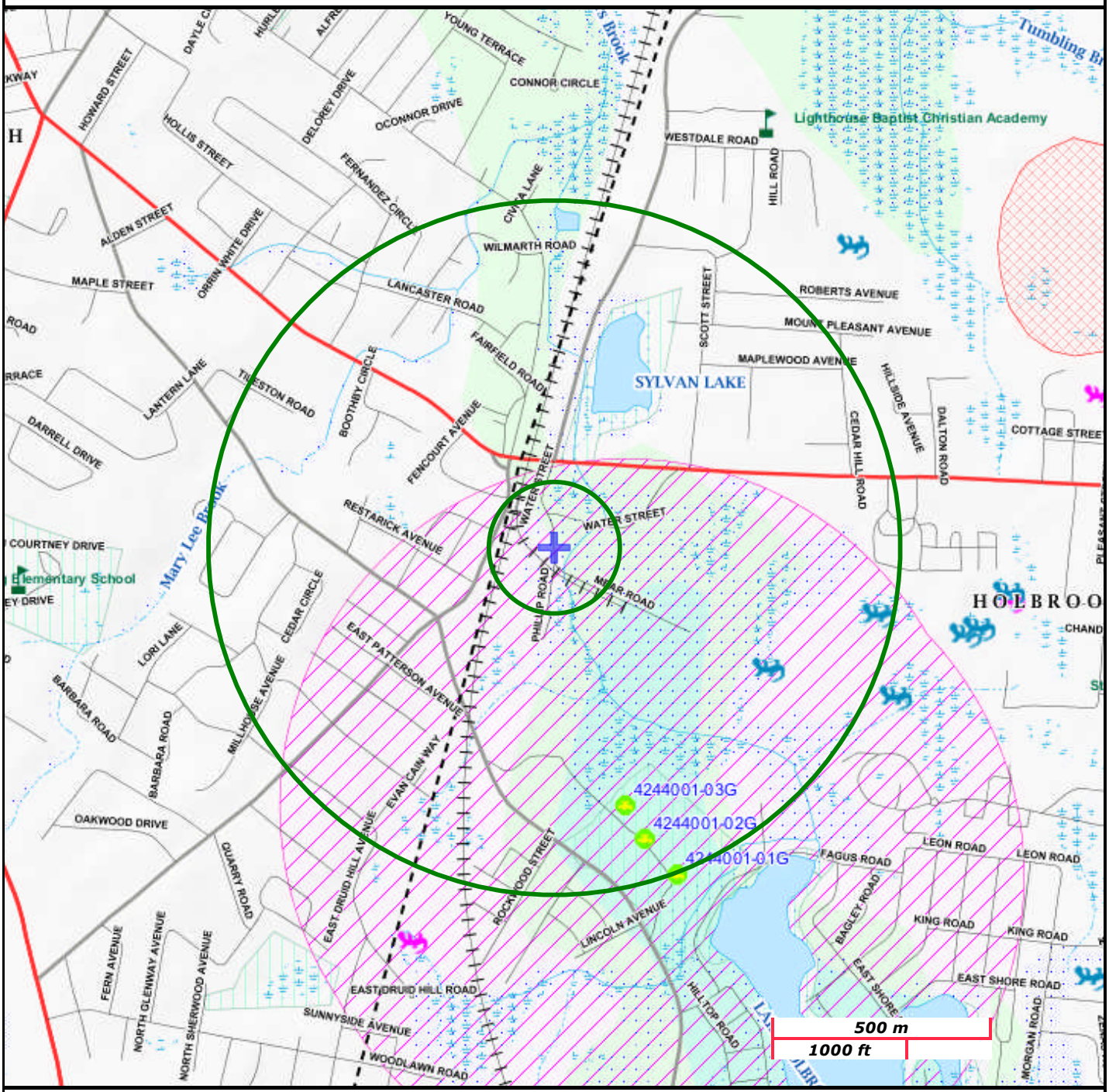
MCP Numerical Ranking System Map: 500 feet & 0.5 Mile Radii

Site Information:

3 PHILIPPS ROAD HOLBROOK, MA
4-03024519
NAD83 UTM Meters:
4668815mN , 332530mE (Zone: 19)
January 4, 2013

The information shown is the best available at the date of printing. However, it may be incomplete. The responsible party and LSP are ultimately repsponsible for ascertaining the true conditions surrounding the site. Metadata for data layers shown on this map can be found at: http://www.mass.gov/mgis/.

MassDEP
Commonwealth of Massachusetts
Department of Environmental Protection



Roads: Limited Access, Divided, Other Hwy, Major Road, Minor Road, Track, Trail
Boundaries: Town, County, DEP Region; Train; Powerline; Pipeline; Aqueduct
Basins: Major, PWS; Streams: Perennial, Intermittent, Man Made Shore, Dam
Aquifers: Medium Yield, High Yield, EPA Sole Source
Non Potential Drinking Water Source Area: Medium, High (Yield)
PWS Protection Areas: Zone II, IWPA, Zone A
Hydrography: Open Water, PWS Reservoir, Tidal Flat
Wetlands: Freshwater, Saltwater, Cranberry Bog
FEMA 100yr Floodplain; Protected Open Space; ACEC
Est. Rare Wetland Wildlife Hab; Vernal Pool: Cert., Potential
Solid Waste Landfill; PWS: Com.GW,SW, Emerg., Non-Com.

TABLES

Table 1 - Summary of Soil Sampling Results

TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & June 2009

LOCATION				S-1	S-5	S-7	S-8	S-8	S-9	S-9	S-10	S-11	S-11	S-12	S-12	S-13	S-14
SAMPLING DATE				3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006
SAMPLE DEPTH (ft)				0-4	0-4	0-4	0-4	4-8	0-4	4-8	0-4	0-4	4-8	0-4	4-7	0-4	0-4
	Method 1 Cleanup Std. (S-1/GW-1)	**Method 1 Cleanup Std. (S-2/GW-1)**	**Method 3 UCL**														
Volatile Organic Compounds (mg/Kg)																	
Chloromethane	NS	NS	NS	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028
Bromomethane	0.5	0.5	7000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028
Methylene Chloride	NS	NS	7000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028
Tetrachloroethene	1.0	1.0	5000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	0.170	<0.028
Trichloroethene	0.3	0.3	5000	<0.032	<0.030	NA	0.200	<0.034	<0.041	<0.047	<0.028	<0.048	0.063	<0.027	<0.030	**1.7**	<0.028
Benzene	2	2	2000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	0.035	<0.028
m & p-Xylene	400	400	2000	<0.063	<0.059	NA	<0.078	<0.068	<0.083	<0.094	<0.057	0.061[2]	<0.093	<0.054	<0.059	<0.061	<0.056
Toluene	30	30	10000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	0.097	<0.046	<0.027	<0.030	<0.031	<0.028
Chlorobenzene	1	1	10000	<0.032	<0.030	NA	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028
Volatile Petroleum Hydrocarbons (mg/Kg)																	
Benzene	2	2	2000	<0.3	NA	NA	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Ethylbenzene	40	40	10000	<0.3	NA	NA	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Methyl-tert-butyl ether	0.1	0.1	5000	<0.3	NA	NA	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Naphthalene	4	4	10000	<1	NA	NA	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Toluene	30	30	10000	<0.3	NA	NA	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
Xylenes-mixed isomers	400	400	2000	<0.6	NA	NA	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
C5-C8 Aliphatic Hydrocarbons	100	500	500	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
C9-C12 Aliphatic Hydrocarbons	1000	3000	20000	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
C9-C10 Aromatic Hydrocarbons	100	300	5000	<3.0	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Semivolatile Organics (mg/Kg)																	
Phenol	1	1	10000	0.190	0.180	0.240	0.260	0.220	0.170	0.170	0.260	0.270	0.240	0.330	0.070[2]	0.210	0.180
Benzoic acid	NS	NS	NS	<0.770	<0.750	<0.820	<0.810	<0.800	0.084[2]	<0.790	<0.850	<0.760	<0.850	<0.820	<0.820	<0.800	<0.770
4-Methylphenol	NS	NS	NS	<0.051	<0.050	0.056	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
1,4-Dichlorobenzene	0.7	0.7	2000	<0.051	<0.050	**1.300**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
2,6-Dinitrotoluene	NS	NS	NS	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
2-Methylnaphthalene	0.7	0.7	10000	<0.051	<0.050	0.073	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	0.064	<0.055	<0.055	<0.054	<0.052
Benzo(a)anthracene	7	40	100	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	0.062	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
Naphthalene	4	4	10000	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
Benzo(b)fluoranthene	7	40	100	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	0.075	<0.055	<0.055	<0.054	0.160
Hexachlorobenzene	0.7	5	30	<0.051	<0.050	**1.400**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
1,2,4-Trichlorobenzene	2	2	10000	<0.051	<0.050	**6.800**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
4-Bromophenyl phenyl ether	NS	NS	NS	<0.051	<0.050	<0.055	<0.054	0.088	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
Butyl benzyl phthalate	NS	NS	NS	<0.051	<0.050	<0.055	0.089	<0.053	0.230	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052
Di-n-octyl phthalate	NS	NS	NS	<0.150	<0.150	<0.160	<0.160	<0.160	<0.150	<0.160	<0.170	<0.150	<0.170	0.610	<0.160	<0.160	<0.150
Di-n-Butylphthalate	NS	NS	NS	0.420[1]	0.230[1]	0.330[1]	0.420[1]	0.560[1]	0.420[1]	0.230[1]	0.320[1]	0.210[1]	0.380[1]	0.350[1]	0.410[1]	0.320[1]	0.190[1]
Chrysene	70	400	400	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	0.070	<0.055	<0.055	<0.054	0.057
Pyrene	1,000	3000	10000	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	0.065	<0.051	0.081	<0.055	<0.055	<0.054	<0.052
Phenanthrene	10	10	10000	<0.051	<0.050	0.064	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	0.110	<0.055	<0.055	<0.054	<0.052
Fluoranthene	1000	3000	10000	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	0.083	<0.051	0.088	<0.055	<0.055	<0.054	<0.052
bis(2-Ethylhexyl)phthalate	200	700	10000	0.270[1]	0.550[1]	5.300[1]	0.530[1]	0.270[1]	1.100[1]	0.270[1]	**4600**[1]	5.200[1]	0.500[1]	6.600[1]	9.300[1]	4.600[1]	0.800[1]

Table 1 - Summary of Soil Sampling Results

TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & June 2009

LOCATION				S-1	S-5	S-7	S-8	S-8	S-9	S-9	S-10	S-11	S-11	S-12	S-12	S-13	S-14
SAMPLING DATE				3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006
SAMPLE DEPTH (ft)				0-4	0-4	0-4	0-4	4-8	0-4	4-8	0-4	0-4	4-8	0-4	4-7	0-4	0-4
	Method 1 Cleanup Std. (S-1/GW-1)	**Method 1 Cleanup Std. (S-2/GW-1)**	**Method 3 UCL**														
Extractable Petroleum Hydrocarbons (mg/Kg)																	
Naphthalene	4	4	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
2-Methylnaphthalene	0.7	7	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Phenanthrene	10	10	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthylene	1	1	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Acenaphthene	4	4	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluorene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Anthracene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Fluoranthene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Pyrene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)anthracene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Chrysene	70	400	400	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(b)fluoranthene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(k)fluoranthene	70	400	400	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(a)pyrene	2	4	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Indeno(1,2,3-cd)pyrene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Dibenzo(a,h)anthracene	0.7	4	100	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Benzo(g,h,i)perylene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
C9-C18 Aliphatic Hydrocarbons	1000	3000	20000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
C19-C36 Aliphatic Hydrocarbons	3000	5000	20000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
C11-C22 Aromatic Hydrocarbons	1000	1000	10000	<10.0	<10.0	259	16	<10.0	<10.0	<10.0	**1310**	<10.0	20	150	149	19	<10.0
Dioxins (ug/Kg)	NS	NS	NS	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (mg/Kg)	2	2	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides (ug/Kg)																	
4,4'-DDE	3000	20000	300000	<10	NA	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
4,4'-DDT	3000	20000	300000	<10	NA	47	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
Endrin aldehyde	8000	10000	100000	<10	NA	<10	<10	<10	57	<10	<10	<10	<10	<10	73	<10	<10
Metals (mg/Kg)																	
Arsenic	20	20	300	< 0.69	0.79	**24**	4.89	<0.71	<0.67	<0.66	1.30	**52**	4.11	0.67	<0.69	2.52	<0.69
Barium	1000	3000	10000	16	21	32	36	20	23	27	20	19	57	32	24	25	35
Cadmium	2	30	800	0.41	0.33	0.36	0.51	0.43	0.34	0.46	0.34	<0.34	0.62	0.33	0.35	0.88	0.62
Chromium (total)	30	200	10000	6.93	4.69	11	12	5.04	7.26	11	7.51	6.59	5.82	12	8.05	3.93	12
Lead	300	300	6000	5.21	4.49	20	6.93	4.75	5.45	4.28	5.88	58	9.16	5.15	5.41	11	5.60
Mercury	20	30	600	<0.061	<0.064	<0.071	<0.066	<0.068	<0.069	<0.069	<0.076	<0.059	<0.075	<0.066	<0.060	<0.065	<0.068
Selenium	400	800	10000	<0.69	<0.66	<0.71	<0.73	<0.71	<0.67	<0.66	<0.68	<0.69	<0.78	<0.67	<0.69	<0.59	<0.69
Silver	100	200	2000	<0.34	<0.33	<0.36	<0.36	<0.35	<0.34	<0.33	<0.34	<0.34	<0.39	<0.33	<0.35	<0.29	<0.35

Notes:

All units reported in milligrams per kilogram (mg/kg).

Detectable concentrations highlighted in yellow.

Bold Type - Concentration exceeds applicable Method 1 S-1 Cleanup Standard.

NA = Not Analyzed.

ND = None Detected.

NS = No Standard.

[1]Compound reported in blank.

[2]Estimated - Below Reportable Limit.

< = Less than minimum reporting limit as indicated by the laboratory.

MCP RCS Standards: Applicable Massachusetts Contingency Plan Reportable Concentration in Soil Standards.

MCP GW-3; S-3/ GW-2 & GW-3 Standards: Applicable Massachusetts Contingency Plan Method I Soil Standards.

Table 1 - Summary of Soil Sampling Results
TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & June 2009

LOCATION				S-15	S-17	MW-1	MW-2	MW-4	B-4 (0-6')	B-4 (6-10')	B-2 (0-6')	B-2 (6-10')	B-5 (0-6')	B-5 (6-10')	SAB-1 (0-4')	SAB-3B (0-6')	B-1 (0-6')	SAB-2 (0-6')
SAMPLING DATE				3/8/2006	3/8/2006	3/9/06	3/9/06	3/9/06	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09
SAMPLE DEPTH (ft)				0-1	0-4	0-7	5-7	5-7	0-6	6-10	0-6	6-10	0-6	6-10	0-4	0-6	0-6	0-6
	Method 1 Cleanup Std. (S-1/GW-1)	**Method 1 Cleanup Std. (S-2/GW-1)**	**Method 3 UCL**															
Volatile Organic Compounds (mg/Kg)									NA	NA					NA			
Chloromethane	NS	NS	NS	<0.045	NA	0.048	0.030	0.040			<0.0090	<0.0039	<0.0052	<0.300		<0.0057	<0.0090	<0.0062
Bromomethane	0.5	0.5	7000	<0.045	NA	0.100	0.080	0.087			<0.0036	<0.0016	<0.0021	<0.120		<0.0023	<0.0036	<0.0025
Methylene Chloride	NS	NS	7000	<0.045	NA	0.310	<0.023	<0.029			<0.018	<0.0078	<0.010	<0.590		<0.011	<0.018	<0.012
Tetrachloroethene	1.0	1.0	5000	<0.045	NA	<0.033	<0.023	<0.029			<0.0018	<0.00078	<0.0010	<0.059		<0.0011	<0.0018	<0.0012
Trichloroethene	0.3	0.3	5000	<0.045	NA	0.150	<0.023	<0.029			<0.0018	<0.00078	<0.0010	<0.059		<0.0011	<0.0018	<0.0012
Benzene	2	2	2000	<0.045	NA	<0.033	<0.023	<0.029			<0.0018	<0.00078	<0.0010	<0.059		<0.0011	<0.0018	<0.0012
m & p-Xylene	400	400	2000	<0.090	NA	<0.066	<0.046	<0.058			<0.0036	<0.0016	<0.0021	<0.120		<0.0023	<0.0036	<0.0025
Toluene	30	30	10000	<0.045	NA	<0.033	<0.023	<0.029			<0.0027	<0.0012	<0.0016	<0.089		<0.0017	<0.0027	<0.0019
Chlorobenzene	1	1	10000	<0.045	NA	<0.033	<0.023	0.050			<0.0018	<0.00078	<0.0010	<0.059		<0.0011	<0.0018	<0.0012
Volatile Petroleum Hydrocarbons (mg/Kg)						NA			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	2	2	2000	<0.3	<0.3		<0.3	<0.3										
Ethylbenzene	40	40	10000	<0.3	<0.3		<0.3	<0.3										
Methyl-tert-butyl ether	0.1	0.1	5000	<0.3	<0.3		<0.3	<0.3										
Naphthalene	4	4	10000	<1	<1		<1	<1										
Toluene	30	30	10000	<0.3	<0.3		<0.3	<0.3										
Xylenes-mixed isomers	400	400	2000	<0.6	<0.6		<0.6	<0.6										
C5-C8 Aliphatic Hydrocarbons	100	500	500	<3.0	<3.0		<3.0	<3.0										
C9-C12 Aliphatic Hydrocarbons	1000	3000	20000	<3.0	<3.0		<3.0	<3.0										
C9-C10 Aromatic Hydrocarbons	100	300	5000	<3.0	<3.0		<3.0	<3.0										
Semivolatile Organics (mg/Kg)					NA						NA	NA			NA			
Phenol	1	1	10000	0.310		0.170	0.110	0.094[2]	NA	NA			NA	NA		NA	NA	NA
Benzoic acid	NS	NS	NS	<0.880		<0.890	<0.750	<0.054	NA	NA			NA	NA		NA	NA	NA
4-Methylphenol	NS	NS	NS	<0.059		<0.060	<0.050	<0.054	NA	NA			NA	NA		NA	NA	NA
1,4-Dichlorobenzene	0.7	0.7	2000	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
2,6-Dinitrotoluene	NS	NS	NS	<0.059		<0.060	<0.050	0.480	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
2-Methylnaphthalene	0.7	0.7	10000	0.075		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Benzo(a)anthracene	7	40	100	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Naphthalene	4	4	10000	0.075		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Benzo(b)fluoranthene	7	40	100	<0.059		<0.060	<0.050	<0.054	0.420	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Hexachlorobenzene	0.7	5	30	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
1,2,4-Trichlorobenzene	2	2	10000	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
4-Bromophenyl phenyl ether	NS	NS	NS	0.100		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Butyl benzyl phthalate	NS	NS	NS	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Di-n-octyl phthalate	NS	NS	NS	6.200		<0.180	<0.150	<0.160	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Di-n-Butylphthalate	NS	NS	NS	0.270[1]		0.570[1]	0.360[1]	0.520[1]	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Chrysene	70	400	400	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Pyrene	1,000	3000	10000	<0.059		<0.060	<0.050	<0.054	0.500	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Phenanthrene	10	10	10000	<0.059		<0.060	<0.050	<0.054	<0.360	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
Fluoranthene	1000	3000	10000	<0.059		0.069	<0.050	<0.054	0.560	<0.380			<0.360	<0.360		<0.360	<0.350	<0.370
bis(2-Ethylhexyl)phthalate	200	700	10000	44.000[1]		1.100[1]	6.400[1]	0.290[1]	<0.720	<0.760			1.300	<0.720		<0.720	7.500	<0.730

Table 1 - Summary of Soil Sampling Results
TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & June 2009

LOCATION				S-15	S-17	MW-1	MW-2	MW-4	B-4 (0-6')	B-4 (6-10')	B-2 (0-6')	B-2 (6-10')	B-5 (0-6')	B-5 (6-10')	SAB-1 (0-4')	SAB-3B (0-6')	B-1 (0-6')	SAB-2 (0-6')
SAMPLING DATE				3/8/2006	3/8/2006	3/9/06	3/9/06	3/9/06	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09	6/8/09
SAMPLE DEPTH (ft)				0-1	0-4	0-7	5-7	5-7	0-6	6-10	0-6	6-10	0-6	6-10	0-4	0-6	0-6	0-6
	Method 1 Cleanup Std. (S-1/GW-1)	**Method 1 Cleanup Std. (S-2/GW-1)**	**Method 3 UCL**															
Extractable Petroleum Hydrocarbons (mg/Kg)											NA	NA			NA	NA		NA
Naphthalene	4	4	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
2-Methylnaphthalene	0.7	7	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Phenanthrene	10	10	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Acenaphthylene	1	1	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Acenaphthene	4	4	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Fluorene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Anthracene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Fluoranthene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Pyrene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Benzo(a)anthracene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Chrysene	70	400	400	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Benzo(b)fluoranthene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Benzo(k)fluoranthene	70	400	400	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Benzo(a)pyrene	2	4	100	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Indeno(1,2,3-cd)pyrene	7	40	100	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<7.25	<0.362			<0.347	
Dibenzo(a,h)anthracene	0.7	4	100	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
Benzo(g,h,i)perylene	1000	3000	10000	<0.5	<0.5	<0.5	<0.5	<0.5	<1.79	<0.379			<0.725	<0.362			<0.347	
C9-C18 Aliphatic Hydrocarbons	1000	3000	20000	<10.0	<10.0	<10.0	<10.0	<10.0	<35.8	<7.58			<14.5	<7.25			<6.94	
C19-C36 Aliphatic Hydrocarbons	3000	5000	20000	<10.0	<10.0	24	<10.0	<10.0	41.4	<7.58			16.1	<7.25			<6.94	
C11-C22 Aromatic Hydrocarbons	1000	1000	10000	<10.0	21	19	<10.0	<10.0	53.5	<7.58			19.4	<7.25			8.45	
Dioxins (ug/Kg)	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Polychlorinated Biphenyls (PCBs) (mg/Kg)	2	2	100	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pesticides (ug/Kg)								NA		NA		NA		NA	NA			NA
4,4'-DDE	3000	20000	300000	<10	NA	12	<10		<3.58		<3.58		<3.62			<3.58	<3.47	
4,4'-DDT	3000	20000	300000	<10	NA	17	<10		<3.58		<3.58		<3.62			<3.58	<3.47	
Endrin aldehyde	8000	10000	100000	<10	NA	<10	<10		NA		NA		NA			NA	NA	
Metals (mg/Kg)									NA		NA	NA	NA	NA		NA		NA
Arsenic	20	20	300	14	3.49	1.04	<0.67	1.25		1.7					2.5		2.1	
Barium	1000	3000	10000	35	61	34	23	21		27					27		24	
Cadmium	2	30	800	0.85	0.84	0.52	0.47	0.42		<0.44					<0.43		<0.42	
Chromium (total)	30	200	10000	16	13	11	7.56	6.6		20					21		6.9	
Lead	300	300	6000	16	9.55	23	5.08	10		5.3					8.5		6.2	
Mercury	20	30	600	<0.081	<0.061	0.062	<0.061	<0.069		<0.09					<0.08		<0.08	
Selenium	400	800	10000	<0.77	<0.70	<0.74	<0.67	<0.69		<2.2					<2.1		<2.1	
Silver	100	200	2000	<0.38	<0.35	<0.37	<0.33	<0.35		<0.44					0.61		<0.42	

Notes:

All units reported in milligrams per kilogram (mg/kg).

Detectable concentrations highlighted in yellow.

Bold Type - Concentration exceeds applicable Method 1 S-1 Cleanup Standard.

NA = Not Analyzed.

ND = None Detected.

NS = No Standard.

[1]Compound reported in blank.

[2]Estimated - Below Reportable Limit.

< = Less than minimum reporting limit as indicated by the laboratory.

MCP RCS Standards: Applicable Massachusetts Contingency Plan Reportable Concentration in Soil Standards.

MCP GW-3; S-3/ GW-2 & GW-3 Standards: Applicable Massachusetts Contingency Plan Method I Soil Standards.

Table 2 - Summary of Groundwater Sampling Results
TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & December 2012

LOCATION		MW-1		MW-2		MW-3		MW-5		MW-6		MW-7SD		MW-7TWB	
SAMPLING DATE	Method 1 GW-1	3/15/06	12/4/12	3/15/06	12/4/12	3/15/06	12/4/12	3/15/06	12/4/12	3/15/06	12/4/12	3/15/06	12/4/12	3/15/06	12/4/12
Volatile Organic Compounds (mg/L)															
Acetone	6.3	0.019	<0.005	<0.0050	<0.005	<0.0050	<0.005	0.0086	<0.005	<0.0050	<0.005	<0.0050	<0.005	<0.0050	<0.005
Bromomethane	0.002	<0.001	<0.005	<0.0010	<0.005	<0.0010	<0.005	<0.0010	<0.005	<0.0010	<0.005	<0.0010	<0.005	<0.0010	<0.005
Methylene Chloride	0.005	<0.003	<0.005	<0.0030	<0.005	<0.0030	<0.005	<0.0030	<0.005	<0.0030	<0.005	<0.0030	<0.005	<0.0030	<0.005
Methyl tert butyl ether	0.07	0.015	<0.002	<0.0020	<0.002	<0.0020	<0.002	<0.0020	<0.002	<0.0020	<0.002	<0.0020	<0.002	<0.0020	<0.002
Trichloroethene	0.005	<0.001	<0.005	<0.0010	<0.005	<0.0010	<0.005	<0.0010	<0.005	0.0026	0.003	<0.0010	<0.005	<0.0010	<0.005
Chlorobenzene	0.1	<0.001		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010		<0.0010	
Volatile Petroleum Hydrocarbons (mg/L)															
Benzene	0.005	NA	NA	<0.005	NA	NA	NA	<0.005	NA	<0.005	NA	<0.005	NA	<0.005	NA
Ethylbenzene	0.7	NA	NA	<0.005	NA	NA	NA	<0.005	NA	<0.005	NA	<0.005	NA	<0.005	NA
Methyl-tert-butylether	0.07	NA	NA	<0.010	NA	NA	NA	<0.010	NA	<0.010	NA	<0.010	NA	<0.010	NA
Naphthalene	0.140	NA	NA	<0.010	NA	NA	NA	<0.010	NA	<0.010	NA	<0.010	NA	<0.010	NA
Toluene	1	NA	NA	<0.005	NA	NA	NA	<0.005	NA	<0.005	NA	<0.005	NA	<0.005	NA
m&p-Xylenes	10	NA	NA	<0.010	NA	NA	NA	<0.010	NA	<0.010	NA	<0.010	NA	<0.010	NA
o-Xylene	10	NA	NA	<0.010	NA	NA	NA	<0.010	NA	<0.010	NA	<0.010	NA	<0.010	NA
C5-C8 Aliphatic Hydrocarbons	0.3	NA	NA	<0.050	NA	NA	NA	0.065	NA	<0.050	NA	<0.050	NA	<0.050	NA
C9-C12 Aliphatic Hydrocarbons	0.7	NA	NA	<0.050	NA	NA	NA	<0.050	NA	<0.050	NA	<0.050	NA	<0.050	NA
C9-C10 Aromatic Hydrocarbons	0.2	NA	NA	<0.050	NA	NA	NA	<0.050	NA	<0.050	NA	<0.050	NA	<0.050	NA
Semivolatile Organics (mg/L)															
Benzoic Acid	NS	0.083	NA	<0.025	NA	<0.016	NA	<0.024	NA	<0.025	NA	<0.017	NA	<0.016	NA
Pentachlorophenol	0.001	**0.0048**[1]	<0.0008	<0.0085	<0.0008	<0.0054	<0.0008	<0.0079	<0.0008	<0.0085	<0.0008	<0.0056	<0.0008	<0.0055	<0.0008
Benzidine	NS	<0.086	NA	<0.100	NA	<0.065	NA	<0.095	NA	<0.100	NA	<0.067	NA	0.060[1]	NA
bis(2-Ethylhexyl)phthalate	0.006	0.0016[1]	<0.003	<0.0051	<0.003	<0.0032	<0.003	<0.0048	<0.003	<0.0051	<0.003	<0.0034	<0.003	<0.0033	<0.003
EPH (ug/L)															
Naphthalene	140	<1	<0.2	<1	<0.2	NA	<0.2	2	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
2-Methylnaphthalene	10	<1	<0.2	<1	<0.2	NA	<0.2	1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Phenanthrene	40	<1	<0.2	<1	<0.2	NA	<0.2	<1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Acenaphthylene	30	<1	<0.2	<1	<0.2	NA	<0.2	<1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Acenaphthene	20	<5	<0.2	<5	<0.2	NA	<0.2	<5	<0.2	<5	<0.2	<5	<0.2	<5	<0.2
Fluorene	30	<5	<0.2	<5	<0.2	NA	<0.2	<5	0.21	<5	<0.2	<5	<0.2	<5	<0.2
Anthracene	60	<5	<0.2	<5	<0.2	NA	<0.2	<5	<0.2	<5	<0.2	<5	<0.2	<5	<0.2
Fluoranthene	90	<5	<0.2	<5	<0.2	NA	<0.2	<5	<0.2	<5	<0.2	<5	<0.2	<5	<0.2
Pyrene	80	<5	<0.2	<5	<0.2	NA	<0.2	<5	<0.2	<5	<0.2	<5	<0.2	<5	<0.2
Benzo(a)anthracene	1	<1	<0.2	<1	<0.2	NA	<0.2	<1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Chrysene	2	<2	<0.2	<2	<0.2	NA	<0.2	<2	<0.2	<2	<0.2	<2	<0.2	<2	<0.2
Benzo(b)fluoranthene	1	<1	<0.2	<1	<0.2	NA	<0.2	<1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Benzo(k)fluoranthene	1	<1	<0.2	<1	<0.2	NA	<0.2	<1	<0.2	<1	<0.2	<1	<0.2	<1	<0.2
Benzo(a)pyrene	0.2	<0.2	<0.2	<0.2	<0.2	NA	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
Indeno(1,2,3-cd)pyrene	0.5	<0.5	<0.2	<0.5	<0.2	NA	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2
Dibenzo(a,h)anthracene	0.5	<0.5	<0.2	<0.5	<0.2	NA	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2	<0.5	<0.2
Benzo(g,h,i)perylene	50	<5	NA	<5	NA	NA	NA	<5	NA	<5	NA	<5	NA	<5	NA
C9-C18 Aliphatic Hydrocarbons	700	<50	NA	<50	NA	NA	NA	<50	NA	<50	NA	<50	NA	<50	NA
C19-C36 Aliphatic Hydrocarbons	14000	<50	NA	<50	NA	NA	NA	<50	NA	<50	NA	<50	NA	<50	NA
C11-C22 Aromatic Hydrocarbons	200	<50	NA	<50	NA	NA	NA	<50	NA	<50	NA	<50	NA	<50	NA

Table 2 - Summary of Groundwater Sampling Results
TLA Holbrook
3 Philipps Road
Holbrook, Massachussets
March 2006 & December 2012

LOCATION		MW-1		MW-2		MW-3		MW-5		MW-6		MW-7SD		MW-7TWB	
SAMPLING DATE		**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**	**3/15/06**	**12/4/12**
	Method 1 GW-1														
Pesticides (mg/L)	VARIES	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	ND	NA	NA	NA
Dissolved Metals (mg/L)															
Arsenic	0.01	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005	<0.01	<0.005
Barium	2	0.031	0.069	0.035	0.061	0.072	0.057	0.060	0.073	0.076	0.068	0.065	0.085	0.049	0.081
Cadmium	0.005	<0.005	<0.004	<0.005	<0.004	<0.005	<0.004	<0.005	<0.004	<0.005	<0.004	<0.005	<0.004	<0.005	<0.004
Chromium (total)	0.1	0.005	<0.010	<0.005	<0.010	0.007	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010
Lead	0.1	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010	<0.005	<0.010
Mercury	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0005	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Selenium	0.05	0.02	<0.010	<0.01	<0.010	0.01	<0.010	0.01	<0.010	0.01	<0.010	<0.01	<0.010	0.02	<0.010
Silver	0.1	<0.005	<0.007	<0.005	<0.007	<0.005	<0.007	<0.005	<0.007	<0.005	<0.007	<0.005	<0.007	<0.005	<0.007

Notes:
Yellow highlight denotes detected concentration.
Bold Type - Concentration exceeds the GW-1 Groundwater Standard.
NA = Not Analyzed.
ND = None Detected.
[1]Estimated due to concentration being below laboratory limit.
< = Less than minimum reporting limit as indicated by the laboratory.
MCP GW-1 Standards: Applicable Massachusetts Contingency Plan Method I Groundwater Standards.

Table 3 - Identification and Evaluation of Remedial Technologies - Soil

TLA Holbrook
3 Phillipps Road
Holbrook, Massachusetts

REMEDIAL ALTERNATIVE	DESCRIPTION	EFFECTIVENESS	IMPLEMENTABILITY	RELATIVE COST	SCREENING EVALUATION
None	No activities taken to address impacted soil.	- Will not achieve site RemAOs. - Not an effective or reliable means to reduce the level of bis(2-Ethylhexyl)phthalate concentrations present in soil within the hot spot area.	- Easily implementable.	- Lowest cost option - no capital or O&M costs	This remedial approach is eliminated since it will not meet site RemAOs.
Monitored Natural Attenuation	Monitoring and documentation of naturally-occurring processes in soil that act without human interaction to reduce the mass, toxicity, mobility, volume, or concentration of contaminants to acceptable levels.	- Will not achieve site RemAOs. - Not an effective or reliable means to reduce the level of bis(2-Ethylhexyl)phthalate concentrations present in soil within the hot spot area within an acceptable timeframe.	- Easily implementable.	- Lowest cost option - no capital or O&M costs	This remedial approach is eliminated since it will not meet site RemAOs.
Institutional Controls	Through land use restrictions, zoning or other legal mechanisms, restrict the use of or exposure to impacted soil. Implementation of an Activity and Use Limitation (AUL) on-site would ensure any future use is adequately protective of human health, public welfare, and the environment.	- Effective and reliable at preventing residential use of the property and controlling human exposure to impacted soil, thus effectively preventing direct exposure of lead-impacted soils within the Soil Staging Area. - This alternative does not treat, reuse, detoxify or recycle impacted material. - This alternative will require implementation of an engineered barrier to achieve site RemAOs.	- Easily implementable.	- Low capital cost - No O&M costs	**This alternative could be an effective means of achieving Site RemAOs and therefore has been retained for further evaluation.**
Engineered Barrier - Low permeability soil cap (containment)	Impacted area is covered with a low permeability cover (i.e. compacted clay, geomembrane, concrete, asphalt, etc.) to prevent exposure to, erosion, and surface migration of impacted soil and reduce infiltration through and leaching of contaminants into groundwater.	- Effective and reliable at preventing human exposure to impacted material but does not completely eliminate the possibility of future migration or dissolution into groundwater. - This alternative does not treat, reuse, detoxify or recycle impacted material. - This alternative will require implementation of institutional controls to achieve site RemAOs.	- Easily implementable. - Services and materials readily available to implement. - Limited impacts to human health and the environment during implementation.	- Moderate capital costs - Low O&M costs	**This alternative could be an effective means of achieving Site RemAOs and therefore has been retained for further evaluation.**
Soil Excavation with Off-site Disposal (and/or Treatment)	The impacted soil is physically removed from the subsurface and transported off-site for treatment and/or disposal at an approved disposal facility.	- Effective and reliable method for eliminating human and ecological exposure to impacted material and preventing future migration since the material is removed from the Site. - Site RemAOs could be achieved with this alternative. - Quick timeframe to reach remedial goals.	- Services and materials readily available to implement. - Feasible given site-specific conditions but Site access constraints impact cost to implement. - Minimal health & safety concerns during implementation; appropriate H&S controls can be utilized.	- High capital cost - No O&M costs	**This alternative could be an effective means of achieving Site RemAOs and therefore has been retained for further evaluation.**

Note: Bold/shaded cells indicate that the remedial alternative was retained for further evaluation.

Table 4a - Detailed Analysis of Remedial Alternatives
Soil Excavation with Off-Site Treatment and Disposal
TLA Holbrook
3 Phillipps Road
Holbrook, Massachusetts

Evaluation Criteria	Evaluation
Comparative Effectiveness (310 CMR 40.0858(1))	- Temporary Solution has already been achieved. - Excavation with off-site disposal (and/or treatment) has potential to achieve a Permanent Solution because impacted soils are permanently removed from the Site. - Alternative does not reuse, recycle, destroy, detoxify or treat the impacted soil; it is designed only to remove the soil from the Site. - Standard technique to remove impacted soil. It is likely that the concentrations will achieve or approach background through implementation.
Short- and Long-Term Reliability (310 CMR 40.0858(2))	- High reliability in short and long-term as impacted soils are removed from the Site. - No wastes, emissions and/or discharges will be generated or discharged in the short or long-term, but transfers the impacts to another location.
Implementability (310 CMR 40.0858(3))	- Technical complexity of alternative lower than other evaluated alternatives. - Demolition or removal of the existing aboveground chemical storage tanks within the hot spot area would be required. - No O&M required after the alternative is implemented, although post-excavation confirmatory sampling will need to be conducted to confirm that the remedial alternative was successful in achieving remedial goals. - The necessary services, materials, equipment and specialists are available to implement. - Off-site disposal facilities are available to implement this alternative.
Cost (310 CMR 40.0858(4))	- Moderate costs relative to other alternatives due to excavation and transportation costs.
Risk (310 CMR 40.0858(5))	- Low risk of wastes, emissions and/or discharges generated or discharged on-site. - Low of transporting the large volume of remediation wastes on public roadways away from the Site. - Low risk for future impacts since the sources will have been removed. - Upon completion of remedial activities, a condition of No Significant Risk will be achieved.
Benefit (310 CMR 40.0858(6))	- Long term benefits include material removal from the Site, eliminating future risks, improving the value of the Site, and providing for productive site reuse potential.
Timeliness (310 CMR 40.0858(7))	- Moderately short timeframe to complete the remedial alternative - the volume of impacted material would require approximately 25 truckloads of impacted soil to be removed from the Site.
Non-Pecuniary Interests (310 CMR 40.0858(8))	- Potentially high traffic impacts to the surrounding area during transport of material off-site. - Moderate energy consumption, air emissions, and carbon footprint.

Table 4b - Detailed Analysis of Remedial Alternatives
Engineered Barrier with Institutional Controls
TLA Holbrook
3 Phillipps Road
Holbrook, Massachusetts

Evaluation Criteria	Evaluation
Comparative Effectiveness (310 CMR 40.0858(1))	- Temporary Solution has already been achieved. - This alternative has potential to achieve a Permanent Solution at the Site since exposure to impacted soils will be prevented and a condition of No Significant Risk of harm to human health, public welfare, safety and the environment can be achieved. Effectiveness is dependent on the design of the engineered barrier (i.e., soil cap) and routine inspection of the barrier to ensure its integrity is maintained for the foreseeable future. - Alternative does not reuse, recycle, destroy, detoxify, or treat OHM at the Site. - Alternative does not reduce levels of untreated OHM at the Site to concentrations that achieve or approach background.
Short- and Long-Term Reliability (310 CMR 40.0858(2))	- Short and long-term reliability of the remedial alternative are high. Eliminating exposure to impacted soils within the Soil Staging Area will achieve a condition of No Significant Risk to be achieved for human health, public welfare, safety, and the environment both in the short-term as well as the long-term, so long as the integrity of the engineered barrier is maintained and the conditions of the institutional controls are met. - No wastes, emissions and/or discharges will be generated or discharged in the short or long-term.
Implementability (310 CMR 40.0858(3))	- This remedial alternative is easily implementable. The technical complexity of the alternative is low. - Demolition or removal of the existing aboveground chemical storage tanks within the hot spot area would be required. - No disposal facilities required. - Post-construction monitoring of soils will not be required to evaluate if the remedial approach was effective. However, routine inspection of the engineered barrier will be required to ensure that its integrity is maintained. A Notice of Activity and Use Limitation (AUL) will need to be recorded with the appropriate registry of deeds that outlines the allowable and prohibited Site uses, as well as the obligations and conditions required to maintain a level of No Significant Risk at the Site. - The necessary services, materials, equipment and specialists are available to implement. - Federal, state, or local permitting and licensure will not be required.
Cost (310 CMR 40.0858(4))	- Significantly lower costs for implementation compared to other evaluated alternatives. - Low costs for environmental restoration; impacts to natural resources will be limited to the hot spot area. - Moderate energy consumption (construction of engineered barrier).
Risk (310 CMR 40.0858(5))	- Low risk of wastes, emissions and/or discharges generated or discharged on-site. - No risk on- or off-site since the contaminated soil will be covered and rendered inaccessible. - Low risk for future impacts since the contaminant will be covered and rendered inaccessible. - Upon completion of remedial activities, a condition of No Significant Risk will be achieved.
Benefit (310 CMR 40.0858(6))	- More sustainable and cost-effective than excavation or stabilization. - Easily implementable with low O&M costs - Less disruptive to local community than excavation or stabilization.
Timeliness (310 CMR 40.0858(7))	- Immediately implementable.
Non-Pecuniary Interests (310 CMR 40.0858(8))	- Moderate disruption to surrounding receptors during construction of engineered barrier due to heavy equipment usage. - Low energy consumption, air emissions, and carbon footprint. - More sustainable/energy efficient than soil removal or stabilization.

TABLE 5

SUMMARY OF EXPOSURE CONDITIONS EVALUATED IN THE RISK CHARACTERIZATION
AND APPLICABLE SOIL AND GROUNDWATER CATEGORIES
3 Philipps Road
Holbrook, Massachusetts

Exposure Condition	Potential Receptors	Relevant Soil Interval	Relevant MCP Soil & Groundwater Categories	
			Soil	***Groundwater***
Current	Trespasser Facility worker	0-3 ft bgs	S-1	GW-1 GW-2 GW-3
Future	Construction / utility worker	3-15 ft bgs	S-3	GW-1 GW-2 GW-3
Future	Resident Construction / utility worker Facility worker Trespasser	0-15 ft bgs	S-1	GW-1 GW-2 GW-3

Notes

ft bgs = Feet below ground surface

MCP = Massachusetts Contingency Plan, 310 CMR 40.0000. Soil and groundwater categories are as defined in 310 CMR 40.0930.

TABLE 6

SUMMARY OF GROUNDWATER ANALYTICAL DATA AND COMPARISON TO APPLICABLE METHOD 1 STANDARDS

3 Philipps Road

Holbrook, Massachussets

Sample Location Identifier:		MCP Method 1 Groundwater Standards			MW-1	MW-2	MW-3	MW-5	MW-6	MW-7SD	MW-7TWB
Sample Date:		GW-1	GW-2	GW-3	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012	12/4/2012
Volatile Organic Compounds											
Trichloroethene	79-01-6	0.005	0.03	5	<0.005	<0.005	<0.005	<0.005	**0.003**	<0.005	<0.005
Extractable Petroleum Hydrocarbons											
Fluorene	86-73-7	0.03	NA	0.04	<0.0002	<0.0002	<0.0002	**0.00021**	<0.0002	<0.0002	<0.0002
Dissolved Metals											
Barium	7440-39-3	2	NA	50	**0.069**	**0.061**	**0.057**	**0.073**	**0.068**	**0.085**	**0.081**

Notes

All concentrations are presented in units of milligrams per liter (mg/L).

Only constituents that were detected at least once are presented.

Bold = Compound is detected above laboratory reporting limit (LRL).

< = Compound was not detected above the LRL shown.

MCP = Massachusetts Contingency Plan, 310 CMR 40.0000.

TABLE 7
SUMMARY OF SOIL ANALYTICAL DATA USED IN THE RISK CHARACTERIZATION
3 Philipps Road
Holbrook, Massachussets

Sample Location Identifier:	S-1	S-5	S-7	S-8	S-8	S-9	S-9	S-10**	S-11	S-11	S-12	S-12	S-13	S-14	S-15
Date:	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006	3/8/2006
Sample Depth (Feet bgs):	0-4	0-4	0-4	0-4	4-8	0-4	4-8	0-4	0-4	4-8	0-4	4-7	0-4	0-4	0-1
Volatile Organic Compounds															
Benzene*	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	**0.035**	<0.028	<0.045
Bromomethane	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028	<0.045
Chlorobenzene	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028	<0.045
Chloromethane	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028	<0.045
Methylene chloride	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	<0.031	<0.028	<0.045
Tetrachloroethene	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	<0.048	<0.046	<0.027	<0.030	**0.17**	<0.028	<0.045
Toluene	<0.032	<0.030	--	<0.039	<0.034	<0.041	<0.047	<0.028	**0.097**	<0.046	<0.027	<0.030	<0.031	<0.028	<0.045
Trichloroethene	<0.032	<0.030	--	**0.2**	<0.034	<0.041	<0.047	<0.028	<0.048	**0.063**	<0.027	<0.030	**1.7**	<0.028	<0.045
Xylenes, Total	<0.063	<0.059	--	<0.078	<0.068	<0.083	<0.094	<0.057	**0.061 J**	<0.093	<0.054	<0.059	<0.061	<0.056	<0.090
Semivolatile Organics															
Benzo(a)anthracene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	**0.062**	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
Benzo(b)fluoranthene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	**0.075**	<0.055	<0.055	<0.054	**0.160**	<0.059
Benzoic acid	<0.770	<0.750	<0.820	<0.810	<0.800	**0.084 J**	<0.790	<0.850	<0.760	<0.850	<0.820	<0.820	<0.800	<0.770	<0.880
bis(2-Ethylhexyl)phthalate	**0.27 B**	**0.55 B**	**5.3 B**	**0.53 B**	**0.27 B**	**1.1 B**	**0.27 B**	**4600 B**	**5.2 B**	**0.5 B**	**6.6 B**	**9.3 B**	**4.6 B**	**0.8 B**	**44 B**
4-Bromophenyl phenyl ether	<0.051	<0.050	<0.055	<0.054	**0.088**	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	**0.1**
Butyl benzyl phthalate	<0.051	<0.050	<0.055	**0.089**	<0.053	**0.230**	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
Chrysene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	**0.070**	<0.055	<0.055	<0.054	**0.057**	<0.059
Di-n-octyl phthalate	<0.150	<0.150	<0.160	<0.160	<0.160	<0.150	<0.160	<0.170	<0.150	<0.170	**0.61**	<0.160	<0.160	<0.150	**6.2**
Di-n-Butylphthalate	**0.42**	**0.23**	**0.33**	**0.42**	**0.56**	**0.42**	**0.23**	**0.32**	**0.21**	**0.38**	**0.35**	**0.41**	**0.32**	**0.19**	**0.27**
1,4-Dichlorobenzene	<0.051	<0.050	**1.3**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
2,6-Dinitrotoluene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
Fluoranthene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	**0.083**	<0.051	**0.088**	<0.055	<0.055	<0.054	<0.052	<0.059
Hexachlorobenzene	<0.051	<0.050	**1.4**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
2-Methylnaphthalene	<0.051	<0.050	**0.073**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	**0.064**	<0.055	<0.055	<0.054	<0.052	**0.075**
4-Methylphenol	<0.051	<0.050	**0.056**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
Naphthalene*	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	**0.075**
Pyrene	<0.051	<0.050	<0.055	<0.054	<0.053	<0.051	<0.053	**0.065**	<0.051	**0.081**	<0.055	<0.055	<0.054	<0.052	<0.059
Phenanthrene	<0.051	<0.050	**0.064**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	**0.110**	<0.055	<0.055	<0.054	<0.052	<0.059
Phenol	**0.19**	**0.18**	**0.24**	**0.26**	**0.22**	**0.17**	**0.17**	**0.26**	**0.27**	**0.24**	**0.33**	**0.07 J**	**0.21**	**0.18**	**0.31**
1,2,4-Trichlorobenzene	<0.051	<0.050	**6.8**	<0.054	<0.053	<0.051	<0.053	<0.057	<0.051	<0.057	<0.055	<0.055	<0.054	<0.052	<0.059
Extractable Petroleum Hydrocarbons															
C19-C36 Aliphatic Hydrocarbons	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
C11-C22 Aromatic Hydrocarbons	<10.0	<10.0	**259**	**16**	<10.0	<10.0	<10.0	**1310**	<10.0	**20**	**150**	**149**	**19**	<10.0	<10.0
Pesticides															
4,4'-DDE	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
4,4'-DDT	<0.01	--	**0.047**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Endrin aldehyde	<0.01	--	<0.01	<0.01	<0.01	**0.057**	<0.01	<0.01	<0.01	<0.01	<0.01	**0.073**	<0.01	<0.01	<0.01
Metals															
Arsenic	< 0.69	**0.79**	**24**	**4.89**	<0.71	<0.67	<0.66	**1.30**	**52**	**4.11**	**0.67**	<0.69	**2.52**	<0.69	**14**
Barium	**16**	**21**	**32**	**36**	**20**	**23**	**27**	**20**	**19**	**57**	**32**	**24**	**25**	**35**	**35**
Cadmium	**0.41**	**0.33**	**0.36**	**0.51**	**0.43**	**0.34**	**0.46**	**0.34**	<0.34	**0.62**	**0.33**	**0.35**	**0.88**	**0.62**	**0.85**
Chromium (total)	**6.93**	**4.69**	**11**	**12**	**5.04**	**7.26**	**11**	**7.51**	**6.59**	**5.82**	**12**	**8.05**	**3.93**	**12**	**16**
Lead	**5.21**	**4.49**	**20**	**6.93**	**4.75**	**5.45**	**4.28**	**5.88**	**58**	**9.16**	**5.15**	**5.41**	**11**	**5.60**	**16**
Mercury	<0.061	<0.064	<0.071	<0.066	<0.068	<0.069	<0.069	<0.076	<0.059	<0.075	<0.066	<0.060	<0.065	<0.068	<0.081
Silver	<0.34	<0.33	<0.36	<0.36	<0.35	<0.34	<0.33	<0.34	<0.34	<0.39	<0.33	<0.35	<0.29	<0.35	<0.38

Notes:
All concentrations are presented in units of milligrams per kilogram (mg/kg).
Only constituents that were detected at least once are presented.
Bold = Compound is detected above laboratory reporting limit (LRL).
< = Compound was not detected above the LRL shown.
J = Result is estimated below the LRL.
B = Compound was detected in the laboratory blank.
NS = No standard available.
* Compound was analyzed via multiple methods. The maximum detected concentration or minimum LRL (if all results are non-detect) is presented.
** Sample S-10 has been identified as a hot spot due to elevated concentrations of bis(2-ethylhexyl) phthalate and C11-22 aromatic hydrocarbons.

TABLE 7
SUMMARY OF SOIL ANALYTICAL DATA USED IN THE RISK CHARACTERIZATION
3 Philipps Road
Holbrook, Massachussets

Sample Location Identifier:	S-17	MW-1	MW-2	MW-4	B-4	B-4	B-2	B-2	B-5	B-5	SAB-1	SAB-3B	B-1	SAB-2
Date:	3/8/2006	3/9/2006	3/9/2006	3/9/2006	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009	6/8/2009
Sample Depth (Feet bgs):	0-4	0-7	5-7	5-7	0-6	6-10	0-6	6-10	0-6	6-10	0-4	0-6	0-6	0-6
Volatile Organic Compounds														
Benzene*	<0.3	<0.033	<0.023	<0.029	--	--	<0.0018	<0.00078	<0.0010	<0.059	--	<0.0011	<0.0018	<0.0012
Bromomethane	--	**0.100**	**0.080**	**0.087**	--	--	<0.0036	<0.0016	<0.0021	<0.120	--	<0.0023	<0.0036	<0.0025
Chlorobenzene	--	<0.033	<0.023	**0.050**	--	--	<0.0018	<0.00078	<0.0010	<0.059	--	<0.0011	<0.0018	<0.0012
Chloromethane	--	**0.048**	**0.030**	**0.040**	--	--	<0.0090	<0.0039	<0.0052	<0.300	--	<0.0057	<0.0090	<0.0062
Methylene chloride	--	**0.310**	<0.023	<0.029	--	--	<0.018	<0.0078	<0.010	<0.590	--	<0.011	<0.018	<0.012
Tetrachloroethene	--	<0.033	<0.023	<0.029	--	--	<0.0018	<0.00078	<0.0010	<0.059	--	<0.0011	<0.0018	<0.0012
Toluene	<0.3	<0.033	<0.023	<0.029	--	--	<0.0027	<0.0012	<0.0016	<0.089	--	<0.0017	<0.0027	<0.0019
Trichloroethene	--	**0.150**	<0.023	<0.029	--	--	<0.0018	<0.00078	<0.0010	<0.059	--	<0.0011	<0.0018	<0.0012
Xylenes, Total	<0.6	<0.066	<0.046	<0.058	--	--	<0.0036	<0.0016	<0.0021	<0.120	--	<0.0023	<0.0036	<0.0025
Semivolatile Organics														
Benzo(a)anthracene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Benzo(b)fluoranthene	--	<0.060	<0.050	<0.054	**0.42**	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Benzoic acid	--	<0.890	<0.750	<0.054	--	--	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	**1.1 B**	**6.4 B**	**0.29 B**	<0.720	<0.760	--	--	**1.3 B**	<0.720	--	<0.720	**7.5 B**	<0.730
4-Bromophenyl phenyl ether	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Butyl benzyl phthalate	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Chrysene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Di-n-octyl phthalate	--	<0.180	<0.150	<0.160	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Di-n-Butylphthalate	--	**0.57**	**0.36**	**0.52**	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
1,4-Dichlorobenzene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
2,6-Dinitrotoluene	--	<0.060	<0.050	**0.480**	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Fluoranthene	--	**0.069**	<0.050	<0.054	**0.560**	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Hexachlorobenzene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
2-Methylnaphthalene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
4-Methylphenol	--	<0.060	<0.050	<0.054	--	--	--	--	--	--	--	--	--	--
Naphthalene*	--	<0.060	<0.050	<0.054	<0.360	<0.379	--	--	<0.360	<0.360	--	<0.360	<0.347	<0.370
Pyrene	--	<0.060	<0.050	<0.054	**0.500**	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Phenanthrene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Phenol	--	**0.17**	**0.11**	**0.094 J**	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	--	<0.060	<0.050	<0.054	<0.360	<0.380	--	--	<0.360	<0.360	--	<0.360	<0.350	<0.370
Extractable Petroleum Hydrocarbons														
C19-C36 Aliphatic Hydrocarbons	<10.0	**24**	<10.0	<10.0	**41.4**	<7.58	--	--	**16.1**	<7.25	--	--	<6.94	--
C11-C22 Aromatic Hydrocarbons	**21**	**19**	<10.0	<10.0	**53.5**	<7.58	--	--	**19.4**	<7.25	--	--	**8.45**	--
Pesticides														
4,4'-DDE	--	**0.012**	<0.01	--	<0.0036	--	<0.0036	--	<0.0036	--	--	<0.0036	<0.0035	--
4,4'-DDT	--	**0.017**	<0.01	--	<0.0036	--	<0.0036	--	<0.0036	--	--	<0.0036	<0.0035	--
Endrin aldehyde	--	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--
Metals														
Arsenic	**3.49**	**1.04**	<0.67	**1.25**	--	**1.7**	--	--	--	--	**2.5**	--	**2.1**	--
Barium	**61**	**34**	**23**	**21**	--	**27**	--	--	--	--	**27**	--	**24**	--
Cadmium	**0.84**	**0.52**	**0.47**	**0.42**	--	<0.44	--	--	--	--	<0.43	--	<0.42	--
Chromium (total)	**13**	11	**7.56**	**6.6**	--	**20**	--	--	--	--	**21**	--	**6.9**	--
Lead	**9.55**	**23**	**5.08**	**10**	--	**5.3**	--	--	--	--	**8.5**	--	**6.2**	--
Mercury	<0.061	**0.062**	<0.061	<0.069	--	<0.09	--	--	--	--	<0.08	--	<0.08	--
Silver	<0.35	<0.37	<0.33	<0.35	--	<0.44	--	--	--	--	**0.61**	--	<0.42	--

Notes:
All concentrations are presented in units of milligrams per kilogram (mg/kg).
Only constituents that were detected at least once are presented.
Bold = Compound is detected above laboratory reporting limit (LRL).
< = Compound was not detected above the LRL shown.
J = Result is estimated below the LRL.
B = Compound was detected in the laboratory blank.
NS = No standard available.
* Compound was analyzed via multiple methods. The maximum detected concentration or minimum LRL (if all results are non-detect) is presented.
** Sample S-10 has been identified as a hot spot due to elevated concentrations of bis(2-ethylhexyl) phthalate and C11-22 aromatic hydrocarbons.

TABLE 8
SUMMARY STATISTICS FOR SOIL ANALYTICAL DATA USED IN THE RISK CHARACTERIZATION
3 Philipps Road
Holbrook, Massachussets

		Number of Detects / Number of Samples	Frequency of Detection	Minimum Detected Concentration	Maximum Detected Concentration	Location of Maximum Detect	Average Concentration*	Selected as a COPC?**
Volatile Organic Compounds								
Benzene	71-43-2	1 / 25	4%	0.035	0.035	S-13	0.015	No
Bromomethane	74-83-9	3 / 24	13%	0.08	0.1	MW-1	0.024	**Yes**
Chlorobenzene	108-90-7	1 / 24	4%	0.05	0.05	MW-4	0.015	No
Chloromethane	74-87-3	3 / 24	13%	0.03	0.048	MW-1	0.017	**Yes**
Methylene Chloride	75-09-2	1 / 24	4%	0.31	0.31	MW-1	0.038	No
Tetrachloroethene	127-18-4	1 / 24	4%	0.17	0.17	S-13	0.020	No
Toluene	108-88-3	1 / 25	4%	0.097	0.097	S-11	0.017	No
Trichloroethene	79-01-6	4 / 24	17%	0.063	1.7	S-13	0.099	**Yes**
Xylenes, Total	179601-23-1	1 / 25	4%	0.061	0.061	S-11	0.028	No
Semivolatile Organics								
Benzo(a)anthracene	56-55-3	1 / 25	4%	0.062	0.062	S-10	0.062	**Yes**
Benzo(b)fluoranthene	205-99-2	3 / 25	12%	0.075	0.42	B-4	0.087	**Yes**
Benzoic acid	65-85-0	1 / 18	6%	0.084	0.084	S-9	0.179	**Yes**
bis(2-Ethylhexyl)phthalate	117-81-7	20 / 25	80%	0.27	4600	S-10	188	**Yes**
4-Bromophenyl phenyl ether	101-55-3	2 / 25	8%	0.088	0.1	S-15	0.034	**Yes**
Butyl benzyl phthalate	85-68-7	2 / 25	8%	0.089	0.23	S-9	0.081	**Yes**
Chrysene	218-01-9	2 / 25	8%	0.057	0.07	S-11	0.031	**Yes**
Di-n-octyl phthalate	117-84-0	2 / 25	8%	0.61	6.2	S-15	0.374	**Yes**
Di-n-Butylphthalate	84-74-2	18 / 25	72%	0.19	0.57	MW-1	0.311	**Yes**
1,4-Dichlorobenzene	106-46-7	1 / 25	4%	1.3	1.3	S-7	0.121	No
2,6-Dinitrotoluene	606-20-2	1 / 25	4%	0.48	0.48	MW-4	0.088	No
Fluoranthene	206-44-0	4 / 25	16%	0.069	0.56	B-4	0.092	**Yes**
Hexachlorobenzene	118-74-1	1 / 25	4%	1.4	1.4	S-7	0.125	No
2-Methylnaphthalene	91-57-6	3 / 25	12%	0.064	0.075	S-15	0.034	**Yes**
4-Methylphenol	106-44-5	1 / 18	6%	0.056	0.056	S-7	0.029	**Yes**
Naphthalene	91-20-3	1 / 25	4%	0.075	0.075	S-15	0.03	No
Pyrene	129-00-0	3 / 25	12%	0.065	0.5	B-4	0.087	**Yes**
Phenanthrene	85-01-8	2 / 25	8%	0.064	0.11	S-11	0.034	**Yes**
Phenol	108-95-2	18 / 18	100%	0.07	0.33	S-12	0.204	**Yes**
1,2,4-Trichlorobenzene	120-82-1	1 / 25	4%	6.8	6.8	S-7	0.341	No
Extractable Petroleum Hydrocarbons								
C19-C36 Aliphatic Hydrocarbons	NA_c19-36	3 / 24	13%	16.1	41.4	B-4	7.60	**Yes**
C11-C22 Aromatic Hydrocarbons	NA_c11-22	12 / 24	50%	8.45	1310	S-10	87.6	**Yes**
Pesticides								
4,4'-DDE	72-55-9	1 / 21	5%	0.012	0.012	MW-1	0.0046	No
4,4'-DDT	50-29-3	2 / 21	10%	0.017	0.047	S-7	0.0068	**Yes**
Endrin aldehyde	7421-93-4	2 / 16	13%	0.057	0.073	S-12	0.0125	**Yes**
Metals								
Arsenic	7440-38-2	15 / 22	68%	0.67	52	S-11	5.40	**Yes**
Barium	7440-39-3	22 / 22	100%	16	61	S-17	29.0	**Yes**
Cadmium	7440-43-9	18 / 22	82%	0.33	0.88	S-13	0.450	**Yes**
Chromium (total)	7440-47-3	21 / 22	95%	3.93	21	SAB-1	9.76	**Yes**
Lead	7439-92-1	22 / 22	100%	4.28	58	S-11	10.7	**Yes**
Mercury	7439-97-6	1 / 22	5%	0.062	0.062	MW-1	0.036	No
Silver	7440-22-4	1 / 22	5%	0.61	0.61	SAB-1	0.197	No

Notes:

All concentrations are presented in units of milligrams per kilogram (mg/kg).

Only constituents that were detected at least once are presented.

* The average concentration is the arithmetic mean of all detected concentrations and 1/2 the laboratory reporting limit for non-detect results, except where the LRL exceeds two times the maximum detected concentration.

** COPC = Constituent of Potential Concern. Constituents detected at a frequency ≤ 5% were eliminated as COPCs if there was a minimum of 20 sample results. Benzo(a)anthracene was retained as a COPC despite having a frequency of detection < 5% because it was detected in sample S-10, which was identified as a Hot Spot and evaluated separately from other samples.

TABLE 9
DERIVATION OF METHOD 2 GW-1 GROUNDWATER STANDARDS
3 Philipps Road
Holbrook, Massachusetts

310 CMR 40.0983(2a): Noncancer GW-1 Standards

$[OHM]_{gw} = (RfD_{chronic} * 7000) / RAF_o$

310 CMR 40.0983(2b): Cancer GW-1 Standards

$[OHM]_{gw} = 0.035 / (CSF * RAF_o)$

Where:
$[OHM]_{gw}$ = Risk-based concentration of oil and/or hazardous material (ug/L)
$RfD_{chronic}$ = Chronic oral reference dose (mg/kg-d)
CSF = Oral cancer slope factor $((mg/kg-d)^{-1})$
RAF_o = Oral relative absorption factor
7000 = Average daily exposure factors and 20% risk allocation factor (noncancer)
0.035 = Average daily exposure factors and 10^{-6} target cancer risk

Constituent of Potential Concern	$RfD_{chronic}$		CSF		RAF_o[c]	Noncancer Risk-Based Concentration $[OHM]_{gw}$	Cancer Risk-Based Concentration $[OHM]_{gw}$	Lowest Risk-Based Concentration $[OHM]_{gw}$	Ceiling Level[d]	Lowest Value: Target GW Concentration, Ceiling Level	Practical Quantitation Limit[e] (PQL)	Highest Value: PQL, GW/Ceiling Concentration	**Method 2 GW-1 Standards[f]**	
	(mg/kg-d)	Source[a]	$((mg/kg-d)^{-1})$	Source	(unitless)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	**(ug/L)**	**Basis**
Chloromethane	NA	--	NA	--	1	--	--	--	50,000	50,000	5	50,000	**50,000**	**Ceiling Level**
Benzoic Acid	4	IRIS	NA	--	1	28000	--	28000	50,000	28,000	50	28,000	**30,000**	**Noncancer Risk**
4-Bromophenyl phenyl ether	NA	--	NA	--	2	--	--	--	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**
Butyl benzyl phthalate	0.2	IRIS	NA	--	3	467	--	467	50,000	467	10	467	**500**	**Noncancer Risk**
Di-n-octyl phthalate	0.1	IRIS[b]	NA	--	1	700	--	700	50,000	700	10	700	**700**	**Noncancer Risk**
Di-n-butyl phthalate	0.1	IRIS	NA	--	1	700	--	700	50,000	700	10	700	**700**	**Noncancer Risk**
4-Methylphenol	0.005	HEAST	NA	--	1	35	--	35	50,000	35	10	35	**40**	**Noncancer Risk**

Notes
mg/kg-d = Milligrams per kilogram per day
ug/L = Micrograms per liter
NA = No toxicological value available
-- = Not applicable or not calculated due to lack of toxicological information.
a. Sources for toxicological values:
IRIS = United States Environmental Protection Agency (US EPA) Integrated Risk Information System (IRIS), online at www.epa.gov/iris. Values current as of December 2012.
HEAST = USEPA Health Effects Assessment Summary Tables. July 1997. EPA 540/R-97-036.
b. Toxicity value for di-n-butyl phthalate was applied to di-n-octyl phthalate.
c. A default oral absorption factor of one (1) was applied to all constituents in accordance with: USEPA 2004. Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. EPA/540/99/005.
d. The ceiling concentration for Method 2 groundwater standards is specified in 310 CMR 40.0983(5).
e. Practical Quantitation Limits are obtained from:
USEPA Method 8260B: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 2, December 2006.
USEPA Method 8270D: Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 4, February 2007.
f. Final Method 2 standards are rounded to one significant figure.

TABLE 10a
CALCULATION OF THE INFINITE SOURCE INDOOR ATTENUATION COEFFICIENT (α)
3 Philipps Road
Holbrook, Massachusetts

OIL OR HAZARDOUS MATERIAL	Enthalpy of vaporization at ave. groundwater temperature, $\Delta H_{v,TS}$ (cal/mol)	Henry's law constant at ave. groundwater temperature, H_{TS} (atm-m^3/mol)	Henry's law constant at ave. groundwater temperature, H'_{TS} (unitless)	Stratum A effective diffusion coefficient, D^{eff}_A (cm^2/s)	Capill. Zone effective diffusion coefficient, D^{eff}_{cz} (cm^2/s)	Total effective diffusion coefficient, D^{eff}_T (cm^2/s)	Crack effective diffusion coefficient, D^{crack} (cm^2/s)	Exponent of equivalent foundation Peclet # exp(Pe^f) (unitless)	Infinite source indoor attenuation coefficient, α (unitless)
Benzoic Acid	16,083	9.04E-09	3.89E-07	2.57E-02	3.12E+00	4.51E-01	2.57E-02	2.10E+43	1.16E-03
Chloromethane	4,780	5.75E-03	2.48E-01	2.45E-02	4.41E-04	1.61E-03	2.45E-02	3.43E+45	3.54E-04
Cresol, p-	14,963	2.62E-07	1.13E-05	1.47E-02	9.70E-02	1.52E-01	1.47E-02	1.03E+76	1.14E-03
Dibutyl Phthalate	23,297	2.25E-07	9.70E-06	4.47E-03	6.26E-02	6.01E-02	4.47E-03	2.02E+249	1.10E-03
Butyl Benzyl Phthlate	17,106	2.73E-07	1.17E-05	4.31E-03	5.17E-02	5.55E-02	4.31E-03	4.01E+258	1.09E-03
p-Bromophenyl phenyl ether	16,385	1.08E-05	4.66E-04	9.37E-03	1.80E-03	6.33E-03	9.37E-03	6.43E+118	7.37E-04

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TABLE 10b
DERIVATION OF METHOD 2 GW-2 GROUNDWATER STANDARDS
3 Philipps Road
Holbrook, Massachusetts

310 CMR 40.0983(3a): Noncancer Target Air Concentrations

$[OHM]_{air} = RfC_{chronic} * 0.2 * C$

310 CMR 40.0983(3a): Cancer Target Air Concentrations

$[OHM]_{air} = 10^{-6} / UR$

310 CMR 40.0983(3d): Target GW-2 Groundwater Standards

$[OHM]_{gw} = [OHM]_{air} / (\alpha * H * C * d)$

Where:
$[OHM]_{air}$ = Risk-based concentration of oil and/or hazardous material (ug/m^3)
$RfC_{chronic}$ = Chronic oral reference concentration (mg/m^3)
UR = Unit risk ($(\mu g/m^3)^{-1}$)
0.2 = Source allocation factor
10^{-6} = One in one-million excess lifetime cancer risk
C = Units conversion factor, 1000 ug = 1 mg

Where:
$[OHM]_{gw}$ = Calculated GW-2 groundwater standard (ug/L)
α = Source attenuation factor (calculated)
H_{OHM} = Henry's Law Constant
d = Applied dilution/attenuation factor equal to 0.1.
C = Units conversion factor, 1000 L/m^3

Constituent of Potential Concern	$RfC_{chronic}$		UR		Noncancer Risk-Based Concentration $[OHM]_{air}$	Cancer Risk-Based Concentration $[OHM]_{air}$	Lowest Risk-Based Concentration $[OHM]_{air}$	Background Concentration	Highest Value: Background, Risk-Based Concentration	Source Attenuation Factor[b] (α)	Henry's Law Constant[c] (H_{OHM})		Target Groundwater Concentration $[OHM]_{gw}$	Ceiling Level[d]	Lowest Value: Target GW Concentration, Ceiling Level	Practical Quantitation Limit[e] (PQL)	Highest Value: PQL, GW/Ceiling Concentration	**Method 2 GW-2 Standards[f]**	
	(mg/m^3)	Source[a]	($(ug/m^3)^{-1}$)	Source	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(ug/m^3)	(unitless)	(unitless)	($atm\text{-}m^3/mol$)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	**(ug/L)**	**Basis**
Chloromethane	0.09	IRIS	NA	--	18	--	18	--	18	3.54E-04	3.61E-01	8.82E-03	1411	50,000	1411	5	1,411	**1,000**	**Noncancer Risk**
Benzoic Acid	NA	--	NA	--	--	--	--	--	--	1.16E-03	1.56E-06	3.81E-08	NV	50,000	50,000	50	50,000	**50,000**	**Ceiling Level**
4-Bromophenyl phenyl ether	NA	--	NA	--	--	--	--	--	--	7.37E-04	1.93E-03	4.69E-05	--	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**
Butyl benzyl phthalate	NA	--	NA	--	--	--	--	--	--	1.09E-03	5.15E-05	1.26E-06	NV	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**
Di-n-octyl phthalate	NA	--	NA	--	--	--	--	--	--	1.10E-03	7.40E-05	1.81E-06	NV	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**
Di-n-butyl phthalate	NA	--	NA	--	--	--	--	--	--	1.10E-03	7.40E-05	1.81E-06	NV	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**
4-Methylphenol	NA	--	NA	--	--	--	--	--	--	1.14E-03	4.09E-05	1.00E-06	NV	50,000	50,000	10	50,000	**50,000**	**Ceiling Level**

Notes
mg/m^3 = Milligrams per cubic meter
ug/L = Micrograms per liter
$atm\text{-}m^3/mol$ = Atmosphere-cubic meter per mole
NA = No reference value available
NV = Constituent is not volatile, defined as having a Henry's Law constant of is less than 10^{-5} $atm\text{-}m^3/mole$
-- = Not applicable or not calculated due to lack of toxicological information.
a. Source for toxicological values:
IRIS = United States Environmental Protection Agency (US EPA) Integrated Risk Information System (IRIS), online at www.epa.gov/iris. Values current as of December 2012.
b. The source attenuation factor for each constituent is calculated using MassDEP, Bureau of Waste Site Cleanup and Office of Research and Standards (ORS), Workbook: MCP GW2 alpha.xls, December 2009.
c. Henry's Law constants were obtained from EPI Suite software. EPI Suite = Estimation Programs Interface Suite ™ for Microsoft® Windows, version 4.10 (January 2011). United States Environmental Protection Agency, Washington, DC, USA.
d. The ceiling concentration for Method 2 groundwater standards is specified in 310 CMR 40.0983(5).
e. Practical Quantitation Limits are obtained from:
USEPA Method 8260B: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 2, December 2006.
USEPA Method 8270D: Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 4, February 2007.
f. Final Method 2 standards are rounded to one significant figure.

TABLE 11
DERIVATION OF METHOD 2 GW-3 GROUNDWATER STANDARDS
3 Philipps Road
Holbrook, Massachusetts

310 CMR 40.0983(4): Target GW-3 Groundwater Standards

$[OHM]_{gw} = [OHM]_{sw} * D_{sw} * AF$

Where:
$[OHM]_{gw}$ = Calculated GW-3 groundwater standard (ug/L)
$[OHM]_{sw}$ = Lowest ecologically-based surface water concentration (ug/L)
D_{sw} = Surface water dilution factor
AF = MCP attenuation factor based on the organic carbon partition coefficient (Koc) value
- If Koc < 1,000, AF = 2.5
- If 1000 ≤ Koc < 100,000, AF = 25
- If Koc ≥ 100,000, AF = 100

Constituent of Potential Concern	Ecologically Based Surface Water Concentration $[OHM]_{sw}$		Dilution Factor (D_{SW})	Koc[c]	MCP Attenuation Factor (AF)	Target Groundwater Concentration $[OHM]_{gw}$	Ceiling Level[d]	Lowest Value: Target GW Concentration, Ceiling Level	Practical Quantitation Limit[e] (PQL)	Highest Value: PQL, GW/Ceiling Concentration	**Method 2 GW-2 Standards[f]**	
	(ug/L)	Source[a]	(unitless)	(L/kg)	(unitless)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	**(ug/L)**	**Basis**
Chloromethane	2700	(1)	10	13.2	2.5	67,500	50,000	50,000	5	50,000	**50,000**	**Ceiling Level**
Benzoic Acid	42	(2)	10	16.6	2.5	1,050	50,000	1,050	50	1,050	**1,000**	**Ecologically-Based Concentration**
4-Bromophenyl phenyl ether	1.5	(2)	10	3077	25	375	50,000	375	10	375	**400**	**Ecologically-Based Concentration**
Butyl benzyl phthalate	19	(2)	10	7155	25	4,750	50,000	4,750	10	4,750	**5,000**	**Ecologically-Based Concentration**
Di-n-octyl phthalate	35	(2)[b]	10	1460	25	8,750	50,000	8,750	10	8,750	**9,000**	**Ecologically-Based Concentration**
Di-n-butyl phthalate	35	(2)	10	1157	25	8750	50,000	8750	10	8,750	**9,000**	**Ecologically-Based Concentration**
4-Methylphenol	25	(3)	10	300	2.5	625	50,000	625	10	625	**600**	**Ecologically-Based Concentration**

Notes
ug/L = Micrograms per liter
L/kg = Liters per kilogram
a. Sources for ecologically-based surface water values:
(1) USEPA Region III Biological Technical Assistance Group (BTAG) Marine Screening Benchmark (RAIS 2012)
(2) Tier II Secondary Chronic Value (Suter & Tsao 1996)
(3) USEPA Region 5 Ecological Screening Levels (RAIS 2012)
References
Suter, G.W. , II, and C.L. Tsao. 1996. Toxicological Benchmarks for Screening Potential Contaminants of Concern for Effects on Aquatic Biota: 1996 Revision. Oak Ridge National Laboratory, Oak Ridge, TN. 104pp. ES/ER/TM-96/R2.
RAIS: Oak Ridge National Laboratory Risk Assessment Information System. Ecological Benchmark Tool. Searched January 2013. Available online at: http://rais.ornl.gov/tools/eco_search.php
b. Ecological surface water value for di-n-butyl phthalate was applied to di-n-octyl phthalate.
c. Organic carbon partition coefficients were obtained from EPI Suite software. EPI Suite = Estimation Programs Interface Suite™ for Microsoft® Windows, version 4.10 (January 2011). United States Environmental Protection Agency, Washington, DC, USA.
d. The ceiling concentration for Method 2 groundwater standards is specified in 310 CMR 40.0983(5).
e. Practical Quantitation Limits are obtained from:
USEPA Method 8260B: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 2, December 2006.
USEPA Method 8270D: Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 4, February 2007.
f. Final Method 2 standards are rounded to one significant figure.

TABLE 12

DERIVATION OF LEACHING-BASED SOIL STANDARDS[a]

3 Philipps Road

Holbrook, Massachusetts

$DAF_{OHM} = (6207 * H_{OHM}) + (0.166 * Koc)$

$[OHM]_{soil} = DAF_{OHM} * [OHM]_{gw} * C$

Where:

DAF_{OHM} = Dilution/Attenuation Factor
H_{OHM} = Henry's Law Constant (atm-m^3/mol)
Koc = Organic carbon partition coefficient (L/kg)
$[OHM]_{gw}$ = Target groundwater concentration (ug/L)
C = Units conversion factor, 0.001 mg = 1 ug.
$[OHM]_{soil}$ = Leaching-based soil concentration (mg/kg)

Constituent of Potential Concern	CASRN	Henry's Law Constant[b] (H_{OHM})	Koc[b]	DAF_{OHM}	GW-1	GW-2	GW-3	**$[OHM]_{soil}$ GW-1**	**$[OHM]_{soil}$ GW-2**	**$[OHM]_{soil}$ GW-3**
		(atm-m^3/mol)	(L/kg)	(unitless)	(ug/L)	(ug/L)	(ug/L)	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**
Chloromethane	74-87-3	8.82E-03	13.22	56.9	50000	1000	50000	**2847**	**56.9**	**2847**
Benzoic Acid	65-85-0	3.81E-08	16.55	2.75	30000	50000	1000	**82.4**	**137**	**2.75**
4-Bromophenyl phenyl ether	101-55-3	4.69E-05	3077	511	50000	50000	400	**25554**	**25554**	**204**
Butyl benzyl phthalate	85-68-7	1.26E-06	7155	1188	500	50000	5000	**594**	**59387**	**5939**
Di-n-octyl phthalate	117-84-0	1.81E-06	1460	242	700	50000	9000	**170**	**12119**	**2181**
Di-n-butyl phthalate	84-74-2	1.81E-06	1157	192	700	50000	9000	**134**	**9604**	**1729**
4-Methylphenol	106-44-5	1.00E-06	300.4	49.9	40	50000	600	**1.99**	**2494**	**29.9**

Notes

ug/L = Micrograms per liter

mg/kg = Milligrams per kilogram

atm-m^3/mol = Atmosphere-cubic meter per mole

-- = Not applicable. A standard for the indicated groundwater category was not calculated for this constituent.

a. Standards are calculated based on equations 11 and 12 in: Massachusetts Department of Environmental Protection (MassDEP). 1994. Background Documentation for the Development of MCP Numerical Standards. Bureau of Waste Site Cleanup and Office of Research and Standards, Boston, MA. April, 1994.

b. Henry's Law constants and Koc values were obtained from EPI Suite software. EPI Suite = Estimation Programs Interface Suite ™ for Microsoft® Windows, version 4.10 (January 2011). United States Environmental Protection Agency, Washington, DC, USA.

TABLE 13
DERIVATION OF METHOD 2 DIRECT CONTACT SOIL STANDARDS FOR S-1 SOILS
3 Philipps Road
Holbrook, Massachusetts

310 CMR 40.0984(2a): Noncancer S-1 Standards

$[OHM]_{soil} = (RfD_{chronic} * 0.2 * C) / ((RAF_o * 2.4) + (RAF_d * 21))$

310 CMR 40.0984(3a): Cancer S-1 Standards

$[OHM]_{soil} = (10^{-6} * C) / (CSF * ((RAF_o * 0.38) + (RAF_d * 4.1))$

Where:
$[OHM]_{soil}$ = Risk-based concentration of oil and/or hazardous material
$RfD_{chronic}$ = Chronic oral reference dose (mg/kg-d)
CSF = Oral cancer slope factor $((mg/kg\text{-}d)^{-1})$
RAF_o = Oral relative absorption factor
RAF_d = Dermal relative absorption factor
0.2 = Source allocation factor
10^{-6} = Target Cancer Risk
C = Units conversion factor, 100,000 mg = 1 kg
Other numerical values = Average daily exposure factors

Constituent of Potential Concern	CASRN	$RfD_{chronic}$		CSF		RAF_o[c]	RAF_d[c]	Noncancer Risk-Based Concentration $[OHM]_{soil}$	Cancer Risk-Based Concentration $[OHM]_{soil}$	**Lowest Risk-Based Concentration $[OHM]_{soil}$**
		(mg/kg-d)	Source[a]	$((mg/kg\text{-}d)^{-1})$	Source			(mg/kg)	(mg/kg)	**(mg/kg)**
Chloromethane	74-87-3	NA	--	NA	--	1	1	--	--	**--**
Benzoic Acid	65-85-0	4	IRIS	NA	--	1	0.1	177,778	--	**177,778**
4-Bromophenyl phenyl ether	101-55-3	NA	--	NA	--	1	0.1	--	--	**--**
Butyl benzyl phthalate	85-68-7	0.2	IRIS	NA	--	1	0.1	8,889	--	**8,889**
Di-n-octyl phthalate	117-84-0	0.1	IRIS[b]	NA	--	1	0.1	4,444	--	**4,444**
Di-n-butyl phthalate	84-74-2	0.1	IRIS	NA	--	1	0.1	4,444	--	**4,444**
4-Methylphenol	106-44-5	0.005	HEAST	NA	--	1	0.1	222	--	**222**

Notes
mg/kg-d = Milligrams per kilogram per day
NA = No toxicity information available.
-- = Not applicable or not calculated due to lack of toxicological information.
a. Sources for toxicological values:
IRIS = United States Environmental Protection Agency (US EPA) Integrated Risk Information System (IRIS), online at www.epa.gov/iris. Values current as of December 2012.
HEAST = USEPA Health Effects Assessment Summary Tables. July 1997. EPA 540/R-97-036.
b. Toxicity value for di-n-butyl phthalate was applied to di-n-octyl phthalate.
c. Relative absorption factors were obtained from: USEPA 2004. Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. EPA/540/99/005.

TABLE 14
DERIVATION OF METHOD 2 DIRECT CONTACT SOIL STANDARDS FOR S-3 SOILS
3 Philipps Road
Holbrook, Massachusetts

310 CMR 40.0984(2c): Noncancer S-3 Standards

$[OHM]_{soil} = (RfD_{subchronic} * 0.2 * C) / ((RAF_o * 1.3) + (RAF_d * 12.4))$

310 CMR 40.0984(3a): Cancer S-3 Standards

$[OHM]_{soil} = (10^{-6} * C) / (CSF * ((RAF_o * 0.01) + (RAF_d * 0.09))$

Where:
$[OHM]_{soil}$ = Risk-based concentration of oil and/or hazardous material
$RfD_{subchronic}$ = Subchronic oral reference dose (mg/kg-d)
CSF = Oral cancer slope factor $((mg/kg\text{-}d)^{-1})$
RAF_o = Oral relative absorption factor
RAF_d = Dermal relative absorption factor
0.2 = Source allocation factor
10^{-6} = Target Cancer Risk
C = Units conversion factor, 100,000 mg = 1 kg
Other numerical values = Average daily exposure factors

Constituent of Potential Concern	CASRN	$RfD_{subchronic}$		CSF		RAF_o [c]	RAF_d [c]	Noncancer Risk-Based Concentration $[OHM]_{soil}$	Cancer Risk-Based Concentration $[OHM]_{soil}$	**Lowest Risk-Based Concentration $[OHM]_{soil}$**
		(mg/kg-d)	Source[a]	$((mg/kg\text{-}d)^{-1})$	Source			(mg/kg)	(mg/kg)	**(mg/kg)**
Chloromethane	74-87-3	NA	--	NA	--	1	1	--	--	--
Benzoic Acid	65-85-0	4	IRIS	NA	--	1	0.1	314,961	--	314,961
4-Bromophenyl phenyl ether	101-55-3	NA	--	NA	--	1	0.1	--	--	--
Butyl benzyl phthalate	85-68-7	0.2	IRIS	NA	--	1	0.1	15,748	--	15,748
Di-n-octyl phthalate	117-84-0	0.1	IRIS[b]	NA	--	1	0.1	7,874	--	7,874
Di-n-butyl phthalate	84-74-2	0.1	IRIS	NA	--	1	0.1	7,874	--	7,874
4-Methylphenol	106-44-5	0.005	HEAST	NA	--	1	0.1	394	--	394

Notes
mg/kg-d = Milligrams per kilogram per day
NA = No toxicity information available.
-- = Not applicable or not calculated due to lack of toxicological information.
a. Sources for toxicological values:
IRIS = United States Environmental Protection Agency (US EPA) Integrated Risk Information System (IRIS), online at www.epa.gov/iris. Values current as of December 2012.
HEAST = USEPA Health Effects Assessment Summary Tables. July 1997. EPA 540/R-97-036.
b. Toxicity value for di-n-butyl phthalate was applied to di-n-octyl phthalate.
c. Relative absorption factors were obtained from: USEPA 2004. Risk Assessment Guidance for Superfund Volume 1: Human Health Evaluation Manual (Part E, Supplemental Guidance for Dermal Risk Assessment), Final. EPA/540/99/005.

TABLE 15
DERIVATION OF METHOD 2 S-1 SOIL STANDARDS BY GROUNDWATER CATEGORY
3 Philipps Road
Holbrook, Massachusetts

Constituent of Potential Concern	CASRN	Risk-Based Direct Contact Concentration	Leaching-Based Concentration			Vapor Pressure	$ORL_{50\%}$[a]	Odor Index[b]	Ceiling Level[c]	Lowest Value: Risk-Based, Leaching, Ceiling Level		
		S-1	GW-1	GW-2	GW-3					S-1/GW-1	S-1/GW-2	S-1/GW-3
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(Torr)	(ppm)	(unitless)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	74-87-3	--	2,847	56.9	2,847	4300	10.2	422	100	100	56.9	100
Benzoic Acid	65-85-0	177,778	82.4	137.4	2.75	0.0007	NA	NA	1,000	82.4	137	2.75
4-Bromophenyl phenyl ether	101-55-3	--	25,554	25,554	204	0.0015	NA	NA	1,000	1,000	1,000	204
Butyl benzyl phthalate	85-68-7	8,889	594	59,387	5,939	0.0000083	NA	NA	1,000	594	1,000	1,000
Di-n-octyl phthalate	117-84-0	4,444	170	12,119	2,181	0.00002	NA	NA	1,000	170	1,000	1,000
Di-n-butyl phthalate	84-74-2	4,444	134	9,604	1,729	0.00002	NA	NA	1,000	134	1,000	1,000
4-Methylphenol	106-44-5	222	1.99	2,494	29.9	0.11	<1	NA	1,000	1.99	222	29.9

Constituent of Potential Concern	CASRN	Background	Practical Quantitation Limit[d] (PQL)	Highest Value: Risk-Based, Background, PQL			**Method 2 S-1 Soil Standards[e]**					
				S-1/GW-1	S-1/GW-2	S-1/GW-3	**S-1/GW-1**		**S-1/GW-2**		**S-1/GW-3**	
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	**(mg/kg)**	**Basis**	**(mg/kg)**	**Basis**	**(mg/kg)**	**Basis**
Chloromethane	74-87-3	--	0.005	100	56.9	100	**100**	**Ceiling Level**	**60**	**Leaching-Based**	**100**	**Ceiling Level**
Benzoic Acid	65-85-0	--	3.3	82.4	137.4	3.3	**80**	**Leaching-Based**	**100**	**Leaching-Based**	**3**	**PQL**
4-Bromophenyl phenyl ether	101-55-3	--	0.66	1,000	1,000	204	**1,000**	**Ceiling Level**	**1,000**	**Ceiling Level**	**200**	**Leaching-Based**
Butyl benzyl phthalate	85-68-7	--	0.66	594	1,000	1,000	**600**	**Leaching-Based**	**1,000**	**Ceiling Level**	**1,000**	**Ceiling Level**
Di-n-octyl phthalate	117-84-0	--	0.38	170	1,000	1,000	**200**	**Leaching-Based**	**1,000**	**Ceiling Level**	**1,000**	**Ceiling Level**
Di-n-butyl phthalate	84-74-2	--	0.38	134	1,000	1,000	**100**	**Leaching-Based**	**1,000**	**Ceiling Level**	**1,000**	**Ceiling Level**
4-Methylphenol	106-44-5	--	0.66	1.99	222	29.92	**2**	**Leaching-Based**	**200**	**Risk-Based**	**30**	**Leaching-Based**

Notes
mg/kg = Milligrams per kilogram
ppm = Parts per million
NA = Not applicable because no odor information available.
-- = Not applicable
a. ORL 50% = Odor threshold, defined as "the concentration of the oil or hazardous material at which 50% of the general population would recognize its odor" (310 CMR 40.0984(9)).
Values were obtained from: "2010 Respirator Selection Guide", 3M Occupational Health and Environmental Safety Division. December 2009.
b. The Odor Index is calculated according to 310 CMR 40.0984(9): Odor Index = Vapor Pressure / $ORL_{50\%}$.
c. Ceiling concentrations for Method 2 S-1 soil standards are determined based on the Odor Index in accordance with 310 CMR 40.0984(9a).
d. Practical Quantitation Limits are obtained from:
USEPA Method 8260B: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 2, December 2006.
USEPA Method 8270D: Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 4, February 2007.
e. Final Method 2 standards are rounded to one significant figure.

TABLE 16
DERIVATION OF METHOD 2 S-3 SOIL STANDARDS BY GROUNDWATER CATEGORY
3 Philipps Road
Holbrook, Massachusetts

Constituent of Potential Concern	CASRN	Risk-Based Direct Contact Concentration	Leaching-Based Concentration			Vapor Pressure	$ORL_{50\%}$[a]	Odor Index[b]	Ceiling Level[c]	Lowest Value: Risk-Based, Leaching, Ceiling Level		
		S-3	GW-1	GW-2	GW-3					S-3/GW-1	S-3/GW-2	S-3/GW-3
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(Torr)	(ppm)	(unitless)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Chloromethane	74-87-3	--	2,847	56.9	2,847	4300	10.2	422	1,000	1,000	56.9	1,000
Benzoic Acid	65-85-0	314,961	82.4	137.4	2.75	0.0007	NA	NA	5,000	82.4	137	2.75
4-Bromophenyl phenyl ether	101-55-3	--	25,554	25,554	204	0.0015	NA	NA	5,000	5,000	5,000	204
Butyl benzyl phthalate	85-68-7	15,748	594	59,387	5,939	0.0000083	NA	NA	5,000	594	5,000	5,000
Di-n-octyl phthalate	117-84-0	7,874	170	12,118.6	2,181	0.00002	NA	NA	5,000	170	5,000	2,181
Di-n-butyl phthalate	84-74-2	7,874	134	9,603.7	1,729	0.00002	NA	NA	5,000	134	5,000	1,729
4-Methylphenol	106-44-5	394	1.99	2,493.6	29.9	0.11	<1	NA	5,000	1.99	394	29.9

Constituent of Potential Concern	CASRN	Background	Practical Quantitation Limit[d] (PQL)	Highest Value: Risk-Based, Background, PQL			**Method 2 S-3 Soil Standards[e]**					
				S-3/GW-1	S-3/GW-2	S-3/GW-3	**S-3/GW-1**		**S-3/GW-2**		**S-3/GW-3**	
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	**(mg/kg)**	**Basis**	**(mg/kg)**	**Basis**	**(mg/kg)**	**Basis**
Chloromethane	74-87-3	--	0.005	1,000	56.9	1,000	**1,000**	**Ceiling Level**	**60**	**Leaching-Based**	**1,000**	**Ceiling Level**
Benzoic Acid	65-85-0	--	3.3	82.4	137	3.3	**80**	**Leaching-Based**	**100**	**Leaching-Based**	**3**	**PQL**
4-Bromophenyl phenyl ether	101-55-3	--	0.66	5,000	5,000	204	**5,000**	**Ceiling Level**	**5,000**	**Ceiling Level**	**200**	**Leaching-Based**
Butyl benzyl phthalate	85-68-7	--	0.66	594	5,000	5,000	**600**	**Leaching-Based**	**5,000**	**Ceiling Level**	**5,000**	**Ceiling Level**
Di-n-octyl phthalate	117-84-0	--	0.38	170	5,000	2,181	**200**	**Leaching-Based**	**5,000**	**Ceiling Level**	**2,000**	**Leaching-Based**
Di-n-butyl phthalate	84-74-2	--	0.38	134	5,000	1,729	**100**	**Leaching-Based**	**5,000**	**Ceiling Level**	**2,000**	**Leaching-Based**
4-Methylphenol	106-44-5	--	0.66	1.99	394	29.9	**2**	**Leaching-Based**	**400**	**Risk-Based**	**30**	**Leaching-Based**

Notes
mg/kg = Milligrams per kilogram
ppm = Parts per million
NA = Not applicable because no odor information available.
-- = Not applicable
a. ORL 50% = Odor threshold, defined as "the concentration of the oil or hazardous material at which 50% of the general population would recognize its odor" (310 CMR 40.0984(9)).
Values were obtained from: "2010 Respirator Selection Guide", 3M Occupational Health and Environmental Safety Division. December 2009.
b. The Odor Index is calculated according to 310 CMR 40.0984(9): Odor Index = Vapor Pressure / $ORL_{50\%}$.
c. Ceiling concentrations for Method 2 S-3 soil standards are determined based on the Odor Index in accordance with 310 CMR 40.0984(9c).
d. Practical Quantitation Limits are obtained from:
USEPA Method 8260B: Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 2, December 2006.
USEPA Method 8270D: Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS). Revision 4, February 2007.
e. Final Method 2 standards are rounded to one significant figure.

TABLE 17
COMPARISON OF SOIL EXPOSURE POINT CONCENTRATIONS TO APPLICABLE METHOD 1 / METHOD 2 SOIL STANDARDS
3 Philipps Road
Holbrook, Massachusetts

Exposure Point		Site-Wide			Site-Wide			Site-Wide			Hot Spot**						
Exposure Scenario		Current			Current			Future			Current and Future						
Applicable Soil Depth Interval		0-3'			3-15'			0-15'			0-4'						
Applicable Soil Category		S-1			S-3			S-1			S-1	MCP Method 1 and Method 2 Soil Standards†					
Constituent of Potential Concern (COPC)	CAS No.	Average Concentration (EPC)*	75th Percentile Concentration	Maximum Detected Conccentration	Average Concentration (EPC)*	75th Percentile Concentration	Maximum Detected Conccentration	Average Concentration (EPC)*	75th Percentile Concentration	Maximum Detected Conccentration	EPC	S-1 & GW-1	S-1 & GW-2	S-1 & GW-3	S-3 & GW-1	S-3 & GW-2	S-3 & GW-3
Volatile Organic Compounds																	
Bromomethane	74-83-9	0.018	0.02	0.1	0.03	0.051	0.1	0.025	0.023	0.1	ND	0.5	0.5	30	0.5	0.5	30
Chloromethane	74-87-3	0.015	0.02	0.048	0.017	0.024	0.048	0.017	0.023	0.048	ND	[100]	[60]	[100]	[1000]	[60]	[1000]
Trichloroethene	79-01-6	0.145	0.023	1.7	0.023	0.022	0.15	0.102	0.024	1.7	ND	0.3	2	90	0.3	2	2000
Semivolatile Organics																	
Benzo(a)anthracene	56-55-3	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.062	7	7	7	300	300	300
Benzo(b)fluoranthene	205-99-2	0.098	0.176	0.42	0.125	0.180	0.420	0.089	0.176	0.42	ND	7	7	7	300	300	300
Benzoic acid	65-85-0	0.084	0.084	0.084	ND	ND	ND	0.056	0.070	0.084	ND	[80]	[1000]	[3]	[80]	[5000]	[3]
bis(2-Ethylhexyl)phthalate	117-81-7	5.0	5.2	44	2.05	1.25	9.30	4.07	5.23	44	4600	200	200	200	3000	3000	3000
4-Bromophenyl phenyl ether	101-55-3	0.033	0.028	0.1	0.036	0.029	0.088	0.035	0.028	0.1	ND	[1000]	[1000]	[200]	[5000]	[5000]	[200]
Butyl benzyl phthalate	85-68-7	0.091	0.18	0.23	ND	ND	ND	0.083	0.18	0.23	ND	[600]	[1000]	[1000]	[600]	[5000]	[5000]
Chrysene	218-01-9	0.03	0.029	0.06	0.033	0.029	0.070	0.031	0.028	0.07	ND	70	70	70	3000	3000	3000
Di-n-octyl phthalate	117-84-0	0.53	0.18	6.2	ND	ND	ND	0.386	0.18	6.2	ND	[200]	[1000]	[1000]	[200]	[5000]	[2000]
Di-n-Butylphthalate	84-74-2	0.289	0.368	0.57	0.307	0.403	0.57	0.311	0.413	0.57	0.32	[100]	[1000]	[1000]	[100]	[5000]	[2000]
Fluoranthene	206-44-0	0.101	0.176	0.56	0.139	0.18	0.56	0.092	0.176	0.56	0.083	1000	1000	1000	5000	5000	5000
2-Methylnaphthalene	91-57-6	0.035	0.029	0.075	0.032	0.029	0.064	0.034	0.028	0.075	ND	0.7	80	300	0.7	80	500
4-Methylphenol	106-44-5	0.03	0.029	0.056	ND	ND	ND	0.029	0.028	0.056	ND	[2]	[200]	[30]	[2]	[400]	[30]
Pyrene	129-00-0	0.095	0.176	0.5	0.131	0.18	0.5	0.087	0.176	0.5	0.065	1000	1000	1000	5000	5000	5000
Phenanthrene	85-01-8	0.03	0.029	0.064	0.039	0.029	0.11	0.034	0.028	0.11	ND	10	500	500	10	3000	3000
Phenol	108-95-2	0.228	0.265	0.33	0.153	0.195	0.24	0.201	0.24	0.33	0.26	1	50	20	1	50	20
Extractable Petroleum Hydrocarbons																	
C19-C36 Aliphatic Hydrocarbons	NA_c19-36	9.33	5	41.4	10.2	7.8	41.4	7.71	5	41.4	ND	3000	3000	3000	5000	5000	5000
C11-C22 Aromatic Hydrocarbons	NA_c11-22	39.7	20.2	259	24.7	19.6	149	34.4	19.7	259	1310	1000	1000	1000	1000	5000	5000
Pesticides																	
4,4'-DDT	50-29-3	0.008	0.005	0.047	0.005	0.005	0.017	0.007	0.005	0.047	ND	3	3	3	30	30	30
Endrin aldehyde	7421-93-4	0.01	0.005	0.057	0.016	0.005	0.073	0.013	0.005	0.073	ND	8	8	8	10	10	10
Metals																	
Arsenic	7440-38-2	7.79	4.54	52	1.29	1.7	4.11	5.59	3.49	52	1.3	20	20	20	20	20	20
Barium	7440-39-3	30	34.8	61	28.6	27	57	29.5	34	61	20	1000	1000	1000	5000	5000	5000
Cadmium	7440-43-9	0.47	0.595	0.88	0.411	0.47	0.62	0.455	0.52	0.88	0.34	2	2	2	30	30	30
Chromium (total)	7440-47-3	10.3	12	21	8.87	8.79	20	9.9	12	21	7.5	30	30	30	200	200	200
Lead	7439-92-1	13.2	14.8	58	8.13	9.16	23	10.9	10	58	5.9	300	300	300	300	300	300

Notes:

All concentrations are presented in units of milligrams per kilogram (mg/kg).

Only constituents that were selected as COPCs are presented.

MCP = Massachusetts Contingency Plan, 310 CMR 40.0000.

ND = Compound was not detected in samples collected from that exposure point.

NS = No standard available.

Yellow shading = Concentration exceeds the lowest applicable Method 1 soil cleanup standard for that exposure point. Maximum detected concentrations are compared to ten times the lowest applicable Method 1 standard.

* = The Exposure Point Concentration (EPC) for the "Site-Wide" exposure point is the arithmetic mean of all detected results for samples collected within the specified depth interval (except sample S-10, the Hot Spot), using and 1/2 the laboratory reporting limit (LRL) as the representative concentration for non-detects except where the LRL is greater than two times the maximum detected concentration.

- The following samples were included in calculation of statistics for the 0-3' depth interval: S-1, S-5, S-7, S-8 (0-4'), S-9 (0-4'), S-11 (0-4'), S-12 (0-4'), S-13, S-14, S-15, S-17, MW-1, B-1, B-2 (0-6'), B-4 (0-6'), B-5 (0-6'), SAB-1, SAB-2, and SAB-3B.
- The following samples were included in calculation of statistics for the 3-15' depth interval: S-8 (4-8'), S-9 (4-8'), S-11 (4-8'), S-12 (4-7'), MW-1, MW-2, MW-4, B-1, B-2 (0-6'), B-2 (6-10'), B-4 (0-6'), B-4 (6-10'), B-5 (0-6'), B-5 (6-10'), SAB-2, and SAB-3B.

** = Sample S-10 was identified as a soil Hot Spot due to elevated concentrations of bis(2-ethylhexyl) phthalate and C11-C22 aromatic hydrocarbons. The EPC is the detected concentration of each constituent.

† Standards presented in brackets were derived as Method 2 standards in accordance with the MCP (310 CMR 40.0983).

APPENDIX A: BWSC COMPREHENSIVE RESPONSE ACTION TRANSMITTAL FORM (BWSC-108)

Hard Copy Only (filed via eDEP)

APPENDIX B: PUBLIC NOTIFICATION DOCUMENTATION

COMMITMENT & INTEGRITY
DRIVE RESULTS

980 Washington Street, Suite 325
Dedham, Massachusetts 02026
www.woodardcurran.com

T 800.446.5518
T 781.251.0200
F 781.251.0847

WOODARD &CURRAN

January 18, 2013

Mr. William J. Phelan
Town Administrator
50 Franklin Street
Holbrook, Massachusetts 02343

Subject: Notification of a Phase II Comprehensive Site Assessment Report
Former Holbrook Chemical Co. Site, 3 Philipps Road, Holbrook, Massachusetts
MassDEP Release Tracking Number (RTN): 4-3024519

Dear Mr. Phelan:

This letter is being sent to you on behalf of TLA-Holbrook, LLC to fulfill the public notification requirements established by the Massachusetts Contingency Plan (MCP - 310 CMR 40.0000). In accordance with the public notification requirements described in 310 CMR 40.1403(3)(e), we are notifying you that a Phase II Comprehensive Site Assessment (CSA) has been prepared for the above-referenced Disposal Site. Please find a summary of findings, a statement of conclusions, and a disposal site map enclosed with this letter. A complete copy of the report is available for your review at the Massachusetts Department of Environmental Protection (MassDEP) Southeast Region Office (20 Riverside Drive, Lakeville, Massachusetts, 02347, Main Phone: 508-946-2700 or online at http://public.dep.state.ma.us/wsc_viewer/main.aspx).

If you have any questions regarding this notification, please contact Craig Blake at the address or telephone number listed above.

Sincerely,

WOODARD & CURRAN

Craig Blake, PE, LSP
Vice President

Project No. 225604

Enclosure(s)

cc: Mr. Paul M. Callinan, Chairman, Holbrook Board of Health;
Massachusetts Department of Environmental Protection, Southeast Regional Office

APPENDIX C: LABORATORY ANALYTICAL REPORTS

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0408900-02
MH S-1
Sample Matrix: SOIL

Date Collected: 16-AUG-2004 14:00
Date Received : 17-AUG-2004
Date Reported : 24-AUG-2004

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Container: 1-Glass,1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Solids, Total	77.	%	0.10	30 2540G		0817 21:41	RT
Physiologically Available Cyanide by MCP 9014							
Cyanide, Physiologically Available	ND	mg/kg	1.1	57 9014	0818 09:30	0818 19:35	DE
Total Metals by MCP 6000/7000 series				60 6010B			
Antimony, Total	7.0	mg/kg	2.6	60 6010B	0818 15:00	0820 17:19	MG
Arsenic, Total	21.	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Barium, Total	89.	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Beryllium, Total	ND	mg/kg	0.26	60 6010B	0818 15:00	0820 17:19	MG
Cadmium, Total	ND	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Chromium, Total	78.	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Lead, Total	450	mg/kg	2.6	60 6010B	0818 15:00	0820 17:19	MG
Total Metals							
Mercury, Total	0.09	mg/kg	0.08	54 7471A	0820 16:45	0823 10:36	DM
Total Metals by MCP 6000/7000 series				60 6010B			
Nickel, Total	19.	mg/kg	1.3	60 6010B	0818 15:00	0820 17:19	MG
Selenium, Total	ND	mg/kg	2.6	60 6010B	0818 15:00	0820 17:19	MG
Silver, Total	47.	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Thallium, Total	ND	mg/kg	2.6	60 6010B	0818 15:00	0820 17:19	MG
Vanadium, Total	14.	mg/kg	0.51	60 6010B	0818 15:00	0820 17:19	MG
Zinc, Total	87.	mg/kg	2.6	60 6010B	0818 15:00	0820 17:19	MG
Volatile Organics by MCP 8260B/5035-High				60 8260B		0823 14:25	ST
Methylene chloride	ND	ug/kg	800				
1,1-Dichloroethane	ND	ug/kg	120				
Chloroform	ND	ug/kg	120				
Carbon tetrachloride	ND	ug/kg	80.				
1,2-Dichloropropane	ND	ug/kg	280				
Dibromochloromethane	ND	ug/kg	80.				
1,1,2-Trichloroethane	ND	ug/kg	120				
Tetrachloroethene	ND	ug/kg	80.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

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ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408900-02
MH S-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B/5035-High continued				40,8260B			
Chlorobenzene	ND	ug/kg	80.				
Trichlorofluoromethane	ND	ug/kg	400				
1,2-Dichloroethane	ND	ug/kg	80.				
1,1,1-Trichloroethane	ND	ug/kg	80.				
Bromodichloromethane	ND	ug/kg	80.				
trans-1,3-Dichloropropene	ND	ug/kg	80.				
cis-1,3-Dichloropropene	ND	ug/kg	80.				
1,1-Dichloropropene	ND	ug/kg	400				
Bromoform	ND	ug/kg	320				
1,1,2,2-Tetrachloroethane	ND	ug/kg	80.				
Benzene	ND	ug/kg	80.				
Toluene	130	ug/kg	120				
Ethylbenzene	ND	ug/kg	80.				
Chloromethane	ND	ug/kg	400				
Bromomethane	ND	ug/kg	160				
Vinyl chloride	ND	ug/kg	160				
Chloroethane	ND	ug/kg	160				
1,1-Dichloroethene	ND	ug/kg	80.				
trans-1,2-Dichloroethene	ND	ug/kg	120				
Trichloroethene	ND	ug/kg	80.				
1,2-Dichlorobenzene	ND	ug/kg	400				
1,3-Dichlorobenzene	ND	ug/kg	400				
1,4-Dichlorobenzene	ND	ug/kg	400				
Methyl tert butyl ether	ND	ug/kg	160				
p/m-Xylene	ND	ug/kg	80.				
o-Xylene	ND	ug/kg	80.				
cis-1,2-Dichloroethene	ND	ug/kg	80.				
Dibromomethane	ND	ug/kg	800				
1,2,3-Trichloropropane	ND	ug/kg	800				
Styrene	ND	ug/kg	80.				
Dichlorodifluoromethane	ND	ug/kg	800				
Acetone	ND	ug/kg	800				
Carbon disulfide	ND	ug/kg	800				
2-Butanone	ND	ug/kg	800				
4-Methyl-2-pentanone	ND	ug/kg	800				
2-Hexanone	ND	ug/kg	800				
Bromochloromethane	ND	ug/kg	400				
Tetrahydrofuran	ND	ug/kg	1600				
2,2-Dichloropropane	ND	ug/kg	400				
1,2-Dibromoethane	ND	ug/kg	320				
1,3-Dichloropropane	ND	ug/kg	400				
1,1,1,2-Tetrachloroethane	ND	ug/kg	80.				
Bromobenzene	ND	ug/kg	400				
n-Butylbenzene	170	ug/kg	80.				
sec-Butylbenzene	ND	ug/kg	80.				
tert-Butylbenzene	ND	ug/kg	400				
o-Chlorotoluene	ND	ug/kg	400				
p-Chlorotoluene	ND	ug/kg	400				
1,2-Dibromo-3-chloropropane	ND	ug/kg	400				

Comments: Complete list of References and Glossary of Terms found in Addendum I

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ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408900-02
MH S-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by MCP 8260B/5035-High continued							
Hexachlorobutadiene	ND	ug/kg	400				
Isopropylbenzene	ND	ug/kg	80.				
p-Isopropyltoluene	80.	ug/kg	80.				
Naphthalene	470	ug/kg	400				
n-Propylbenzene	ND	ug/kg	80.				
1,2,3-Trichlorobenzene	ND	ug/kg	400				
1,2,4-Trichlorobenzene	ND	ug/kg	400				
1,3,5-Trimethylbenzene	ND	ug/kg	400				
1,2,4-Trimethylbenzene	ND	ug/kg	400				
Ethyl ether	ND	ug/kg	400				
Isopropyl Ether	ND	ug/kg	320				
Ethyl-Tert-Butyl-Ether	ND	ug/kg	320				
Tertiary-Amyl Methyl Ether	ND	ug/kg	320				
1,4-Dioxane	ND	ug/kg	40000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	87.0	%	70-130				
Toluene-d8	102.	%	70-130				
4-Bromofluorobenzene	97.0	%	70-130				
Dibromofluoromethane	87.0	%	70-130				
Semivolatile Organics by MCP 8270C							
Acenaphthene	ND	ug/kg	430000				
1,2,4-Trichlorobenzene	ND	ug/kg	430000				
Hexachlorobenzene	ND	ug/kg	430000				
Bis(2-chloroethyl)ether	ND	ug/kg	430000				
2-Chloronaphthalene	ND	ug/kg	430000				
1,2-Dichlorobenzene	ND	ug/kg	430000				
1,3-Dichlorobenzene	ND	ug/kg	430000				
1,4-Dichlorobenzene	ND	ug/kg	430000				
3,3'-Dichlorobenzidine	ND	ug/kg	860000				
2,4-Dinitrotoluene	ND	ug/kg	430000				
2,6-Dinitrotoluene	ND	ug/kg	430000				
Azobenzene	ND	ug/kg	430000				
Fluoranthene	ND	ug/kg	430000				
4-Bromophenyl phenyl ether	ND	ug/kg	430000				
Bis(2-chloroisopropyl)ether	ND	ug/kg	430000				
Bis(2-chloroethoxy)methane	ND	ug/kg	430000				
Hexachlorobutadiene	ND	ug/kg	860000				
Hexachloroethane	ND	ug/kg	430000				
Isophorone	ND	ug/kg	430000				
Naphthalene	ND	ug/kg	430000				
Nitrobenzene	ND	ug/kg	430000				
Bis(2-Ethylhexyl)phthalate	13000000	ug/kg	860000				
Butyl benzyl phthalate	ND	ug/kg	430000				
Di-n-butylphthalate	ND	ug/kg	430000				
Di-n-octylphthalate	ND	ug/kg	430000				
Diethyl phthalate	ND	ug/kg	430000				
Dimethyl phthalate	ND	ug/kg	430000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

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ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408900-02
MH S-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by MCP 8270C continued				51 8270C			
Benzo(a)anthracene	ND	ug/kg	430000				
Benzo(a)pyrene	ND	ug/kg	430000				
Benzo(b)fluoranthene	ND	ug/kg	430000				
Benzo(k)fluoranthene	ND	ug/kg	430000				
Chrysene	ND	ug/kg	430000				
Acenaphthylene	ND	ug/kg	430000				
Anthracene	ND	ug/kg	430000				
Benzo(ghi)perylene	ND	ug/kg	430000				
Fluorene	ND	ug/kg	430000				
Phenanthrene	ND	ug/kg	430000				
Dibenzo(a,h)anthracene	ND	ug/kg	430000				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	430000				
Pyrene	ND	ug/kg	430000				
Aniline	ND	ug/kg	860000				
4-Chloroaniline	ND	ug/kg	430000				
Dibenzofuran	ND	ug/kg	430000				
2-Methylnaphthalene	ND	ug/kg	430000				
Acetophenone	ND	ug/kg	1700000				
2,4,6-Trichlorophenol	ND	ug/kg	430000				
2-Chlorophenol	ND	ug/kg	520000				
2,4-Dichlorophenol	ND	ug/kg	860000				
2,4-Dimethylphenol	ND	ug/kg	430000				
2-Nitrophenol	ND	ug/kg	1700000				
4-Nitrophenol	ND	ug/kg	860000				
2,4-Dinitrophenol	ND	ug/kg	1700000				
Pentachlorophenol	ND	ug/kg	1700000				
Phenol	ND	ug/kg	610000				
2-Methylphenol	ND	ug/kg	520000				
3-Methylphenol/4-Methylphenol	ND	ug/kg	520000				
2,4,5-Trichlorophenol	ND	ug/kg	430000				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	ND	%	30-130				
Phenol-d6	ND	%	30-130				
Nitrobenzene-d5	ND	%	30-130				
2-Fluorobiphenyl	ND	%	30-130				
2,4,6-Tribromophenol	ND	%	30-130				
4-Terphenyl-d14	ND	%	30-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Aug 31 05 08:44a Jack Walsh 508-520-0883 p.12

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408900-02
MH S-1

PARAMETER	RESULT	UNITS	RDL	REP METHOD	DATE PREP	DATE ANAL	ID
Extractable Petroleum Hydrocarbons				6/EPH-04-1	0818 2015	0821 1210	EM

Quality Control Information

Condition of sample received:	Satisfactory
Sample temperature upon receipt:	Received on Ice
Sample extraction method:	Extracted Per the Method
Were all QA/QC procedures REQUIRED by the method followed?	YES
Were all performance/acceptance standards for the required procedures achieved?	NO
1. One or more of the extraction surrogate recoveries were less than 40%.	
Were significant modifications made to the method as specified in Sect 11.3?	NO

The normal acceptance range for the extraction surrogates, Chloro-octadecane and o-Terphenyl, is 40-140%.
The normal acceptance range for the fractionation surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, is 40-140%.

C9-C18 Aliphatics	ND	mg/kg	433.
C19-C36 Aliphatics	699.	mg/kg	433.
C11-C22 Aromatics	5830	mg/kg	433.
C11-C22 Aromatics, Adjusted	5830	mg/kg	433.
Naphthalene	ND	mg/kg	21.6
2-Methylnaphthalene	ND	mg/kg	21.6
Acenaphthylene	ND	mg/kg	21.6
Acenaphthene	ND	mg/kg	21.6
Fluorene	ND	mg/kg	21.6
Phenanthrene	ND	mg/kg	21.6
Anthracene	ND	mg/kg	21.6
Fluoranthene	ND	mg/kg	21.6
Pyrene	ND	mg/kg	21.6
Benzo(a)anthracene	ND	mg/kg	21.6
Chrysene	ND	mg/kg	21.6
Benzo(b)fluoranthene	ND	mg/kg	21.6
Benzo(k)fluoranthene	ND	mg/kg	21.6
Benzo(a)pyrene	ND	mg/kg	21.6
Indeno(1,2,3-cd)Pyrene	ND	mg/kg	21.6
Dibenzo(a,h)anthracene	ND	mg/kg	21.6
Benzo(ghi)perylene	ND	mg/kg	21.6

Surrogate(s)	Recovery		QC Criteria
Chloro-Octadecane	ND	%	40-140
o-Terphenyl	ND	%	40-140
2-Fluorobiphenyl	84.0	%	40-140
2-Bromonaphthalene	83.0	%	40-140

Comments: Complete list of References and Glossary of Terms found in Addendum I

Aug 31 05 08:45a Jack Walsh 508-520-0883 p.13

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0408900-06
S-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Semivolatile Organics by MCP 8270C continued				1A 8270C			
Chrysene	ND	ug/kg	13000000				
Acenaphthylene	ND	ug/kg	13000000				
Anthracene	ND	ug/kg	13000000				
Benzo(ghi)perylene	ND	ug/kg	13000000				
Fluorene	ND	ug/kg	13000000				
Phenanthrene	ND	ug/kg	13000000				
Dibenzo(a,h)anthracene	ND	ug/kg	13000000				
Indeno(1,2,3-cd)Pyrene	ND	ug/kg	13000000				
Pyrene	ND	ug/kg	13000000				
Aniline	ND	ug/kg	26000000				
4-Chloroaniline	ND	ug/kg	13000000				
Dibenzofuran	ND	ug/kg	13000000				
2-Methylnaphthalene	ND	ug/kg	13000000				
Acetophenone	ND	ug/kg	52000000				
2,4,6-Trichlorophenol	ND	ug/kg	13000000				
2-Chlorophenol	ND	ug/kg	16000000				
2,4-Dichlorophenol	ND	ug/kg	26000000				
2,4-Dimethylphenol	ND	ug/kg	13000000				
2-Nitrophenol	ND	ug/kg	52000000				
4-Nitrophenol	ND	ug/kg	26000000				
2,4-Dinitrophenol	ND	ug/kg	52000000				
Pentachlorophenol	ND	ug/kg	52000000				
Phenol	ND	ug/kg	18000000				
2-Methylphenol	ND	ug/kg	16000000				
3-Methylphenol/4-Methylphenol	ND	ug/kg	16000000				
2,4,5-Trichlorophenol	ND	ug/kg	13000000				
Surrogate(s)	Recovery		QC Criteria				
2-Fluorophenol	ND	%	30-130				
Phenol-d6	ND	%	30-130				
Nitrobenzene-d5	ND	%	30-130				
2-Fluorobiphenyl	ND	%	30-130				
2,4,6-Tribromophenol	ND	%	30-130				
4-Terphenyl-d14	ND	%	30-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Aug 31 05 08:46a Jack Walsh 508-520-0883 p.15

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0316-14

Prepared for:

Attn: Craig Blake
Woodard & Curran
980 Washington St. 325N
Dedham, MA 02026

Report Date: March 31, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc.	Project #: 218390
Project Location: Holbrook Chemical	RTN[1]:
This form provides certifications for the following data set: R0316-14	
Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:	

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A (X)	VPH (X)	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	Other: ( )

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

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

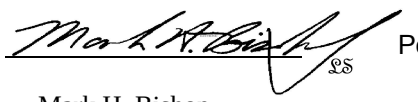
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 4/3/2006

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 218390

Project Location: Holbrook Chemical RTN[1]:

This form provides certifications for the following data set: R0313-14

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

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

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

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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 03/24/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 16, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0316-14.

Custody records are included in this report.

Site: Holbrook Chemical

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-1	3/15/06	Water	Table II, III, IV
MW-2	3/15/06	Water	Table II, III, IV, V
MW-3	3/15/06	Water	Table II, IV
MW-5	3/15/06	Water	Table II, III, IV, V
MW-6	3/15/06	Water	Table II, III, IV, V
M-7SD	3/15/06	Water	Table II, III, IV, V
M-7TWB	3/15/06	Water	Table II, III, V

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organics Compounds	5030B	8260B
Semivolatile Organic Compounds	3510C	8270C
Dissolved Metals		
Arsenic	NA	6010B
Barium	NA	6010B
Cadmium	NA	6010B
Chromium	NA	6010B
Lead	NA	6010B
Mercury	NA	7470A
Selenium	NA	6010B
Silver	NA	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	*

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Pesticides	3510C	8081A

TABLE V, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
VPH	NA	**

These methods are documented in:

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

**Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. No field blank was supplied unless it was identified in such a manner as to be un-interpretable by the laboratory. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria except where stated below.

Several compounds in the VLCS060326 had recoveries higher than QC limits. This does not affect the data as none of these compounds were detected in the samples.

Semivolatile Organic Compounds:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS), except where stated below, were within method specified quality control criteria.

The LCS recoveries for 4-Chloroaniline, 4,6-Dinitro-2-methylphenol and Diphenylamine were above upper control limits. This does not affect sample results, as these compounds were not detected in any of the samples or the method blank.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Pesticides:

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-1
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.031	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	0.005	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	0.02	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-2
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.035	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-3
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.072	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	0.007	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0005	0.0005	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	0.01	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-5
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.060	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	0.01	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-6
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.076	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	0.01	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-7SD
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.065	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

METALS RESULTS

Case Number: R0316-14
Sample ID: MW-7TWB
Date collected: 03/15/06
Matrix WATER
Sample Type: Dissolved

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date Analyzed
Arsenic	7440-38-2	NA	6010B	ND	0.01	0.01	mg/l	3/23/06
Barium	7440-39-3	NA	6010B	0.049	0.005	0.005	mg/l	3/23/06
Cadmium	7440-43-9	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Chromium	7440-47-3	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Lead	7439-92-1	NA	6010B	ND	0.005	0.005	mg/l	3/23/06
Mercury	7439-97-6	NA	7470A	ND	0.0002	0.0002	mg/l	3/23/06
Selenium	7782-49-2	NA	6010B	0.02	0.01	0.01	mg/l	3/23/06
Silver	7440-22-4	NA	6010B	ND	0.005	0.005	mg/l	3/23/06

ND indicates not Detected

LCS RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	1	1.07	mg/l	107	67	120	3/23/06
Barium	1	1.05	mg/l	105	86	108	3/23/06
Cadmium	1	1.02	mg/l	102	87	113	3/23/06
Chromium	1	1	mg/l	100	89	107	3/23/06
Lead	1	0.991	mg/l	99.1	88	108	3/23/06
Mercury	0.001	0.0010	mg/l	103	89	111	3/23/06
Selenium	1	0.97	mg/l	97	76	115	3/23/06
Silver	1	1.04	mg/l	104	86	112	3/23/06

RESULTS: PESTICIDES

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: MW-1		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	83	25-141
DCBP	75	41-156

Sample: MW-2		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	87	25-141
DCBP	80	41-156

Sample: MW-3		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	95	25-141
DCBP	98	41-156

Sample: MW-5		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	102	25-141
DCBP	103	41-156

Sample: MW-6		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	118	25-141
DCBP	114	41-156

Sample: M-7SD		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: 3/15/06		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: 3510C	3/22/06	3/23/06
Analytical Method: EPA		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	82	25-141
DCBP	85	41-156

Sample: Method Blank		Analyst's Initials: DC
Case No. R0316-14		
Date Collected: NA		
Sample Matrix: Water		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3510C	3/22/06	3/23/06
Analytical Method: EPA 8081A		
Compound	Concentration ug/l (ppb)	Reporting Limit
Aldrin	N.D.	0.05
alpha-BHC	N.D.	0.05
beta-BHC	N.D.	0.05
delta-BHC	N.D.	0.05
gamma-BHC	N.D.	0.05
alpha-Chlordane	N.D.	0.05
gamma-Chlordane	N.D.	0.05
Chlordane	N.D.	1.0
4,4'-DDD	N.D.	0.1
4,4'-DDE	N.D.	0.1
4,4'-DDT	N.D.	0.1
Dieldrin	N.D.	0.1
Endosulfan I	N.D.	0.05
Endosulfan II	N.D.	0.1
Endosulfan sulfate	N.D.	0.1
Endrin	N.D.	0.1
Endrin aldehyde	N.D.	0.1
Endrin Ketone	N.D.	0.1
Heptachlor	N.D.	0.05
Heptachlor epoxide	N.D.	0.05
Methoxychlor	N.D.	0.5
Toxaphene	N.D.	50
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	25-141
DCBP	83	41-156

Pesticide Laboratory Control Spike

Date Collected: NA			Analyst's Initials	DC
Sample Matrix: Water				
Subject: Pesticides	Date Extracted			Date Analyzed
Prep Method: EPA 3541	3/22/06			3/23/06
Analytical Method: EPA				
Compound	Amount Spiked ng/ml (ppb)	Result ng/ml (ppb)	Recovery %	Recovery Limits
alpha-BHC	40	31	76	40-140
gamma-BHC	40	32	80	40-140
beta-BHC	40	30	75	40-140
delta-BHC	40	28	69	40-140
Heptachlor	40	28	71	40-140
Aldrin	40	28	70	40-140
Heptachlor epoxide	40	27	68	40-140
gamma-Chlordane	40	25	63	40-140
alpha-Chlordane	40	28	69	40-140
4,4'-DDE	40	27	67	40-140
Endosulfan I	40	25	64	40-140
Dieldrin	40	27	67	40-140
Endrin	40	30	75	40-140
4,4'-DDD	40	26	66	40-140
Endosulfan II	40	27	66	40-140
4,4'-DDT	40	34	86	40-140
Endrin aldehyde	40	36	91	40-140
Methoxychlor	40	35	88	40-140
Endosulfan sulfate	40	24	60	40-140
Endrin Ketone	40	38	96	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	76	19-139		
DCBP	80	29-155		

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-1
Lab File ID: MAR2507.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	19	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	15	
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-1
Lab File ID: MAR2507.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-2
Lab File ID: MAR2508.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-2
Lab File ID: MAR2508.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-3
Lab File ID: MAR2509.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-3
Lab File ID: MAR2509.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-5
Lab File ID: MAR2510.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	8.6	
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-5
Lab File ID: MAR2510.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-6
Lab File ID: MAR2511.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	2.6	
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-6
Lab File ID: MAR2511.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: M-7SD
Lab File ID: MAR2512.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: M-7SD
Lab File ID: MAR2512.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: M-7TWB
Lab File ID: MAR2513.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: M-7TWB
Lab File ID: MAR2513.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
108-86-1	Bromobenzene	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
75-87-3	Chloromethane	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060325
Lab File ID: MAR2505.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
75-01-4	Vinyl Chloride	1.0	U
74-83-9	Bromomethane	1.0	U
75-00-3	Chloroethane	1.0	U
67-64-1	Acetone	5.0	U
75-35-4	1,1-Dichloroethene	1.0	U
75-15-0	Carbon Disulfide	1.0	U
75-09-2	Methylene Chloride	3.0	U
1634-04-4	tert-Butyl methyl ether	2.0	U
156-60-5	trans-1,2 Dichloroethene	1.0	U
75-34-3	1,1-Dichloroethane	1.0	U
78-93-3	2-Butanone	5.0	U
594-20-7	2,2-Dichloropropane	1.0	U
156-59-2	cis-1,2-Dichloroethene	1.0	U
67-66-3	Chloroform	1.0	U
74-97-5	Bromochloromethane	1.0	U
71-55-6	1,1,1-Trichloroethane	1.0	U
563-58-6	1,1-Dichloropropene	1.0	U
56-23-5	Carbon Tetrachloride	1.0	U
71-43-2	Benzene	1.0	U
107-06-2	1,2-Dichloroethane	1.0	U
79-01-6	Trichloroethene	1.0	U
78-87-5	1,2-Dichloropropane	1.0	U
75-27-4	Bromodichloromethane	1.0	U
74-95-3	Dibromomethane	1.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
106-93-4	Ethylene Dibromide	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1.0	U
108-88-3	Toluene	1.0	U
10061-02-6	Trans-1,3-Dichloropropene	1.0	U
79-00-5	1,1,2-Trichloroethane	1.0	U
591-78-6	2-Hexanone	5.0	U
127-18-4	Tetrachloroethene	1.0	U
124-48-1	Chlorodibromomethane	1.0	U
108-90-7	Chlorobenzene	1.0	U
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Method: 8260
Matrix: (soil/water) WATER
Sample wt/vol: 5.0 (g/ml) ML
% Moisture
Soil Extract Volume: (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060325
Lab File ID: MAR2505.D
Date Sampled: 3/15/2006
Date Analyzed: 3/25/2006
Dilution Factor: 1.0
Soil Aliquot Volume: (uL)

CAS NO.	COMPOUND	UNITS: ug/L	Q
100-41-4	Ethylbenzene	1.0	U
1330-20-7	m & p-Xylene	2.0	U
95-47-6	o-Xylene	1.0	U
100-42-5	Styrene	1.0	U
75-25-2	Bromoform	1.0	U
98-82-8	Isopropylbenzene	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U
96-18-4	1,2,3-Trichloropropane	1.0	U
108-86-1	Bromobenzene	1.0	U
103-65-1	n-Propylbenzene	1.0	U
95-49-8	2-Chlorotoluene	1.0	U
108-67-8	1,3,5-Trimethylbenzene	1.0	U
106-43-4	4-Chlorotoluene	1.0	U
98-06-6	tert-Butylbenzene	1.0	U
95-63-6	1,2,4-Trimethylbenzene	1.0	U
135-98-8	sec-Butylbenzene	1.0	U
99-87-6	p-Isopropyltoluene	1.0	U
75-87-3	Chloromethane	1.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
60-29-7	Diethyl Ether	1.0	U
104-51-8	n-Butylbenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
91-20-3	Naphthalene	2.0	U
87-61-6	1,2,3-Trichlorobenzene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Holbrook Chemica

Lab Code: RI010 Case No.: R0316-14 SAS No.: _____ SDG No.: Woodard

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK060325	105	98	94	0
02	MW-1	108	97	93	0
03	MW-2	110	99	94	0
04	MW-3	111	98	90	0
05	MW-5	106	104	96	0
06	MW-6	110	97	93	0
07	M-7SD	114	98	88	0
08	M-7TWB	110	99	93	0
09	VLCS060325	104	99	104	0

QC LIMITS

SMC1	=	1,2-Dichloroethane-D4	(76-130)
SMC2	=	Toluene-D8	(85-124)
SMC3	=	Bromofluorobenzene	(77-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/26/06 **Sample ID: VLCS060325**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Chloromethane	50	59	118	70	164
Vinyl Chloride	50	67	135	70	155
Bromomethane	50	83	167	15	213
Chloroethane	50	91	182	52	193
1,1-Dichloroethene	50	69	139	77	137
Methylene Chloride	50	57	114	76	130
trans-1,2 Dichloroethene	50	62	124	74	128
1,1-Dichloroethane	50	62	123	78	126
cis-1,2-Dichloroethene	50	57	115	76	123
Chloroform	50	57	113	83	125
Bromochloromethane	50	59	119	76	121
1,1,1-Trichloroethane	50	61	122	73	129
1,1-Dichloropropene	50	58	116	79	122
Carbon Tetrachloride	50	61	123	74	129
Benzene	50	56	112	75	117
1,2-Dichloroethane	50	59	119	78	123
Trichloroethene	50	58	116	65	141
1,2-Dichloropropane	50	56	113	81	121
Bromodichloromethane	50	58	116	74	116
Dibromomethane	50	56	113	80	115
MIBK	50	66	132	72	147
cis-1,3-Dichloropropene	50	54	108	47	132
Toluene	50	56	113	74	119
Trans-1,3-Dichloropropene	50	57	113	52	136
1,1,2-Trichloroethane	50	57	113	81	118
Ethylene Dibromide	50	57	115	80	121
2-Hexanone	50	65	130	65	153
Tetrachloroethene	50	55	110	29	190
1,3-Dichloropropane	50	58	116	59	143
Chlorodibromomethane	50	56	113	79	114
Chlorobenzene	50	56	112	74	115
1,1,1,2-Tetrachloroethane	50	57	113	77	116
Ethylbenzene	50	58	116	77	117
m & p-Xylene	100	117	117	58	129
o-Xylene	50	60	120	24	175
Styrene	50	61	122	76	111
Bromoform	50	58	117	78	115
Isopropylbenzene	50	61	122	82	125
1,1,2,2-Tetrachloroethane	50	58	115	50	142

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/26/06 **Sample ID: VLCS060325**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Bromobenzene	50	60	121	78	116
1,2,3-Trichloropropane	50	63	126	76	120
n-Propylbenzene	50	62	125	75	118
2-Chlorotoluene	50	61	121	73	114
1,3,5-Trimethylbenzene	50	62	124	74	117
4-Chlorotoluene	50	61	121	72	115
tert-Butylbenzene	50	62	125	80	137
1,2,4-Trimethylbenzene	50	63	127	72	118
sec-Butylbenzene	50	61	123	73	114
p-Isopropyltoluene	50	63	126	72	140
1,3-Dichlorobenzene	50	62	123	69	116
1,4-Dichlorobenzene	50	60	120	69	117
n-Butylbenzene	50	61	122	65	130
1,2-Dichlorobenzene	50	62	124	73	113
1,2-Dibromo-3-chloropropane	50	65	129	46	138
1,2,4-Trichlorobenzene	50	54	107	35	157
Naphthalene	50	52	104	17	186
1,2,3-Trichlorobenzene	50	55	110	32	186

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-1
Matrix: (soil/water/air) WATER
Lab File ID: MAR2212.D
Sample wt/vol: 700 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	4.3	U
110-86-1	Pyridine	2.9	U
108-95-2	Phenol	2.9	U
62-53-3	Aniline	2.9	U
111-44-4	bis(2-Chloroethyl)ether	1.4	U
95-57-8	2-Chlorophenol	2.9	U
541-73-1	1,3-Dichlorobenzene	1.4	U
106-46-7	1,4-Dichlorobenzene	1.4	U
95-50-1	1,2-Dichlorobenzene	1.4	U
95-48-7	2-Methylphenol	1.4	U
108-60-1	bis(2-chloroisopropyl)ether	1.4	U
106-44-5	4-Methylphenol	1.4	U
621-64-7	n-Nitroso-di-n-propylamine	1.4	U
67-72-1	Hexachloroethane	1.4	U
98-95-3	Nitrobenzene	1.4	U
78-59-1	Isophorone	1.4	U
88-75-5	2-Nitrophenol	7.1	U
105-67-9	2,4-Dimethylphenol	14	U
65-85-0	Benzoic acid	83	
111-91-1	bis(2-Chloroethoxy)methane	1.4	U
120-83-2	2,4-Dichlorophenol	2.9	U
120-82-1	1,2,4-Trichlorobenzene	1.4	U
91-20-3	Naphthalene	1.4	U
106-47-8	4-Chloroaniline	1.4	U
87-68-3	Hexachlorobutadiene	1.4	U
59-50-7	4-Chloro-3-methylphenol	7.1	U
91-57-6	2-Methylnaphthalene	1.4	U
77-47-4	Hexachlorocyclopentadiene	1.4	U
88-06-2	2,4,6-Trichlorophenol	2.9	U
95-95-4	2,4,5-Trichlorophenol	2.9	U
91-58-7	2-Chloronaphthalene	1.4	U
88-74-4	2-Nitroaniline	1.4	U
131-11-3	Dimethyl phthalate	1.4	U
208-96-8	Acenaphthylene	1.4	U
606-20-2	2,6-Dinitrotoluene	1.4	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-1
Matrix: (soil/water/air) WATER
Lab File ID: MAR2212.D
Sample wt/vol: 700 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.4	U
83-32-9	Acenaphthene	1.4	U
51-28-5	2,4-Dinitrophenol	7.1	U
100-02-7	4-Nitrophenol	7.1	U
132-64-9	Dibenzofuran	1.4	U
121-14-2	2,4-Dinitrotoluene	1.4	U
84-66-2	Diethyl phthalate	1.4	U
86-73-7	Fluorene	1.4	U
7005-72-3	4-Chlorophenyl phenyl ether	1.4	U
100-01-6	4-Nitroaniline	1.4	U
534-52-1	4,6-Dinitro-2-methylphenol	7.1	U
86-30-6	n-Nitrosodiphenylamine	1.4	U
101-55-3	4-Bromophenyl phenyl ether	1.4	U
118-74-1	Hexachlorobenzene	1.4	U
87-86-5	Pentachlorophenol	4.8	J
85-01-8	Phenanthrene	1.4	U
120-12-7	Anthracene	1.4	U
84-74-2	Di-n-butylphthalate	4.3	U
206-44-0	Fluoranthene	1.4	U
92-87-5	Benzidine	86	U
129-00-0	Pyrene	1.4	U
85-68-7	Butyl benzyl phthalate	1.4	U
91-94-1	3,3'-Dichlorobenzidine	1.4	U
56-55-3	Benzo(a)anthracene	1.4	U
218-01-9	Chrysene	1.4	U
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	J
117-84-0	Di-n-octyl phthalate	4.3	U
205-99-2	Benzo(b)fluoranthene	1.4	U
207-08-9	Benzo(k)fluoranthene	1.4	U
50-32-8	Benzo(a)pyrene	1.4	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U
53-70-3	Dibenz(a,h)anthracene	1.4	U
191-24-2	Benzo(g,h,i)perylene	1.4	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-2
Matrix: (soil/water/air) WATER
Lab File ID: MAR2213.D
Sample wt/vol: 590 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	5.1	U
110-86-1	Pyridine	3.4	U
108-95-2	Phenol	3.4	U
62-53-3	Aniline	3.4	U
111-44-4	bis(2-Chloroethyl)ether	1.7	U
95-57-8	2-Chlorophenol	3.4	U
541-73-1	1,3-Dichlorobenzene	1.7	U
106-46-7	1,4-Dichlorobenzene	1.7	U
95-50-1	1,2-Dichlorobenzene	1.7	U
95-48-7	2-Methylphenol	1.7	U
108-60-1	bis(2-chloroisopropyl)ether	1.7	U
106-44-5	4-Methylphenol	1.7	U
621-64-7	n-Nitroso-di-n-propylamine	1.7	U
67-72-1	Hexachloroethane	1.7	U
98-95-3	Nitrobenzene	1.7	U
78-59-1	Isophorone	1.7	U
88-75-5	2-Nitrophenol	8.5	U
105-67-9	2,4-Dimethylphenol	17	U
65-85-0	Benzoic acid	25	U
111-91-1	bis(2-Chloroethoxy)methane	1.7	U
120-83-2	2,4-Dichlorophenol	3.4	U
120-82-1	1,2,4-Trichlorobenzene	1.7	U
91-20-3	Naphthalene	1.7	U
106-47-8	4-Chloroaniline	1.7	U
87-68-3	Hexachlorobutadiene	1.7	U
59-50-7	4-Chloro-3-methylphenol	8.5	U
91-57-6	2-Methylnaphthalene	1.7	U
77-47-4	Hexachlorocyclopentadiene	1.7	U
88-06-2	2,4,6-Trichlorophenol	3.4	U
95-95-4	2,4,5-Trichlorophenol	3.4	U
91-58-7	2-Chloronaphthalene	1.7	U
88-74-4	2-Nitroaniline	1.7	U
131-11-3	Dimethyl phthalate	1.7	U
208-96-8	Acenaphthylene	1.7	U
606-20-2	2,6-Dinitrotoluene	1.7	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-2
Matrix: (soil/water/air) WATER
Lab File ID: MAR2213.D
Sample wt/vol: 590 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.7	U
83-32-9	Acenaphthene	1.7	U
51-28-5	2,4-Dinitrophenol	8.5	U
100-02-7	4-Nitrophenol	8.5	U
132-64-9	Dibenzofuran	1.7	U
121-14-2	2,4-Dinitrotoluene	1.7	U
84-66-2	Diethyl phthalate	1.7	U
86-73-7	Fluorene	1.7	U
7005-72-3	4-Chlorophenyl phenyl ether	1.7	U
100-01-6	4-Nitroaniline	1.7	U
534-52-1	4,6-Dinitro-2-methylphenol	8.5	U
86-30-6	n-Nitrosodiphenylamine	1.7	U
101-55-3	4-Bromophenyl phenyl ether	1.7	U
118-74-1	Hexachlorobenzene	1.7	U
87-86-5	Pentachlorophenol	8.5	U
85-01-8	Phenanthrene	1.7	U
120-12-7	Anthracene	1.7	U
84-74-2	Di-n-butylphthalate	5.1	U
206-44-0	Fluoranthene	1.7	U
92-87-5	Benzidine	100	U
129-00-0	Pyrene	1.7	U
85-68-7	Butyl benzyl phthalate	1.7	U
91-94-1	3,3'-Dichlorobenzidine	1.7	U
56-55-3	Benzo(a)anthracene	1.7	U
218-01-9	Chrysene	1.7	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.1	U
117-84-0	Di-n-octyl phthalate	5.1	U
205-99-2	Benzo(b)fluoranthene	1.7	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenz(a,h)anthracene	1.7	U
191-24-2	Benzo(g,h,i)perylene	1.7	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-3
Matrix: (soil/water/air) WATER
Lab File ID: MAR2214.D
Sample wt/vol: 930 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.2	U
110-86-1	Pyridine	2.2	U
108-95-2	Phenol	2.2	U
62-53-3	Aniline	2.2	U
111-44-4	bis(2-Chloroethyl)ether	1.1	U
95-57-8	2-Chlorophenol	2.2	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
95-48-7	2-Methylphenol	1.1	U
108-60-1	bis(2-chloroisopropyl)ether	1.1	U
106-44-5	4-Methylphenol	1.1	U
621-64-7	n-Nitroso-di-n-propylamine	1.1	U
67-72-1	Hexachloroethane	1.1	U
98-95-3	Nitrobenzene	1.1	U
78-59-1	Isophorone	1.1	U
88-75-5	2-Nitrophenol	5.4	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic acid	16	U
111-91-1	bis(2-Chloroethoxy)methane	1.1	U
120-83-2	2,4-Dichlorophenol	2.2	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
106-47-8	4-Chloroaniline	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
59-50-7	4-Chloro-3-methylphenol	5.4	U
91-57-6	2-Methylnaphthalene	1.1	U
77-47-4	Hexachlorocyclopentadiene	1.1	U
88-06-2	2,4,6-Trichlorophenol	2.2	U
95-95-4	2,4,5-Trichlorophenol	2.2	U
91-58-7	2-Chloronaphthalene	1.1	U
88-74-4	2-Nitroaniline	1.1	U
131-11-3	Dimethyl phthalate	1.1	U
208-96-8	Acenaphthylene	1.1	U
606-20-2	2,6-Dinitrotoluene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-3
Matrix: (soil/water/air) WATER
Lab File ID: MAR2214.D
Sample wt/vol: 930 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.1	U
83-32-9	Acenaphthene	1.1	U
51-28-5	2,4-Dinitrophenol	5.4	U
100-02-7	4-Nitrophenol	5.4	U
132-64-9	Dibenzofuran	1.1	U
121-14-2	2,4-Dinitrotoluene	1.1	U
84-66-2	Diethyl phthalate	1.1	U
86-73-7	Fluorene	1.1	U
7005-72-3	4-Chlorophenyl phenyl ether	1.1	U
100-01-6	4-Nitroaniline	1.1	U
534-52-1	4,6-Dinitro-2-methylphenol	5.4	U
86-30-6	n-Nitrosodiphenylamine	1.1	U
101-55-3	4-Bromophenyl phenyl ether	1.1	U
118-74-1	Hexachlorobenzene	1.1	U
87-86-5	Pentachlorophenol	5.4	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
84-74-2	Di-n-butylphthalate	3.2	U
206-44-0	Fluoranthene	1.1	U
92-87-5	Benzidine	65	U
129-00-0	Pyrene	1.1	U
85-68-7	Butyl benzyl phthalate	1.1	U
91-94-1	3,3'-Dichlorobenzidine	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	U
117-84-0	Di-n-octyl phthalate	3.2	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenz(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-5
Matrix: (soil/water/air) WATER
Lab File ID: MAR2215.D
Sample wt/vol: 630 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	4.8	U
110-86-1	Pyridine	3.2	U
108-95-2	Phenol	3.2	U
62-53-3	Aniline	3.2	U
111-44-4	bis(2-Chloroethyl)ether	1.6	U
95-57-8	2-Chlorophenol	3.2	U
541-73-1	1,3-Dichlorobenzene	1.6	U
106-46-7	1,4-Dichlorobenzene	1.6	U
95-50-1	1,2-Dichlorobenzene	1.6	U
95-48-7	2-Methylphenol	1.6	U
108-60-1	bis(2-chloroisopropyl)ether	1.6	U
106-44-5	4-Methylphenol	1.6	U
621-64-7	n-Nitroso-di-n-propylamine	1.6	U
67-72-1	Hexachloroethane	1.6	U
98-95-3	Nitrobenzene	1.6	U
78-59-1	Isophorone	1.6	U
88-75-5	2-Nitrophenol	7.9	U
105-67-9	2,4-Dimethylphenol	16	U
65-85-0	Benzoic acid	24	U
111-91-1	bis(2-Chloroethoxy)methane	1.6	U
120-83-2	2,4-Dichlorophenol	3.2	U
120-82-1	1,2,4-Trichlorobenzene	1.6	U
91-20-3	Naphthalene	1.6	U
106-47-8	4-Chloroaniline	1.6	U
87-68-3	Hexachlorobutadiene	1.6	U
59-50-7	4-Chloro-3-methylphenol	7.9	U
91-57-6	2-Methylnaphthalene	1.6	U
77-47-4	Hexachlorocyclopentadiene	1.6	U
88-06-2	2,4,6-Trichlorophenol	3.2	U
95-95-4	2,4,5-Trichlorophenol	3.2	U
91-58-7	2-Chloronaphthalene	1.6	U
88-74-4	2-Nitroaniline	1.6	U
131-11-3	Dimethyl phthalate	1.6	U
208-96-8	Acenaphthylene	1.6	U
606-20-2	2,6-Dinitrotoluene	1.6	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-5
Matrix: (soil/water/air) WATER
Lab File ID: MAR2215.D
Sample wt/vol: 630 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.6	U
83-32-9	Acenaphthene	1.6	U
51-28-5	2,4-Dinitrophenol	7.9	U
100-02-7	4-Nitrophenol	7.9	U
132-64-9	Dibenzofuran	1.6	U
121-14-2	2,4-Dinitrotoluene	1.6	U
84-66-2	Diethyl phthalate	1.6	U
86-73-7	Fluorene	1.6	U
7005-72-3	4-Chlorophenyl phenyl ether	1.6	U
100-01-6	4-Nitroaniline	1.6	U
534-52-1	4,6-Dinitro-2-methylphenol	7.9	U
86-30-6	n-Nitrosodiphenylamine	1.6	U
101-55-3	4-Bromophenyl phenyl ether	1.6	U
118-74-1	Hexachlorobenzene	1.6	U
87-86-5	Pentachlorophenol	7.9	U
85-01-8	Phenanthrene	1.6	U
120-12-7	Anthracene	1.6	U
84-74-2	Di-n-butylphthalate	4.8	U
206-44-0	Fluoranthene	1.6	U
92-87-5	Benzidine	95	U
129-00-0	Pyrene	1.6	U
85-68-7	Butyl benzyl phthalate	1.6	U
91-94-1	3,3'-Dichlorobenzidine	1.6	U
56-55-3	Benzo(a)anthracene	1.6	U
218-01-9	Chrysene	1.6	U
117-81-7	bis(2-Ethylhexyl)phthalate	4.8	U
117-84-0	Di-n-octyl phthalate	4.8	U
205-99-2	Benzo(b)fluoranthene	1.6	U
207-08-9	Benzo(k)fluoranthene	1.6	U
50-32-8	Benzo(a)pyrene	1.6	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	U
53-70-3	Dibenz(a,h)anthracene	1.6	U
191-24-2	Benzo(g,h,i)perylene	1.6	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-6
Matrix: (soil/water/air) WATER
Lab File ID: MAR2216.D
Sample wt/vol: 590 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	5.1	U
110-86-1	Pyridine	3.4	U
108-95-2	Phenol	3.4	U
62-53-3	Aniline	3.4	U
111-44-4	bis(2-Chloroethyl)ether	1.7	U
95-57-8	2-Chlorophenol	3.4	U
541-73-1	1,3-Dichlorobenzene	1.7	U
106-46-7	1,4-Dichlorobenzene	1.7	U
95-50-1	1,2-Dichlorobenzene	1.7	U
95-48-7	2-Methylphenol	1.7	U
108-60-1	bis(2-chloroisopropyl)ether	1.7	U
106-44-5	4-Methylphenol	1.7	U
621-64-7	n-Nitroso-di-n-propylamine	1.7	U
67-72-1	Hexachloroethane	1.7	U
98-95-3	Nitrobenzene	1.7	U
78-59-1	Isophorone	1.7	U
88-75-5	2-Nitrophenol	8.5	U
105-67-9	2,4-Dimethylphenol	17	U
65-85-0	Benzoic acid	25	U
111-91-1	bis(2-Chloroethoxy)methane	1.7	U
120-83-2	2,4-Dichlorophenol	3.4	U
120-82-1	1,2,4-Trichlorobenzene	1.7	U
91-20-3	Naphthalene	1.7	U
106-47-8	4-Chloroaniline	1.7	U
87-68-3	Hexachlorobutadiene	1.7	U
59-50-7	4-Chloro-3-methylphenol	8.5	U
91-57-6	2-Methylnaphthalene	1.7	U
77-47-4	Hexachlorocyclopentadiene	1.7	U
88-06-2	2,4,6-Trichlorophenol	3.4	U
95-95-4	2,4,5-Trichlorophenol	3.4	U
91-58-7	2-Chloronaphthalene	1.7	U
88-74-4	2-Nitroaniline	1.7	U
131-11-3	Dimethyl phthalate	1.7	U
208-96-8	Acenaphthylene	1.7	U
606-20-2	2,6-Dinitrotoluene	1.7	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-6
Matrix: (soil/water/air) WATER
Lab File ID: MAR2216.D
Sample wt/vol: 590 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.7	U
83-32-9	Acenaphthene	1.7	U
51-28-5	2,4-Dinitrophenol	8.5	U
100-02-7	4-Nitrophenol	8.5	U
132-64-9	Dibenzofuran	1.7	U
121-14-2	2,4-Dinitrotoluene	1.7	U
84-66-2	Diethyl phthalate	1.7	U
86-73-7	Fluorene	1.7	U
7005-72-3	4-Chlorophenyl phenyl ether	1.7	U
100-01-6	4-Nitroaniline	1.7	U
534-52-1	4,6-Dinitro-2-methylphenol	8.5	U
86-30-6	n-Nitrosodiphenylamine	1.7	U
101-55-3	4-Bromophenyl phenyl ether	1.7	U
118-74-1	Hexachlorobenzene	1.7	U
87-86-5	Pentachlorophenol	8.5	U
85-01-8	Phenanthrene	1.7	U
120-12-7	Anthracene	1.7	U
84-74-2	Di-n-butylphthalate	5.1	U
206-44-0	Fluoranthene	1.7	U
92-87-5	Benzidine	100	U
129-00-0	Pyrene	1.7	U
85-68-7	Butyl benzyl phthalate	1.7	U
91-94-1	3,3'-Dichlorobenzidine	1.7	U
56-55-3	Benzo(a)anthracene	1.7	U
218-01-9	Chrysene	1.7	U
117-81-7	bis(2-Ethylhexyl)phthalate	5.1	U
117-84-0	Di-n-octyl phthalate	5.1	U
205-99-2	Benzo(b)fluoranthene	1.7	U
207-08-9	Benzo(k)fluoranthene	1.7	U
50-32-8	Benzo(a)pyrene	1.7	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	U
53-70-3	Dibenz(a,h)anthracene	1.7	U
191-24-2	Benzo(g,h,i)perylene	1.7	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: M-7SD
Matrix: (soil/water/air) WATER
Lab File ID: MAR2217.D
Sample wt/vol: 890 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.4	U
110-86-1	Pyridine	2.2	U
108-95-2	Phenol	2.2	U
62-53-3	Aniline	2.2	U
111-44-4	bis(2-Chloroethyl)ether	1.1	U
95-57-8	2-Chlorophenol	2.2	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
95-48-7	2-Methylphenol	1.1	U
108-60-1	bis(2-chloroisopropyl)ether	1.1	U
106-44-5	4-Methylphenol	1.1	U
621-64-7	n-Nitroso-di-n-propylamine	1.1	U
67-72-1	Hexachloroethane	1.1	U
98-95-3	Nitrobenzene	1.1	U
78-59-1	Isophorone	1.1	U
88-75-5	2-Nitrophenol	5.6	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic acid	17	U
111-91-1	bis(2-Chloroethoxy)methane	1.1	U
120-83-2	2,4-Dichlorophenol	2.2	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
106-47-8	4-Chloroaniline	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
59-50-7	4-Chloro-3-methylphenol	5.6	U
91-57-6	2-Methylnaphthalene	1.1	U
77-47-4	Hexachlorocyclopentadiene	1.1	U
88-06-2	2,4,6-Trichlorophenol	2.2	U
95-95-4	2,4,5-Trichlorophenol	2.2	U
91-58-7	2-Chloronaphthalene	1.1	U
88-74-4	2-Nitroaniline	1.1	U
131-11-3	Dimethyl phthalate	1.1	U
208-96-8	Acenaphthylene	1.1	U
606-20-2	2,6-Dinitrotoluene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: M-7SD
Matrix: (soil/water/air) WATER
Lab File ID: MAR2217.D
Sample wt/vol: 890 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.1	U
83-32-9	Acenaphthene	1.1	U
51-28-5	2,4-Dinitrophenol	5.6	U
100-02-7	4-Nitrophenol	5.6	U
132-64-9	Dibenzofuran	1.1	U
121-14-2	2,4-Dinitrotoluene	1.1	U
84-66-2	Diethyl phthalate	1.1	U
86-73-7	Fluorene	1.1	U
7005-72-3	4-Chlorophenyl phenyl ether	1.1	U
100-01-6	4-Nitroaniline	1.1	U
534-52-1	4,6-Dinitro-2-methylphenol	5.6	U
86-30-6	n-Nitrosodiphenylamine	1.1	U
101-55-3	4-Bromophenyl phenyl ether	1.1	U
118-74-1	Hexachlorobenzene	1.1	U
87-86-5	Pentachlorophenol	5.6	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
84-74-2	Di-n-butylphthalate	3.4	U
206-44-0	Fluoranthene	1.1	U
92-87-5	Benzidine	67	U
129-00-0	Pyrene	1.1	U
85-68-7	Butyl benzyl phthalate	1.1	U
91-94-1	3,3'-Dichlorobenzidine	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.4	U
117-84-0	Di-n-octyl phthalate	3.4	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenz(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: M-7TWB
Matrix: (soil/water/air) WATER
Lab File ID: MAR2218.D
Sample wt/vol: 910 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.3	U
110-86-1	Pyridine	2.2	U
108-95-2	Phenol	2.2	U
62-53-3	Aniline	2.2	U
111-44-4	bis(2-Chloroethyl)ether	1.1	U
95-57-8	2-Chlorophenol	2.2	U
541-73-1	1,3-Dichlorobenzene	1.1	U
106-46-7	1,4-Dichlorobenzene	1.1	U
95-50-1	1,2-Dichlorobenzene	1.1	U
95-48-7	2-Methylphenol	1.1	U
108-60-1	bis(2-chloroisopropyl)ether	1.1	U
106-44-5	4-Methylphenol	1.1	U
621-64-7	n-Nitroso-di-n-propylamine	1.1	U
67-72-1	Hexachloroethane	1.1	U
98-95-3	Nitrobenzene	1.1	U
78-59-1	Isophorone	1.1	U
88-75-5	2-Nitrophenol	5.5	U
105-67-9	2,4-Dimethylphenol	11	U
65-85-0	Benzoic acid	16	U
111-91-1	bis(2-Chloroethoxy)methane	1.1	U
120-83-2	2,4-Dichlorophenol	2.2	U
120-82-1	1,2,4-Trichlorobenzene	1.1	U
91-20-3	Naphthalene	1.1	U
106-47-8	4-Chloroaniline	1.1	U
87-68-3	Hexachlorobutadiene	1.1	U
59-50-7	4-Chloro-3-methylphenol	5.5	U
91-57-6	2-Methylnaphthalene	1.1	U
77-47-4	Hexachlorocyclopentadiene	1.1	U
88-06-2	2,4,6-Trichlorophenol	2.2	U
95-95-4	2,4,5-Trichlorophenol	2.2	U
91-58-7	2-Chloronaphthalene	1.1	U
88-74-4	2-Nitroaniline	1.1	U
131-11-3	Dimethyl phthalate	1.1	U
208-96-8	Acenaphthylene	1.1	U
606-20-2	2,6-Dinitrotoluene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: M-7TWB
Matrix: (soil/water/air) WATER
Lab File ID: MAR2218.D
Sample wt/vol: 910 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/23/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.1	U
83-32-9	Acenaphthene	1.1	U
51-28-5	2,4-Dinitrophenol	5.5	U
100-02-7	4-Nitrophenol	5.5	U
132-64-9	Dibenzofuran	1.1	U
121-14-2	2,4-Dinitrotoluene	1.1	U
84-66-2	Diethyl phthalate	1.1	U
86-73-7	Fluorene	1.1	U
7005-72-3	4-Chlorophenyl phenyl ether	1.1	U
100-01-6	4-Nitroaniline	1.1	U
534-52-1	4,6-Dinitro-2-methylphenol	5.5	U
86-30-6	n-Nitrosodiphenylamine	1.1	U
101-55-3	4-Bromophenyl phenyl ether	1.1	U
118-74-1	Hexachlorobenzene	1.1	U
87-86-5	Pentachlorophenol	5.5	U
85-01-8	Phenanthrene	1.1	U
120-12-7	Anthracene	1.1	U
84-74-2	Di-n-butylphthalate	3.3	U
206-44-0	Fluoranthene	1.1	U
92-87-5	Benzidine	60	J
129-00-0	Pyrene	1.1	U
85-68-7	Butyl benzyl phthalate	1.1	U
91-94-1	3,3'-Dichlorobenzidine	1.1	U
56-55-3	Benzo(a)anthracene	1.1	U
218-01-9	Chrysene	1.1	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.3	U
117-84-0	Di-n-octyl phthalate	3.3	U
205-99-2	Benzo(b)fluoranthene	1.1	U
207-08-9	Benzo(k)fluoranthene	1.1	U
50-32-8	Benzo(a)pyrene	1.1	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.1	U
53-70-3	Dibenz(a,h)anthracene	1.1	U
191-24-2	Benzo(g,h,i)perylene	1.1	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060321
Matrix: (soil/water/air) WATER
Lab File ID: MAR2210.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/22/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
62-75-9	n-Nitrosodimethylamine	3.0	U
110-86-1	Pyridine	2.0	U
108-95-2	Phenol	2.0	U
62-53-3	Aniline	2.0	U
111-44-4	bis(2-Chloroethyl)ether	1.0	U
95-57-8	2-Chlorophenol	2.0	U
541-73-1	1,3-Dichlorobenzene	1.0	U
106-46-7	1,4-Dichlorobenzene	1.0	U
95-50-1	1,2-Dichlorobenzene	1.0	U
95-48-7	2-Methylphenol	1.0	U
108-60-1	bis(2-chloroisopropyl)ether	1.0	U
106-44-5	4-Methylphenol	1.0	U
621-64-7	n-Nitroso-di-n-propylamine	1.0	U
67-72-1	Hexachloroethane	1.0	U
98-95-3	Nitrobenzene	1.0	U
78-59-1	Isophorone	1.0	U
88-75-5	2-Nitrophenol	5.0	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic acid	15	U
111-91-1	bis(2-Chloroethoxy)methane	1.0	U
120-83-2	2,4-Dichlorophenol	2.0	U
120-82-1	1,2,4-Trichlorobenzene	1.0	U
91-20-3	Naphthalene	1.0	U
106-47-8	4-Chloroaniline	1.0	U
87-68-3	Hexachlorobutadiene	1.0	U
59-50-7	4-Chloro-3-methylphenol	5.0	U
91-57-6	2-Methylnaphthalene	1.0	U
77-47-4	Hexachlorocyclopentadiene	1.0	U
88-06-2	2,4,6-Trichlorophenol	2.0	U
95-95-4	2,4,5-Trichlorophenol	2.0	U
91-58-7	2-Chloronaphthalene	1.0	U
88-74-4	2-Nitroaniline	1.0	U
131-11-3	Dimethyl phthalate	1.0	U
208-96-8	Acenaphthylene	1.0	U
606-20-2	2,6-Dinitrotoluene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0316-14
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060321
Matrix: (soil/water/air) WATER
Lab File ID: MAR2210.D
Sample wt/vol: 1000 (g/ml) ML
Date Sampled: 3/15/2006
Level: (low/med) LOW
Date Extracted: 3/21/2006
% Moisture:
Date Analyzed: 3/22/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/L	Q
99-09-2	3-Nitroaniline	1.0	U
83-32-9	Acenaphthene	1.0	U
51-28-5	2,4-Dinitrophenol	5.0	U
100-02-7	4-Nitrophenol	5.0	U
132-64-9	Dibenzofuran	1.0	U
121-14-2	2,4-Dinitrotoluene	1.0	U
84-66-2	Diethyl phthalate	1.0	U
86-73-7	Fluorene	1.0	U
7005-72-3	4-Chlorophenyl phenyl ether	1.0	U
100-01-6	4-Nitroaniline	1.0	U
534-52-1	4,6-Dinitro-2-methylphenol	5.0	U
86-30-6	n-Nitrosodiphenylamine	1.0	U
101-55-3	4-Bromophenyl phenyl ether	1.0	U
118-74-1	Hexachlorobenzene	1.0	U
87-86-5	Pentachlorophenol	5.0	U
85-01-8	Phenanthrene	1.0	U
120-12-7	Anthracene	1.0	U
84-74-2	Di-n-butylphthalate	3.0	U
206-44-0	Fluoranthene	1.0	U
92-87-5	Benzidine	60	U
129-00-0	Pyrene	1.0	U
85-68-7	Butyl benzyl phthalate	1.0	U
91-94-1	3,3'-Dichlorobenzidine	1.0	U
56-55-3	Benzo(a)anthracene	1.0	U
218-01-9	Chrysene	1.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	U
117-84-0	Di-n-octyl phthalate	3.0	U
205-99-2	Benzo(b)fluoranthene	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	U
50-32-8	Benzo(a)pyrene	1.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1.0	U
53-70-3	Dibenz(a,h)anthracene	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2C

WATER SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0316-14

Lab Code: RI010 Client Name: Woodard & Curran

	Sample ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SBLK060321	58	33	90	86	136	106	0
02	SLCS060321	63	38	100	100	161	112	0
03	MW-1	60	38	85	80	152	113	0
04	MW-2	78	53	93	91	142	104	0
05	MW-3	57	31	98	91	144	111	0
06	MW-5	70	43	96	92	158	107	0
07	MW-6	70	45	86	84	146	97	0
08	M-7SD	50	27	88	89	130	108	0
09	M-7TWB	57	31	85	84	125	103	0

QC LIMITS

S1	=	2-Fluorophenol	(9-124)
S2	=	Phenol-d6	(1-108)
S3	=	Nitrobenzene-d5	(36-117)
S4	=	2-Fluorobiphenyl	(41-106)
S5	=	2,4,6-Tribromophenol	(46-166)
S6	=	Terphenyl-d14	(40-152)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Semivolatile Water Laboratory Control Spike

Date Extracted: 3/21/2006
Date Analyzed: 3/22/2006

	Amount Spiked ug/L	Result, ug/L	Recovery %	Recovery Limits
n-Nitrosodimethylamine	50	27	54	30-130
Pyridine	50	19	38	40-140
Phenol	50	17	33	30-130
Aniline	50	70	139	40-140
bis(2-Chloroethyl)ether	50	40	80	40-140
2-Chlorophenol	50	38	76	30-130
1,3-Dichlorobenzene	50	37	74	40-140
1,4-Dichlorobenzene	50	38	75	40-140
Benzyl alcohol	50	47	94	40-140
1,2-Dichlorobenzene	50	36	72	40-140
2-Methylphenol	50	32	64	30-130
bis(2-chloroisopropyl)ether	50	42	84	40-140
4-Methylphenol	50	29	57	30-130
n-Nitroso-di-n-propylamine	50	44	88	40-140
Hexachloroethane	50	39	78	40-140
Nitrobenzene	50	44	88	40-140
Isophorone	50	44	88	40-140
2-Nitrophenol	50	46	93	30-130
2,4-Dimethylphenol	50	40	79	30-130
bis(2-Chloroethoxy)methane	50	46	92	40-140
2,4-Dichlorophenol	50	43	85	40-160
1,2,4-Trichlorobenzene	50	40	81	40-140
Naphthalene	50	44	88	40-140
4-Chloroaniline	50	114	227	30-140
Hexachlorobutadiene	50	38	76	40-140
4-Chloro-3-methylphenol	50	41	83	30-130
2-Methylnaphthalene	50	41	82	40-140
Hexachlorocyclopentadiene	50	46	91	40-140
2,4,6-Trichlorophenol	50	44	88	30-130
2,4,5-Trichlorophenol	50	40	79	30-130
2-Chloronaphthalene	50	41	82	40-140
2-Nitroaniline	50	56	112	40-140
Dimethyl phthalate	50	45	89	40-140
Acenaphthylene	50	49	98	40-140
2,6-Dinitrotoluene	50	44	89	40-140
Acenaphthene	50	43	86	40-140
2,4-Dinitrophenol	50	40	81	30-130
4-Nitrophenol	50	20	41	30-130
Dibenzofuran	50	46	93	40-140
2,4-Dinitrotoluene	50	45	89	40-140
Diethyl phthalate	50	45	90	40-140
Fluorene	50	45	91	40-140
4-Chlorophenyl phenyl ethe	50	44	89	40-140

Semivolatile Water Laboratory Control Spike

Date Extracted: 3/21/2006
Date Analyzed: 3/22/2006

4,6-Dinitro-2-methylphenol	50	204	408	30-130
n-Nitrosodiphenylamine	50	71	141	40-140
Diphenylamine	50	71	141	40-140
4-Bromophenyl phenyl ether	50	48	97	40-140
Hexachlorobenzene	50	46	92	40-140
Phenanthrene	50	49	97	40-140
Anthracene	50	48	96	40-140
Di-n-butylphthalate	50	46	93	40-140
Fluoranthene	50	46	92	40-140
Pyrene	50	50	101	40-140
Butyl benzyl phthalate	50	47	93	40-140
Benzo(a)anthracene	50	47	94	40-140
Chrysene	50	48	96	40-140
bis(2-Ethylhexyl)phthalate	50	47	95	40-140
Di-n-octyl phthalate	50	43	86	40-140
Benzo(b)fluoranthene	50	47	94	40-140
Benzo(k)fluoranthene	50	50	101	40-140
Benzo(a)pyrene	50	49	98	40-140
Indeno(1,2,3-cd)pyrene	50	47	95	40-140
Dibenz(a,h)anthracene	50	48	96	40-140
Benzo(g,h,i)perylene	50	48	96	40-140

RESULTS: VOLATILE PETROLEUM HYDROCARBONS

Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	X Aqueous	_ Soil _ Sediment _ Other:	
Containers	X Satisfactory	_ Broken _ Leaking:	
Sample Preservatives	Aqueous	_ N/A X pH≤2 _ pH>2 Comment:	
	Soil or Sediment	_ N/A _ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		_ Samples rec'd in Methanol: _ covering soil _ not covering soil	_ 1:1 +/- 25%
		_ Samples received in air-tight container:	_ Other:
Temperature	X Received on Ice	X Received at 4° C _Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	MW-2
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	3/15/06
PID: Fluorobenzene			Date Received	3/16/06
FID: Fluorobenzene			Date Analyzed	3/23/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				92
FID Surrogate % Recovery				91
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /s/ POSITION: Laboratory Director .

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous	_ Soil _ Sediment _ Other:	
Containers	X Satisfactory	_ Broken _ Leaking:	
Sample Preservatives	Aqueous	_ N/A X pH≤2 _ pH>2 Comment:	
	Soil or Sediment	_ N/A _ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		_ Samples rec'd in Methanol: _ covering soil _ not covering soil	_ 1:1 +/- 25%
		_ Samples received in air-tight container:	_ Other:
Temperature	X Received on Ice	X Received at 4° C _Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	MW-5
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	3/15/06
PID: Fluorobenzene			Date Received	3/16/06
FID: Fluorobenzene			Date Analyzed	3/24/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	65
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	65
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				100
FID Surrogate % Recovery				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /S POSITION: Laboratory Director .

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous	_ Soil _ Sediment _ Other:	
Containers	X Satisfactory	_ Broken _ Leaking:	
Sample Preservatives	Aqueous	_ N/A X pH≤2 _ pH>2 Comment:	
	Soil or Sediment	_ N/A _ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		_ Samples rec'd in Methanol: _ covering soil _ not covering soil	_ 1:1 +/- 25%
		_ Samples received in air-tight container:	_ Other:
Temperature	X Received on Ice	X Received at 4° C _Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	MW-6
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	3/15/06
PID: Fluorobenzene			Date Received	3/16/06
FID: Fluorobenzene			Date Analyzed	3/24/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				95
FID Surrogate % Recovery				93
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: Mark H. Bishop /S POSITION: Laboratory Director .

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous	_ Soil _ Sediment _ Other:	
Containers	X Satisfactory	_ Broken _ Leaking:	
Sample Preservatives	Aqueous	_ N/A X pH≤2 _ pH>2 Comment:	
	Soil or Sediment	_ N/A _ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		_ Samples rec'd in Methanol: _ covering soil _ not covering soil	_ 1:1 +/- 25%
		_ Samples received in air-tight container:	_ Other:
Temperature	X Received on Ice	X Received at 4° C _Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	M-7SD
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	3/15/06
PID: Fluorobenzene			Date Received	3/16/06
FID: Fluorobenzene			Date Analyzed	3/23/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				97
FID Surrogate % Recovery				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous	_ Soil _ Sediment _ Other:	
Containers	X Satisfactory	_ Broken _ Leaking:	
Sample Preservatives	Aqueous	_ N/A X pH≤2 _ pH>2 Comment:	
	Soil or Sediment	_ N/A _ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		_ Samples rec'd in Methanol: _ covering soil _ not covering soil	_ 1:1 +/- 25%
		_ Samples received in air-tight container:	_ Other:
Temperature	X Received on Ice	X Received at 4° C _Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	M-7TWB
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	3/15/06
PID: Fluorobenzene			Date Received	3/16/06
FID: Fluorobenzene			Date Analyzed	3/23/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				95
FID Surrogate % Recovery				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: Mark H. Bishop /s/ POSITION: Laboratory Director .

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous	__ Soil __ Sediment __ Other:	
Containers	__ Satisfactory	__ Broken __ Leaking:	
Sample Preservatives	Aqueous	X N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: __ covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	__ Received on Ice	__ Received at 4° C __ Other:	

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0316-14
VPH Surrogate Standards			Date Collected	NA
PID: Fluorobenzene			Date Received	NA
FID: Fluorobenzene			Date Analyzed	3/23/06
			Dilution Factor	1X
			% Moisture (soil)	NA
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	50	ug/L	<50
Unadjusted C9-C12 Aliphatics[1]	N/A	50	ug/L	<50
Benzene	C5-C8	5	ug/L	<5
Ethylbenzene	C9-C12	5	ug/L	<5
Methyl-tert-butylether	C5-C8	10	ug/L	<10
Naphthalene	N/A	10	ug/L	<10
Toluene	C5-C8	5	ug/L	<5
m- & p- Xylenes	C9-C12	10	ug/L	<10
o-Xylene	C9-C12	10	ug/L	<10
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	50	ug/L	<50
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	50	ug/L	<50
C9-C10 Aromatic Hydrocarbons[1]	N/A	50	ug/L	<50
PID Surrogate % Recovery				85
FID Surrogate % Recovery				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /s/ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

VPH Laboratory Control Spike - Water

Date Analyzed: 3/23/06

	Amount Spiked, µg/L	Result, µg/L	Recovery, %	Recovery Limits, %
TBME	100.0	54	54	40-140
Benzene	100.0	103	103	40-140
Toluene	100.0	101	101	40-140
Ethylbenzene	100.0	99	99	40-140
m&p Xylene	200.0	186	93	40-140
o-Xylene	100.0	94	94	40-140
Naphthalene	100.0	177	177	N/A
Pentane	100.0	82	82	40-140
2-Methyl pentane	100.0	84	84	40-140
2,2,4-trimethylpentane	100.0	88	88	40-140

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-1
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				59
Aromatic Surrogate % Recovery				70
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				70
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-2
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				92
Aromatic Surrogate % Recovery				67
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				84
Fractionation Surrogate % Recovery				77
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-5
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	2
	2-Methylnaphthalene	1	ug/L	1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				72
Aromatic Surrogate % Recovery				72
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				84
Fractionation Surrogate % Recovery				75
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-6
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				77
Aromatic Surrogate % Recovery				80
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				89
Fractionation Surrogate % Recovery				82
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	M-7SD
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				64
Aromatic Surrogate % Recovery				58
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				72
Fractionation Surrogate % Recovery				66
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	N/A X pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	M-7TWB
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	3/15/06
Aliphatic: Chlorooctadecane			Date Received	3/16/06
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/23/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				64
Aromatic Surrogate % Recovery				68
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				82
Fractionation Surrogate % Recovery				76
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

SAMPLE INFORMATION

Matrix	X Aqueous Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Separatory Funnel Soil: N/A

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0316-14
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	3/20/06
EPH Fractionation Surrogates			Date Analyzed	3/22/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	N/A
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		50	ug/L	<50
Diesel PAH Analytes	Naphthalene	1	ug/L	<1
	2-Methylnaphthalene	1	ug/L	<1
	Phenanthrene	1	ug/L	<1
	Acenaphthylene	1	ug/L	<1
Other Target PAH Analytes	Acenaphthene	5	ug/L	<5
	Fluorene	5	ug/L	<5
	Anthracene	5	ug/L	<5
	Fluoranthene	5	ug/L	<5
	Pyrene	5	ug/L	<5
	Benzo(a)anthracene	1	ug/L	<1
	Chrysene	2	ug/L	<2
	Benzo(b)fluoranthene	1	ug/L	<1
	Benzo(k)fluoranthene	1	ug/L	<1
	Benzo(a)pyrene	0.2	ug/L	<0.2
	Indeno(1,2,3-cd)pyrene	0.5	ug/L	<0.5
	Dibenzo(a,h)anthracene	0.5	ug/L	<0.5
	Benzo(g,h,i)perylene	5	ug/L	<5
C9-C18 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C19-C36 Aliphatic Hydrocarbons[1]		50	ug/L	<50
C11-C22 Aromatic Hydrocarbons[1,2]		50	ug/L	<50
Aliphatic Surrogate % Recovery				60
Aromatic Surrogate % Recovery				74
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				89
Fractionation Surrogate % Recovery				82
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 4/3/2006

LABORATORY CONTROL SPIKE

Extractable Petroleum Hydrocarbons
Matrix: Water
Date extracted: 3/20/2006
Date analyzed: 3/22/2006

Analyte	TRUE Value	Result, ug/l	Recovery, %	QC Limits
Aliphatics C_9 to C_{18}	240	140	58	40-160
Aliphatics C_{19} to C_{36}	320	198	62	40-160
Aromatics C_{11} to C_{22}	680	501	74	40-160
Naphthalene	40	28	71	40-160
2-Methylnaphthalene	40	27	68	40-160
Acenaphthylene	40	30	76	40-160
Acenaphthene	40	30	76	40-160
Fluorene	40	31	77	40-160
Phenanthrene	40	31	77	40-160
Anthracene	40	29	74	40-160
Fluoranthene	40	30	74	40-160
Pyrene	40	30	75	40-160
Benzo(a)anthracene	40	30	75	40-160
Chrysene	40	30	74	40-160
Benzo(b) fluoranthene	40	29	73	40-160
Benzo(k)fluoranthene	40	30	76	40-160
Benzo(a)pyrene	40	29	73	40-160
Indeno-(1,2,3-cd) pyrene	40	28	70	40-160
Dibenzo(a,h)anthracene	40	30	75	40-160
Benzo(g,h,i)perylene	40	29	74	40-160

Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

R0316-14

PROJ. NO. 218390 | PROJECT NAME: Holbrook chemical

CLIENT: Woodard & Curran - Craig Blake

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	EPH	VPH	RCRA 8 metals - dissolved	SVOC	Pesticides	VOCs	REMARKS
MW-1	3/15	1100		X		6	X		X	X	X	X	
MW-2		805		X		8	X	X	X	X	X	X	
MW-3		805		X		5			X	X	X	X	
MW-5		930		X		8	X	X	X	X	X	X	
MW-6		930		X		8	X	X	X	X	X	X	
M-7SD		1345		X		8	X	X	X	X	X	X	
M-7TWB	↓	1430		X		7	X	X	X	X		X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/16/06 9:25AM				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		A Sweeny	3/16/06 1144	* RCRA 8 metals samples field filtered w/ 0.45 micron filter.	

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0310-08

Prepared for:

Attn: Craig Blake
Woodard & Curran
980 Washington St. 325N
Dedham, MA 02026

Report Date: March 20, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 218390

Project Location: Holbrook Chemical RTN[1]:

This form provides certifications for the following data set: R0310-08

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A (X)	VPH (X)	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH (X)	7000 S[3] ( )	Other: (X)

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

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

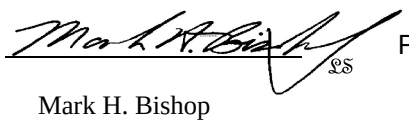
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 3/20/2006

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 218390

Project Location: Holbrook Chemical RTN[1]:

This form provides certifications for the following data set: R0310-08

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

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

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

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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory

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

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 03/16/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 10, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0310-08.

Custody records are included in this report.

Site: Holbrook Chemical

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
MW-1 0-7	3/9/06	Soil	Table II, III
MW-2 5-7	3/9/06	Soil	Table II, III, IV
MW-4 5-7	3/9/06	Soil	Table II, IV

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organics Compounds	5035	8260B
Semivolatile Organic Compounds	3541	8270C
EPH	NA	*
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Pesticides	3541	8081A

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
VPH	NA	**

These methods are documented in:

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

**Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip or field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Volatile Organic Compounds:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Semivolatile Organic Compounds:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria, with the following exceptions:

- Recovery of the acid surrogate compound 2,4,6-Tribromophenol exceeded the upper QC limit in the LCS sample and the three field samples. This does not adversely affect sample results, as the only acid compound detected in the field samples was Phenol. The surrogate Phenol-d6 was within QC limits for all samples.
- The compounds di-n-Butylphthalate and bis(2-Ethylhexyl)phthalate were detected in the method blank at compounds marginally exceeded the reporting limit. These compounds were also detected in each of the field samples; these results have been annotated with a "B" qualifier for this reason.
- The following compounds exhibited high recovery in the LCS sample: Aniline, 4-Chloroaniline, 2-Nitroaniline, Diphenylamine, 3,3'-Dichlorobenzidine. This does not adversely affect sample results, as these compounds were not detected in any of the field samples or in the method blank.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Pesticides:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: R0310-08
Sample ID: MW-1 0-7
Date collected: 3/9/06
Matrix SOIL
Solids, % 83.32
Sample Type: Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.04	0.74	0.74	mg/kg	3/14/06	3/14/06
Barium	7440-39-3	3050B	6010B	34	0.37	0.37	mg/kg	3/14/06	3/14/06
Cadmium	7440-43-9	3050B	6010B	0.52	0.37	0.37	mg/kg	3/14/06	3/14/06
Chromium	7440-47-3	3050B	6010B	11	0.37	0.37	mg/kg	3/14/06	3/14/06
Lead	7439-92-1	3050B	6010B	23	0.37	0.37	mg/kg	3/14/06	3/14/06
Mercury	7439-97-6	NA	7471A	0.062	0.062	0.062	mg/kg	3/14/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.74	0.74	mg/kg	3/14/06	3/14/06
Silver	7440-22-4	3050B	6010B	ND	0.37	0.37	mg/kg	3/14/06	3/14/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0310-08
Sample ID: MW-2 5-7
Date collected: 3/9/06
Matrix SOIL
Solids, % 97.11
Sample Type: Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/14/06	3/14/06
Barium	7440-39-3	3050B	6010B	23	0.33	0.33	mg/kg	3/14/06	3/14/06
Cadmium	7440-43-9	3050B	6010B	0.47	0.33	0.33	mg/kg	3/14/06	3/14/06
Chromium	7440-47-3	3050B	6010B	7.56	0.33	0.33	mg/kg	3/14/06	3/14/06
Lead	7439-92-1	3050B	6010B	5.08	0.33	0.33	mg/kg	3/14/06	3/14/06
Mercury	7439-97-6	NA	7471A	ND	0.061	0.061	mg/kg	3/14/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/14/06	3/14/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/14/06	3/14/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0310-08
Sample ID: MW-4 5-7
Date collected: 3/9/06
Matrix SOIL
Solids, % 89.93
Sample Type: Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.25	0.69	0.69	mg/kg	3/14/06	3/14/06
Barium	7440-39-3	3050B	6010B	21	0.35	0.35	mg/kg	3/14/06	3/14/06
Cadmium	7440-43-9	3050B	6010B	0.42	0.35	0.35	mg/kg	3/14/06	3/14/06
Chromium	7440-47-3	3050B	6010B	6.60	0.35	0.35	mg/kg	3/14/06	3/14/06
Lead	7439-92-1	3050B	6010B	10	0.35	0.35	mg/kg	3/14/06	3/14/06
Mercury	7439-97-6	NA	7471A	ND	0.069	0.069	mg/kg	3/14/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/14/06	3/14/06
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	3/14/06	3/14/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/BNS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/14/06	3/14/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	3/14/06	3/14/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	3/14/06	3/14/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	3/14/06	3/14/06
Lead	7439-92-1	3050B	6010B	0.33	0.33	0.33	mg/kg	3/14/06	3/14/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	3/14/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/14/06	3/14/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/14/06	3/14/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	UCL, %	Date Analyzed
Arsenic	66.7	67.3	mg/kg	101	88	117	3/14/06
Barium	66.7	67.3	mg/kg	101	90	108	3/14/06
Cadmium	66.7	64.1	mg/kg	96.2	92	107	3/14/06
Chromium	66.7	64.1	mg/kg	96.1	90	110	3/14/06
Lead	66.7	64.9	mg/kg	97.4	88	111	3/14/06
Mercury	0.133	0.133	mg/kg	100	88	113	3/15/06
Selenium	66.7	60.7	mg/kg	91.1	84	105	3/14/06
Silver	66.7	65.7	mg/kg	98.6	84	109	3/14/06

RESULTS: PESTICIDES

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: MW-1 0-7		Analyst's Initials: DC
Case No.: R0310-08		
Date Collected: 3/9/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/19/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	12	10
4,4'-DDT	17	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	86	19-139
DCBP	96	29-155

*Dry Weight Basis

Sample: MW-2 5-7		Analyst's Initials: DC
Case No.: R0310-08		
Date Collected: 3/9/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/19/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	89	19-139
DCBP	94	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0310-08		
Date Collected: NA		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/19/06
Analytical Method: EPA		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	98	29-155

Pesticide Laboratory Control Spike

Date Collected: NA			Analyst's Initials	DC
Sample Matrix: Soil				
Subject: Pesticides	Date Extracted			Date Analyzed
Prep Method: EPA 3541	3/15/06			3/17/06
Analytical Method: EPA				
Compound	Amount Spiked ng/ml (ppb)	Result ng/ml (ppb)	Recovery %	Recovery Limits
alpha-BHC	40	24	59	40-140
gamma-BHC	40	27	68	40-140
beta-BHC	40	24	61	40-140
delta-BHC	40	27	67	40-140
Heptachlor	40	22	56	40-140
Aldrin	40	23	56	40-140
Heptachlor epoxide	40	25	62	40-140
gamma-Chlordane	40	23	56	40-140
alpha-Chlordane	40	22	56	40-140
4,4'-DDE	40	25	62	40-140
Endosulfan I	40	24	60	40-140
Dieldrin	40	22	54	40-140
Endrin	40	24	59	40-140
4,4'-DDD	40	23	57	40-140
Endosulfan II	40	23	58	40-140
4,4'-DDT	40	23	56	40-140
Endrin aldehyde	40	29	74	40-140
Methoxychlor	40	23	57	40-140
Endosulfan sulfate	40	20	50	40-140
Endrin Ketone	40	22	54	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	71	19-139		
DCBP	72	29-155		

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.3 (g/ml) G
% Moisture 16.68
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-1 0-7
Lab File ID: MAR1434.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	48	
75-01-4	Vinyl Chloride	33	U
74-83-9	Bromomethane	100	
75-00-3	Chloroethane	33	U
67-64-1	Acetone	160	U
75-35-4	1,1-Dichloroethene	33	U
75-15-0	Carbon Disulfide	33	U
75-09-2	Methylene Chloride	310	
1634-04-4	tert-Butyl methyl ether	33	U
156-60-5	trans-1,2 Dichloroethene	33	U
75-34-3	1,1-Dichloroethane	33	U
78-93-3	2-Butanone	99	U
594-20-7	2,2-Dichloropropane	33	U
156-59-2	cis-1,2-Dichloroethene	33	U
67-66-3	Chloroform	33	U
74-97-5	Bromochloromethane	33	U
71-55-6	1,1,1-Trichloroethane	33	U
563-58-6	1,1-Dichloropropene	33	U
56-23-5	Carbon Tetrachloride	33	U
71-43-2	Benzene	33	U
107-06-2	1,2-Dichloroethane	33	U
79-01-6	Trichloroethene	150	
78-87-5	1,2-Dichloropropane	33	U
75-27-4	Bromodichloromethane	33	U
74-95-3	Dibromomethane	33	U
108-10-1	4-Methyl-2-pentanone	160	U
108-88-3	Toluene	33	U
79-00-5	1,1,2-Trichloroethane	33	U
591-78-6	2-Hexanone	33	U
127-18-4	Tetrachloroethene	33	U
124-48-1	Chlorodibromomethane	33	U
108-90-7	Chlorobenzene	33	U
630-20-6	1,1,1,2-Tetrachloroethane	33	U
100-41-4	Ethylbenzene	33	U
1330-20-7	m & p-Xylene	66	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.3 (g/ml) G
% Moisture 16.68
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-1 0-7
Lab File ID: MAR1434.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	33	U
100-42-5	Styrene	33	U
75-25-2	Bromoform	33	U
98-82-8	Isopropylbenzene	33	U
79-34-5	1,1,2,2-Tetrachloroethane	33	U
108-86-1	Bromobenzene	33	U
96-18-4	1,2,3-Trichloropropane	33	U
103-65-1	n-Propylbenzene	33	U
95-49-8	2-Chlorotoluene	33	U
108-67-8	1,3,5-Trimethylbenzene	33	U
106-43-4	4-Chlorotoluene	33	U
98-06-6	tert-Butylbenzene	33	U
95-63-6	1,2,4-Trimethylbenzene	33	U
135-98-8	sec-Butylbenzene	33	U
99-87-6	p-Isopropyltoluene	33	U
541-73-1	1,3-Dichlorobenzene	33	U
106-46-7	1,4-Dichlorobenzene	33	U
104-51-8	n-Butylbenzene	33	U
95-50-1	1,2-Dichlorobenzene	33	U
96-12-8	1,2-Dibromo-3-chloropropane	33	U
120-82-1	1,2,4-Trichlorobenzene	33	U
87-68-3	Hexachlorobutadiene	33	U
91-20-3	Naphthalene	33	U
87-61-6	1,2,3-Trichlorobenzene	33	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 22.6 (g/ml) G
% Moisture 2.89
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-2 5-7
Lab File ID: MAR1435.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	30	
75-01-4	Vinyl Chloride	23	U
74-83-9	Bromomethane	80	
75-00-3	Chloroethane	23	U
67-64-1	Acetone	110	U
75-35-4	1,1-Dichloroethene	23	U
75-15-0	Carbon Disulfide	23	U
75-09-2	Methylene Chloride	23	U
1634-04-4	tert-Butyl methyl ether	23	U
156-60-5	trans-1,2 Dichloroethene	23	U
75-34-3	1,1-Dichloroethane	23	U
78-93-3	2-Butanone	68	U
594-20-7	2,2-Dichloropropane	23	U
156-59-2	cis-1,2-Dichloroethene	23	U
67-66-3	Chloroform	23	U
74-97-5	Bromochloromethane	23	U
71-55-6	1,1,1-Trichloroethane	23	U
563-58-6	1,1-Dichloropropene	23	U
56-23-5	Carbon Tetrachloride	23	U
71-43-2	Benzene	23	U
107-06-2	1,2-Dichloroethane	23	U
79-01-6	Trichloroethene	23	U
78-87-5	1,2-Dichloropropane	23	U
75-27-4	Bromodichloromethane	23	U
74-95-3	Dibromomethane	23	U
108-10-1	4-Methyl-2-pentanone	110	U
108-88-3	Toluene	23	U
79-00-5	1,1,2-Trichloroethane	23	U
591-78-6	2-Hexanone	23	U
127-18-4	Tetrachloroethene	23	U
124-48-1	Chlorodibromomethane	23	U
108-90-7	Chlorobenzene	23	U
630-20-6	1,1,1,2-Tetrachloroethane	23	U
100-41-4	Ethylbenzene	23	U
1330-20-7	m & p-Xylene	46	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 22.6 (g/ml) G
% Moisture 2.89
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-2 5-7
Lab File ID: MAR1435.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	23	U
100-42-5	Styrene	23	U
75-25-2	Bromoform	23	U
98-82-8	Isopropylbenzene	23	U
79-34-5	1,1,2,2-Tetrachloroethane	23	U
108-86-1	Bromobenzene	23	U
96-18-4	1,2,3-Trichloropropane	23	U
103-65-1	n-Propylbenzene	23	U
95-49-8	2-Chlorotoluene	23	U
108-67-8	1,3,5-Trimethylbenzene	23	U
106-43-4	4-Chlorotoluene	23	U
98-06-6	tert-Butylbenzene	23	U
95-63-6	1,2,4-Trimethylbenzene	23	U
135-98-8	sec-Butylbenzene	23	U
99-87-6	p-Isopropyltoluene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
104-51-8	n-Butylbenzene	23	U
95-50-1	1,2-Dichlorobenzene	23	U
96-12-8	1,2-Dibromo-3-chloropropane	23	U
120-82-1	1,2,4-Trichlorobenzene	23	U
87-68-3	Hexachlorobutadiene	23	U
91-20-3	Naphthalene	23	U
87-61-6	1,2,3-Trichlorobenzene	23	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.3 (g/ml) G
% Moisture 10.07
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-4 5-7
Lab File ID: MAR1436.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	40	
75-01-4	Vinyl Chloride	29	U
74-83-9	Bromomethane	87	
75-00-3	Chloroethane	29	U
67-64-1	Acetone	140	U
75-35-4	1,1-Dichloroethene	29	U
75-15-0	Carbon Disulfide	29	U
75-09-2	Methylene Chloride	29	U
1634-04-4	tert-Butyl methyl ether	29	U
156-60-5	trans-1,2 Dichloroethene	29	U
75-34-3	1,1-Dichloroethane	29	U
78-93-3	2-Butanone	87	U
594-20-7	2,2-Dichloropropane	29	U
156-59-2	cis-1,2-Dichloroethene	29	U
67-66-3	Chloroform	29	U
74-97-5	Bromochloromethane	29	U
71-55-6	1,1,1-Trichloroethane	29	U
563-58-6	1,1-Dichloropropene	29	U
56-23-5	Carbon Tetrachloride	29	U
71-43-2	Benzene	29	U
107-06-2	1,2-Dichloroethane	29	U
79-01-6	Trichloroethene	29	U
78-87-5	1,2-Dichloropropane	29	U
75-27-4	Bromodichloromethane	29	U
74-95-3	Dibromomethane	29	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	29	U
79-00-5	1,1,2-Trichloroethane	29	U
591-78-6	2-Hexanone	29	U
127-18-4	Tetrachloroethene	29	U
124-48-1	Chlorodibromomethane	29	U
108-90-7	Chlorobenzene	50	
630-20-6	1,1,1,2-Tetrachloroethane	29	U
100-41-4	Ethylbenzene	29	U
1330-20-7	m & p-Xylene	58	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.3 (g/ml) G
% Moisture 10.07
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: MW-4 5-7
Lab File ID: MAR1436.D
Date Sampled: 3/9/2006
Date Analyzed: 3/15/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	29	U
100-42-5	Styrene	29	U
75-25-2	Bromoform	29	U
98-82-8	Isopropylbenzene	29	U
79-34-5	1,1,2,2-Tetrachloroethane	29	U
108-86-1	Bromobenzene	29	U
96-18-4	1,2,3-Trichloropropane	29	U
103-65-1	n-Propylbenzene	29	U
95-49-8	2-Chlorotoluene	29	U
108-67-8	1,3,5-Trimethylbenzene	29	U
106-43-4	4-Chlorotoluene	29	U
98-06-6	tert-Butylbenzene	29	U
95-63-6	1,2,4-Trimethylbenzene	29	U
135-98-8	sec-Butylbenzene	29	U
99-87-6	p-Isopropyltoluene	29	U
541-73-1	1,3-Dichlorobenzene	29	U
106-46-7	1,4-Dichlorobenzene	29	U
104-51-8	n-Butylbenzene	29	U
95-50-1	1,2-Dichlorobenzene	29	U
96-12-8	1,2-Dibromo-3-chloropropane	29	U
120-82-1	1,2,4-Trichlorobenzene	29	U
87-68-3	Hexachlorobutadiene	29	U
91-20-3	Naphthalene	29	U
87-61-6	1,2,3-Trichlorobenzene	29	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060314
Lab File ID: MAR1424.D
Date Sampled: 3/9/2006
Date Analyzed: 3/14/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	150	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060314
Lab File ID: MAR1424.D
Date Sampled: 3/9/2006
Date Analyzed: 3/14/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

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2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Holbrook Chemica

Lab Code: RI010 Case No.: R0310-08 SAS No.: _____ SDG No.: Woodard

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK060314	87	95	90	0
02	MW-1 0-7	105	96	96	0
03	MW-2 5-7	109	100	95	0
04	MW-4 5-7	109	99	98	0
05	VLCS0603014	101	98	102	0

QC LIMITS

SMC1	=	1,2-Dichloroethane-D4	(76-130)
SMC2	=	Toluene-D8	(85-124)
SMC3	=	Bromofluorobenzene	(77-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/15/06 **Sample ID: VLCS060314**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Chloromethane	50	54	109	70	164
Vinyl Chloride	50	54	108	70	155
Bromomethane	50	82	165	15	213
Chloroethane	50	67	133	52	193
1,1-Dichloroethene	50	51	102	77	137
Methylene Chloride	50	45	89	76	130
trans-1,2 Dichloroethene	50	47	94	74	128
1,1-Dichloroethane	50	48	96	78	126
cis-1,2-Dichloroethene	50	45	90	76	123
Chloroform	50	48	95	83	125
Bromochloromethane	50	47	94	76	121
1,1,1-Trichloroethane	50	50	100	73	129
1,1-Dichloropropene	50	50	100	79	122
Carbon Tetrachloride	50	55	109	74	129
Benzene	50	44	89	75	117
1,2-Dichloroethane	50	53	106	78	123
Trichloroethene	50	46	93	65	141
1,2-Dichloropropane	50	47	94	81	121
Bromodichloromethane	50	47	93	74	116
Dibromomethane	50	49	98	80	115
MIBK	50	74	148	72	147
cis-1,3-Dichloropropene	50	48	95	47	132
Toluene	50	47	94	74	119
Trans-1,3-Dichloropropene	50	52	104	52	136
1,1,2-Trichloroethane	50	49	99	81	118
Ethylene Dibromide	50	53	107	80	121
2-Hexanone	50	72	143	65	153
Tetrachloroethene	50	54	108	29	190
1,3-Dichloropropane	50	49	99	59	143
Chlorodibromomethane	50	47	94	79	114
Chlorobenzene	50	45	91	74	115
1,1,1,2-Tetrachloroethane	50	45	90	77	116
Ethylbenzene	50	46	93	77	117
m & p-Xylene	100	92	92	58	129
o-Xylene	50	48	95	24	175
Styrene	50	53	106	76	111
Bromoform	50	54	107	78	115
Isopropylbenzene	50	56	111	82	125
1,1,2,2-Tetrachloroethane	50	54	109	50	142

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/15/06 **Sample ID: VLCS060314**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Bromobenzene	50	52	104	78	116
1,2,3-Trichloropropane	50	57	115	76	120
n-Propylbenzene	50	55	109	75	118
2-Chlorotoluene	50	49	98	73	114
1,3,5-Trimethylbenzene	50	53	106	74	117
4-Chlorotoluene	50	52	104	72	115
tert-Butylbenzene	50	61	122	80	137
1,2,4-Trimethylbenzene	50	55	110	72	118
sec-Butylbenzene	50	53	107	73	114
p-Isopropyltoluene	50	53	107	72	140
1,3-Dichlorobenzene	50	53	106	69	116
1,4-Dichlorobenzene	50	54	109	69	117
n-Butylbenzene	50	50	101	65	130
1,2-Dichlorobenzene	50	54	108	73	113
1,2-Dibromo-3-chloropropane	50	64	128	46	138
1,2,4-Trichlorobenzene	50	52	104	35	157
Naphthalene	50	60	119	17	186
1,2,3-Trichlorobenzene	50	57	114	32	186

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-1 0-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1622.D
Sample wt/vol: 20.2 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 16.68
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	180	U
110-86-1	Pyridine	120	U
108-95-2	Phenol	170	
62-53-3	Aniline	120	U
111-44-4	bis(2-Chloroethyl)ether	60	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	60	U
106-46-7	1,4-Dichlorobenzene	60	U
95-50-1	1,2-Dichlorobenzene	60	U
95-48-7	2-Methylphenol	60	U
108-60-1	bis(2-chloroisopropyl)ether	60	U
106-44-5	4-Methylphenol	60	U
621-64-7	n-Nitroso-di-n-propylamine	60	U
67-72-1	Hexachloroethane	60	U
98-95-3	Nitrobenzene	60	U
78-59-1	Isophorone	60	U
88-75-5	2-Nitrophenol	300	U
105-67-9	2,4-Dimethylphenol	600	U
65-85-0	Benzoic acid	890	U
111-91-1	bis(2-Chloroethoxy)methane	60	U
120-83-2	2,4-Dichlorophenol	120	U
120-82-1	1,2,4-Trichlorobenzene	60	U
91-20-3	Naphthalene	60	U
106-47-8	4-Chloroaniline	60	U
87-68-3	Hexachlorobutadiene	60	U
59-50-7	4-Chloro-3-methylphenol	300	U
91-57-6	2-Methylnaphthalene	60	U
77-47-4	Hexachlorocyclopentadiene	60	U
88-06-2	2,4,6-Trichlorophenol	120	U
95-95-4	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	60	U
88-74-4	2-Nitroaniline	60	U
131-11-3	Dimethyl phthalate	60	U
208-96-8	Acenaphthylene	60	U
606-20-2	2,6-Dinitrotoluene	60	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-1 0-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1622.D
Sample wt/vol: 20.2 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 16.68
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	60	U
83-32-9	Acenaphthene	60	U
51-28-5	2,4-Dinitrophenol	300	U
100-02-7	4-Nitrophenol	300	U
132-64-9	Dibenzofuran	60	U
121-14-2	2,4-Dinitrotoluene	60	U
84-66-2	Diethyl phthalate	60	U
86-73-7	Fluorene	60	U
7005-72-3	4-Chlorophenyl phenyl ether	60	U
100-01-6	4-Nitroaniline	60	U
534-52-1	4,6-Dinitro-2-methylphenol	300	U
86-30-6	n-Nitrosodiphenylamine	60	U
101-55-3	4-Bromophenyl phenyl ether	60	U
118-74-1	Hexachlorobenzene	60	U
87-86-5	Pentachlorophenol	300	U
85-01-8	Phenanthrene	60	U
120-12-7	Anthracene	60	U
84-74-2	Di-n-butylphthalate	570	B
206-44-0	Fluoranthene	69	
92-87-5	Benzidine	3600	U
129-00-0	Pyrene	60	U
85-68-7	Butyl benzyl phthalate	60	U
91-94-1	3,3'-Dichlorobenzidine	60	U
56-55-3	Benzo(a)anthracene	60	U
218-01-9	Chrysene	60	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	B
117-84-0	Di-n-octyl phthalate	180	U
205-99-2	Benzo(b)fluoranthene	60	U
207-08-9	Benzo(k)fluoranthene	60	U
50-32-8	Benzo(a)pyrene	60	U
193-39-5	Indeno(1,2,3-cd)pyrene	60	U
53-70-3	Dibenz(a,h)anthracene	60	U
191-24-2	Benzo(g,h,i)perylene	60	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-2 5-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1623.D
Sample wt/vol: 20.511 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 2.89
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	110	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	bis(2-chloroisopropyl)ether	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	n-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic acid	750	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl phthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-2 5-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1623.D
Sample wt/vol: 20.511 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 2.89
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethyl phthalate	50	U
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl phenyl ether	50	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl phenyl ether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-butylphthalate	360	B
206-44-0	Fluoranthene	50	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl)phthalate	6400	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-4 5-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1624.D
Sample wt/vol: 20.446 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 10.07
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	94	J
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	54	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	54	U
106-46-7	1,4-Dichlorobenzene	54	U
95-50-1	1,2-Dichlorobenzene	54	U
95-48-7	2-Methylphenol	54	U
108-60-1	bis(2-chloroisopropyl)ether	54	U
106-44-5	4-Methylphenol	54	U
621-64-7	n-Nitroso-di-n-propylamine	54	U
67-72-1	Hexachloroethane	54	U
98-95-3	Nitrobenzene	54	U
78-59-1	Isophorone	54	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	540	U
65-85-0	Benzoic acid	820	U
111-91-1	bis(2-Chloroethoxy)methane	54	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	54	U
91-20-3	Naphthalene	54	U
106-47-8	4-Chloroaniline	54	U
87-68-3	Hexachlorobutadiene	54	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	54	U
77-47-4	Hexachlorocyclopentadiene	54	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	54	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethyl phthalate	54	U
208-96-8	Acenaphthylene	54	U
606-20-2	2,6-Dinitrotoluene	480	

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: MW-4 5-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1624.D
Sample wt/vol: 20.446 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 10.07
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	54	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	54	U
121-14-2	2,4-Dinitrotoluene	54	U
84-66-2	Diethyl phthalate	54	U
86-73-7	Fluorene	54	U
7005-72-3	4-Chlorophenyl phenyl ether	54	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	54	U
101-55-3	4-Bromophenyl phenyl ether	54	U
118-74-1	Hexachlorobenzene	54	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	54	U
120-12-7	Anthracene	54	U
84-74-2	Di-n-butylphthalate	520	B
206-44-0	Fluoranthene	54	U
92-87-5	Benzidine	3300	U
129-00-0	Pyrene	54	U
85-68-7	Butyl benzyl phthalate	54	U
91-94-1	3,3'-Dichlorobenzidine	54	U
56-55-3	Benzo(a)anthracene	54	U
218-01-9	Chrysene	54	U
117-81-7	bis(2-Ethylhexyl)phthalate	290	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	54	U
207-08-9	Benzo(k)fluoranthene	54	U
50-32-8	Benzo(a)pyrene	54	U
193-39-5	Indeno(1,2,3-cd)pyrene	54	U
53-70-3	Dibenz(a,h)anthracene	54	U
191-24-2	Benzo(g,h,i)perylene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060314
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1620.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 0
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	100	U
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	bis(2-chloroisopropyl)ether	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	n-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic acid	750	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl phthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0310-08
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060314
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1620.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/9/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 0
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethyl phthalate	50	U
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl phenyl ether	50	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl phenyl ether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-butylphthalate	370	
206-44-0	Fluoranthene	50	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2D

SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0310-08

Lab Code: RI010 Client Name: Woodard & Curran

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SBLK060314	78	78	75	81	134	94	0
02	SLCS060314	96	97	92	94	181 *	103	1
03	MW-1 0-7	92	90	86	90	180 *	109	1
04	MW-2 5-7	87	86	82	87	162 *	109	1
05	MW-4 5-7	85	83	83	86	164 *	107	1

QC LIMITS

S1	=	2-Fluorophenol	(16-133)
S2	=	Phenol-d6	(25-131)
S3	=	Nitrobenzene-d5	(30-128)
S4	=	2-Fluorobiphenyl	(21-139)
S5	=	2,4,6-Tribromophenol	(26-135)
S6	=	Terphenyl-d14	(29-187)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/14/06
Date Analyzed: 03/17/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
n-Nitrosodimethylamine	2500	1971	79	40-140
Phenol	2500	2080	83	30-130
Aniline	2500	3788	152	40-140
bis(2-Chloroethyl)ether	2500	2063	83	40-140
2-Chlorophenol	2500	1989	80	30-130
1,3-Dichlorobenzene	2500	2020	81	40-140
1,4-Dichlorobenzene	2500	2065	83	40-140
1,2-Dichlorobenzene	2500	1996	80	40-140
2-Methylphenol	2500	1843	74	30-130
4-Methylphenol	2500	1410	56	30-130
n-Nitroso-di-n-propylamine	2500	2260	90	40-140
Hexachloroethane	2500	2281	91	40-140
Nitrobenzene	2500	2115	85	40-140
Isophorone	2500	2088	84	40-140
2-Nitrophenol	2500	2196	88	30-130
2,4-Dimethylphenol	2500	2079	83	30-130
bis(2-Chloroethoxy)methane	2500	2263	91	40-140
2,4-Dichlorophenol	2500	2070	83	40-160
1,2,4-Trichlorobenzene	2500	2225	89	40-140
Naphthalene	2500	2181	87	40-140
4-Chloroaniline	2500	29485	1179	40-140
Hexachlorobutadiene	2500	2182	87	40-140
4-Chloro-3-methylphenol	2500	2153	86	30-130
2-Methylnaphthalene	2500	2133	85	40-140
2,4,6-Trichlorophenol	2500	2147	86	30-130
2,4,5-Trichlorophenol	2500	2218	89	30-130
2-Chloronaphthalene	2500	2287	91	40-140
2-Nitroaniline	2500	6024	241	40-140
Dimethyl phthalate	2500	2342	94	40-140
Acenaphthylene	2500	2681	107	40-140
2,6-Dinitrotoluene	2500	2377	95	40-140
Acenaphthene	2500	2253	90	40-140
4-Nitrophenol	2500	2163	87	30-130
Dibenzofuran	2500	2390	96	40-140
2,4-Dinitrotoluene	2500	2439	98	40-140
Diethyl phthalate	2500	2374	95	40-140
Fluorene	2500	2425	97	40-140

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/14/06
Date Analyzed: 03/17/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
4-Chlorophenyl phenyl ethe	2500	2409	96	40-140
n-Nitrosodiphenylamine	2500	30219	1209	40-140
Diphenylamine	2500	30219	1209	40-140
4-Bromophenyl phenyl ether	2500	2367	95	40-140
Hexachlorobenzene	2500	2342	94	40-140
Pentachlorophenol	2500	1893	76	30-130
Phenanthrene	2500	2374	95	40-140
Anthracene	2500	2389	96	40-140
Di-n-butylphthalate	2500	2521	101	40-140
Fluoranthene	2500	2354	94	40-140
Pyrene	2500	2383	95	40-140
Butyl benzyl phthalate	2500	2565	103	40-140
3,3'-Dichlorobenzidine	2500	6909	276	40-140
Benzo(a)anthracene	2500	2405	96	40-140
Chrysene	2500	2366	95	40-140
bis(2-Ethylhexyl)phthalate	2500	2617	105	40-140
Di-n-octyl phthalate	2500	2365	95	40-140
Benzo(b)fluoranthene	2500	2250	90	40-140
Benzo(k)fluoranthene	2500	2455	98	40-140
Benzo(a)pyrene	2500	2385	95	40-140
Indeno(1,2,3-cd)pyrene	2500	2023	81	40-140
Dibenz(a,h)anthracene	2500	2021	81	40-140
Benzo(g,h,i)perylene	2500	1971	79	40-140

RESULTS: VOLATILE PETROLEUM HYDROCARBONS

Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 1:2
Temperature	X Received on Ice X Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	MW-2 5-7
Method for Target Analytes:			Lab ID	R0310-08
VPH Surrogate Standards			Date Collected	3/9/06
PID: Fluorobenzene			Date Received	3/10/06
FID: Fluorobenzene			Date Analyzed	3/14/06
			Dilution Factor	1X
			% Moisture (soil)	3
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				94
FID Surrogate % Recovery				94
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 1:2
Temperature	X Received on Ice X Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	MW-4 5-7
Method for Target Analytes:			Lab ID	R0310-08
VPH Surrogate Standards			Date Collected	3/9/06
PID: Fluorobenzene			Date Received	3/10/06
FID: Fluorobenzene			Date Analyzed	3/14/06
			Dilution Factor	1X
			% Moisture (soil)	10
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				93
FID Surrogate % Recovery				98
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	_Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	X N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: _covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	_ Received on Ice __ Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0310-08
VPH Surrogate Standards			Date Collected	NA
PID: Fluorobenzene			Date Received	NA
FID: Fluorobenzene			Date Analyzed	3/13/06
			Dilution Factor	1X
			% Moisture (soil)	0
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				93
FID Surrogate % Recovery				95
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 3/14/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	5.0	4.3	86	40-140
Benzene	5.0	5.6	112	40-140
Toluene	5.0	5.5	109	40-140
Ethylbenzene	5.0	5.3	106	40-140
m&p Xylene	10.0	9.4	94	40-140
o-Xylene	5.0	4.9	97	40-140
Naphthalene	5.0	4.6	91	NA
Pentane	5.0	4.2	83	40-140
2-Methyl pentane	5.0	4.4	87	40-140
2,2,4-trimethylpentan	5.0	4.5	90	40-140

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-1 0-7
Method for Target Analytes:			Lab ID	R0310-08
EPH Surrogate Standards			Date Collected	3/9/06
Aliphatic: Chlorooctadecane			Date Received	3/10/06
Aromatic: o-Terphenyl			Date Extracted	3/14/06
EPH Fractionation Surrogates			Date Analyzed	3/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	17
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	20
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	24
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	19
Aliphatic Surrogate % Recovery				60
Aromatic Surrogate % Recovery				52
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				67
Fractionation Surrogate % Recovery				55
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-2 5-7
Method for Target Analytes:			Lab ID	R0310-08
EPH Surrogate Standards			Date Collected	3/9/06
Aliphatic: Chlorooctadecane			Date Received	3/10/06
Aromatic: o-Terphenyl			Date Extracted	3/14/06
EPH Fractionation Surrogates			Date Analyzed	3/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	3
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				50
Aromatic Surrogate % Recovery				49
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				62
Fractionation Surrogate % Recovery				51
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	MW-4 5-7
Method for Target Analytes:			Lab ID	R0310-08
EPH Surrogate Standards			Date Collected	3/9/06
Aliphatic: Chlorooctadecane			Date Received	3/10/06
Aromatic: o-Terphenyl			Date Extracted	3/14/06
EPH Fractionation Surrogates			Date Analyzed	3/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	10
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				65
Aromatic Surrogate % Recovery				51
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				76
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0310-08
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	3/14/06
EPH Fractionation Surrogates			Date Analyzed	3/15/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	0
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				54
Aromatic Surrogate % Recovery				58
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				70
Fractionation Surrogate % Recovery				58
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/20/2006

LABORATORY CONTROL SPIKE

Extractable Petroleum Hydrocarbons
Matrix: Soil
Date extracted: 3/14/2006
Date analyzed: 3/15/2006

Analyte	TRUE Value	Result, mg/kg	Recovery, %	QC Limits
Aliphatics C_9 to C_{18}	12	6	49	40-160
Aliphatics C_{19} to C_{36}	16	8	48	40-160
Aromatics C_{11} to C_{22}	34	17	50	40-160
Naphthalene	2	1.2	58	40-160
2-Methylnaphthalene	2	1.1	54	40-160
Acenaphthylene	2	1.0	49	40-160
Acenaphthene	2	1.2	59	40-160
Fluorene	2	1.0	51	40-160
Phenanthrene	2	0.9	46	40-160
Anthracene	2	1.0	50	40-160
Fluoranthene	2	0.9	44	40-160
Pyrene	2	0.9	44	40-160
Benzo(a)anthracene	2	0.8	42	40-160
Chrysene	2	0.9	44	40-160
Benzo(b) fluoranthene	2	1.0	52	40-160
Benzo(k)fluoranthene	2	1.0	48	40-160
Benzo(a)pyrene	2	0.9	47	40-160
Indeno-(1,2,3-cd) pyrene	2	1.1	53	40-160
Dibenzo(a,h)anthracene	2	1.1	54	40-160
Benzo(g,h,i)perylene	2	1.1	57	40-160

Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

PROJ. NO: 218390
PROJECT NAME: HOLBROOK chemical
CLIENT: Woodard & Curran

R0310.08

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	TESTS: EPH	VPH	RCRA 8 metals	SVOCs	PEST-cides	VOCs	REMARKS
MW-10-7	3/9	1100		X		3	X		X	X	X	X	
MW-25-7		915		X		4	X	X	X	X	X	X	
MW-45-7		1245		X		3	X	X	X	X		X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/10/06 9:30				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		A Sweeney	3/10/06 1245	soil Temp 4° 1803, 2 vials	

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0309-05A

Prepared for:

Attn: Craig Blake
Woodard & Curran
980 Washington St. 325N
Dedham, MA 02026

Report Date: April 26, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

This report shall not be reproduced, except in full, without written approval of the laboratory.

New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 9, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0309-05A.

Custody records are included in this report.

Site: Holbrook Chemical

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
S-7 0-4	3/8/06	Soil	Table II

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Dioxin	NA	8280

This method is documented in:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

Sample Results

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1700 Elm Street
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

TABLE 1. 2,3,7,8-TCDD Equivalency Factors (TEFs) for the Polychlorinated Dibenzo-p-dioxins and Dibenzofurans

Number	Compound(s)	TEF
1	2,3,7,8-TCDD	1.00
2	1,2,3,7,8-PeCDD	0.50
3	1,2,3,6,7,8-HxCDD	0.1
4	1,2,3,7,8,9-HxCDD	0.1
5	1,2,3,4,7,8-HxCDD	0.1
6	1,2,3,4,6,7,8-HpCDD	0.01
7	OCDD	0.001
8	* Total - TCDD	0.0
9	* Total - PeCDD	0.0
10	* Total - HxCDD	0.0
11	* Total - HpCDD	0.0
12	2,3,7,8-TCDF	0.10
13	1,2,3,7,8-PeCDF	0.05
14	2,3,4,7,8-PeCDF	0.5
15	1,2,3,6,7,8-HxCDF	0.1
16	1,2,3,7,8,9-HxCDF	0.1
17	1,2,3,4,7,8-HxCDF	0.1
18	2,3,4,6,7,8-HxCDF	0.1
19	1,2,3,4,6,7,8-HpCDF	0.01
20	1,2,3,4,7,8,9-HpCDF	0.01
21	OCDF	0.001
22	* Total - TCDF	0.0
23	* Total - PeCDF	0.0
24	* Total - HxCDF	0.0
25	* Total - HpCDF	0.0

*Excluding the 2,3,7,8-substituted congeners.

Reference: 1989 ITEFs

REPORT OF LABORATORY ANALYSIS

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Pace Analytical™

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Blank Analysis Results

Client - New England Testing Laboratory

Lab Sample ID	METHOD BLANK 032706	Matrix	Solid
Filename	T1742_4-09605	Dilution	NA
Total Amount Extracted	10.0 g	Extracted	03/27/2006
ICAL Date	04/05/2006	Analyzed	04/06/2006 15:11
CCal Filename(s)	T1740_4-09602 & T1743_4-09610	Injected By	ACH

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	81
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	77
				1,2,3,6,7,8-HxCDD-13C	50.00	85
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	84
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	82
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	56
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5	Equivalence: 0.00 ug/Kg		
Total HpCDF	ND	-----	2.5	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	ND	-----	2.5			
OCDF	ND	-----	5.0			
OCDD	ND	-----	5.0			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
PRL = Pace Reporting Limit
LOD = Limit of Detection
P = Recovery outside of target range

E = PCDE Interference
I = Interference
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....1029226

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414

Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Analysis Results

Client - New England Testing Laboratory

Client's Sample ID	S-7 0-4		
Lab Sample ID	1029226001		
Filename	T1743_4-09609		
Injected By	ACH	Matrix	SOLID
Total Amount Extracted	10.0 g	Dilution	NA
% Moisture	NA	Collected	03/08/2006
ICAL Date	04/05/2006	Received	03/16/2006
CCal Filename(s)	T1740_4-09602 & T1743_4-09610	Extracted	03/27/2006
Method Blank ID	METHOD BLANK 032706	Analyzed	04/06/2006 18:03

Native Isomers	Conc ug/Kg	EMPC ug/Kg	PRL ug/Kg	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	ND	-----	1.0	2,3,7,8-TCDF-13C	50.00	86
Total TCDF	ND	-----	1.0	2,3,7,8-TCDD-13C	50.00	84
				1,2,3,6,7,8-HxCDD-13C	50.00	88
2,3,7,8-TCDD	ND	-----	1.0	1,2,3,4,6,7,8-HpCDF-13C	100.00	76
Total TCDD	ND	-----	1.0	OCDD-13C	100.00	76
1,2,3,7,8-PeCDF	ND	-----	2.5	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF	ND	-----	2.5	1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF	ND	-----	2.5			
				2,3,7,8-TCDD-37Cl4	25.00	91
1,2,3,7,8-PeCDD	ND	-----	2.5			
Total PeCDD	ND	-----	2.5			
1,2,3,4,7,8-HxCDF	ND	-----	2.5			
1,2,3,6,7,8-HxCDF	ND	-----	2.5			
2,3,4,6,7,8-HxCDF	ND	-----	2.5			
1,2,3,7,8,9-HxCDF	ND	-----	2.5			
Total HxCDF	ND	-----	2.5			
1,2,3,4,7,8-HxCDD	ND	-----	2.5			
1,2,3,6,7,8-HxCDD	ND	-----	2.5			
1,2,3,7,8,9-HxCDD	ND	-----	2.5			
Total HxCDD	ND	-----	2.5			
1,2,3,4,6,7,8-HpCDF	ND	-----	2.5	Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	2.5	Equivalence: 0.00 ug/Kg		
Total HpCDF	ND	-----	2.5	(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	ND	-----	2.5			
Total HpCDD	ND	-----	2.5			
OCDF	ND	-----	5.0			
OCDD	ND	-----	5.0			

Results reported on a total weight basis

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
EMPC = Estimated Maximum Possible Concentration
B = Less than 10 times higher than method blank level
P = Recovery outside of target range
Nn = Value obtained from additional analysis
A =PRL based on signal to noise
J = Concentration detected is below the calibration range
* = See discussion

PRL = Pace Reporting Limit
LOD = Limit of Detection
I = Interference
E = PCDE Interference
S = Saturated signal
ND = Not Detected
NA = Not Applicable
NC = Not Calculated

Report No.....1029226

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
Tel: 612-607-1700
Fax: 612- 607-6444

Method 8280 Laboratory Control Spike Results

Client - New England Testing Laboratory

Lab Sample ID	LCS 032706		
Filename	T1743_4-09607	Matrix	SOLID
Total Amount Extracted	10.0 g	Dilution	NA
ICAL Date	04/05/2006	Extracted	03/27/2006
CCal Filename(s)	T1740_4-09602 & T1743_4-09610	Analyzed	04/06/2006 16:42
Method Blank ID	METHOD BLANK 032706	Injected By	ACH

Native Isomers	Qs (ng)	Qm (ng)	% Rec.	Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	25.00	20.62	82	2,3,7,8-TCDF-13C	50.00	88
Total TCDF				2,3,7,8-TCDD-13C	50.00	87
				1,2,3,6,7,8-HxCDD-13C	50.00	90
2,3,7,8-TCDD	25.00	21.12	84	1,2,3,4,6,7,8-HpCDF-13C	100.00	86
Total TCDD				OCDD-13C	100.00	85
1,2,3,7,8-PeCDF	62.50	52.12	83	1,2,3,4-TCDD-13C	50.00	NA
2,3,4,7,8-PeCDF				1,2,3,7,8,9-HxCDD-13C	50.00	NA
Total PeCDF						
				2,3,7,8-TCDD-37Cl4	25.00	93
1,2,3,7,8-PeCDD	62.50	56.74	91			
Total PeCDD						
1,2,3,4,7,8-HxCDF						
1,2,3,6,7,8-HxCDF	62.50	52.49	84			
2,3,4,6,7,8-HxCDF						
1,2,3,7,8,9-HxCDF						
Total HxCDF						
1,2,3,4,7,8-HxCDD						
1,2,3,6,7,8-HxCDD	62.50	55.36	89			
1,2,3,7,8,9-HxCDD						
Total HxCDD						
1,2,3,4,6,7,8-HpCDF	62.50	62.20	100			
1,2,3,4,7,8,9-HpCDF						
Total HpCDF						
1,2,3,4,6,7,8-HpCDD	62.50	54.29	87			
Total HpCDD						
OCDF	125.00	86.57	69			
OCDD	125.00	110.49	88			

Qs = Quantity Spiked
Qm = Quantity Measured
Rec. = Recovery (Expressed as Percent)
P = Outside the target recovery range of the method
X = Background subtracted value
NA = Not Applicable
NC = Not Calculated
I = Interference

Report No.....1029226

REPORT OF LABORATORY ANALYSIS

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Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

R0309.05

PROJ. NO: 218390 | PROJECT NAME: Holbrook Chemical
CLIENT: Woodard & Curran

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	EPH	VPH	RCRA 8 metals	SVOCs	Pest. Cides	PCBs	VOCs	DIOXIN	REMARKS
S-1 0-4	3/8	1300		X		4	X	X	X	X	X	X	X		
S-5 0-4		930		X		3	X		X	X		X	X		add to c.o.c. as per
S-7 0-4		1610		X		2	X		X	X	X	X		X	J. Edmands:
S-8 0-4		1000		X		4	X	X	X	X	X	X	X		S-14 0-4
S-8 4-8		1000		X		4	X	X	X	X	X	X	X		EPH, VPH, RCRA 8 met,
S-9 0-4		1015		X		4	X	X	X	X	X	X	X		SVOCs, Pest, PCB, VOC
S-9 4-8		1015		X		4	X	X	X	X	X	X	X		
S-10 0-4		1030		X		4	X	X	X	X	X	X	X		
S-11 0-4		900		X		4	X	X	X	X	X	X	X		
S-11 4-8		900		X		4	X	X	X	X	X	X	X		
S-12 0-4		1100		X		4	X	X	X	X	X	X	X		
S-12 4-7		1100		X		4	X	X	X	X	X	X	X		
S-13 0-4		1330		X		4	X	X	X	X	X	X	X		
S-15 0-1		1145		X		4	X	X	X	X	X	X	X		
S-17 0-4		1215		X		2	X	X	X						

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/9/06 800				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
			3/9/06 1247	Temp 4°	

REPORT OF ANALYTICAL RESULTS

NETLAB Case Number R0309-05

Prepared for:

Attn: Craig Blake
Woodard & Curran
980 Washington St. 325N
Dedham, MA 02026

Report Date: March 23, 2006

Lab # RI010

Electronic Copy

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue, North Providence, RI 02904
(401) 353-3420

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #: 218390

Project Location: Holbrook Chemical RTN[1]:

This form provides certifications for the following data set: R0309-05

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B (X)	8151A ( )	8330 ( )	6010B ( )	7470A/1A ( )
	8270C (X)	8081A (X)	VPH (X)	6020 ( )	9014M[2] ( )
	8082 (X)	8021B ( )	EPH (X)	7000 S[3] ( )	Other: (X)

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

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

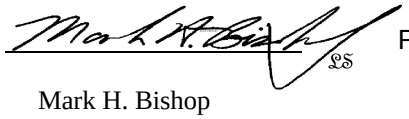
A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of Custody documentation for the data set?	Yes (X) No[1] ( )
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

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

Signature:  Position: Laboratory Director

Printed Name: Mark H. Bishop Date: 3/23/2006

ANALYTICAL METHOD REPORT CERTIFICATION FORM

Laboratory Name: New England Testing Laboratory, Inc. Project #:

Project Location: Syed/Lowell RTN[1]:

This form provides certifications for the following data set: R0309-05

Sample Matrices: Groundwater ( ) Soil/Sediment (X) Drinking Water ( ) Other:

SW-846 Methods Used					
	8260B ( )	8151A ( )	8330 ( )	6010B (X)	7470A/1A (X)
	8270C ( )	8081A ( )	VPH ( )	6020 ( )	9014M[2] ( )
	8082 ( )	8021B ( )	EPH ( )	7000 S[3] ( )	Other: ( )

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

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

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

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

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

[1]All NO answers must be addressed in an attached Environmental Laboratory case narrative.

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

Signature: Jodi Lyons Position: Director, Inorganics

Printed Name: Jodi Lyons Date: 03/21/2006

STATEMENTS/CERTIFICATIONS REQUIRED BY THE NATIONAL ENVIRONMENTAL LABORATORY APPROVAL CONFERENCE (NELAC)

New England Testing Laboratory is certified under the National Environmental Laboratory Approval Program (NELAP). This certification requires the following statements and certifications be included in our report.

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New England Testing certifies that the test results contained within this report meet all NELAC requirements except as detailed in the Case Narrative section of this report.

SAMPLES SUBMITTED and REQUEST FOR ANALYSIS:

The samples listed in Table I were submitted to New England Testing Laboratory on March 9, 2006. The group of samples appearing in this report was assigned an internal identification number (case number) for laboratory information management purposes. The client's designations for the individual samples, along with our case numbers, are used to identify the samples in this report. The case number for this sample submission is R0309-05.

Custody records are included in this report.

Site: Holbrook Chemical

TABLE I, Samples Submitted

Sample ID	Date Sampled	Matrix	Analysis Requested
S-1 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-5 0-4	3/8/06	Soil	Table II, IV, VI
S-7 0-4	3/8/06	Soil	Table II, IV, V
S-8 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-8 4-8	3/8/06	Soil	Table II, III, IV, V, VI
S-9 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-9 4-8	3/8/06	Soil	Table II, III, IV, V, VI
S-10 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-11 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-11 4-8	3/8/06	Soil	Table II, III, IV, V, VI
S-12 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-12 4-7	3/8/06	Soil	Table II, III, IV, V, VI
S-13 0-4	3/8/06	Soil	Table II, III, IV, V, VI
S-15 0-1	3/8/06	Soil	Table II, III, IV, V, VI
S-17 0-4	3/8/06	Soil	Table II, III
S-14 0-4	3/8/06	Soil	Table II, III, IV, V, VI

TABLE II, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
EPH	NA	*
Total Metals		
Arsenic	3050B	6010B
Barium	3050B	6010B
Cadmium	3050B	6010B
Chromium	3050B	6010B
Lead	3050B	6010B
Mercury	NA	7471A
Selenium	3050B	6010B
Silver	3050B	6010B

TABLE III, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
VPH	NA	**

TABLE IV, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Semivolatile Organic Compounds	3541	8270C
PCB	3541	8082

TABLE V, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Pesticides	3541	8081A

TABLE VI, Analysis and Methods

ANALYSIS	PREPARATION METHOD	DETERMINATIVE METHOD
Volatile Organics Compounds	5035	8260B

These methods are documented in:

*Method for the Determination of Extractable Petroleum Hydrocarbons (EPH), MADEP.

**Method for the Determination of Volatile Petroleum Hydrocarbons (VPH), MADEP.

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, USEPA/OSW.

CASE NARRATIVE:

Sample Receipt:

No sample for ms/msd/duplicate analysis was supplied. No trip blank or field blank was supplied. (This does not qualify the analytical results but does prevent conducting these SW-846 {Chapter 1, Section 3.4} QA Audits.)

The samples were all appropriately cooled and preserved upon receipt.

The samples were received in the appropriate containers.

The chain of custody was adequately completed and corresponded to the samples submitted.

Metals:

All analyses were performed according to NETLAB's documented Standard Operating Procedures, within all required holding times, and with appropriate quality control measures. All QC was within laboratory established acceptance criteria. The samples were received, processed, and reported with no anomalies.

Volatile Organics:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria except where stated below.

The VLCS060321, which corresponds to sample "S-13 0-4," had recoveries marginally higher than QC limits for the compounds Tetrachloroethene and Styrene.

Semivolatile Organics:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria, with the following exceptions:

- Recovery of the acid surrogate compound 2,4,6-Tribromophenol exceeded the upper QC limit in the LCS samples and the field samples. This does not adversely affect sample results, as the only acid compound detected in the field samples was Phenol. The surrogate Phenol-d6 was within QC limits for all samples.
- The compounds di-n-Butylphthalate and bis(2-Ethylhexyl)phthalate were detected in the method blank at comcentrations marginally exceeded the reporting limit. bis(2-Ethylhexyl)phthalate was also detected in each of the field samples; these results have been annotated with a "B" qualifier for this reason.
- The following compounds exhibited high recovery in the LCS sample: Aniline, 4-Chloroaniline, 2-Nitroaniline, Diphenylamine, 3,3'-Dichlorobenzidine. This does not adversely affect sample results, as these compounds were not detected in any of the field samples or in the method blank.

Pesticides:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

PCBs:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

VPH:

All samples were analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

EPH:

All samples were extracted and analyzed within method specified holding times and according to NETLAB's documented standard operating procedures. The results for the associated calibration, method blank and laboratory control sample (LCS) were within method specified quality control criteria.

Sample Results

METALS RESULTS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Metals Analysis Department certifies that the results included in this section have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

New England Testing Laboratory, Inc.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-1 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 95.89
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	16	0.34	0.34	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.41	0.34	0.34	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	6.93	0.34	0.34	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.21	0.34	0.34	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.061	0.061	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-5 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 97.02
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	0.79	0.66	0.66	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	21	0.33	0.33	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.33	0.33	0.33	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	4.69	0.33	0.33	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	4.49	0.33	0.33	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.064	0.064	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.66	0.66	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-7 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 90.37
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	24	0.71	0.71	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	32	0.36	0.36	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.36	0.36	0.36	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	11	0.36	0.36	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	20	0.36	0.36	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.071	0.071	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.71	0.71	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-8 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 90.8
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.89	0.73	0.73	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	36	0.36	0.36	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.51	0.36	0.36	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	12	0.36	0.36	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	6.93	0.36	0.36	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.066	0.066	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.73	0.73	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.36	0.36	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-8 4-8
Date collected: 3/8/06
Matrix SOIL
Solids, % 94
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.71	0.71	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	20	0.35	0.35	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.43	0.35	0.35	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	5.04	0.35	0.35	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	4.75	0.35	0.35	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.068	0.068	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.71	0.71	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-9 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 94.73
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	23	0.34	0.34	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.34	0.34	0.34	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	7.26	0.34	0.34	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.45	0.34	0.34	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.069	0.069	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-9 4-8
Date collected: 3/8/06
Matrix SOIL
Solids, % 93.12
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.66	0.66	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	27	0.33	0.33	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.46	0.33	0.33	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	11	0.33	0.33	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	4.28	0.33	0.33	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.069	0.069	mg/kg	3/15/06	3/15/06
Selenium	7782-49-2	3050B	6010B	ND	0.66	0.66	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-10 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 87.13
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	1.30	0.68	0.68	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	20	0.34	0.34	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.34	0.34	0.34	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	7.51	0.34	0.34	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.88	0.34	0.34	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.076	0.076	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.68	0.68	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-11 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 95.9
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	52	0.69	0.69	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	19	0.34	0.34	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	ND	0.34	0.34	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	6.59	0.34	0.34	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	58	0.34	0.34	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.059	0.059	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.34	0.34	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-11 4-8
Date collected: 3/8/06
Matrix SOIL
Solids, % 85.31
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	4.11	0.78	0.78	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	57	0.39	0.39	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.62	0.39	0.39	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	5.82	0.39	0.39	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	9.16	0.39	0.39	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.075	0.075	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.78	0.78	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.39	0.39	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-12 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 90.6
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	0.67	0.67	0.67	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	32	0.33	0.33	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.33	0.33	0.33	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	12	0.33	0.33	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.15	0.33	0.33	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.066	0.066	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-12 4-7
Date collected: 3/8/06
Matrix SOIL
Solids, % 88.38
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	24	0.35	0.35	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.35	0.35	0.35	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	8.05	0.35	0.35	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.41	0.35	0.35	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.060	0.060	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-13 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 93.17
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	2.52	0.59	0.59	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	25	0.29	0.29	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.88	0.29	0.29	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	3.93	0.29	0.29	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	11	0.29	0.29	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.065	0.065	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.59	0.59	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.29	0.29	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-14 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 94.53
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	35	0.35	0.35	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.62	0.35	0.35	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	12	0.35	0.35	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	5.60	0.35	0.35	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.068	0.068	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.69	0.69	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-15 0-1
Date collected: 3/8/06
Matrix SOIL
Solids, % 82.41
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	14	0.77	0.77	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	35	0.38	0.38	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.85	0.38	0.38	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	16	0.38	0.38	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	16	0.38	0.38	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.081	0.081	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.77	0.77	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.38	0.38	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Case Number: R0309-05
Sample ID: S-17 0-4
Date collected: 3/8/06
Matrix SOIL
Solids, % 93.75
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	3.49	0.70	0.70	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	61	0.35	0.35	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	0.84	0.35	0.35	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	13	0.35	0.35	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	9.55	0.35	0.35	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.061	0.061	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.70	0.70	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.35	0.35	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

METALS RESULTS

Sample ID: Preparation Blank
Matrix SOIL
Solids, % 100
Sample Type: Total

Analyst AR/JL/ADS

Parameter	CAS Number	Preparative Method	Analytical Method	Result	Reporting Limit	Detection Limit	Units	Date of Preparation	Date Analyzed
Arsenic	7440-38-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/16/06	3/17/06
Barium	7440-39-3	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06
Cadmium	7440-43-9	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06
Chromium	7440-47-3	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06
Lead	7439-92-1	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	3/15/06	3/15/06
Mercury	7439-97-6	NA	7471A	ND	0.067	0.067	mg/kg	3/20/06	3/20/06
Selenium	7782-49-2	3050B	6010B	ND	0.67	0.67	mg/kg	3/16/06	3/17/06
Silver	7440-22-4	3050B	6010B	ND	0.33	0.33	mg/kg	3/16/06	3/17/06

ND indicates not Detected

All results are reported on a dry weight basis.

LABORATORY CONTROL SAMPLE RECOVERY

Parameter	True Value	Result	Units	Recovery, %	Internal LCL, %	Internal UCL, %	Date Analyzed
Arsenic	66.7	74	mg/kg	111	88	117	3/17/06
Barium	66.7	69.3	mg/kg	104	90	108	3/17/06
Cadmium	66.7	66.7	mg/kg	100	92	107	3/17/06
Chromium	66.7	66.4	mg/kg	99.6	90	110	3/17/06
Lead	66.7	65.7	mg/kg	98.6	88	111	3/17/06
Mercury	0.133	0.133	mg/kg	100	88	113	3/15/06
Mercury	0.133	0.139	mg/kg	104	88	113	3/20/06
Selenium	66.7	65.7	mg/kg	98.6	84	105	3/17/06
Silver	66.7	64.8	mg/kg	97.2	84	109	3/17/06

RESULTS: PESTICIDES

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: S-1 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	90	19-139
DCBP	83	29-155

*Dry Weight Basis

Sample: S-7 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	47	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	55	19-139
DCBP	54	29-155

*Dry Weight Basis

Sample: S-8 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	96	19-139
DCBP	92	29-155

*Dry Weight Basis

Sample: S-8 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	98	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: S-9 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	57	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	98	19-139
DCBP	105	29-155

*Dry Weight Basis

Sample: S-9 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	74	19-139
DCBP	69	29-155

*Dry Weight Basis

Sample: S-10 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	90	19-139
DCBP	85	29-155

*Dry Weight Basis

Sample: S-11 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	96	19-139
DCBP	82	29-155

*Dry Weight Basis

Sample: S-11 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	70	19-139
DCBP	75	29-155

*Dry Weight Basis

Sample: S-12 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	80	19-139
DCBP	42	29-155

*Dry Weight Basis

Sample: S-12 4-7		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	73	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	84	19-139
DCBP	38	29-155

*Dry Weight Basis

Sample: S-13 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	100	19-139
DCBP	91	29-155

*Dry Weight Basis

Sample: S-15 0-1		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	72	19-139
DCBP	53	29-155

*Dry Weight Basis

Sample: S-14 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	91	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: NA		
Sample Matrix: Soil		
Subject: Pesticides	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/16/06
Analytical Method: EPA		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aldrin	N.D.	5
alpha-BHC	N.D.	5
beta-BHC	N.D.	5
delta-BHC	N.D.	5
gamma-BHC	N.D.	5
alpha-Chlordane	N.D.	5
gamma-Chlordane	N.D.	5
Chlordane	N.D.	100
4,4'-DDD	N.D.	10
4,4'-DDE	N.D.	10
4,4'-DDT	N.D.	10
Dieldrin	N.D.	10
Endosulfan I	N.D.	5
Endosulfan II	N.D.	10
Endosulfan sulfate	N.D.	10
Endrin	N.D.	10
Endrin aldehyde	N.D.	10
Endrin Ketone	N.D.	10
Heptachlor	N.D.	5
Heptachlor epoxide	N.D.	5
Methoxychlor	N.D.	50
Toxaphene	N.D.	5000
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	98	29-155

Pesticide Laboratory Control Spike

Date Collected: NA			Analyst's Initials	DC
Sample Matrix: Soil				
Subject: Pesticides	Date Extracted			Date Analyzed
Prep Method: EPA 3541	3/15/06			3/17/06
Analytical Method: EPA				
Compound	Amount Spiked ng/ml (ppb)	Result ng/ml (ppb)	Recovery %	Recovery Limits
alpha-BHC	40	24	59	40-140
gamma-BHC	40	27	68	40-140
beta-BHC	40	24	61	40-140
delta-BHC	40	27	67	40-140
Heptachlor	40	22	56	40-140
Aldrin	40	23	56	40-140
Heptachlor epoxide	40	25	62	40-140
gamma-Chlordane	40	23	56	40-140
alpha-Chlordane	40	22	56	40-140
4,4'-DDE	40	25	62	40-140
Endosulfan I	40	24	60	40-140
Dieldrin	40	22	54	40-140
Endrin	40	24	59	40-140
4,4'-DDD	40	23	57	40-140
Endosulfan II	40	23	58	40-140
4,4'-DDT	40	23	56	40-140
Endrin aldehyde	40	29	74	40-140
Methoxychlor	40	23	57	40-140
Endosulfan sulfate	40	20	50	40-140
Endrin Ketone	40	22	54	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	71	19-139		
DCBP	72	29-155		

RESULTS: PCBs

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

Sample: S-1 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	98	19-139
DCBP	78	29-155

*Dry Weight Basis

Sample: S-5 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	93	19-139
DCBP	70	29-155

*Dry Weight Basis

Sample: S-7 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	110	19-139
DCBP	90	29-155

*Dry Weight Basis

Sample: S-8 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	105	19-139
DCBP	93	29-155

*Dry Weight Basis

Sample: S-8 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	115	19-139
DCBP	98	29-155

*Dry Weight Basis

Sample: S-9 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	100	19-139
DCBP	100	29-155

*Dry Weight Basis

Sample: S-9 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	95	19-139
DCBP	60	29-155

*Dry Weight Basis

Sample: S-10 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	88	19-139
DCBP	68	29-155

*Dry Weight Basis

Sample: S-11 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	110	19-139
DCBP	108	29-155

*Dry Weight Basis

Sample: S-11 4-8		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	65	19-139
DCBP	70	29-155

*Dry Weight Basis

Sample: S-12 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	93	19-139
DCBP	108	29-155

*Dry Weight Basis

Sample: S-12 4-7		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	19-139
DCBP	125	29-155

*Dry Weight Basis

Sample: S-13 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	100	19-139
DCBP	88	29-155

*Dry Weight Basis

Sample: S-15 0-1		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	85	19-139
DCBP	65	29-155

*Dry Weight Basis

Sample: S-14 0-4		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: 3/8/06		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/18/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg* (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	78	19-139
DCBP	63	29-155

*Dry Weight Basis

Sample: Method Blank		Analyst's Initials: DC
Case No.: R0309-05		
Date Collected: NA		
Sample Matrix: Soil		
Subject: PCBs	Date Extracted	Date Analyzed
Prep Method: EPA 3541	3/15/06	3/16/06
Analytical Method: EPA 8082		
Compound	Concentration ug/kg (ppb)	Reporting Limit
Aroclor-1221	N.D.	200
Aroclor-1232	N.D.	100
Aroclor-1016/1242	N.D.	100
Aroclor-1248	N.D.	100
Aroclor-1254	N.D.	100
Aroclor-1260	N.D.	100
Aroclor-1262	N.D.	100
Aroclor-1268	N.D.	100
Surrogates:		
Compound	% Recovery	Limits
TCMX	73	19-139
DCBP	98	29-155

PCB Laboratory Control Spike

Sample Matrix: Soil			Analyst:	DC
Subject: PCB	Date Extracted			Date Analyzed
Prep Method: EPA 3541	3/15/06			3/16/06
Analytical Method: EPA 8082				
Compound	Amount Spiked mg/kg	Result mg/kg	Recovery %	Recovery Limits
1232-1	0.50	0.30	59	40-140
Surrogates:				
Compound	% Recovery	Limits		
TCMX	78	19-139		
DCBP	100	29-155		

RESULTS: VOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 16.5 (g/ml) G
% Moisture 4.11
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-1 0-4
Lab File ID: MAR2030.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	32	U
75-01-4	Vinyl Chloride	32	U
74-83-9	Bromomethane	32	U
75-00-3	Chloroethane	32	U
67-64-1	Acetone	160	U
75-35-4	1,1-Dichloroethene	32	U
75-15-0	Carbon Disulfide	32	U
75-09-2	Methylene Chloride	32	U
1634-04-4	tert-Butyl methyl ether	32	U
156-60-5	trans-1,2 Dichloroethene	32	U
75-34-3	1,1-Dichloroethane	32	U
78-93-3	2-Butanone	95	U
594-20-7	2,2-Dichloropropane	32	U
156-59-2	cis-1,2-Dichloroethene	32	U
67-66-3	Chloroform	32	U
74-97-5	Bromochloromethane	32	U
71-55-6	1,1,1-Trichloroethane	32	U
563-58-6	1,1-Dichloropropene	32	U
56-23-5	Carbon Tetrachloride	32	U
71-43-2	Benzene	32	U
107-06-2	1,2-Dichloroethane	32	U
79-01-6	Trichloroethene	32	U
78-87-5	1,2-Dichloropropane	32	U
75-27-4	Bromodichloromethane	32	U
74-95-3	Dibromomethane	32	U
108-10-1	4-Methyl-2-pentanone	160	U
108-88-3	Toluene	32	U
79-00-5	1,1,2-Trichloroethane	32	U
591-78-6	2-Hexanone	32	U
127-18-4	Tetrachloroethene	32	U
124-48-1	Chlorodibromomethane	32	U
108-90-7	Chlorobenzene	32	U
630-20-6	1,1,1,2-Tetrachloroethane	32	U
100-41-4	Ethylbenzene	32	U
1330-20-7	m & p-Xylene	63	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 16.5 (g/ml) G
% Moisture 4.11
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-1 0-4
Lab File ID: MAR2030.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	32	U
100-42-5	Styrene	32	U
75-25-2	Bromoform	32	U
98-82-8	Isopropylbenzene	32	U
79-34-5	1,1,2,2-Tetrachloroethane	32	U
108-86-1	Bromobenzene	32	U
96-18-4	1,2,3-Trichloropropane	32	U
103-65-1	n-Propylbenzene	32	U
95-49-8	2-Chlorotoluene	32	U
108-67-8	1,3,5-Trimethylbenzene	32	U
106-43-4	4-Chlorotoluene	32	U
98-06-6	tert-Butylbenzene	32	U
95-63-6	1,2,4-Trimethylbenzene	32	U
135-98-8	sec-Butylbenzene	32	U
99-87-6	p-Isopropyltoluene	32	U
541-73-1	1,3-Dichlorobenzene	32	U
106-46-7	1,4-Dichlorobenzene	32	U
104-51-8	n-Butylbenzene	32	U
95-50-1	1,2-Dichlorobenzene	32	U
96-12-8	1,2-Dibromo-3-chloropropane	32	U
120-82-1	1,2,4-Trichlorobenzene	32	U
87-68-3	Hexachlorobutadiene	32	U
91-20-3	Naphthalene	32	U
87-61-6	1,2,3-Trichlorobenzene	32	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.4 (g/ml) G
% Moisture 2.98
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-5 0-4
Lab File ID: MAR2031.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	30	U
75-01-4	Vinyl Chloride	30	U
74-83-9	Bromomethane	30	U
75-00-3	Chloroethane	30	U
67-64-1	Acetone	150	U
75-35-4	1,1-Dichloroethene	30	U
75-15-0	Carbon Disulfide	30	U
75-09-2	Methylene Chloride	30	U
1634-04-4	tert-Butyl methyl ether	30	U
156-60-5	trans-1,2 Dichloroethene	30	U
75-34-3	1,1-Dichloroethane	30	U
78-93-3	2-Butanone	89	U
594-20-7	2,2-Dichloropropane	30	U
156-59-2	cis-1,2-Dichloroethene	30	U
67-66-3	Chloroform	30	U
74-97-5	Bromochloromethane	30	U
71-55-6	1,1,1-Trichloroethane	30	U
563-58-6	1,1-Dichloropropene	30	U
56-23-5	Carbon Tetrachloride	30	U
71-43-2	Benzene	30	U
107-06-2	1,2-Dichloroethane	30	U
79-01-6	Trichloroethene	30	U
78-87-5	1,2-Dichloropropane	30	U
75-27-4	Bromodichloromethane	30	U
74-95-3	Dibromomethane	30	U
108-10-1	4-Methyl-2-pentanone	150	U
108-88-3	Toluene	30	U
79-00-5	1,1,2-Trichloroethane	30	U
591-78-6	2-Hexanone	30	U
127-18-4	Tetrachloroethene	30	U
124-48-1	Chlorodibromomethane	30	U
108-90-7	Chlorobenzene	30	U
630-20-6	1,1,1,2-Tetrachloroethane	30	U
100-41-4	Ethylbenzene	30	U
1330-20-7	m & p-Xylene	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.4 (g/ml) G
% Moisture 2.98
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-5 0-4
Lab File ID: MAR2031.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	30	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
108-86-1	Bromobenzene	30	U
96-18-4	1,2,3-Trichloropropane	30	U
103-65-1	n-Propylbenzene	30	U
95-49-8	2-Chlorotoluene	30	U
108-67-8	1,3,5-Trimethylbenzene	30	U
106-43-4	4-Chlorotoluene	30	U
98-06-6	tert-Butylbenzene	30	U
95-63-6	1,2,4-Trimethylbenzene	30	U
135-98-8	sec-Butylbenzene	30	U
99-87-6	p-Isopropyltoluene	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
104-51-8	n-Butylbenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U
87-68-3	Hexachlorobutadiene	30	U
91-20-3	Naphthalene	30	U
87-61-6	1,2,3-Trichlorobenzene	30	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 14.0 (g/ml) G
% Moisture 9.2
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-8 0-4
Lab File ID: MAR2032.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	39	U
75-01-4	Vinyl Chloride	39	U
74-83-9	Bromomethane	39	U
75-00-3	Chloroethane	39	U
67-64-1	Acetone	200	U
75-35-4	1,1-Dichloroethene	39	U
75-15-0	Carbon Disulfide	39	U
75-09-2	Methylene Chloride	39	U
1634-04-4	tert-Butyl methyl ether	39	U
156-60-5	trans-1,2 Dichloroethene	39	U
75-34-3	1,1-Dichloroethane	39	U
78-93-3	2-Butanone	120	U
594-20-7	2,2-Dichloropropane	39	U
156-59-2	cis-1,2-Dichloroethene	39	U
67-66-3	Chloroform	39	U
74-97-5	Bromochloromethane	39	U
71-55-6	1,1,1-Trichloroethane	39	U
563-58-6	1,1-Dichloropropene	39	U
56-23-5	Carbon Tetrachloride	39	U
71-43-2	Benzene	39	U
107-06-2	1,2-Dichloroethane	39	U
79-01-6	Trichloroethene	200	
78-87-5	1,2-Dichloropropane	39	U
75-27-4	Bromodichloromethane	39	U
74-95-3	Dibromomethane	39	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	39	U
79-00-5	1,1,2-Trichloroethane	39	U
591-78-6	2-Hexanone	39	U
127-18-4	Tetrachloroethene	39	U
124-48-1	Chlorodibromomethane	39	U
108-90-7	Chlorobenzene	39	U
630-20-6	1,1,1,2-Tetrachloroethane	39	U
100-41-4	Ethylbenzene	39	U
1330-20-7	m & p-Xylene	78	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 14.0 (g/ml) G
% Moisture 9.2
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-8 0-4
Lab File ID: MAR2032.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	39	U
100-42-5	Styrene	39	U
75-25-2	Bromoform	39	U
98-82-8	Isopropylbenzene	39	U
79-34-5	1,1,2,2-Tetrachloroethane	39	U
108-86-1	Bromobenzene	39	U
96-18-4	1,2,3-Trichloropropane	39	U
103-65-1	n-Propylbenzene	39	U
95-49-8	2-Chlorotoluene	39	U
108-67-8	1,3,5-Trimethylbenzene	39	U
106-43-4	4-Chlorotoluene	39	U
98-06-6	tert-Butylbenzene	39	U
95-63-6	1,2,4-Trimethylbenzene	39	U
135-98-8	sec-Butylbenzene	39	U
99-87-6	p-Isopropyltoluene	39	U
541-73-1	1,3-Dichlorobenzene	39	U
106-46-7	1,4-Dichlorobenzene	39	U
104-51-8	n-Butylbenzene	39	U
95-50-1	1,2-Dichlorobenzene	39	U
96-12-8	1,2-Dibromo-3-chloropropane	39	U
120-82-1	1,2,4-Trichlorobenzene	39	U
87-68-3	Hexachlorobutadiene	39	U
91-20-3	Naphthalene	39	U
87-61-6	1,2,3-Trichlorobenzene	39	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 23.5 (g/ml) G
% Moisture 6
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-8 4-8
Lab File ID: MAR2033.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	34	U
75-01-4	Vinyl Chloride	34	U
74-83-9	Bromomethane	34	U
75-00-3	Chloroethane	34	U
67-64-1	Acetone	170	U
75-35-4	1,1-Dichloroethene	34	U
75-15-0	Carbon Disulfide	34	U
75-09-2	Methylene Chloride	34	U
1634-04-4	tert-Butyl methyl ether	34	U
156-60-5	trans-1,2 Dichloroethene	34	U
75-34-3	1,1-Dichloroethane	34	U
78-93-3	2-Butanone	100	U
594-20-7	2,2-Dichloropropane	34	U
156-59-2	cis-1,2-Dichloroethene	34	U
67-66-3	Chloroform	34	U
74-97-5	Bromochloromethane	34	U
71-55-6	1,1,1-Trichloroethane	34	U
563-58-6	1,1-Dichloropropene	34	U
56-23-5	Carbon Tetrachloride	34	U
71-43-2	Benzene	34	U
107-06-2	1,2-Dichloroethane	34	U
79-01-6	Trichloroethene	34	U
78-87-5	1,2-Dichloropropane	34	U
75-27-4	Bromodichloromethane	34	U
74-95-3	Dibromomethane	34	U
108-10-1	4-Methyl-2-pentanone	170	U
108-88-3	Toluene	34	U
79-00-5	1,1,2-Trichloroethane	34	U
591-78-6	2-Hexanone	34	U
127-18-4	Tetrachloroethene	34	U
124-48-1	Chlorodibromomethane	34	U
108-90-7	Chlorobenzene	34	U
630-20-6	1,1,1,2-Tetrachloroethane	34	U
100-41-4	Ethylbenzene	34	U
1330-20-7	m & p-Xylene	68	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 23.5 (g/ml) G
% Moisture 6
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-8 4-8
Lab File ID: MAR2033.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	34	U
100-42-5	Styrene	34	U
75-25-2	Bromoform	34	U
98-82-8	Isopropylbenzene	34	U
79-34-5	1,1,2,2-Tetrachloroethane	34	U
108-86-1	Bromobenzene	34	U
96-18-4	1,2,3-Trichloropropane	34	U
103-65-1	n-Propylbenzene	34	U
95-49-8	2-Chlorotoluene	34	U
108-67-8	1,3,5-Trimethylbenzene	34	U
106-43-4	4-Chlorotoluene	34	U
98-06-6	tert-Butylbenzene	34	U
95-63-6	1,2,4-Trimethylbenzene	34	U
135-98-8	sec-Butylbenzene	34	U
99-87-6	p-Isopropyltoluene	34	U
541-73-1	1,3-Dichlorobenzene	34	U
106-46-7	1,4-Dichlorobenzene	34	U
104-51-8	n-Butylbenzene	34	U
95-50-1	1,2-Dichlorobenzene	34	U
96-12-8	1,2-Dibromo-3-chloropropane	34	U
120-82-1	1,2,4-Trichlorobenzene	34	U
87-68-3	Hexachlorobutadiene	34	U
91-20-3	Naphthalene	34	U
87-61-6	1,2,3-Trichlorobenzene	34	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.3 (g/ml) G
% Moisture 5.7
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-9 0-4
Lab File ID: MAR2034.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	41	U
75-01-4	Vinyl Chloride	41	U
74-83-9	Bromomethane	41	U
75-00-3	Chloroethane	41	U
67-64-1	Acetone	210	U
75-35-4	1,1-Dichloroethene	41	U
75-15-0	Carbon Disulfide	41	U
75-09-2	Methylene Chloride	41	U
1634-04-4	tert-Butyl methyl ether	41	U
156-60-5	trans-1,2 Dichloroethene	41	U
75-34-3	1,1-Dichloroethane	41	U
78-93-3	2-Butanone	120	U
594-20-7	2,2-Dichloropropane	41	U
156-59-2	cis-1,2-Dichloroethene	41	U
67-66-3	Chloroform	41	U
74-97-5	Bromochloromethane	41	U
71-55-6	1,1,1-Trichloroethane	41	U
563-58-6	1,1-Dichloropropene	41	U
56-23-5	Carbon Tetrachloride	41	U
71-43-2	Benzene	41	U
107-06-2	1,2-Dichloroethane	41	U
79-01-6	Trichloroethene	41	U
78-87-5	1,2-Dichloropropane	41	U
75-27-4	Bromodichloromethane	41	U
74-95-3	Dibromomethane	41	U
108-10-1	4-Methyl-2-pentanone	210	U
108-88-3	Toluene	41	U
79-00-5	1,1,2-Trichloroethane	41	U
591-78-6	2-Hexanone	41	U
127-18-4	Tetrachloroethene	41	U
124-48-1	Chlorodibromomethane	41	U
108-90-7	Chlorobenzene	41	U
630-20-6	1,1,1,2-Tetrachloroethane	41	U
100-41-4	Ethylbenzene	41	U
1330-20-7	m & p-Xylene	83	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.3 (g/ml) G
% Moisture 5.7
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-9 0-4
Lab File ID: MAR2034.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	41	U
100-42-5	Styrene	41	U
75-25-2	Bromoform	41	U
98-82-8	Isopropylbenzene	41	U
79-34-5	1,1,2,2-Tetrachloroethane	41	U
108-86-1	Bromobenzene	41	U
96-18-4	1,2,3-Trichloropropane	41	U
103-65-1	n-Propylbenzene	41	U
95-49-8	2-Chlorotoluene	41	U
108-67-8	1,3,5-Trimethylbenzene	41	U
106-43-4	4-Chlorotoluene	41	U
98-06-6	tert-Butylbenzene	41	U
95-63-6	1,2,4-Trimethylbenzene	41	U
135-98-8	sec-Butylbenzene	41	U
99-87-6	p-Isopropyltoluene	41	U
541-73-1	1,3-Dichlorobenzene	41	U
106-46-7	1,4-Dichlorobenzene	41	U
104-51-8	n-Butylbenzene	41	U
95-50-1	1,2-Dichlorobenzene	41	U
96-12-8	1,2-Dibromo-3-chloropropane	41	U
120-82-1	1,2,4-Trichlorobenzene	41	U
87-68-3	Hexachlorobutadiene	41	U
91-20-3	Naphthalene	41	U
87-61-6	1,2,3-Trichlorobenzene	41	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.1 (g/ml) G
% Moisture 6.88
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-9 4-8
Lab File ID: MAR2035.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	47	U
75-01-4	Vinyl Chloride	47	U
74-83-9	Bromomethane	47	U
75-00-3	Chloroethane	47	U
67-64-1	Acetone	240	U
75-35-4	1,1-Dichloroethene	47	U
75-15-0	Carbon Disulfide	47	U
75-09-2	Methylene Chloride	47	U
1634-04-4	tert-Butyl methyl ether	47	U
156-60-5	trans-1,2 Dichloroethene	47	U
75-34-3	1,1-Dichloroethane	47	U
78-93-3	2-Butanone	140	U
594-20-7	2,2-Dichloropropane	47	U
156-59-2	cis-1,2-Dichloroethene	47	U
67-66-3	Chloroform	47	U
74-97-5	Bromochloromethane	47	U
71-55-6	1,1,1-Trichloroethane	47	U
563-58-6	1,1-Dichloropropene	47	U
56-23-5	Carbon Tetrachloride	47	U
71-43-2	Benzene	47	U
107-06-2	1,2-Dichloroethane	47	U
79-01-6	Trichloroethene	47	U
78-87-5	1,2-Dichloropropane	47	U
75-27-4	Bromodichloromethane	47	U
74-95-3	Dibromomethane	47	U
108-10-1	4-Methyl-2-pentanone	240	U
108-88-3	Toluene	47	U
79-00-5	1,1,2-Trichloroethane	47	U
591-78-6	2-Hexanone	47	U
127-18-4	Tetrachloroethene	47	U
124-48-1	Chlorodibromomethane	47	U
108-90-7	Chlorobenzene	47	U
630-20-6	1,1,1,2-Tetrachloroethane	47	U
100-41-4	Ethylbenzene	47	U
1330-20-7	m & p-Xylene	94	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

New England Testing Laboratory, Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.1 (g/ml) G
% Moisture 6.88
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-9 4-8
Lab File ID: MAR2035.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	47	U
100-42-5	Styrene	47	U
75-25-2	Bromoform	47	U
98-82-8	Isopropylbenzene	47	U
79-34-5	1,1,2,2-Tetrachloroethane	47	U
108-86-1	Bromobenzene	47	U
96-18-4	1,2,3-Trichloropropane	47	U
103-65-1	n-Propylbenzene	47	U
95-49-8	2-Chlorotoluene	47	U
108-67-8	1,3,5-Trimethylbenzene	47	U
106-43-4	4-Chlorotoluene	47	U
98-06-6	tert-Butylbenzene	47	U
95-63-6	1,2,4-Trimethylbenzene	47	U
135-98-8	sec-Butylbenzene	47	U
99-87-6	p-Isopropyltoluene	47	U
541-73-1	1,3-Dichlorobenzene	47	U
106-46-7	1,4-Dichlorobenzene	47	U
104-51-8	n-Butylbenzene	47	U
95-50-1	1,2-Dichlorobenzene	47	U
96-12-8	1,2-Dibromo-3-chloropropane	47	U
120-82-1	1,2,4-Trichlorobenzene	47	U
87-68-3	Hexachlorobutadiene	47	U
91-20-3	Naphthalene	47	U
87-61-6	1,2,3-Trichlorobenzene	47	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 20.2 (g/ml) G
% Moisture 12.87
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-10 0-4
Lab File ID: MAR2036.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	28	U
75-01-4	Vinyl Chloride	28	U
74-83-9	Bromomethane	28	U
75-00-3	Chloroethane	28	U
67-64-1	Acetone	140	U
75-35-4	1,1-Dichloroethene	28	U
75-15-0	Carbon Disulfide	28	U
75-09-2	Methylene Chloride	28	U
1634-04-4	tert-Butyl methyl ether	28	U
156-60-5	trans-1,2 Dichloroethene	28	U
75-34-3	1,1-Dichloroethane	28	U
78-93-3	2-Butanone	85	U
594-20-7	2,2-Dichloropropane	28	U
156-59-2	cis-1,2-Dichloroethene	28	U
67-66-3	Chloroform	28	U
74-97-5	Bromochloromethane	28	U
71-55-6	1,1,1-Trichloroethane	28	U
563-58-6	1,1-Dichloropropene	28	U
56-23-5	Carbon Tetrachloride	28	U
71-43-2	Benzene	28	U
107-06-2	1,2-Dichloroethane	28	U
79-01-6	Trichloroethene	28	U
78-87-5	1,2-Dichloropropane	28	U
75-27-4	Bromodichloromethane	28	U
74-95-3	Dibromomethane	28	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	28	U
79-00-5	1,1,2-Trichloroethane	28	U
591-78-6	2-Hexanone	28	U
127-18-4	Tetrachloroethene	28	U
124-48-1	Chlorodibromomethane	28	U
108-90-7	Chlorobenzene	28	U
630-20-6	1,1,1,2-Tetrachloroethane	28	U
100-41-4	Ethylbenzene	28	U
1330-20-7	m & p-Xylene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 20.2 (g/ml) G
% Moisture 12.87
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-10 0-4
Lab File ID: MAR2036.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	28	U
100-42-5	Styrene	28	U
75-25-2	Bromoform	28	U
98-82-8	Isopropylbenzene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
108-86-1	Bromobenzene	28	U
96-18-4	1,2,3-Trichloropropane	28	U
103-65-1	n-Propylbenzene	28	U
95-49-8	2-Chlorotoluene	28	U
108-67-8	1,3,5-Trimethylbenzene	28	U
106-43-4	4-Chlorotoluene	28	U
98-06-6	tert-Butylbenzene	28	U
95-63-6	1,2,4-Trimethylbenzene	28	U
135-98-8	sec-Butylbenzene	28	U
99-87-6	p-Isopropyltoluene	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
104-51-8	n-Butylbenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
96-12-8	1,2-Dibromo-3-chloropropane	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
87-68-3	Hexachlorobutadiene	28	U
91-20-3	Naphthalene	28	U
87-61-6	1,2,3-Trichlorobenzene	28	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.8 (g/ml) G
% Moisture 4.1
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-11 0-4
Lab File ID: MAR2037.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	48	U
75-01-4	Vinyl Chloride	48	U
74-83-9	Bromomethane	48	U
75-00-3	Chloroethane	48	U
67-64-1	Acetone	240	U
75-35-4	1,1-Dichloroethene	48	U
75-15-0	Carbon Disulfide	48	U
75-09-2	Methylene Chloride	48	U
1634-04-4	tert-Butyl methyl ether	48	U
156-60-5	trans-1,2 Dichloroethene	48	U
75-34-3	1,1-Dichloroethane	48	U
78-93-3	2-Butanone	140	U
594-20-7	2,2-Dichloropropane	48	U
156-59-2	cis-1,2-Dichloroethene	48	U
67-66-3	Chloroform	48	U
74-97-5	Bromochloromethane	48	U
71-55-6	1,1,1-Trichloroethane	48	U
563-58-6	1,1-Dichloropropene	48	U
56-23-5	Carbon Tetrachloride	48	U
71-43-2	Benzene	48	U
107-06-2	1,2-Dichloroethane	48	U
79-01-6	Trichloroethene	48	U
78-87-5	1,2-Dichloropropane	48	U
75-27-4	Bromodichloromethane	48	U
74-95-3	Dibromomethane	48	U
108-10-1	4-Methyl-2-pentanone	240	U
108-88-3	Toluene	97	
79-00-5	1,1,2-Trichloroethane	48	U
591-78-6	2-Hexanone	48	U
127-18-4	Tetrachloroethene	48	U
124-48-1	Chlorodibromomethane	48	U
108-90-7	Chlorobenzene	48	U
630-20-6	1,1,1,2-Tetrachloroethane	48	U
100-41-4	Ethylbenzene	48	U
1330-20-7	m & p-Xylene	61	J

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.8 (g/ml) G
% Moisture 4.1
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-11 0-4
Lab File ID: MAR2037.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	48	U
100-42-5	Styrene	48	U
75-25-2	Bromoform	48	U
98-82-8	Isopropylbenzene	48	U
79-34-5	1,1,2,2-Tetrachloroethane	48	U
108-86-1	Bromobenzene	48	U
96-18-4	1,2,3-Trichloropropane	48	U
103-65-1	n-Propylbenzene	48	U
95-49-8	2-Chlorotoluene	48	U
108-67-8	1,3,5-Trimethylbenzene	48	U
106-43-4	4-Chlorotoluene	48	U
98-06-6	tert-Butylbenzene	48	U
95-63-6	1,2,4-Trimethylbenzene	48	U
135-98-8	sec-Butylbenzene	48	U
99-87-6	p-Isopropyltoluene	48	U
541-73-1	1,3-Dichlorobenzene	48	U
106-46-7	1,4-Dichlorobenzene	48	U
104-51-8	n-Butylbenzene	48	U
95-50-1	1,2-Dichlorobenzene	48	U
96-12-8	1,2-Dibromo-3-chloropropane	48	U
120-82-1	1,2,4-Trichlorobenzene	48	U
87-68-3	Hexachlorobutadiene	48	U
91-20-3	Naphthalene	48	U
87-61-6	1,2,3-Trichlorobenzene	48	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.7 (g/ml) G
% Moisture 14.69
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-11 4-8
Lab File ID: MAR2038.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	46	U
75-01-4	Vinyl Chloride	46	U
74-83-9	Bromomethane	46	U
75-00-3	Chloroethane	46	U
67-64-1	Acetone	230	U
75-35-4	1,1-Dichloroethene	46	U
75-15-0	Carbon Disulfide	46	U
75-09-2	Methylene Chloride	46	U
1634-04-4	tert-Butyl methyl ether	46	U
156-60-5	trans-1,2 Dichloroethene	46	U
75-34-3	1,1-Dichloroethane	46	U
78-93-3	2-Butanone	140	U
594-20-7	2,2-Dichloropropane	46	U
156-59-2	cis-1,2-Dichloroethene	46	U
67-66-3	Chloroform	46	U
74-97-5	Bromochloromethane	46	U
71-55-6	1,1,1-Trichloroethane	46	U
563-58-6	1,1-Dichloropropene	46	U
56-23-5	Carbon Tetrachloride	46	U
71-43-2	Benzene	46	U
107-06-2	1,2-Dichloroethane	46	U
79-01-6	Trichloroethene	63	
78-87-5	1,2-Dichloropropane	46	U
75-27-4	Bromodichloromethane	46	U
74-95-3	Dibromomethane	46	U
108-10-1	4-Methyl-2-pentanone	230	U
108-88-3	Toluene	46	U
79-00-5	1,1,2-Trichloroethane	46	U
591-78-6	2-Hexanone	46	U
127-18-4	Tetrachloroethene	46	U
124-48-1	Chlorodibromomethane	46	U
108-90-7	Chlorobenzene	46	U
630-20-6	1,1,1,2-Tetrachloroethane	46	U
100-41-4	Ethylbenzene	46	U
1330-20-7	m & p-Xylene	93	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 12.7 (g/ml) G
% Moisture 14.69
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-11 4-8
Lab File ID: MAR2038.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	46	U
100-42-5	Styrene	46	U
75-25-2	Bromoform	46	U
98-82-8	Isopropylbenzene	46	U
79-34-5	1,1,2,2-Tetrachloroethane	46	U
108-86-1	Bromobenzene	46	U
96-18-4	1,2,3-Trichloropropane	46	U
103-65-1	n-Propylbenzene	46	U
95-49-8	2-Chlorotoluene	46	U
108-67-8	1,3,5-Trimethylbenzene	46	U
106-43-4	4-Chlorotoluene	46	U
98-06-6	tert-Butylbenzene	46	U
95-63-6	1,2,4-Trimethylbenzene	46	U
135-98-8	sec-Butylbenzene	46	U
99-87-6	p-Isopropyltoluene	46	U
541-73-1	1,3-Dichlorobenzene	46	U
106-46-7	1,4-Dichlorobenzene	46	U
104-51-8	n-Butylbenzene	46	U
95-50-1	1,2-Dichlorobenzene	46	U
96-12-8	1,2-Dibromo-3-chloropropane	46	U
120-82-1	1,2,4-Trichlorobenzene	46	U
87-68-3	Hexachlorobutadiene	46	U
91-20-3	Naphthalene	46	U
87-61-6	1,2,3-Trichlorobenzene	46	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 20.2 (g/ml) G
% Moisture 9.4
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-12 0-4
Lab File ID: MAR2039.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	27	U
75-01-4	Vinyl Chloride	27	U
74-83-9	Bromomethane	27	U
75-00-3	Chloroethane	27	U
67-64-1	Acetone	140	U
75-35-4	1,1-Dichloroethene	27	U
75-15-0	Carbon Disulfide	27	U
75-09-2	Methylene Chloride	27	U
1634-04-4	tert-Butyl methyl ether	27	U
156-60-5	trans-1,2 Dichloroethene	27	U
75-34-3	1,1-Dichloroethane	27	U
78-93-3	2-Butanone	82	U
594-20-7	2,2-Dichloropropane	27	U
156-59-2	cis-1,2-Dichloroethene	27	U
67-66-3	Chloroform	27	U
74-97-5	Bromochloromethane	27	U
71-55-6	1,1,1-Trichloroethane	27	U
563-58-6	1,1-Dichloropropene	27	U
56-23-5	Carbon Tetrachloride	27	U
71-43-2	Benzene	27	U
107-06-2	1,2-Dichloroethane	27	U
79-01-6	Trichloroethene	27	U
78-87-5	1,2-Dichloropropane	27	U
75-27-4	Bromodichloromethane	27	U
74-95-3	Dibromomethane	27	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	27	U
79-00-5	1,1,2-Trichloroethane	27	U
591-78-6	2-Hexanone	27	U
127-18-4	Tetrachloroethene	27	U
124-48-1	Chlorodibromomethane	27	U
108-90-7	Chlorobenzene	27	U
630-20-6	1,1,1,2-Tetrachloroethane	27	U
100-41-4	Ethylbenzene	27	U
1330-20-7	m & p-Xylene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 20.2 (g/ml) G
% Moisture 9.4
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-12 0-4
Lab File ID: MAR2039.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	27	U
100-42-5	Styrene	27	U
75-25-2	Bromoform	27	U
98-82-8	Isopropylbenzene	27	U
79-34-5	1,1,2,2-Tetrachloroethane	27	U
108-86-1	Bromobenzene	27	U
96-18-4	1,2,3-Trichloropropane	27	U
103-65-1	n-Propylbenzene	27	U
95-49-8	2-Chlorotoluene	27	U
108-67-8	1,3,5-Trimethylbenzene	27	U
106-43-4	4-Chlorotoluene	27	U
98-06-6	tert-Butylbenzene	27	U
95-63-6	1,2,4-Trimethylbenzene	27	U
135-98-8	sec-Butylbenzene	27	U
99-87-6	p-Isopropyltoluene	27	U
541-73-1	1,3-Dichlorobenzene	27	U
106-46-7	1,4-Dichlorobenzene	27	U
104-51-8	n-Butylbenzene	27	U
95-50-1	1,2-Dichlorobenzene	27	U
96-12-8	1,2-Dibromo-3-chloropropane	27	U
120-82-1	1,2,4-Trichlorobenzene	27	U
87-68-3	Hexachlorobutadiene	27	U
91-20-3	Naphthalene	27	U
87-61-6	1,2,3-Trichlorobenzene	27	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.1 (g/ml) G
% Moisture 11.62
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-12 4-7
Lab File ID: MAR2040.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	30	U
75-01-4	Vinyl Chloride	30	U
74-83-9	Bromomethane	30	U
75-00-3	Chloroethane	30	U
67-64-1	Acetone	150	U
75-35-4	1,1-Dichloroethene	30	U
75-15-0	Carbon Disulfide	30	U
75-09-2	Methylene Chloride	30	U
1634-04-4	tert-Butyl methyl ether	30	U
156-60-5	trans-1,2 Dichloroethene	30	U
75-34-3	1,1-Dichloroethane	30	U
78-93-3	2-Butanone	89	U
594-20-7	2,2-Dichloropropane	30	U
156-59-2	cis-1,2-Dichloroethene	30	U
67-66-3	Chloroform	30	U
74-97-5	Bromochloromethane	30	U
71-55-6	1,1,1-Trichloroethane	30	U
563-58-6	1,1-Dichloropropene	30	U
56-23-5	Carbon Tetrachloride	30	U
71-43-2	Benzene	30	U
107-06-2	1,2-Dichloroethane	30	U
79-01-6	Trichloroethene	30	U
78-87-5	1,2-Dichloropropane	30	U
75-27-4	Bromodichloromethane	30	U
74-95-3	Dibromomethane	30	U
108-10-1	4-Methyl-2-pentanone	150	U
108-88-3	Toluene	30	U
79-00-5	1,1,2-Trichloroethane	30	U
591-78-6	2-Hexanone	30	U
127-18-4	Tetrachloroethene	30	U
124-48-1	Chlorodibromomethane	30	U
108-90-7	Chlorobenzene	30	U
630-20-6	1,1,1,2-Tetrachloroethane	30	U
100-41-4	Ethylbenzene	30	U
1330-20-7	m & p-Xylene	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 19.1 (g/ml) G
% Moisture 11.62
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-12 4-7
Lab File ID: MAR2040.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	30	U
100-42-5	Styrene	30	U
75-25-2	Bromoform	30	U
98-82-8	Isopropylbenzene	30	U
79-34-5	1,1,2,2-Tetrachloroethane	30	U
108-86-1	Bromobenzene	30	U
96-18-4	1,2,3-Trichloropropane	30	U
103-65-1	n-Propylbenzene	30	U
95-49-8	2-Chlorotoluene	30	U
108-67-8	1,3,5-Trimethylbenzene	30	U
106-43-4	4-Chlorotoluene	30	U
98-06-6	tert-Butylbenzene	30	U
95-63-6	1,2,4-Trimethylbenzene	30	U
135-98-8	sec-Butylbenzene	30	U
99-87-6	p-Isopropyltoluene	30	U
541-73-1	1,3-Dichlorobenzene	30	U
106-46-7	1,4-Dichlorobenzene	30	U
104-51-8	n-Butylbenzene	30	U
95-50-1	1,2-Dichlorobenzene	30	U
96-12-8	1,2-Dibromo-3-chloropropane	30	U
120-82-1	1,2,4-Trichlorobenzene	30	U
87-68-3	Hexachlorobutadiene	30	U
91-20-3	Naphthalene	30	U
87-61-6	1,2,3-Trichlorobenzene	30	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.6 (g/ml) G
% Moisture 6.83
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-13 0-4
Lab File ID: MAR2122.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	31	U
75-01-4	Vinyl Chloride	31	U
74-83-9	Bromomethane	31	U
75-00-3	Chloroethane	31	U
67-64-1	Acetone	150	U
75-35-4	1,1-Dichloroethene	31	U
75-15-0	Carbon Disulfide	31	U
75-09-2	Methylene Chloride	31	U
1634-04-4	tert-Butyl methyl ether	31	U
156-60-5	trans-1,2 Dichloroethene	31	U
75-34-3	1,1-Dichloroethane	31	U
78-93-3	2-Butanone	92	U
594-20-7	2,2-Dichloropropane	31	U
156-59-2	cis-1,2-Dichloroethene	31	U
67-66-3	Chloroform	31	U
74-97-5	Bromochloromethane	31	U
71-55-6	1,1,1-Trichloroethane	31	U
563-58-6	1,1-Dichloropropene	31	U
56-23-5	Carbon Tetrachloride	31	U
71-43-2	Benzene	35	
107-06-2	1,2-Dichloroethane	31	U
79-01-6	Trichloroethene	1700	
78-87-5	1,2-Dichloropropane	31	U
75-27-4	Bromodichloromethane	31	U
74-95-3	Dibromomethane	31	U
108-10-1	4-Methyl-2-pentanone	150	U
108-88-3	Toluene	31	U
79-00-5	1,1,2-Trichloroethane	31	U
591-78-6	2-Hexanone	31	U
127-18-4	Tetrachloroethene	170	
124-48-1	Chlorodibromomethane	31	U
108-90-7	Chlorobenzene	31	U
630-20-6	1,1,1,2-Tetrachloroethane	31	U
100-41-4	Ethylbenzene	31	U
1330-20-7	m & p-Xylene	61	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 17.6 (g/ml) G
% Moisture 6.83
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-13 0-4
Lab File ID: MAR2122.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	31	U
100-42-5	Styrene	31	U
75-25-2	Bromoform	31	U
98-82-8	Isopropylbenzene	31	U
79-34-5	1,1,2,2-Tetrachloroethane	31	U
108-86-1	Bromobenzene	31	U
96-18-4	1,2,3-Trichloropropane	31	U
103-65-1	n-Propylbenzene	31	U
95-49-8	2-Chlorotoluene	31	U
108-67-8	1,3,5-Trimethylbenzene	31	U
106-43-4	4-Chlorotoluene	31	U
98-06-6	tert-Butylbenzene	31	U
95-63-6	1,2,4-Trimethylbenzene	31	U
135-98-8	sec-Butylbenzene	31	U
99-87-6	p-Isopropyltoluene	31	U
541-73-1	1,3-Dichlorobenzene	31	U
106-46-7	1,4-Dichlorobenzene	31	U
104-51-8	n-Butylbenzene	31	U
95-50-1	1,2-Dichlorobenzene	31	U
96-12-8	1,2-Dibromo-3-chloropropane	31	U
120-82-1	1,2,4-Trichlorobenzene	31	U
87-68-3	Hexachlorobutadiene	31	U
91-20-3	Naphthalene	31	U
87-61-6	1,2,3-Trichlorobenzene	31	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 13.5 (g/ml) G
% Moisture 17.59
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-15 0-1
Lab File ID: MAR2042.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	45	U
75-01-4	Vinyl Chloride	45	U
74-83-9	Bromomethane	45	U
75-00-3	Chloroethane	45	U
67-64-1	Acetone	230	U
75-35-4	1,1-Dichloroethene	45	U
75-15-0	Carbon Disulfide	45	U
75-09-2	Methylene Chloride	45	U
1634-04-4	tert-Butyl methyl ether	45	U
156-60-5	trans-1,2 Dichloroethene	45	U
75-34-3	1,1-Dichloroethane	45	U
78-93-3	2-Butanone	140	U
594-20-7	2,2-Dichloropropane	45	U
156-59-2	cis-1,2-Dichloroethene	45	U
67-66-3	Chloroform	45	U
74-97-5	Bromochloromethane	45	U
71-55-6	1,1,1-Trichloroethane	45	U
563-58-6	1,1-Dichloropropene	45	U
56-23-5	Carbon Tetrachloride	45	U
71-43-2	Benzene	45	U
107-06-2	1,2-Dichloroethane	45	U
79-01-6	Trichloroethene	45	U
78-87-5	1,2-Dichloropropane	45	U
75-27-4	Bromodichloromethane	45	U
74-95-3	Dibromomethane	45	U
108-10-1	4-Methyl-2-pentanone	230	U
108-88-3	Toluene	45	U
79-00-5	1,1,2-Trichloroethane	45	U
591-78-6	2-Hexanone	45	U
127-18-4	Tetrachloroethene	45	U
124-48-1	Chlorodibromomethane	45	U
108-90-7	Chlorobenzene	45	U
630-20-6	1,1,1,2-Tetrachloroethane	45	U
100-41-4	Ethylbenzene	45	U
1330-20-7	m & p-Xylene	90	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 13.5 (g/ml) G
% Moisture 17.59
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-15 0-1
Lab File ID: MAR2042.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	45	U
100-42-5	Styrene	45	U
75-25-2	Bromoform	45	U
98-82-8	Isopropylbenzene	45	U
79-34-5	1,1,2,2-Tetrachloroethane	45	U
108-86-1	Bromobenzene	45	U
96-18-4	1,2,3-Trichloropropane	45	U
103-65-1	n-Propylbenzene	45	U
95-49-8	2-Chlorotoluene	45	U
108-67-8	1,3,5-Trimethylbenzene	45	U
106-43-4	4-Chlorotoluene	45	U
98-06-6	tert-Butylbenzene	45	U
95-63-6	1,2,4-Trimethylbenzene	45	U
135-98-8	sec-Butylbenzene	45	U
99-87-6	p-Isopropyltoluene	45	U
541-73-1	1,3-Dichlorobenzene	45	U
106-46-7	1,4-Dichlorobenzene	45	U
104-51-8	n-Butylbenzene	45	U
95-50-1	1,2-Dichlorobenzene	45	U
96-12-8	1,2-Dibromo-3-chloropropane	45	U
120-82-1	1,2,4-Trichlorobenzene	45	U
87-68-3	Hexachlorobutadiene	45	U
91-20-3	Naphthalene	45	U
87-61-6	1,2,3-Trichlorobenzene	45	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.8 (g/ml) G
% Moisture 5.47
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-14 0-4
Lab File ID: MAR2043.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	28	U
75-01-4	Vinyl Chloride	28	U
74-83-9	Bromomethane	28	U
75-00-3	Chloroethane	28	U
67-64-1	Acetone	140	U
75-35-4	1,1-Dichloroethene	28	U
75-15-0	Carbon Disulfide	28	U
75-09-2	Methylene Chloride	28	U
1634-04-4	tert-Butyl methyl ether	28	U
156-60-5	trans-1,2 Dichloroethene	28	U
75-34-3	1,1-Dichloroethane	28	U
78-93-3	2-Butanone	84	U
594-20-7	2,2-Dichloropropane	28	U
156-59-2	cis-1,2-Dichloroethene	28	U
67-66-3	Chloroform	28	U
74-97-5	Bromochloromethane	28	U
71-55-6	1,1,1-Trichloroethane	28	U
563-58-6	1,1-Dichloropropene	28	U
56-23-5	Carbon Tetrachloride	28	U
71-43-2	Benzene	28	U
107-06-2	1,2-Dichloroethane	28	U
79-01-6	Trichloroethene	28	U
78-87-5	1,2-Dichloropropane	28	U
75-27-4	Bromodichloromethane	28	U
74-95-3	Dibromomethane	28	U
108-10-1	4-Methyl-2-pentanone	140	U
108-88-3	Toluene	28	U
79-00-5	1,1,2-Trichloroethane	28	U
591-78-6	2-Hexanone	28	U
127-18-4	Tetrachloroethene	28	U
124-48-1	Chlorodibromomethane	28	U
108-90-7	Chlorobenzene	28	U
630-20-6	1,1,1,2-Tetrachloroethane	28	U
100-41-4	Ethylbenzene	28	U
1330-20-7	m & p-Xylene	56	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 18.8 (g/ml) G
% Moisture 5.47
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: S-14 0-4
Lab File ID: MAR2043.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	28	U
100-42-5	Styrene	28	U
75-25-2	Bromoform	28	U
98-82-8	Isopropylbenzene	28	U
79-34-5	1,1,2,2-Tetrachloroethane	28	U
108-86-1	Bromobenzene	28	U
96-18-4	1,2,3-Trichloropropane	28	U
103-65-1	n-Propylbenzene	28	U
95-49-8	2-Chlorotoluene	28	U
108-67-8	1,3,5-Trimethylbenzene	28	U
106-43-4	4-Chlorotoluene	28	U
98-06-6	tert-Butylbenzene	28	U
95-63-6	1,2,4-Trimethylbenzene	28	U
135-98-8	sec-Butylbenzene	28	U
99-87-6	p-Isopropyltoluene	28	U
541-73-1	1,3-Dichlorobenzene	28	U
106-46-7	1,4-Dichlorobenzene	28	U
104-51-8	n-Butylbenzene	28	U
95-50-1	1,2-Dichlorobenzene	28	U
96-12-8	1,2-Dibromo-3-chloropropane	28	U
120-82-1	1,2,4-Trichlorobenzene	28	U
87-68-3	Hexachlorobutadiene	28	U
91-20-3	Naphthalene	28	U
87-61-6	1,2,3-Trichlorobenzene	28	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060320
Lab File ID: MAR2029.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	150	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060320
Lab File ID: MAR2029.D
Date Sampled: 3/8/2006
Date Analyzed: 3/20/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060321
Lab File ID: MAR2121.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
74-87-3	Chloromethane	50	U
75-01-4	Vinyl Chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon Disulfide	50	U
75-09-2	Methylene Chloride	50	U
1634-04-4	tert-Butyl methyl ether	50	U
156-60-5	trans-1,2 Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
78-93-3	2-Butanone	150	U
594-20-7	2,2-Dichloropropane	50	U
156-59-2	cis-1,2-Dichloroethene	50	U
67-66-3	Chloroform	50	U
74-97-5	Bromochloromethane	50	U
71-55-6	1,1,1-Trichloroethane	50	U
563-58-6	1,1-Dichloropropene	50	U
56-23-5	Carbon Tetrachloride	50	U
71-43-2	Benzene	50	U
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
74-95-3	Dibromomethane	50	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	50	U
124-48-1	Chlorodibromomethane	50	U
108-90-7	Chlorobenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
100-41-4	Ethylbenzene	50	U
1330-20-7	m & p-Xylene	100	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

VOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Method: 8260
Matrix: (soil/water) SOIL
Sample wt/vol: 10.0 (g/ml) G
% Moisture 0
Soil Extract Volume: _____ (uL)
Analyst's Initials: MGF

Client Name: Woodard & Curran
Lab Sample ID: VBLK060321
Lab File ID: MAR2121.D
Date Sampled: 3/8/2006
Date Analyzed: 3/21/2006
Dilution Factor: 1.0
Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	UNITS: UG/KG	Q
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
96-18-4	1,2,3-Trichloropropane	50	U
103-65-1	n-Propylbenzene	50	U
95-49-8	2-Chlorotoluene	50	U
108-67-8	1,3,5-Trimethylbenzene	50	U
106-43-4	4-Chlorotoluene	50	U
98-06-6	tert-Butylbenzene	50	U
95-63-6	1,2,4-Trimethylbenzene	50	U
135-98-8	sec-Butylbenzene	50	U
99-87-6	p-Isopropyltoluene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
104-51-8	n-Butylbenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U
87-68-3	Hexachlorobutadiene	50	U
91-20-3	Naphthalene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: New England Testing Lab Contract: Holbrook Chemica

Lab Code: RI010 Case No.: R0309-05 SAS No.: _____ SDG No.: Woodard

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLK060320	96	86	86	0
02	S-1 0-4	97	89	92	0
03	S-5 0-4	97	89	88	0
04	S-8 0-4	97	88	88	0
05	S-8 4-8	98	88	87	0
06	S-9 0-4	98	88	88	0
07	S-9 4-8	98	87	89	0
08	S-10 0-4	101	88	90	0
09	S-11 0-4	98	90	91	0
10	S-11 4-8	100	89	88	0
11	S-12 0-4	101	89	92	0
12	S-12 4-7	101	89	92	0
13	S-15 0-1	102	90	91	0
14	S-14 0-4	103	91	92	0
15	VLCS060320	94	92	102	0
16	VBLK060321	100	95	89	0
17	S-13 0-4	99	95	94	0
18	VLCS060321	89	99	105	0

			QC LIMITS
SMC1	=	1,2-Dichloroethane-D4	(76-130)
SMC2	=	Toluene-D8	(85-124)
SMC3	=	Bromofluorobenzene	(77-121)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/21/06 **Sample ID: VLCS060320**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Chloromethane	50	47	93	70	164
Vinyl Chloride	50	44	87	70	155
Bromomethane	50	77	154	15	213
Chloroethane	50	64	128	52	193
1,1-Dichloroethene	50	48	97	77	137
Methylene Chloride	50	48	96	76	130
trans-1,2 Dichloroethene	50	46	92	74	128
1,1-Dichloroethane	50	50	99	78	126
cis-1,2-Dichloroethene	50	46	92	76	123
Chloroform	50	47	94	83	125
Bromochloromethane	50	51	101	76	121
1,1,1-Trichloroethane	50	43	87	73	129
1,1-Dichloropropene	50	44	89	79	122
Carbon Tetrachloride	50	47	93	74	129
Benzene	50	41	83	75	117
1,2-Dichloroethane	50	54	108	78	123
Trichloroethene	50	55	109	65	141
1,2-Dichloropropane	50	47	94	81	121
Bromodichloromethane	50	47	95	74	116
Dibromomethane	50	50	99	80	115
MIBK	50	57	114	72	147
cis-1,3-Dichloropropene	50	46	92	47	132
Toluene	50	45	90	74	119
Trans-1,3-Dichloropropene	50	47	94	52	136
1,1,2-Trichloroethane	50	49	98	81	118
Ethylene Dibromide	50	53	105	80	121
2-Hexanone	50	63	126	65	153
Tetrachloroethene	50	74	147	29	190
1,3-Dichloropropane	50	50	101	59	143
Chlorodibromomethane	50	45	90	79	114
Chlorobenzene	50	41	81	74	115
1,1,1,2-Tetrachloroethane	50	46	92	77	116
Ethylbenzene	50	43	86	77	117
m & p-Xylene	100	85	85	58	129
o-Xylene	50	45	89	24	175
Styrene	50	45	90	76	111
Bromoform	50	52	104	78	115
Isopropylbenzene	50	47	94	82	125
1,1,2,2-Tetrachloroethane	50	35	71	50	142

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/21/06 **Sample ID: VLCS060320**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Bromobenzene	50	50	101	78	116
1,2,3-Trichloropropane	50	51	103	76	120
n-Propylbenzene	50	45	89	75	118
2-Chlorotoluene	50	42	84	73	114
1,3,5-Trimethylbenzene	50	44	89	74	117
4-Chlorotoluene	50	44	89	72	115
tert-Butylbenzene	50	43	86	80	137
1,2,4-Trimethylbenzene	50	46	92	72	118
sec-Butylbenzene	50	42	85	73	114
p-Isopropyltoluene	50	42	84	72	140
1,3-Dichlorobenzene	50	45	89	69	116
1,4-Dichlorobenzene	50	46	91	69	117
n-Butylbenzene	50	37	73	65	130
1,2-Dichlorobenzene	50	47	93	73	113
1,2-Dibromo-3-chloropropane	50	44	89	46	138
1,2,4-Trichlorobenzene	50	35	70	35	157
Naphthalene	50	43	87	17	186
1,2,3-Trichlorobenzene	50	38	75	32	186

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/21/06 **Sample ID: VLCS060321**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Chloromethane	50	53	107	70	164
Vinyl Chloride	50	59	118	70	155
Bromomethane	50	93	186	15	213
Chloroethane	50	93	186	52	193
1,1-Dichloroethene	50	61	123	77	137
Methylene Chloride	50	54	108	76	130
trans-1,2 Dichloroethene	50	57	115	74	128
1,1-Dichloroethane	50	60	120	78	126
cis-1,2-Dichloroethene	50	54	107	76	123
Chloroform	50	55	111	83	125
Bromochloromethane	50	55	109	76	121
1,1,1-Trichloroethane	50	60	119	73	129
1,1-Dichloropropene	50	56	111	79	122
Carbon Tetrachloride	50	60	120	74	129
Benzene	50	54	108	75	117
1,2-Dichloroethane	50	57	113	78	123
Trichloroethene	50	58	117	65	141
1,2-Dichloropropane	50	55	110	81	121
Bromodichloromethane	50	53	106	74	116
Dibromomethane	50	54	108	80	115
MIBK	50	65	130	72	147
cis-1,3-Dichloropropene	50	54	109	47	132
Toluene	50	56	112	74	119
Trans-1,3-Dichloropropene	50	55	111	52	136
1,1,2-Trichloroethane	50	53	107	81	118
Ethylene Dibromide	50	57	114	80	121
2-Hexanone	50	60	120	65	153
Tetrachloroethene	50	101	203	29	190
1,3-Dichloropropane	50	55	110	59	143
Chlorodibromomethane	50	53	107	79	114
Chlorobenzene	50	52	105	74	115
1,1,1,2-Tetrachloroethane	50	54	108	77	116
Ethylbenzene	50	55	110	77	117
m & p-Xylene	100	109	109	58	129
o-Xylene	50	54	108	24	175
Styrene	50	57	113	76	111
Bromoform	50	57	114	78	115
Isopropylbenzene	50	57	115	82	125
1,1,2,2-Tetrachloroethane	50	48	96	50	142

Volatile Organics Laboratory Control Spike

Date Analyzed: 3/21/06 **Sample ID: VLCS060321**

Compound	Spike Added (ug/L)	Spike Result (ug/L)	Recovery, %	Lower Control Limit, %	Upper Control Limit, %
Bromobenzene	50	52	103	78	116
1,2,3-Trichloropropane	50	50	101	76	120
n-Propylbenzene	50	53	107	75	118
2-Chlorotoluene	50	49	98	73	114
1,3,5-Trimethylbenzene	50	52	104	74	117
4-Chlorotoluene	50	49	97	72	115
tert-Butylbenzene	50	53	106	80	137
1,2,4-Trimethylbenzene	50	53	105	72	118
sec-Butylbenzene	50	51	103	73	114
p-Isopropyltoluene	50	54	108	72	140
1,3-Dichlorobenzene	50	51	102	69	116
1,4-Dichlorobenzene	50	52	103	69	117
n-Butylbenzene	50	54	108	65	130
1,2-Dichlorobenzene	50	51	102	73	113
1,2-Dibromo-3-chloropropane	50	56	111	46	138
1,2,4-Trichlorobenzene	50	52	104	35	157
Naphthalene	50	49	98	17	186
1,2,3-Trichlorobenzene	50	53	106	32	186

RESULTS: SEMIVOLATILE ORGANIC COMPOUNDS

The presence of the NETLAB LOGO in the top right corner of each page in this section indicates:

The Technical Manager of the Organics Analysis Department certifies that the samples included in this section have been prepared and analyzed using the procedures cited and that the results have been reviewed and approved. Any exceptions or qualifications of substance have been reported in the case narrative.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-1 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1625.D
Sample wt/vol: 20.308 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 4.11
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	190	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	51	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	51	U
106-46-7	1,4-Dichlorobenzene	51	U
95-50-1	1,2-Dichlorobenzene	51	U
95-48-7	2-Methylphenol	51	U
108-60-1	bis(2-chloroisopropyl)ether	51	U
106-44-5	4-Methylphenol	51	U
621-64-7	n-Nitroso-di-n-propylamine	51	U
67-72-1	Hexachloroethane	51	U
98-95-3	Nitrobenzene	51	U
78-59-1	Isophorone	51	U
88-75-5	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	510	U
65-85-0	Benzoic acid	770	U
111-91-1	bis(2-Chloroethoxy)methane	51	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	51	U
91-20-3	Naphthalene	51	U
106-47-8	4-Chloroaniline	51	U
87-68-3	Hexachlorobutadiene	51	U
59-50-7	4-Chloro-3-methylphenol	260	U
91-57-6	2-Methylnaphthalene	51	U
77-47-4	Hexachlorocyclopentadiene	51	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	51	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethyl phthalate	51	U
208-96-8	Acenaphthylene	51	U
606-20-2	2,6-Dinitrotoluene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-1 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1625.D
Sample wt/vol: 20.308 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 4.11
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	51	U
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol	260	U
132-64-9	Dibenzofuran	51	U
121-14-2	2,4-Dinitrotoluene	51	U
84-66-2	Diethyl phthalate	51	U
86-73-7	Fluorene	51	U
7005-72-3	4-Chlorophenyl phenyl ether	51	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	n-Nitrosodiphenylamine	51	U
101-55-3	4-Bromophenyl phenyl ether	51	U
118-74-1	Hexachlorobenzene	51	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	51	U
120-12-7	Anthracene	51	U
84-74-2	Di-n-butylphthalate	420	B
206-44-0	Fluoranthene	51	U
92-87-5	Benzidine	3100	U
129-00-0	Pyrene	51	U
85-68-7	Butyl benzyl phthalate	51	U
91-94-1	3,3'-Dichlorobenzidine	51	U
56-55-3	Benzo(a)anthracene	51	U
218-01-9	Chrysene	51	U
117-81-7	bis(2-Ethylhexyl)phthalate	270	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	51	U
207-08-9	Benzo(k)fluoranthene	51	U
50-32-8	Benzo(a)pyrene	51	U
193-39-5	Indeno(1,2,3-cd)pyrene	51	U
53-70-3	Dibenz(a,h)anthracene	51	U
191-24-2	Benzo(g,h,i)perylene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-5 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1626.D
Sample wt/vol: 20.484 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 2.98
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	180	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	bis(2-chloroisopropyl)ether	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	n-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic acid	750	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl phthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-5 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1626.D
Sample wt/vol: 20.484 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 2.98
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethyl phthalate	50	U
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl phenyl ether	50	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl phenyl ether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-butylphthalate	230	B
206-44-0	Fluoranthene	50	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl)phthalate	550	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-7 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1627.D
Sample wt/vol: 20.354 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.63
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	240	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	55	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	55	U
106-46-7	1,4-Dichlorobenzene	1300	
95-50-1	1,2-Dichlorobenzene	55	U
95-48-7	2-Methylphenol	55	U
108-60-1	bis(2-chloroisopropyl)ether	55	U
106-44-5	4-Methylphenol	56	
621-64-7	n-Nitroso-di-n-propylamine	55	U
67-72-1	Hexachloroethane	55	U
98-95-3	Nitrobenzene	55	U
78-59-1	Isophorone	55	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	550	U
65-85-0	Benzoic acid	820	U
111-91-1	bis(2-Chloroethoxy)methane	55	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	6700	E
91-20-3	Naphthalene	55	U
106-47-8	4-Chloroaniline	55	U
87-68-3	Hexachlorobutadiene	55	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	73	
77-47-4	Hexachlorocyclopentadiene	55	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	55	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethyl phthalate	55	U
208-96-8	Acenaphthylene	55	U
606-20-2	2,6-Dinitrotoluene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-7 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1627.D
Sample wt/vol: 20.354 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.63
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	55	U
83-32-9	Acenaphthene	55	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	55	U
121-14-2	2,4-Dinitrotoluene	55	U
84-66-2	Diethyl phthalate	55	U
86-73-7	Fluorene	55	U
7005-72-3	4-Chlorophenyl phenyl ether	55	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	55	U
101-55-3	4-Bromophenyl phenyl ether	55	U
118-74-1	Hexachlorobenzene	1400	
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	64	
120-12-7	Anthracene	55	U
84-74-2	Di-n-butylphthalate	330	B
206-44-0	Fluoranthene	55	U
92-87-5	Benzidine	3300	U
129-00-0	Pyrene	55	U
85-68-7	Butyl benzyl phthalate	55	U
91-94-1	3,3'-Dichlorobenzidine	55	U
56-55-3	Benzo(a)anthracene	55	U
218-01-9	Chrysene	55	U
117-81-7	bis(2-Ethylhexyl)phthalate	5300	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	55	U
207-08-9	Benzo(k)fluoranthene	55	U
50-32-8	Benzo(a)pyrene	55	U
193-39-5	Indeno(1,2,3-cd)pyrene	55	U
53-70-3	Dibenz(a,h)anthracene	55	U
191-24-2	Benzo(g,h,i)perylene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-7 0-4.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2004.D
Sample wt/vol: 20.354 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.63
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 5.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	820	U
110-86-1	Pyridine	550	U
108-95-2	Phenol	550	U
62-53-3	Aniline	550	U
111-44-4	bis(2-Chloroethyl)ether	270	U
95-57-8	2-Chlorophenol	550	U
541-73-1	1,3-Dichlorobenzene	270	U
106-46-7	1,4-Dichlorobenzene	1200	D
95-50-1	1,2-Dichlorobenzene	270	U
95-48-7	2-Methylphenol	270	U
108-60-1	bis(2-chloroisopropyl)ether	270	U
106-44-5	4-Methylphenol	270	U
621-64-7	n-Nitroso-di-n-propylamine	270	U
67-72-1	Hexachloroethane	270	U
98-95-3	Nitrobenzene	270	U
78-59-1	Isophorone	270	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	2700	U
65-85-0	Benzoic acid	4100	U
111-91-1	bis(2-Chloroethoxy)methane	270	U
120-83-2	2,4-Dichlorophenol	550	U
120-82-1	1,2,4-Trichlorobenzene	6800	D
91-20-3	Naphthalene	270	U
106-47-8	4-Chloroaniline	270	U
87-68-3	Hexachlorobutadiene	270	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	270	U
77-47-4	Hexachlorocyclopentadiene	270	U
88-06-2	2,4,6-Trichlorophenol	550	U
95-95-4	2,4,5-Trichlorophenol	550	U
91-58-7	2-Chloronaphthalene	270	U
88-74-4	2-Nitroaniline	270	U
131-11-3	Dimethyl phthalate	270	U
208-96-8	Acenaphthylene	270	U
606-20-2	2,6-Dinitrotoluene	2400	D

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-7 0-4.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2004.D
Sample wt/vol: 20.354 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.63
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 5.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	270	U
83-32-9	Acenaphthene	270	U
51-28-5	2,4-Dinitrophenol	1400	U
100-02-7	4-Nitrophenol	1400	U
132-64-9	Dibenzofuran	270	U
121-14-2	2,4-Dinitrotoluene	270	U
84-66-2	Diethyl phthalate	270	U
86-73-7	Fluorene	270	U
7005-72-3	4-Chlorophenyl phenyl ether	270	U
100-01-6	4-Nitroaniline	270	U
534-52-1	4,6-Dinitro-2-methylphenol	1400	U
86-30-6	n-Nitrosodiphenylamine	270	U
101-55-3	4-Bromophenyl phenyl ether	270	U
118-74-1	Hexachlorobenzene	1300	D
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	270	U
120-12-7	Anthracene	270	U
84-74-2	Di-n-butylphthalate	300	JBD
206-44-0	Fluoranthene	270	U
92-87-5	Benzidine	16000	U
129-00-0	Pyrene	270	U
85-68-7	Butyl benzyl phthalate	270	U
91-94-1	3,3'-Dichlorobenzidine	270	U
56-55-3	Benzo(a)anthracene	270	U
218-01-9	Chrysene	270	U
117-81-7	bis(2-Ethylhexyl)phthalate	5800	BD
117-84-0	Di-n-octyl phthalate	820	U
205-99-2	Benzo(b)fluoranthene	270	U
207-08-9	Benzo(k)fluoranthene	270	U
50-32-8	Benzo(a)pyrene	270	U
193-39-5	Indeno(1,2,3-cd)pyrene	270	U
53-70-3	Dibenz(a,h)anthracene	270	U
191-24-2	Benzo(g,h,i)perylene	270	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-8 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1628.D
Sample wt/vol: 20.392 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.2
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	260	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	54	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	54	U
106-46-7	1,4-Dichlorobenzene	54	U
95-50-1	1,2-Dichlorobenzene	54	U
95-48-7	2-Methylphenol	54	U
108-60-1	bis(2-chloroisopropyl)ether	54	U
106-44-5	4-Methylphenol	54	U
621-64-7	n-Nitroso-di-n-propylamine	54	U
67-72-1	Hexachloroethane	54	U
98-95-3	Nitrobenzene	54	U
78-59-1	Isophorone	54	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	540	U
65-85-0	Benzoic acid	810	U
111-91-1	bis(2-Chloroethoxy)methane	54	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	54	U
91-20-3	Naphthalene	54	U
106-47-8	4-Chloroaniline	54	U
87-68-3	Hexachlorobutadiene	54	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	54	U
77-47-4	Hexachlorocyclopentadiene	54	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	54	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethyl phthalate	54	U
208-96-8	Acenaphthylene	54	U
606-20-2	2,6-Dinitrotoluene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-8 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1628.D
Sample wt/vol: 20.392 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.2
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	54	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	54	U
121-14-2	2,4-Dinitrotoluene	54	U
84-66-2	Diethyl phthalate	54	U
86-73-7	Fluorene	54	U
7005-72-3	4-Chlorophenyl phenyl ether	54	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	54	U
101-55-3	4-Bromophenyl phenyl ether	54	U
118-74-1	Hexachlorobenzene	54	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	54	U
120-12-7	Anthracene	54	U
84-74-2	Di-n-butylphthalate	420	B
206-44-0	Fluoranthene	54	U
92-87-5	Benzidine	3200	U
129-00-0	Pyrene	54	U
85-68-7	Butyl benzyl phthalate	89	
91-94-1	3,3'-Dichlorobenzidine	54	U
56-55-3	Benzo(a)anthracene	54	U
218-01-9	Chrysene	54	U
117-81-7	bis(2-Ethylhexyl)phthalate	530	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	54	U
207-08-9	Benzo(k)fluoranthene	54	U
50-32-8	Benzo(a)pyrene	54	U
193-39-5	Indeno(1,2,3-cd)pyrene	54	U
53-70-3	Dibenz(a,h)anthracene	54	U
191-24-2	Benzo(g,h,i)perylene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-8 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1629.D
Sample wt/vol: 20.057 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	220	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	53	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	53	U
106-46-7	1,4-Dichlorobenzene	53	U
95-50-1	1,2-Dichlorobenzene	53	U
95-48-7	2-Methylphenol	53	U
108-60-1	bis(2-chloroisopropyl)ether	53	U
106-44-5	4-Methylphenol	53	U
621-64-7	n-Nitroso-di-n-propylamine	53	U
67-72-1	Hexachloroethane	53	U
98-95-3	Nitrobenzene	53	U
78-59-1	Isophorone	53	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic acid	800	U
111-91-1	bis(2-Chloroethoxy)methane	53	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	53	U
91-20-3	Naphthalene	53	U
106-47-8	4-Chloroaniline	53	U
87-68-3	Hexachlorobutadiene	53	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	53	U
77-47-4	Hexachlorocyclopentadiene	53	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	53	U
88-74-4	2-Nitroaniline	53	U
131-11-3	Dimethyl phthalate	53	U
208-96-8	Acenaphthylene	53	U
606-20-2	2,6-Dinitrotoluene	53	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-8 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1629.D
Sample wt/vol: 20.057 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	53	U
83-32-9	Acenaphthene	53	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	53	U
121-14-2	2,4-Dinitrotoluene	53	U
84-66-2	Diethyl phthalate	53	U
86-73-7	Fluorene	53	U
7005-72-3	4-Chlorophenyl phenyl ether	53	U
100-01-6	4-Nitroaniline	53	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	53	U
101-55-3	4-Bromophenyl phenyl ether	88	
118-74-1	Hexachlorobenzene	53	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	53	U
120-12-7	Anthracene	53	U
84-74-2	Di-n-butylphthalate	560	B
206-44-0	Fluoranthene	53	U
92-87-5	Benzidine	3200	U
129-00-0	Pyrene	53	U
85-68-7	Butyl benzyl phthalate	53	U
91-94-1	3,3'-Dichlorobenzidine	53	U
56-55-3	Benzo(a)anthracene	53	U
218-01-9	Chrysene	53	U
117-81-7	bis(2-Ethylhexyl)phthalate	270	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	53	U
207-08-9	Benzo(k)fluoranthene	53	U
50-32-8	Benzo(a)pyrene	53	U
193-39-5	Indeno(1,2,3-cd)pyrene	53	U
53-70-3	Dibenz(a,h)anthracene	53	U
191-24-2	Benzo(g,h,i)perylene	53	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-9 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1630.D
Sample wt/vol: 20.521 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 5.27
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	170	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	51	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	51	U
106-46-7	1,4-Dichlorobenzene	51	U
95-50-1	1,2-Dichlorobenzene	51	U
95-48-7	2-Methylphenol	51	U
108-60-1	bis(2-chloroisopropyl)ether	51	U
106-44-5	4-Methylphenol	51	U
621-64-7	n-Nitroso-di-n-propylamine	51	U
67-72-1	Hexachloroethane	51	U
98-95-3	Nitrobenzene	51	U
78-59-1	Isophorone	51	U
88-75-5	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	510	U
65-85-0	Benzoic acid	84	J
111-91-1	bis(2-Chloroethoxy)methane	51	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	51	U
91-20-3	Naphthalene	51	U
106-47-8	4-Chloroaniline	51	U
87-68-3	Hexachlorobutadiene	51	U
59-50-7	4-Chloro-3-methylphenol	260	U
91-57-6	2-Methylnaphthalene	51	U
77-47-4	Hexachlorocyclopentadiene	51	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	51	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethyl phthalate	51	U
208-96-8	Acenaphthylene	51	U
606-20-2	2,6-Dinitrotoluene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-9 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1630.D
Sample wt/vol: 20.521 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 5.27
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	51	U
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol	260	U
132-64-9	Dibenzofuran	51	U
121-14-2	2,4-Dinitrotoluene	51	U
84-66-2	Diethyl phthalate	51	U
86-73-7	Fluorene	51	U
7005-72-3	4-Chlorophenyl phenyl ether	51	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	n-Nitrosodiphenylamine	51	U
101-55-3	4-Bromophenyl phenyl ether	51	U
118-74-1	Hexachlorobenzene	51	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	51	U
120-12-7	Anthracene	51	U
84-74-2	Di-n-butylphthalate	420	B
206-44-0	Fluoranthene	51	U
92-87-5	Benzidine	3100	U
129-00-0	Pyrene	51	U
85-68-7	Butyl benzyl phthalate	230	
91-94-1	3,3'-Dichlorobenzidine	51	U
56-55-3	Benzo(a)anthracene	51	U
218-01-9	Chrysene	51	U
117-81-7	bis(2-Ethylhexyl)phthalate	1100	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	51	U
207-08-9	Benzo(k)fluoranthene	51	U
50-32-8	Benzo(a)pyrene	51	U
193-39-5	Indeno(1,2,3-cd)pyrene	51	U
53-70-3	Dibenz(a,h)anthracene	51	U
191-24-2	Benzo(g,h,i)perylene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-9 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1631.D
Sample wt/vol: 20.366 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6.88
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	170	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	53	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	53	U
106-46-7	1,4-Dichlorobenzene	53	U
95-50-1	1,2-Dichlorobenzene	53	U
95-48-7	2-Methylphenol	53	U
108-60-1	bis(2-chloroisopropyl)ether	53	U
106-44-5	4-Methylphenol	53	U
621-64-7	n-Nitroso-di-n-propylamine	53	U
67-72-1	Hexachloroethane	53	U
98-95-3	Nitrobenzene	53	U
78-59-1	Isophorone	53	U
88-75-5	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic acid	790	U
111-91-1	bis(2-Chloroethoxy)methane	53	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	53	U
91-20-3	Naphthalene	53	U
106-47-8	4-Chloroaniline	53	U
87-68-3	Hexachlorobutadiene	53	U
59-50-7	4-Chloro-3-methylphenol	260	U
91-57-6	2-Methylnaphthalene	53	U
77-47-4	Hexachlorocyclopentadiene	53	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	53	U
88-74-4	2-Nitroaniline	53	U
131-11-3	Dimethyl phthalate	53	U
208-96-8	Acenaphthylene	53	U
606-20-2	2,6-Dinitrotoluene	53	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-9 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1631.D
Sample wt/vol: 20.366 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6.88
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	53	U
83-32-9	Acenaphthene	53	U
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol	260	U
132-64-9	Dibenzofuran	53	U
121-14-2	2,4-Dinitrotoluene	53	U
84-66-2	Diethyl phthalate	53	U
86-73-7	Fluorene	53	U
7005-72-3	4-Chlorophenyl phenyl ether	53	U
100-01-6	4-Nitroaniline	53	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	n-Nitrosodiphenylamine	53	U
101-55-3	4-Bromophenyl phenyl ether	53	U
118-74-1	Hexachlorobenzene	53	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	53	U
120-12-7	Anthracene	53	U
84-74-2	Di-n-butylphthalate	230	B
206-44-0	Fluoranthene	53	U
92-87-5	Benzidine	3200	U
129-00-0	Pyrene	53	U
85-68-7	Butyl benzyl phthalate	53	U
91-94-1	3,3'-Dichlorobenzidine	53	U
56-55-3	Benzo(a)anthracene	53	U
218-01-9	Chrysene	53	U
117-81-7	bis(2-Ethylhexyl)phthalate	270	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	53	U
207-08-9	Benzo(k)fluoranthene	53	U
50-32-8	Benzo(a)pyrene	53	U
193-39-5	Indeno(1,2,3-cd)pyrene	53	U
53-70-3	Dibenz(a,h)anthracene	53	U
191-24-2	Benzo(g,h,i)perylene	53	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-10 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1632.D
Sample wt/vol: 20.235 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 12.87
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	170	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	260	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	57	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	57	U
106-46-7	1,4-Dichlorobenzene	57	U
95-50-1	1,2-Dichlorobenzene	57	U
95-48-7	2-Methylphenol	57	U
108-60-1	bis(2-chloroisopropyl)ether	57	U
106-44-5	4-Methylphenol	57	U
621-64-7	n-Nitroso-di-n-propylamine	57	U
67-72-1	Hexachloroethane	57	U
98-95-3	Nitrobenzene	57	U
78-59-1	Isophorone	57	U
88-75-5	2-Nitrophenol	280	U
105-67-9	2,4-Dimethylphenol	570	U
65-85-0	Benzoic acid	850	U
111-91-1	bis(2-Chloroethoxy)methane	57	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	57	U
91-20-3	Naphthalene	57	U
106-47-8	4-Chloroaniline	57	U
87-68-3	Hexachlorobutadiene	57	U
59-50-7	4-Chloro-3-methylphenol	280	U
91-57-6	2-Methylnaphthalene	57	U
77-47-4	Hexachlorocyclopentadiene	57	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	57	U
88-74-4	2-Nitroaniline	57	U
131-11-3	Dimethyl phthalate	57	U
208-96-8	Acenaphthylene	57	U
606-20-2	2,6-Dinitrotoluene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-10 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1632.D
Sample wt/vol: 20.235 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 12.87
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	57	U
83-32-9	Acenaphthene	57	U
51-28-5	2,4-Dinitrophenol	280	U
100-02-7	4-Nitrophenol	280	U
132-64-9	Dibenzofuran	57	U
121-14-2	2,4-Dinitrotoluene	57	U
84-66-2	Diethyl phthalate	57	U
86-73-7	Fluorene	57	U
7005-72-3	4-Chlorophenyl phenyl ether	57	U
100-01-6	4-Nitroaniline	57	U
534-52-1	4,6-Dinitro-2-methylphenol	280	U
86-30-6	n-Nitrosodiphenylamine	57	U
101-55-3	4-Bromophenyl phenyl ether	57	U
118-74-1	Hexachlorobenzene	57	U
87-86-5	Pentachlorophenol	280	U
85-01-8	Phenanthrene	57	U
120-12-7	Anthracene	57	U
84-74-2	Di-n-butylphthalate	320	B
206-44-0	Fluoranthene	83	
92-87-5	Benzidine	3400	U
129-00-0	Pyrene	65	
85-68-7	Butyl benzyl phthalate	57	U
91-94-1	3,3'-Dichlorobenzidine	57	U
56-55-3	Benzo(a)anthracene	62	
218-01-9	Chrysene	57	U
117-81-7	bis(2-Ethylhexyl)phthalate	100000	EB
117-84-0	Di-n-octyl phthalate	170	U
205-99-2	Benzo(b)fluoranthene	57	U
207-08-9	Benzo(k)fluoranthene	57	U
50-32-8	Benzo(a)pyrene	57	U
193-39-5	Indeno(1,2,3-cd)pyrene	57	U
53-70-3	Dibenz(a,h)anthracene	57	U
191-24-2	Benzo(g,h,i)perylene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-10 0-4.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2007.D
Sample wt/vol: 20.235 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 12.87
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1000.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	170000	U
110-86-1	Pyridine	110000	U
108-95-2	Phenol	110000	U
62-53-3	Aniline	110000	U
111-44-4	bis(2-Chloroethyl)ether	57000	U
95-57-8	2-Chlorophenol	110000	U
541-73-1	1,3-Dichlorobenzene	57000	U
106-46-7	1,4-Dichlorobenzene	57000	U
95-50-1	1,2-Dichlorobenzene	57000	U
95-48-7	2-Methylphenol	57000	U
108-60-1	bis(2-chloroisopropyl)ether	57000	U
106-44-5	4-Methylphenol	57000	U
621-64-7	n-Nitroso-di-n-propylamine	57000	U
67-72-1	Hexachloroethane	57000	U
98-95-3	Nitrobenzene	57000	U
78-59-1	Isophorone	57000	U
88-75-5	2-Nitrophenol	280000	U
105-67-9	2,4-Dimethylphenol	570000	U
65-85-0	Benzoic acid	850000	U
111-91-1	bis(2-Chloroethoxy)methane	57000	U
120-83-2	2,4-Dichlorophenol	110000	U
120-82-1	1,2,4-Trichlorobenzene	57000	U
91-20-3	Naphthalene	57000	U
106-47-8	4-Chloroaniline	57000	U
87-68-3	Hexachlorobutadiene	57000	U
59-50-7	4-Chloro-3-methylphenol	280000	U
91-57-6	2-Methylnaphthalene	57000	U
77-47-4	Hexachlorocyclopentadiene	57000	U
88-06-2	2,4,6-Trichlorophenol	110000	U
95-95-4	2,4,5-Trichlorophenol	110000	U
91-58-7	2-Chloronaphthalene	57000	U
88-74-4	2-Nitroaniline	57000	U
131-11-3	Dimethyl phthalate	57000	U
208-96-8	Acenaphthylene	57000	U
606-20-2	2,6-Dinitrotoluene	57000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-10 0-4.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2007.D
Sample wt/vol: 20.235 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 12.87
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1000.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	57000	U
83-32-9	Acenaphthene	57000	U
51-28-5	2,4-Dinitrophenol	280000	U
100-02-7	4-Nitrophenol	280000	U
132-64-9	Dibenzofuran	57000	U
121-14-2	2,4-Dinitrotoluene	57000	U
84-66-2	Diethyl phthalate	57000	U
86-73-7	Fluorene	57000	U
7005-72-3	4-Chlorophenyl phenyl ether	57000	U
100-01-6	4-Nitroaniline	57000	U
534-52-1	4,6-Dinitro-2-methylphenol	280000	U
86-30-6	n-Nitrosodiphenylamine	57000	U
101-55-3	4-Bromophenyl phenyl ether	57000	U
118-74-1	Hexachlorobenzene	57000	U
87-86-5	Pentachlorophenol	280000	U
85-01-8	Phenanthrene	57000	U
120-12-7	Anthracene	57000	U
84-74-2	Di-n-butylphthalate	170000	U
206-44-0	Fluoranthene	57000	U
92-87-5	Benzidine	3400000	U
129-00-0	Pyrene	57000	U
85-68-7	Butyl benzyl phthalate	57000	U
91-94-1	3,3'-Dichlorobenzidine	57000	U
56-55-3	Benzo(a)anthracene	57000	U
218-01-9	Chrysene	57000	U
117-81-7	bis(2-Ethylhexyl)phthalate	4600000	BD
117-84-0	Di-n-octyl phthalate	170000	U
205-99-2	Benzo(b)fluoranthene	57000	U
207-08-9	Benzo(k)fluoranthene	57000	U
50-32-8	Benzo(a)pyrene	57000	U
193-39-5	Indeno(1,2,3-cd)pyrene	57000	U
53-70-3	Dibenz(a,h)anthracene	57000	U
191-24-2	Benzo(g,h,i)perylene	57000	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-11 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1633.D
Sample wt/vol: 20.508 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 4.1
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	270	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	51	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	51	U
106-46-7	1,4-Dichlorobenzene	51	U
95-50-1	1,2-Dichlorobenzene	51	U
95-48-7	2-Methylphenol	51	U
108-60-1	bis(2-chloroisopropyl)ether	51	U
106-44-5	4-Methylphenol	51	U
621-64-7	n-Nitroso-di-n-propylamine	51	U
67-72-1	Hexachloroethane	51	U
98-95-3	Nitrobenzene	51	U
78-59-1	Isophorone	51	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	510	U
65-85-0	Benzoic acid	760	U
111-91-1	bis(2-Chloroethoxy)methane	51	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	51	U
91-20-3	Naphthalene	51	U
106-47-8	4-Chloroaniline	51	U
87-68-3	Hexachlorobutadiene	51	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	51	U
77-47-4	Hexachlorocyclopentadiene	51	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	51	U
88-74-4	2-Nitroaniline	51	U
131-11-3	Dimethyl phthalate	51	U
208-96-8	Acenaphthylene	51	U
606-20-2	2,6-Dinitrotoluene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-11 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1633.D
Sample wt/vol: 20.508 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 4.1
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	51	U
83-32-9	Acenaphthene	51	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	51	U
121-14-2	2,4-Dinitrotoluene	51	U
84-66-2	Diethyl phthalate	51	U
86-73-7	Fluorene	51	U
7005-72-3	4-Chlorophenyl phenyl ether	51	U
100-01-6	4-Nitroaniline	51	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	51	U
101-55-3	4-Bromophenyl phenyl ether	51	U
118-74-1	Hexachlorobenzene	51	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	51	U
120-12-7	Anthracene	51	U
84-74-2	Di-n-butylphthalate	210	B
206-44-0	Fluoranthene	51	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	51	U
85-68-7	Butyl benzyl phthalate	51	U
91-94-1	3,3'-Dichlorobenzidine	51	U
56-55-3	Benzo(a)anthracene	51	U
218-01-9	Chrysene	51	U
117-81-7	bis(2-Ethylhexyl)phthalate	5200	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	51	U
207-08-9	Benzo(k)fluoranthene	51	U
50-32-8	Benzo(a)pyrene	51	U
193-39-5	Indeno(1,2,3-cd)pyrene	51	U
53-70-3	Dibenz(a,h)anthracene	51	U
191-24-2	Benzo(g,h,i)perylene	51	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-11 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1634.D
Sample wt/vol: 20.666 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 14.69
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	170	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	240	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	57	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	57	U
106-46-7	1,4-Dichlorobenzene	57	U
95-50-1	1,2-Dichlorobenzene	57	U
95-48-7	2-Methylphenol	57	U
108-60-1	bis(2-chloroisopropyl)ether	57	U
106-44-5	4-Methylphenol	57	U
621-64-7	n-Nitroso-di-n-propylamine	57	U
67-72-1	Hexachloroethane	57	U
98-95-3	Nitrobenzene	57	U
78-59-1	Isophorone	57	U
88-75-5	2-Nitrophenol	280	U
105-67-9	2,4-Dimethylphenol	570	U
65-85-0	Benzoic acid	850	U
111-91-1	bis(2-Chloroethoxy)methane	57	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	57	U
91-20-3	Naphthalene	57	U
106-47-8	4-Chloroaniline	57	U
87-68-3	Hexachlorobutadiene	57	U
59-50-7	4-Chloro-3-methylphenol	280	U
91-57-6	2-Methylnaphthalene	64	
77-47-4	Hexachlorocyclopentadiene	57	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	57	U
88-74-4	2-Nitroaniline	57	U
131-11-3	Dimethyl phthalate	57	U
208-96-8	Acenaphthylene	57	U
606-20-2	2,6-Dinitrotoluene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-11 4-8
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1634.D
Sample wt/vol: 20.666 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 14.69
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	57	U
83-32-9	Acenaphthene	57	U
51-28-5	2,4-Dinitrophenol	280	U
100-02-7	4-Nitrophenol	280	U
132-64-9	Dibenzofuran	57	U
121-14-2	2,4-Dinitrotoluene	57	U
84-66-2	Diethyl phthalate	57	U
86-73-7	Fluorene	57	U
7005-72-3	4-Chlorophenyl phenyl ether	57	U
100-01-6	4-Nitroaniline	57	U
534-52-1	4,6-Dinitro-2-methylphenol	280	U
86-30-6	n-Nitrosodiphenylamine	57	U
101-55-3	4-Bromophenyl phenyl ether	57	U
118-74-1	Hexachlorobenzene	57	U
87-86-5	Pentachlorophenol	280	U
85-01-8	Phenanthrene	110	
120-12-7	Anthracene	57	U
84-74-2	Di-n-butylphthalate	380	B
206-44-0	Fluoranthene	88	
92-87-5	Benzidine	3400	U
129-00-0	Pyrene	81	
85-68-7	Butyl benzyl phthalate	57	U
91-94-1	3,3'-Dichlorobenzidine	57	U
56-55-3	Benzo(a)anthracene	57	U
218-01-9	Chrysene	70	
117-81-7	bis(2-Ethylhexyl)phthalate	500	B
117-84-0	Di-n-octyl phthalate	170	U
205-99-2	Benzo(b)fluoranthene	75	
207-08-9	Benzo(k)fluoranthene	57	U
50-32-8	Benzo(a)pyrene	57	U
193-39-5	Indeno(1,2,3-cd)pyrene	57	U
53-70-3	Dibenz(a,h)anthracene	57	U
191-24-2	Benzo(g,h,i)perylene	57	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1635.D
Sample wt/vol: 20.104 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.4
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	330	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	55	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	55	U
106-46-7	1,4-Dichlorobenzene	55	U
95-50-1	1,2-Dichlorobenzene	55	U
95-48-7	2-Methylphenol	55	U
108-60-1	bis(2-chloroisopropyl)ether	55	U
106-44-5	4-Methylphenol	55	U
621-64-7	n-Nitroso-di-n-propylamine	55	U
67-72-1	Hexachloroethane	55	U
98-95-3	Nitrobenzene	55	U
78-59-1	Isophorone	55	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	550	U
65-85-0	Benzoic acid	820	U
111-91-1	bis(2-Chloroethoxy)methane	55	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	55	U
91-20-3	Naphthalene	55	U
106-47-8	4-Chloroaniline	55	U
87-68-3	Hexachlorobutadiene	55	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	55	U
77-47-4	Hexachlorocyclopentadiene	55	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	55	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethyl phthalate	55	U
208-96-8	Acenaphthylene	55	U
606-20-2	2,6-Dinitrotoluene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1635.D
Sample wt/vol: 20.104 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 9.4
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	55	U
83-32-9	Acenaphthene	55	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	55	U
121-14-2	2,4-Dinitrotoluene	55	U
84-66-2	Diethyl phthalate	55	U
86-73-7	Fluorene	55	U
7005-72-3	4-Chlorophenyl phenyl ether	55	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	55	U
101-55-3	4-Bromophenyl phenyl ether	55	U
118-74-1	Hexachlorobenzene	55	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	55	U
120-12-7	Anthracene	55	U
84-74-2	Di-n-butylphthalate	350	B
206-44-0	Fluoranthene	55	U
92-87-5	Benzidine	3300	U
129-00-0	Pyrene	55	U
85-68-7	Butyl benzyl phthalate	55	U
91-94-1	3,3'-Dichlorobenzidine	55	U
56-55-3	Benzo(a)anthracene	55	U
218-01-9	Chrysene	55	U
117-81-7	bis(2-Ethylhexyl)phthalate	6600	B
117-84-0	Di-n-octyl phthalate	610	
205-99-2	Benzo(b)fluoranthene	55	U
207-08-9	Benzo(k)fluoranthene	55	U
50-32-8	Benzo(a)pyrene	55	U
193-39-5	Indeno(1,2,3-cd)pyrene	55	U
53-70-3	Dibenz(a,h)anthracene	55	U
191-24-2	Benzo(g,h,i)perylene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 4-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2016.D
Sample wt/vol: 20.757 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/20/2006
% Moisture: 11.62
Date Analyzed: 3/21/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	70	J
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	55	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	55	U
106-46-7	1,4-Dichlorobenzene	55	U
95-50-1	1,2-Dichlorobenzene	55	U
95-48-7	2-Methylphenol	55	U
108-60-1	bis(2-chloroisopropyl)ether	55	U
106-44-5	4-Methylphenol	55	U
621-64-7	n-Nitroso-di-n-propylamine	55	U
67-72-1	Hexachloroethane	55	U
98-95-3	Nitrobenzene	55	U
78-59-1	Isophorone	55	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	550	U
65-85-0	Benzoic acid	820	U
111-91-1	bis(2-Chloroethoxy)methane	55	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	55	U
91-20-3	Naphthalene	55	U
106-47-8	4-Chloroaniline	55	U
87-68-3	Hexachlorobutadiene	55	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	55	U
77-47-4	Hexachlorocyclopentadiene	55	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	55	U
88-74-4	2-Nitroaniline	55	U
131-11-3	Dimethyl phthalate	55	U
208-96-8	Acenaphthylene	55	U
606-20-2	2,6-Dinitrotoluene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 4-7
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2016.D
Sample wt/vol: 20.757 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/20/2006
% Moisture: 11.62
Date Analyzed: 3/21/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	55	U
83-32-9	Acenaphthene	55	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	55	U
121-14-2	2,4-Dinitrotoluene	55	U
84-66-2	Diethyl phthalate	55	U
86-73-7	Fluorene	55	U
7005-72-3	4-Chlorophenyl phenyl ether	55	U
100-01-6	4-Nitroaniline	55	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	55	U
101-55-3	4-Bromophenyl phenyl ether	55	U
118-74-1	Hexachlorobenzene	55	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	55	U
120-12-7	Anthracene	55	U
84-74-2	Di-n-butylphthalate	410	B
206-44-0	Fluoranthene	55	U
92-87-5	Benzidine	3300	U
129-00-0	Pyrene	55	U
85-68-7	Butyl benzyl phthalate	55	U
91-94-1	3,3'-Dichlorobenzidine	55	U
56-55-3	Benzo(a)anthracene	55	U
218-01-9	Chrysene	55	U
117-81-7	bis(2-Ethylhexyl)phthalate	9100	EB
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	55	U
207-08-9	Benzo(k)fluoranthene	55	U
50-32-8	Benzo(a)pyrene	55	U
193-39-5	Indeno(1,2,3-cd)pyrene	55	U
53-70-3	Dibenz(a,h)anthracene	55	U
191-24-2	Benzo(g,h,i)perylene	55	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 4-7.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2017.D
Sample wt/vol: 20.757 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 11.62
Date Analyzed: 3/21/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 100.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	16000	U
110-86-1	Pyridine	11000	U
108-95-2	Phenol	11000	U
62-53-3	Aniline	11000	U
111-44-4	bis(2-Chloroethyl)ether	5500	U
95-57-8	2-Chlorophenol	11000	U
541-73-1	1,3-Dichlorobenzene	5500	U
106-46-7	1,4-Dichlorobenzene	5500	U
95-50-1	1,2-Dichlorobenzene	5500	U
95-48-7	2-Methylphenol	5500	U
108-60-1	bis(2-chloroisopropyl)ether	5500	U
106-44-5	4-Methylphenol	5500	U
621-64-7	n-Nitroso-di-n-propylamine	5500	U
67-72-1	Hexachloroethane	5500	U
98-95-3	Nitrobenzene	5500	U
78-59-1	Isophorone	5500	U
88-75-5	2-Nitrophenol	27000	U
105-67-9	2,4-Dimethylphenol	55000	U
65-85-0	Benzoic acid	82000	U
111-91-1	bis(2-Chloroethoxy)methane	5500	U
120-83-2	2,4-Dichlorophenol	11000	U
120-82-1	1,2,4-Trichlorobenzene	5500	U
91-20-3	Naphthalene	5500	U
106-47-8	4-Chloroaniline	5500	U
87-68-3	Hexachlorobutadiene	5500	U
59-50-7	4-Chloro-3-methylphenol	27000	U
91-57-6	2-Methylnaphthalene	5500	U
77-47-4	Hexachlorocyclopentadiene	5500	U
88-06-2	2,4,6-Trichlorophenol	11000	U
95-95-4	2,4,5-Trichlorophenol	11000	U
91-58-7	2-Chloronaphthalene	5500	U
88-74-4	2-Nitroaniline	5500	U
131-11-3	Dimethyl phthalate	5500	U
208-96-8	Acenaphthylene	5500	U
606-20-2	2,6-Dinitrotoluene	5500	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-12 4-7.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2017.D
Sample wt/vol: 20.757 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 11.62
Date Analyzed: 3/21/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 100.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	5500	U
83-32-9	Acenaphthene	5500	U
51-28-5	2,4-Dinitrophenol	27000	U
100-02-7	4-Nitrophenol	27000	U
132-64-9	Dibenzofuran	5500	U
121-14-2	2,4-Dinitrotoluene	5500	U
84-66-2	Diethyl phthalate	5500	U
86-73-7	Fluorene	5500	U
7005-72-3	4-Chlorophenyl phenyl ether	5500	U
100-01-6	4-Nitroaniline	5500	U
534-52-1	4,6-Dinitro-2-methylphenol	27000	U
86-30-6	n-Nitrosodiphenylamine	5500	U
101-55-3	4-Bromophenyl phenyl ether	5500	U
118-74-1	Hexachlorobenzene	5500	U
87-86-5	Pentachlorophenol	27000	U
85-01-8	Phenanthrene	5500	U
120-12-7	Anthracene	5500	U
84-74-2	Di-n-butylphthalate	16000	U
206-44-0	Fluoranthene	5500	U
92-87-5	Benzidine	330000	U
129-00-0	Pyrene	5500	U
85-68-7	Butyl benzyl phthalate	5500	U
91-94-1	3,3'-Dichlorobenzidine	5500	U
56-55-3	Benzo(a)anthracene	5500	U
218-01-9	Chrysene	5500	U
117-81-7	bis(2-Ethylhexyl)phthalate	9300	BD
117-84-0	Di-n-octyl phthalate	16000	U
205-99-2	Benzo(b)fluoranthene	5500	U
207-08-9	Benzo(k)fluoranthene	5500	U
50-32-8	Benzo(a)pyrene	5500	U
193-39-5	Indeno(1,2,3-cd)pyrene	5500	U
53-70-3	Dibenz(a,h)anthracene	5500	U
191-24-2	Benzo(g,h,i)perylene	5500	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-13 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1639.D
Sample wt/vol: 20.085 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6.83
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	160	U
110-86-1	Pyridine	110	U
108-95-2	Phenol	210	
62-53-3	Aniline	110	U
111-44-4	bis(2-Chloroethyl)ether	54	U
95-57-8	2-Chlorophenol	110	U
541-73-1	1,3-Dichlorobenzene	54	U
106-46-7	1,4-Dichlorobenzene	54	U
95-50-1	1,2-Dichlorobenzene	54	U
95-48-7	2-Methylphenol	54	U
108-60-1	bis(2-chloroisopropyl)ether	54	U
106-44-5	4-Methylphenol	54	U
621-64-7	n-Nitroso-di-n-propylamine	54	U
67-72-1	Hexachloroethane	54	U
98-95-3	Nitrobenzene	54	U
78-59-1	Isophorone	54	U
88-75-5	2-Nitrophenol	270	U
105-67-9	2,4-Dimethylphenol	540	U
65-85-0	Benzoic acid	800	U
111-91-1	bis(2-Chloroethoxy)methane	54	U
120-83-2	2,4-Dichlorophenol	110	U
120-82-1	1,2,4-Trichlorobenzene	54	U
91-20-3	Naphthalene	54	U
106-47-8	4-Chloroaniline	54	U
87-68-3	Hexachlorobutadiene	54	U
59-50-7	4-Chloro-3-methylphenol	270	U
91-57-6	2-Methylnaphthalene	54	U
77-47-4	Hexachlorocyclopentadiene	54	U
88-06-2	2,4,6-Trichlorophenol	110	U
95-95-4	2,4,5-Trichlorophenol	110	U
91-58-7	2-Chloronaphthalene	54	U
88-74-4	2-Nitroaniline	54	U
131-11-3	Dimethyl phthalate	54	U
208-96-8	Acenaphthylene	54	U
606-20-2	2,6-Dinitrotoluene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-13 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1639.D
Sample wt/vol: 20.085 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 6.83
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	54	U
83-32-9	Acenaphthene	54	U
51-28-5	2,4-Dinitrophenol	270	U
100-02-7	4-Nitrophenol	270	U
132-64-9	Dibenzofuran	54	U
121-14-2	2,4-Dinitrotoluene	54	U
84-66-2	Diethyl phthalate	54	U
86-73-7	Fluorene	54	U
7005-72-3	4-Chlorophenyl phenyl ether	54	U
100-01-6	4-Nitroaniline	54	U
534-52-1	4,6-Dinitro-2-methylphenol	270	U
86-30-6	n-Nitrosodiphenylamine	54	U
101-55-3	4-Bromophenyl phenyl ether	54	U
118-74-1	Hexachlorobenzene	54	U
87-86-5	Pentachlorophenol	270	U
85-01-8	Phenanthrene	54	U
120-12-7	Anthracene	54	U
84-74-2	Di-n-butylphthalate	320	B
206-44-0	Fluoranthene	54	U
92-87-5	Benzidine	3200	U
129-00-0	Pyrene	54	U
85-68-7	Butyl benzyl phthalate	54	U
91-94-1	3,3'-Dichlorobenzidine	54	U
56-55-3	Benzo(a)anthracene	54	U
218-01-9	Chrysene	54	U
117-81-7	bis(2-Ethylhexyl)phthalate	4600	B
117-84-0	Di-n-octyl phthalate	160	U
205-99-2	Benzo(b)fluoranthene	54	U
207-08-9	Benzo(k)fluoranthene	54	U
50-32-8	Benzo(a)pyrene	54	U
193-39-5	Indeno(1,2,3-cd)pyrene	54	U
53-70-3	Dibenz(a,h)anthracene	54	U
191-24-2	Benzo(g,h,i)perylene	54	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-15 0-1
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1643.D
Sample wt/vol: 20.724 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 17.59
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	180	U
110-86-1	Pyridine	120	U
108-95-2	Phenol	310	
62-53-3	Aniline	120	U
111-44-4	bis(2-Chloroethyl)ether	59	U
95-57-8	2-Chlorophenol	120	U
541-73-1	1,3-Dichlorobenzene	59	U
106-46-7	1,4-Dichlorobenzene	59	U
95-50-1	1,2-Dichlorobenzene	59	U
95-48-7	2-Methylphenol	59	U
108-60-1	bis(2-chloroisopropyl)ether	59	U
106-44-5	4-Methylphenol	59	U
621-64-7	n-Nitroso-di-n-propylamine	59	U
67-72-1	Hexachloroethane	59	U
98-95-3	Nitrobenzene	59	U
78-59-1	Isophorone	59	U
88-75-5	2-Nitrophenol	290	U
105-67-9	2,4-Dimethylphenol	590	U
65-85-0	Benzoic acid	880	U
111-91-1	bis(2-Chloroethoxy)methane	59	U
120-83-2	2,4-Dichlorophenol	120	U
120-82-1	1,2,4-Trichlorobenzene	59	U
91-20-3	Naphthalene	75	
106-47-8	4-Chloroaniline	59	U
87-68-3	Hexachlorobutadiene	59	U
59-50-7	4-Chloro-3-methylphenol	290	U
91-57-6	2-Methylnaphthalene	75	
77-47-4	Hexachlorocyclopentadiene	59	U
88-06-2	2,4,6-Trichlorophenol	120	U
95-95-4	2,4,5-Trichlorophenol	120	U
91-58-7	2-Chloronaphthalene	59	U
88-74-4	2-Nitroaniline	59	U
131-11-3	Dimethyl phthalate	59	U
208-96-8	Acenaphthylene	59	U
606-20-2	2,6-Dinitrotoluene	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-15 0-1
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1643.D
Sample wt/vol: 20.724 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 17.59
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	59	U
83-32-9	Acenaphthene	59	U
51-28-5	2,4-Dinitrophenol	290	U
100-02-7	4-Nitrophenol	290	U
132-64-9	Dibenzofuran	59	U
121-14-2	2,4-Dinitrotoluene	59	U
84-66-2	Diethyl phthalate	59	U
86-73-7	Fluorene	59	U
7005-72-3	4-Chlorophenyl phenyl ether	59	U
100-01-6	4-Nitroaniline	59	U
534-52-1	4,6-Dinitro-2-methylphenol	290	U
86-30-6	n-Nitrosodiphenylamine	59	U
101-55-3	4-Bromophenyl phenyl ether	100	
118-74-1	Hexachlorobenzene	59	U
87-86-5	Pentachlorophenol	290	U
85-01-8	Phenanthrene	59	U
120-12-7	Anthracene	59	U
84-74-2	Di-n-butylphthalate	270	B
206-44-0	Fluoranthene	59	U
92-87-5	Benzidine	3500	U
129-00-0	Pyrene	59	U
85-68-7	Butyl benzyl phthalate	59	U
91-94-1	3,3'-Dichlorobenzidine	59	U
56-55-3	Benzo(a)anthracene	59	U
218-01-9	Chrysene	59	U
117-81-7	bis(2-Ethylhexyl)phthalate	19000	EB
117-84-0	Di-n-octyl phthalate	6200	
205-99-2	Benzo(b)fluoranthene	59	U
207-08-9	Benzo(k)fluoranthene	59	U
50-32-8	Benzo(a)pyrene	59	U
193-39-5	Indeno(1,2,3-cd)pyrene	59	U
53-70-3	Dibenz(a,h)anthracene	59	U
191-24-2	Benzo(g,h,i)perylene	59	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-15 0-1.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2013.D
Sample wt/vol: 20.724 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 17.59
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 10.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	1800	U
110-86-1	Pyridine	1200	U
108-95-2	Phenol	1200	U
62-53-3	Aniline	1200	U
111-44-4	bis(2-Chloroethyl)ether	590	U
95-57-8	2-Chlorophenol	1200	U
541-73-1	1,3-Dichlorobenzene	590	U
106-46-7	1,4-Dichlorobenzene	590	U
95-50-1	1,2-Dichlorobenzene	590	U
95-48-7	2-Methylphenol	590	U
108-60-1	bis(2-chloroisopropyl)ether	590	U
106-44-5	4-Methylphenol	590	U
621-64-7	n-Nitroso-di-n-propylamine	590	U
67-72-1	Hexachloroethane	590	U
98-95-3	Nitrobenzene	590	U
78-59-1	Isophorone	590	U
88-75-5	2-Nitrophenol	2900	U
105-67-9	2,4-Dimethylphenol	5900	U
65-85-0	Benzoic acid	8800	U
111-91-1	bis(2-Chloroethoxy)methane	590	U
120-83-2	2,4-Dichlorophenol	1200	U
120-82-1	1,2,4-Trichlorobenzene	590	U
91-20-3	Naphthalene	590	U
106-47-8	4-Chloroaniline	590	U
87-68-3	Hexachlorobutadiene	590	U
59-50-7	4-Chloro-3-methylphenol	2900	U
91-57-6	2-Methylnaphthalene	590	U
77-47-4	Hexachlorocyclopentadiene	590	U
88-06-2	2,4,6-Trichlorophenol	1200	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	590	U
88-74-4	2-Nitroaniline	590	U
131-11-3	Dimethyl phthalate	590	U
208-96-8	Acenaphthylene	590	U
606-20-2	2,6-Dinitrotoluene	590	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-15 0-1.dl
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2013.D
Sample wt/vol: 20.724 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 17.59
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 10.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	590	U
83-32-9	Acenaphthene	590	U
51-28-5	2,4-Dinitrophenol	2900	U
100-02-7	4-Nitrophenol	2900	U
132-64-9	Dibenzofuran	590	U
121-14-2	2,4-Dinitrotoluene	590	U
84-66-2	Diethyl phthalate	590	U
86-73-7	Fluorene	590	U
7005-72-3	4-Chlorophenyl phenyl ether	590	U
100-01-6	4-Nitroaniline	590	U
534-52-1	4,6-Dinitro-2-methylphenol	2900	U
86-30-6	n-Nitrosodiphenylamine	590	U
101-55-3	4-Bromophenyl phenyl ether	590	U
118-74-1	Hexachlorobenzene	590	U
87-86-5	Pentachlorophenol	2900	U
85-01-8	Phenanthrene	590	U
120-12-7	Anthracene	590	U
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	590	U
92-87-5	Benzidine	35000	U
129-00-0	Pyrene	590	U
85-68-7	Butyl benzyl phthalate	590	U
91-94-1	3,3'-Dichlorobenzidine	590	U
56-55-3	Benzo(a)anthracene	590	U
218-01-9	Chrysene	590	U
117-81-7	bis(2-Ethylhexyl)phthalate	44000	BD
117-84-0	Di-n-octyl phthalate	3900	D
205-99-2	Benzo(b)fluoranthene	590	U
207-08-9	Benzo(k)fluoranthene	590	U
50-32-8	Benzo(a)pyrene	590	U
193-39-5	Indeno(1,2,3-cd)pyrene	590	U
53-70-3	Dibenz(a,h)anthracene	590	U
191-24-2	Benzo(g,h,i)perylene	590	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-14 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1640.D
Sample wt/vol: 20.423 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 5.47
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	180	
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	52	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	52	U
106-46-7	1,4-Dichlorobenzene	52	U
95-50-1	1,2-Dichlorobenzene	52	U
95-48-7	2-Methylphenol	52	U
108-60-1	bis(2-chloroisopropyl)ether	52	U
106-44-5	4-Methylphenol	52	U
621-64-7	n-Nitroso-di-n-propylamine	52	U
67-72-1	Hexachloroethane	52	U
98-95-3	Nitrobenzene	52	U
78-59-1	Isophorone	52	U
88-75-5	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	520	U
65-85-0	Benzoic acid	770	U
111-91-1	bis(2-Chloroethoxy)methane	52	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	52	U
91-20-3	Naphthalene	52	U
106-47-8	4-Chloroaniline	52	U
87-68-3	Hexachlorobutadiene	52	U
59-50-7	4-Chloro-3-methylphenol	260	U
91-57-6	2-Methylnaphthalene	52	U
77-47-4	Hexachlorocyclopentadiene	52	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	52	U
88-74-4	2-Nitroaniline	52	U
131-11-3	Dimethyl phthalate	52	U
208-96-8	Acenaphthylene	52	U
606-20-2	2,6-Dinitrotoluene	52	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: S-14 0-4
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1640.D
Sample wt/vol: 20.423 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 5.47
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	52	U
83-32-9	Acenaphthene	52	U
51-28-5	2,4-Dinitrophenol	260	U
100-02-7	4-Nitrophenol	260	U
132-64-9	Dibenzofuran	52	U
121-14-2	2,4-Dinitrotoluene	52	U
84-66-2	Diethyl phthalate	52	U
86-73-7	Fluorene	52	U
7005-72-3	4-Chlorophenyl phenyl ether	52	U
100-01-6	4-Nitroaniline	52	U
534-52-1	4,6-Dinitro-2-methylphenol	260	U
86-30-6	n-Nitrosodiphenylamine	52	U
101-55-3	4-Bromophenyl phenyl ether	52	U
118-74-1	Hexachlorobenzene	52	U
87-86-5	Pentachlorophenol	260	U
85-01-8	Phenanthrene	52	U
120-12-7	Anthracene	52	U
84-74-2	Di-n-butylphthalate	190	B
206-44-0	Fluoranthene	52	U
92-87-5	Benzidine	3100	U
129-00-0	Pyrene	52	U
85-68-7	Butyl benzyl phthalate	52	U
91-94-1	3,3'-Dichlorobenzidine	52	U
56-55-3	Benzo(a)anthracene	52	U
218-01-9	Chrysene	57	
117-81-7	bis(2-Ethylhexyl)phthalate	800	B
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	160	
207-08-9	Benzo(k)fluoranthene	52	U
50-32-8	Benzo(a)pyrene	52	U
193-39-5	Indeno(1,2,3-cd)pyrene	52	U
53-70-3	Dibenz(a,h)anthracene	52	U
191-24-2	Benzo(g,h,i)perylene	52	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060314
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1620.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 0
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	100	U
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	bis(2-chloroisopropyl)ether	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	n-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic acid	750	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl phthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060314
Matrix: (soil/water/air) SOIL
Lab File ID: MAR1620.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/14/2006
% Moisture: 0
Date Analyzed: 3/17/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethyl phthalate	50	U
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl phenyl ether	50	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl phenyl ether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-butylphthalate	370	
206-44-0	Fluoranthene	50	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl)phthalate	210	
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060320
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2014.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/20/2006
% Moisture: 0
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
62-75-9	n-Nitrosodimethylamine	150	U
110-86-1	Pyridine	100	U
108-95-2	Phenol	100	U
62-53-3	Aniline	100	U
111-44-4	bis(2-Chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
95-48-7	2-Methylphenol	50	U
108-60-1	bis(2-chloroisopropyl)ether	50	U
106-44-5	4-Methylphenol	50	U
621-64-7	n-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic acid	750	U
111-91-1	bis(2-Chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	50	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethyl phthalate	50	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Case No.: R0309-05
Client Name: Woodard & Curran
Method: 8270
Lab Sample ID: SBLK060320
Matrix: (soil/water/air) SOIL
Lab File ID: MAR2014.D
Sample wt/vol: 20 (g/ml) G
Date Sampled: 3/8/2006
Level: (low/med) LOW
Date Extracted: 3/20/2006
% Moisture: 0
Date Analyzed: 3/20/2006
Concentrated Extract Volume: 1000 (uL)
Dilution Factor: 1.0
Injection Volume: 1.0 (uL)
Analyst's Initials: RCM

CAS NO.	COMPOUND	UNITS: UG/KG	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethyl phthalate	50	U
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl phenyl ether	50	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	n-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl phenyl ether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
84-74-2	Di-n-butylphthalate	170	
206-44-0	Fluoranthene	50	U
92-87-5	Benzidine	3000	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	bis(2-Ethylhexyl)phthalate	130	J
117-84-0	Di-n-octyl phthalate	150	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenz(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

U=not detected, D=diluted, E=over range (another data sheet is included), J=below limit, B=found in blank

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: New England Testing Lab Case No.: R0309-05

Lab Code: RI010 Client Name: Woodard & Curran

Level: (low/med) LOW

	Sample ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	TOT OUT
01	SBLK060314	78	78	75	81	134	94	0
02	SLCS060314	96	97	92	94	181 *	103	1
03	S-1 0-4	77	75	72	77	139 *	91	1
04	S-5 0-4	82	83	80	82	159 *	100	1
05	S-7 0-4	75	77	71	76	152 *	92	1
06	S-8 0-4	86	84	81	83	148 *	100	1
07	S-8 4-8	89	87	83	87	153 *	107	1
08	S-9 0-4	86	85	86	88	161 *	110	1
09	S-9 4-8	90	90	84	86	147 *	102	1
10	S-10 0-4	83	85	79	89	161 *	90	1
11	S-11 0-4	82	83	79	84	158 *	100	1
12	S-11 4-8	75	76	74	78	148 *	93	1
13	S-12 0-4	87	88	84	92	167 *	113	1
14	S-13 0-4	77	79	75	83	150 *	131	1
15	S-14 0-4	63	64	58	66	132	94	0
16	S-15 0-1	90	89	84	88	175 *	120	1
17	S-7 0-4.DL	61	57	59	72	109	63	0
18	S-10 0-4.DL	D	D	D	D	D	D	0
19	S-15 0-1.DL	71	62	66	83	117	71	0
20	SBLK060320	71	67	64	70	107	73	0
21	SLCS060320	76	78	75	80	161 *	79	1
22	S-12 4-7	81	82	78	86	180 *	91	1
23	S-12 4-7.DL	65	55	50	72	76	62	0

			QC LIMITS
S1	=	2-Fluorophenol	(16-133)
S2	=	Phenol-d6	(25-131)
S3	=	Nitrobenzene-d5	(30-128)
S4	=	2-Fluorobiphenyl	(21-139)
S5	=	2,4,6-Tribromophenol	(26-135)
S6	=	Terphenyl-d14	(29-187)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

New England Testing Laboratory,

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/14/06
Date Analyzed: 03/17/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
n-Nitrosodimethylamine	2500	1971	79	40-140
Phenol	2500	2080	83	30-130
Aniline	2500	3788	152	40-140
bis(2-Chloroethyl)ether	2500	2063	83	40-140
2-Chlorophenol	2500	1989	80	30-130
1,3-Dichlorobenzene	2500	2020	81	40-140
1,4-Dichlorobenzene	2500	2065	83	40-140
1,2-Dichlorobenzene	2500	1996	80	40-140
2-Methylphenol	2500	1843	74	30-130
4-Methylphenol	2500	1410	56	30-130
n-Nitroso-di-n-propylamine	2500	2260	90	40-140
Hexachloroethane	2500	2281	91	40-140
Nitrobenzene	2500	2115	85	40-140
Isophorone	2500	2088	84	40-140
2-Nitrophenol	2500	2196	88	30-130
2,4-Dimethylphenol	2500	2079	83	30-130
bis(2-Chloroethoxy)methane	2500	2263	91	40-140
2,4-Dichlorophenol	2500	2070	83	40-160
1,2,4-Trichlorobenzene	2500	2225	89	40-140
Naphthalene	2500	2181	87	40-140
4-Chloroaniline	2500	29485	1179	40-140
Hexachlorobutadiene	2500	2182	87	40-140
4-Chloro-3-methylphenol	2500	2153	86	30-130
2-Methylnaphthalene	2500	2133	85	40-140
2,4,6-Trichlorophenol	2500	2147	86	30-130
2,4,5-Trichlorophenol	2500	2218	89	30-130
2-Chloronaphthalene	2500	2287	91	40-140
2-Nitroaniline	2500	6024	241	40-140
Dimethyl phthalate	2500	2342	94	40-140
Acenaphthylene	2500	2681	107	40-140
2,6-Dinitrotoluene	2500	2377	95	40-140
Acenaphthene	2500	2253	90	40-140
4-Nitrophenol	2500	2163	87	30-130
Dibenzofuran	2500	2390	96	40-140
2,4-Dinitrotoluene	2500	2439	98	40-140
Diethyl phthalate	2500	2374	95	40-140
Fluorene	2500	2425	97	40-140

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/14/06
Date Analyzed: 03/17/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
4-Chlorophenyl phenyl ethe	2500	2409	96	40-140
n-Nitrosodiphenylamine	2500	30219	1209	40-140
Diphenylamine	2500	30219	1209	40-140
4-Bromophenyl phenyl ether	2500	2367	95	40-140
Hexachlorobenzene	2500	2342	94	40-140
Pentachlorophenol	2500	1893	76	30-130
Phenanthrene	2500	2374	95	40-140
Anthracene	2500	2389	96	40-140
Di-n-butylphthalate	2500	2521	101	40-140
Fluoranthene	2500	2354	94	40-140
Pyrene	2500	2383	95	40-140
Butyl benzyl phthalate	2500	2565	103	40-140
3,3'-Dichlorobenzidine	2500	6909	276	40-140
Benzo(a)anthracene	2500	2405	96	40-140
Chrysene	2500	2366	95	40-140
bis(2-Ethylhexyl)phthalate	2500	2617	105	40-140
Di-n-octyl phthalate	2500	2365	95	40-140
Benzo(b)fluoranthene	2500	2250	90	40-140
Benzo(k)fluoranthene	2500	2455	98	40-140
Benzo(a)pyrene	2500	2385	95	40-140
Indeno(1,2,3-cd)pyrene	2500	2023	81	40-140
Dibenz(a,h)anthracene	2500	2021	81	40-140
Benzo(g,h,i)perylene	2500	1971	79	40-140

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/20/06
Date Analyzed: 03/21/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
n-Nitrosodimethylamine	2500	1633	65	40-140
Phenol	2500	1749	70	30-130
Aniline	2500	4581	183	40-140
bis(2-Chloroethyl)ether	2500	1569	63	40-140
2-Chlorophenol	2500	1748	70	30-130
1,3-Dichlorobenzene	2500	1564	63	40-140
1,4-Dichlorobenzene	2500	1615	65	40-140
1,2-Dichlorobenzene	2500	1560	62	40-140
2-Methylphenol	2500	1551	62	30-130
4-Methylphenol	2500	1395	56	30-130
n-Nitroso-di-n-propylamine	2500	1849	74	40-140
Hexachloroethane	2500	1699	68	40-140
Nitrobenzene	2500	1602	64	40-140
Isophorone	2500	1543	62	40-140
2-Nitrophenol	2500	1635	65	30-130
2,4-Dimethylphenol	2500	1835	73	30-130
bis(2-Chloroethoxy)methane	2500	1627	65	40-140
2,4-Dichlorophenol	2500	1733	69	40-160
1,2,4-Trichlorobenzene	2500	1760	70	40-140
Naphthalene	2500	1726	69	40-140
4-Chloroaniline	2500	37356	1494	40-140
Hexachlorobutadiene	2500	1791	72	40-140
4-Chloro-3-methylphenol	2500	1845	74	30-130
2-Methylnaphthalene	2500	1721	69	40-140
2,4,6-Trichlorophenol	2500	1677	67	30-130
2,4,5-Trichlorophenol	2500	1644	66	30-130
2-Chloronaphthalene	2500	1734	69	40-140
2-Nitroaniline	2500	5287	211	40-140
Dimethyl phthalate	2500	1837	73	40-140
Acenaphthylene	2500	2132	85	40-140
2,6-Dinitrotoluene	2500	1884	75	40-140
Acenaphthene	2500	1796	72	40-140
4-Nitrophenol	2500	1738	70	30-130
Dibenzofuran	2500	1877	75	40-140
2,4-Dinitrotoluene	2500	1972	79	40-140
Diethyl phthalate	2500	1878	75	40-140
Fluorene	2500	1957	78	40-140

Semivolatile Soil Laboratory Control Spike

Date Extracted: 03/20/06
Date Analyzed: 03/21/06

	Amount Spiked ug/Kg	Result, ug/Kg	Recovery %	Recovery Limits
4-Chlorophenyl phenyl ethe	2500	1907	76	40-140
n-Nitrosodiphenylamine	2500	22769	911	40-140
Diphenylamine	2500	22769	911	40-140
4-Bromophenyl phenyl ether	2500	1884	75	40-140
Hexachlorobenzene	2500	1904	76	40-140
Pentachlorophenol	2500	1490	60	30-130
Phenanthrene	2500	1939	78	40-140
Anthracene	2500	1949	78	40-140
Di-n-butylphthalate	2500	2046	82	40-140
Fluoranthene	2500	1979	79	40-140
Pyrene	2500	1704	68	40-140
Butyl benzyl phthalate	2500	1902	76	40-140
3,3'-Dichlorobenzidine	2500	6767	271	40-140
Benzo(a)anthracene	2500	1957	78	40-140
Chrysene	2500	1921	77	40-140
bis(2-Ethylhexyl)phthalate	2500	2024	81	40-140
Di-n-octyl phthalate	2500	1708	68	40-140
Benzo(b)fluoranthene	2500	1902	76	40-140
Benzo(k)fluoranthene	2500	1839	74	40-140
Benzo(a)pyrene	2500	1912	76	40-140
Indeno(1,2,3-cd)pyrene	2500	1626	65	40-140
Dibenz(a,h)anthracene	2500	1636	65	40-140
Benzo(g,h,i)perylene	2500	1581	63	40-140

RESULTS: VOLATILE PETROLEUM HYDROCARBONS

Results for VPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:3
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-1 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	4
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				81
FID Surrogate % Recovery				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:3
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-8 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	9
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				96
FID Surrogate % Recovery				108
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 1:2
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-8 4-8
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/20/06
			Dilution Factor	1X
			% Moisture (soil)	6
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				84
FID Surrogate % Recovery				79
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-9 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/20/06
			Dilution Factor	1X
			% Moisture (soil)	5
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				88
FID Surrogate % Recovery				83
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 3:5
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-9 4-8
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/20/06
			Dilution Factor	1X
			% Moisture (soil)	7
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				87
FID Surrogate % Recovery				82
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-10 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	13
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				81
FID Surrogate % Recovery				92
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	X 1:1 +/- 25%
		X Samples received in air-tight container:	__ Other:
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-11 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	4
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				73
FID Surrogate % Recovery				86
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 4:5
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-11 4-8
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	15
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				73
FID Surrogate % Recovery				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-12 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	9
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				74
FID Surrogate % Recovery				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-12 4-7
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	12
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				75
FID Surrogate % Recovery				86
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /s/ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 3:5
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-13 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/17/06
			Dilution Factor	1X
			% Moisture (soil)	7
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				82
FID Surrogate % Recovery				94
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:3
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-15 0-1
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/17/06
			Dilution Factor	1X
			% Moisture (soil)	18
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				92
FID Surrogate % Recovery				102
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-17 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/17/06
			Dilution Factor	1X
			% Moisture (soil)	6
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				89
FID Surrogate % Recovery				100
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	X Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	__ N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		X Samples rec'd in Methanol: X covering soil __ not covering soil	__ 1:1 +/- 25%
		X Samples received in air-tight container:	X Other: 2:1
Temperature	X Received on Ice X Received at 4° C __ Other: Received at ° C		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	S-14 0-4
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	3/8/06
PID: Fluorobenzene			Date Received	3/9/06
FID: Fluorobenzene			Date Analyzed	3/17/06
			Dilution Factor	1X
			% Moisture (soil)	5
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				76
FID Surrogate % Recovery				84
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	__ Aqueous X Soil __ Sediment __ Other:		
Containers	_Satisfactory __ Broken __ Leaking:		
Sample Preservatives	Aqueous	__ N/A __ pH≤2 __ pH>2 Comment:	
	Soil or Sediment	X N/A __ Samples NOT preserved Methanol or air-tight container	mL Methanol/g soil
		__ Samples rec'd in Methanol: _covering soil __ not covering soil	__ 1:1 +/- 25%
		__ Samples received in air-tight container:	__ Other:
Temperature	_ Received on Ice __ Received at 4° C __ Other:		

VPH ANALYTICAL RESULTS

Method for Ranges: MADEP VPH 01/98			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0309-05
VPH Surrogate Standards			Date Collected	NA
PID: Fluorobenzene			Date Received	NA
FID: Fluorobenzene			Date Analyzed	3/16/06
			Dilution Factor	1X
			% Moisture (soil)	0
Range/Target Analyte	**Elution Range**	**RL**	**Units**	
Unadjusted C5-C8 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Unadjusted C9-C12 Aliphatics[1]	N/A	3.0	mg/Kg	<3.0
Benzene	C5-C8	0.3	mg/Kg	<0.3
Ethylbenzene	C9-C12	0.3	mg/Kg	<0.3
Methyl-tert-butylether	C5-C8	0.3	mg/Kg	<0.3
Naphthalene	N/A	1	mg/Kg	<1
Toluene	C5-C8	0.3	mg/Kg	<0.3
m- & p- Xylenes	C9-C12	0.6	mg/Kg	<0.6
o-Xylene	C9-C12	0.6	mg/Kg	<0.6
C5-C8 Aliphatic Hydrocarbons[1,2]	N/A	3.0	mg/Kg	<3.0
C9-C12 Aliphatic Hydrocarbons[1,3]	N/A	3.0	mg/Kg	<3.0
C9-C10 Aromatic Hydrocarbons[1]	N/A	3.0	mg/Kg	<3.0
PID Surrogate % Recovery				89
FID Surrogate % Recovery				96
Surrogate Acceptance Range				70-130%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C_5-C_8 Aliphatic Hydrocarbons exclude the concentration of Target Analytes eluting in that range

[3]C_9-C_{12} Aliphatic Hydrocarbons exclude conc of Target Analytes eluting in that range AND concentration of C_9-C_{10} Aromatic Hydrocarbons

CERTIFICATION

Were all QA/QC procedures REQUIRED by the VPH Method followed? X Yes __ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes __ No-Details Attached
Were any significant modifications made to the VPH method, as specified in Section 11.3? X No __ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /s/ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 3/16/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	5.0	3.6	72	40-140
Benzene	5.0	5.6	112	40-140
Toluene	5.0	5.6	111	40-140
Ethylbenzene	5.0	5.6	111	40-140
m&p Xylene	10.0	9.8	98	40-140
o-Xylene	5.0	4.7	94	40-140
Naphthalene	5.0	5.9	118	NA
Pentane	5.0	4.5	90	40-140
2-Methyl pentane	5.0	4.8	95	40-140
2,2,4-trimethylpentan	5.0	4.9	98	40-140

VPH LABORATORY CONTROL SPIKE

Date Analyzed: 3/20/06

Compound	Spike Added, mg/Kg	Spike Result, mg/Kg	Recovery, %	Recovery Limits, %
TBME	5.0	2.8	56	40-140
Benzene	5.0	4.4	87	40-140
Toluene	5.0	4.2	84	40-140
Ethylbenzene	5.0	4.2	84	40-140
m&p Xylene	10.0	7.8	78	40-140
o-Xylene	5.0	3.9	78	40-140
Naphthalene	5.0	4.6	91	NA
Pentane	5.0	4.1	81	40-140
2-Methyl pentane	5.0	4.1	81	40-140
2,2,4-trimethylpentan	5.0	4.1	81	40-140

RESULTS: EXTRACTABLE PETROLEUM HYDROCARBONS

Results for EPH analysis are presented in the following section. Each page is electronically signed. In the hardcopy report, two signatures appear on the approval line – the electronic signature and the handwritten signature.

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-1 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	4
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				65
Aromatic Surrogate % Recovery				69
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				87
Fractionation Surrogate % Recovery				78
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-5 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	3
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				66
Aromatic Surrogate % Recovery				49
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				74
Fractionation Surrogate % Recovery				66
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-7 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	10
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	259
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	259
Aliphatic Surrogate % Recovery				60
Aromatic Surrogate % Recovery				43
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				58
Fractionation Surrogate % Recovery				53
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-8 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	9
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	17
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	16
Aliphatic Surrogate % Recovery				64
Aromatic Surrogate % Recovery				66
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				81
Fractionation Surrogate % Recovery				73
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-8 4-8
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	6
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				76
Aromatic Surrogate % Recovery				41
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				57
Fractionation Surrogate % Recovery				52
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-9 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	5
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				82
Aromatic Surrogate % Recovery				57
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				75
Fractionation Surrogate % Recovery				67
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-9 4-8
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	7
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				51
Aromatic Surrogate % Recovery				40
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				63
Fractionation Surrogate % Recovery				57
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-10 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06 and 3/22/06
2-Fluorobiphenyl			Dilution Factor	1X and 50X
2-Bromonaphthalene			% Moisture (soil)	13
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	1320
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	1310
Aliphatic Surrogate % Recovery				67
Aromatic Surrogate % Recovery				52
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				84
Fractionation Surrogate % Recovery				79
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range

[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached

Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached

Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-11 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	4
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				65
Aromatic Surrogate % Recovery				52
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				71
Fractionation Surrogate % Recovery				70
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-11 4-8
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	15
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	21
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	20
Aliphatic Surrogate % Recovery				87
Aromatic Surrogate % Recovery				47
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				62
Fractionation Surrogate % Recovery				56
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-12 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	9
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	153
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	150
Aliphatic Surrogate % Recovery				76
Aromatic Surrogate % Recovery				60
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				69
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-12 4-7
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	12
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	152
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	149
Aliphatic Surrogate % Recovery				54
Aromatic Surrogate % Recovery				54
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				77
Fractionation Surrogate % Recovery				70
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-13 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	7
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	19
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	19
Aliphatic Surrogate % Recovery				50
Aromatic Surrogate % Recovery				56
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				82
Fractionation Surrogate % Recovery				75
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-15 0-1
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	18
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				48
Aromatic Surrogate % Recovery				51
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				82
Fractionation Surrogate % Recovery				74
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-17 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	6
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	21
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	21
Aliphatic Surrogate % Recovery				57
Aromatic Surrogate % Recovery				54
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				79
Fractionation Surrogate % Recovery				72
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	X Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	X Received on Ice X Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	S-14 0-4
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	3/8/06
Aliphatic: Chlorooctadecane			Date Received	3/9/06
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06 and 3/22/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	5
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				44
Aromatic Surrogate % Recovery				52
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				93
Fractionation Surrogate % Recovery				87
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: Mark H. Bishop /ES POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

SAMPLE INFORMATION

Matrix	Aqueous X Soil Sediment Other:
Containers	Satisfactory Broken Leaking:
Aqueous Preservatives	X N/A pH<2 pH>2 Comment:
Temperature	Received on Ice Received at 4 ° C Other:
Extraction Method	Water: Soil: Soxhlet

EPH ANALYTICAL RESULTS

Method for Ranges: MADEP EPH 98-1			Client ID	Method Blank
Method for Target Analytes:			Lab ID	R0309-05
EPH Surrogate Standards			Date Collected	NA
Aliphatic: Chlorooctadecane			Date Received	NA
Aromatic: o-Terphenyl			Date Extracted	3/16/06
EPH Fractionation Surrogates			Date Analyzed	3/19/06
2-Fluorobiphenyl			Dilution Factor	1X
2-Bromonaphthalene			% Moisture (soil)	0
RANGE/TARGET ANALYTE		**RL**	**Units**	
Unadjusted C11-C22 Aromatics[1]		10.0	mg/Kg	<10.0
Diesel PAH Analytes	Naphthalene	0.5	mg/Kg	<0.5
	2-Methylnaphthalene	0.5	mg/Kg	<0.5
	Phenanthrene	0.5	mg/Kg	<0.5
	Acenaphthylene	0.5	mg/Kg	<0.5
Other Target PAH Analytes	Acenaphthene	0.5	mg/Kg	<0.5
	Fluorene	0.5	mg/Kg	<0.5
	Anthracene	0.5	mg/Kg	<0.5
	Fluoranthene	0.5	mg/Kg	<0.5
	Pyrene	0.5	mg/Kg	<0.5
	Benzo(a)anthracene	0.5	mg/Kg	<0.5
	Chrysene	0.5	mg/Kg	<0.5
	Benzo(b)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(k)fluoranthene	0.5	mg/Kg	<0.5
	Benzo(a)pyrene	0.5	mg/Kg	<0.5
	Indeno(1,2,3-cd)pyrene	0.5	mg/Kg	<0.5
	Dibenzo(a,h)anthracene	0.5	mg/Kg	<0.5
	Benzo(g,h,i)perylene	0.5	mg/Kg	<0.5
C9-C18 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C19-C36 Aliphatic Hydrocarbons[1]		10.0	mg/Kg	<10.0
C11-C22 Aromatic Hydrocarbons[1,2]		10.0	mg/Kg	<10.0
Aliphatic Surrogate % Recovery				49
Aromatic Surrogate % Recovery				55
Sample Surrogate Acceptance Range				40-140%
Fractionation Surrogate % Recovery				76
Fractionation Surrogate % Recovery				67
Fractionation Surrogate Acceptance Range				40-140%

[1]Hydrocarbon Range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range
[2]C11-C22 Aromatic Hydrocarbons exclude the concentration of Target PAH Analytes

CERTIFICATION

Were all QA/QC procedures REQUIRED by the EPH Method followed? X Yes _ No-Details Attached
Were all performance/acceptance standards for the required QA/QC procedures achieved? X Yes _ No-Details Attached
Were any significant modifications made to the EPH method, as specified in Section 11.3? X No _ Yes-Details Attached

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

SIGNATURE: _____ POSITION: Laboratory Director

PRINTED NAME: Mark H. Bishop DATE: 3/23/2006

LABORATORY CONTROL SPIKE

Extractable Petroleum Hydrocarbons
Matrix: Soil
Date extracted: 3/16/2006
Date analyzed: 3/19/2006

Analyte	TRUE Value	Result, mg/kg	Recovery, %	QC Limits
Aliphatics C_9 to C_{18}	12	6	53	40-160
Aliphatics C_{19} to C_{36}	16	8	50	40-160
Aromatics C_{11} to C_{22}	34	16	47	40-160
Naphthalene	2	1.1	53	40-160
2-Methylnaphthalene	2	0.9	47	40-160
Acenaphthylene	2	0.9	47	40-160
Acenaphthene	2	1.0	48	40-160
Fluorene	2	1.0	49	40-160
Phenanthrene	2	1.0	51	40-160
Anthracene	2	0.9	47	40-160
Fluoranthene	2	0.9	45	40-160
Pyrene	2	0.9	46	40-160
Benzo(a)anthracene	2	0.9	47	40-160
Chrysene	2	0.9	45	40-160
Benzo(b) fluoranthene	2	0.9	45	40-160
Benzo(k)fluoranthene	2	0.9	46	40-160
Benzo(a)pyrene	2	0.9	45	40-160
Indeno-(1,2,3-cd) pyrene	2	0.8	42	40-160
Dibenzo(a,h)anthracene	2	1.0	48	40-160
Benzo(g,h,i)perylene	2	1.0	50	40-160

Custody Records

NEW ENGLAND TESTING LABORATORY, INC.
1254 Douglas Avenue
North Providence, RI 02904

CHAIN OF CUSTODY RECORD

R0309.05

PROJ. NO: 218390 | PROJECT NAME: HoiBrook chemical
CLIENT: Woodard & Curran

SAMPLE I.D.	DATE	TIME	COMP	GRAB	STATION LOCATION	NO. OF CONTAINERS	EPH	VPH	RCRA 8 metals	SVOCs	Pest. C. des	PCBs	VOCs	DIOXIN	REMARKS
S-1 0-4	3/8	1300		X		4	X	X	X	X	X	X	X		
S-5 0-4		930		X		3	X		X	X		X	X		add to c.o.c. as per
S-7 0-4		1610		X		2	X		X	X	X	X		X	J. Edmands:
S-8 0-4		1000		X		4	X	X	X	X	X	X	X		S-14 0-4
S-8 4-8		1000		X		4	X	X	X	X	X	X	X		EPH, VPH, RCRA 8 met,
S-9 0-4		1015		X		4	X	X	X	X	X	X	X		SVOCs, Pest, PCB, VOC
S-9 4-8		1015		X		4	X	X	X	X	X	X	X		
S-10 0-4		1030		X		4	X	X	X	X	X	X	X		
S-11 0-4		900		X		4	X	X	X	X	X	X	X		
S-11 4-8		900		X		4	X	X	X	X	X	X	X		
S-12 0-4		1100		X		4	X	X	X	X	X	X	X		
S-12 4-7		1100		X		4	X	X	X	X	X	X	X		
S-13 0-4		1330		X		4	X	X	X	X	X	X	X		
S-15 0-1		1145		X		4	X	X	X	X	X	X	X		
S-17 0-4		1215		X		2	X	X	X						

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/9/06 800				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
			3/9/06 1247	Temp 4°	

ANALYTICAL REPORT

Lab Number:	L0907829
Client:	Woodard & Curran 980 Washington Street Dedham, MA 02026
ATTN:	Craig Blake
Project Name:	TRANSLOAD AMERICA
Project Number:	218390
Report Date:	06/26/09

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

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

Project Name: TRANSLOAD AMERICA
Project Number: 218390

Lab Number: L0907829
Report Date: 06/26/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0907829-01	B-4 (0-6')	HOLBROOK, MA	06/08/09 09:00
L0907829-02	B-4 (6-10')	HOLBROOK, MA	06/08/09 09:45
L0907829-03	B-2 (0-6')	HOLBROOK, MA	06/08/09 13:00
L0907829-04	B-2 (6-10')	HOLBROOK, MA	06/08/09 13:30
L0907829-05	B-5 (0-6')	HOLBROOK, MA	06/08/09 15:15
L0907829-06	B-5 (6-10')	HOLBROOK, MA	06/09/09 08:30
L0907829-07	SAB-1 (0-4')	HOLBROOK, MA	06/09/09 11:45
L0907829-08	SAB-3B (0-6')	HOLBROOK, MA	06/11/09 00:00
L0907829-09	B-1 (0-6')	HOLBROOK, MA	06/11/09 11:30
L0907829-10	SAB-2 (0-6')	HOLBROOK, MA	06/11/09 14:30

Project Name:	TRANSLOAD AMERICA	**Lab Number:**	L0907829
Project Number:	218390	**Report Date:**	06/26/09

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?	YES

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?	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: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

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

Volatile Organics
In reference to question E:
The WG366791-1/-2 LCS/LCSD recoveries associated with L0907829-06 are below the acceptance criteria for Dichlorodifluoromethane (63%/63%), Acetone (LCSD at 56%) and Carbon disulfide (55%/56%); however, they have been identified as "difficult" analytes. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for these compounds.
The WG367158-1 LCS recovery associated with L0907829-03, -04, -05, -08, -09 and -10 is above the

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829
Project Number: 218390 **Report Date:** 06/26/09

Case Narrative (continued)

acceptance criteria for 2-Butanone (136%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported; however, all positive detects are considered to have a potentially high bias for this compound.
The WG367158-2 LCSD recovery associated with L0907829-03, -04, -05, -08, -09 and -10 is below the acceptance criteria for Dichlorodifluoromethane (68%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported; however, all results are considered to have a potentially low bias for this compound.

Semivolatile Organics
In reference to question F:
All samples were analyzed for a subset of MCP compounds per the Client request.

EPH
L0907829-01 and -05 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.
In reference to question E:
In order to demonstrate the absence of aliphatic mass discrimination, the response ratio of C28 to C20 must be at least 0.85. However, for L0907829-01 and -09, the response ratio of C28 to C20 was <0.85 (0.84 for both).

Pesticides
A copy of the Degradation Standards for 4,4'-DDT and Endrin breakdown products is included as an addendum.

Metals
In reference to question F:
All samples were analyzed for a subset of MCP elements per the Chain of Custody.

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

Authorized Signature: Elizabeth A. Simmons

Title: Technical Director/Representative Date: 06/26/09

ORGANICS

VOLATILES

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-03	Date Collected:	06/08/09 13:00
Client ID:	B-2 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	60,8260B		
Analytical Date:	06/16/09 15:57		
Analyst:	BN		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	18	1
1,1-Dichloroethane	ND		ug/kg	2.7	1
Chloroform	ND		ug/kg	2.7	1
Carbon tetrachloride	ND		ug/kg	1.8	1
1,2-Dichloropropane	ND		ug/kg	6.3	1
Dibromochloromethane	ND		ug/kg	1.8	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	1
Tetrachloroethene	ND		ug/kg	1.8	1
Chlorobenzene	ND		ug/kg	1.8	1
Trichlorofluoromethane	ND		ug/kg	9.0	1
1,2-Dichloroethane	ND		ug/kg	1.8	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Bromodichloromethane	ND		ug/kg	1.8	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	1
1,1-Dichloropropene	ND		ug/kg	9.0	1
Bromoform	ND		ug/kg	7.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	1
Benzene	ND		ug/kg	1.8	1
Toluene	ND		ug/kg	2.7	1
Ethylbenzene	ND		ug/kg	1.8	1
Chloromethane	ND		ug/kg	9.0	1
Bromomethane	ND		ug/kg	3.6	1
Vinyl chloride	ND		ug/kg	3.6	1
Chloroethane	ND		ug/kg	3.6	1
1,1-Dichloroethene	ND		ug/kg	1.8	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	1
Trichloroethene	ND		ug/kg	1.8	1
1,2-Dichlorobenzene	ND		ug/kg	9.0	1
1,3-Dichlorobenzene	ND		ug/kg	9.0	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-03 Date Collected: 06/08/09 13:00

Client ID: B-2 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	9.0	1
Methyl tert butyl ether	ND		ug/kg	3.6	1
p/m-Xylene	ND		ug/kg	3.6	1
o-Xylene	ND		ug/kg	3.6	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	1
Dibromomethane	ND		ug/kg	18	1
1,2,3-Trichloropropane	ND		ug/kg	18	1
Styrene	ND		ug/kg	3.6	1
Dichlorodifluoromethane	ND		ug/kg	18	1
Acetone	ND		ug/kg	18	1
Carbon disulfide	ND		ug/kg	90	1
2-Butanone	ND		ug/kg	18	1
4-Methyl-2-pentanone	ND		ug/kg	18	1
2-Hexanone	ND		ug/kg	18	1
Bromochloromethane	ND		ug/kg	9.0	1
Tetrahydrofuran	ND		ug/kg	36	1
2,2-Dichloropropane	ND		ug/kg	9.0	1
1,2-Dibromoethane	ND		ug/kg	7.2	1
1,3-Dichloropropane	ND		ug/kg	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	1
Bromobenzene	ND		ug/kg	9.0	1
n-Butylbenzene	ND		ug/kg	1.8	1
sec-Butylbenzene	ND		ug/kg	1.8	1
tert-Butylbenzene	ND		ug/kg	9.0	1
o-Chlorotoluene	ND		ug/kg	9.0	1
p-Chlorotoluene	ND		ug/kg	9.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	1
Hexachlorobutadiene	ND		ug/kg	9.0	1
Isopropylbenzene	ND		ug/kg	1.8	1
p-Isopropyltoluene	ND		ug/kg	1.8	1
Naphthalene	ND		ug/kg	9.0	1
n-Propylbenzene	ND		ug/kg	1.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.0	1
Ethyl ether	ND		ug/kg	9.0	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-03 Date Collected: 06/08/09 13:00

Client ID: B-2 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	7.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	7.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	7.2	1
1,4-Dioxane	ND		ug/kg	900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	118		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	96		70-130

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-04	Date Collected:	06/08/09 13:30
Client ID:	B-2 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	60,8260B		
Analytical Date:	06/16/09 16:32		
Analyst:	BN		
Percent Solids:	90%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	7.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	1
Chloroform	ND		ug/kg	1.2	1
Carbon tetrachloride	ND		ug/kg	0.78	1
1,2-Dichloropropane	ND		ug/kg	2.7	1
Dibromochloromethane	ND		ug/kg	0.78	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	1
Tetrachloroethene	ND		ug/kg	0.78	1
Chlorobenzene	ND		ug/kg	0.78	1
Trichlorofluoromethane	ND		ug/kg	3.9	1
1,2-Dichloroethane	ND		ug/kg	0.78	1
1,1,1-Trichloroethane	ND		ug/kg	0.78	1
Bromodichloromethane	ND		ug/kg	0.78	1
trans-1,3-Dichloropropene	ND		ug/kg	0.78	1
cis-1,3-Dichloropropene	ND		ug/kg	0.78	1
1,1-Dichloropropene	ND		ug/kg	3.9	1
Bromoform	ND		ug/kg	3.1	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.78	1
Benzene	ND		ug/kg	0.78	1
Toluene	ND		ug/kg	1.2	1
Ethylbenzene	ND		ug/kg	0.78	1
Chloromethane	ND		ug/kg	3.9	1
Bromomethane	ND		ug/kg	1.6	1
Vinyl chloride	ND		ug/kg	1.6	1
Chloroethane	ND		ug/kg	1.6	1
1,1-Dichloroethene	ND		ug/kg	0.78	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	1
Trichloroethene	ND		ug/kg	0.78	1
1,2-Dichlorobenzene	ND		ug/kg	3.9	1
1,3-Dichlorobenzene	ND		ug/kg	3.9	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-04 Date Collected: 06/08/09 13:30

Client ID: B-2 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	3.9	1
Methyl tert butyl ether	ND		ug/kg	1.6	1
p/m-Xylene	ND		ug/kg	1.6	1
o-Xylene	ND		ug/kg	1.6	1
cis-1,2-Dichloroethene	ND		ug/kg	0.78	1
Dibromomethane	ND		ug/kg	7.8	1
1,2,3-Trichloropropane	ND		ug/kg	7.8	1
Styrene	ND		ug/kg	1.6	1
Dichlorodifluoromethane	ND		ug/kg	7.8	1
Acetone	ND		ug/kg	7.8	1
Carbon disulfide	ND		ug/kg	39	1
2-Butanone	ND		ug/kg	7.8	1
4-Methyl-2-pentanone	ND		ug/kg	7.8	1
2-Hexanone	ND		ug/kg	7.8	1
Bromochloromethane	ND		ug/kg	3.9	1
Tetrahydrofuran	ND		ug/kg	16	1
2,2-Dichloropropane	ND		ug/kg	3.9	1
1,2-Dibromoethane	ND		ug/kg	3.1	1
1,3-Dichloropropane	ND		ug/kg	3.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.78	1
Bromobenzene	ND		ug/kg	3.9	1
n-Butylbenzene	ND		ug/kg	0.78	1
sec-Butylbenzene	ND		ug/kg	0.78	1
tert-Butylbenzene	ND		ug/kg	3.9	1
o-Chlorotoluene	ND		ug/kg	3.9	1
p-Chlorotoluene	ND		ug/kg	3.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1
Hexachlorobutadiene	ND		ug/kg	3.9	1
Isopropylbenzene	ND		ug/kg	0.78	1
p-Isopropyltoluene	ND		ug/kg	0.78	1
Naphthalene	ND		ug/kg	3.9	1
n-Propylbenzene	ND		ug/kg	0.78	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.9	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.9	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.9	1
Ethyl ether	ND		ug/kg	3.9	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-04 Date Collected: 06/08/09 13:30

Client ID: B-2 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	3.1	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	3.1	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	3.1	1
1,4-Dioxane	ND		ug/kg	390	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-05
Client ID: B-5 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Analytical Method: 60,8260B
Analytical Date: 06/16/09 17:08
Analyst: BN
Percent Solids: 92%

Date Collected: 06/08/09 15:15
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	10	1
1,1-Dichloroethane	ND		ug/kg	1.6	1
Chloroform	ND		ug/kg	1.6	1
Carbon tetrachloride	ND		ug/kg	1.0	1
1,2-Dichloropropane	ND		ug/kg	3.6	1
Dibromochloromethane	ND		ug/kg	1.0	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	1
Tetrachloroethene	ND		ug/kg	1.0	1
Chlorobenzene	ND		ug/kg	1.0	1
Trichlorofluoromethane	ND		ug/kg	5.2	1
1,2-Dichloroethane	ND		ug/kg	1.0	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	1
Bromodichloromethane	ND		ug/kg	1.0	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	1
1,1-Dichloropropene	ND		ug/kg	5.2	1
Bromoform	ND		ug/kg	4.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	1
Benzene	ND		ug/kg	1.0	1
Toluene	ND		ug/kg	1.6	1
Ethylbenzene	ND		ug/kg	1.0	1
Chloromethane	ND		ug/kg	5.2	1
Bromomethane	ND		ug/kg	2.1	1
Vinyl chloride	ND		ug/kg	2.1	1
Chloroethane	ND		ug/kg	2.1	1
1,1-Dichloroethene	ND		ug/kg	1.0	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	1
Trichloroethene	ND		ug/kg	1.0	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-05 Date Collected: 06/08/09 15:15

Client ID: B-5 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.2	1
Methyl tert butyl ether	ND		ug/kg	2.1	1
p/m-Xylene	ND		ug/kg	2.1	1
o-Xylene	ND		ug/kg	2.1	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1
Dibromomethane	ND		ug/kg	10	1
1,2,3-Trichloropropane	ND		ug/kg	10	1
Styrene	ND		ug/kg	2.1	1
Dichlorodifluoromethane	ND		ug/kg	10	1
Acetone	ND		ug/kg	10	1
Carbon disulfide	ND		ug/kg	52	1
2-Butanone	ND		ug/kg	10	1
4-Methyl-2-pentanone	ND		ug/kg	10	1
2-Hexanone	ND		ug/kg	10	1
Bromochloromethane	ND		ug/kg	5.2	1
Tetrahydrofuran	ND		ug/kg	21	1
2,2-Dichloropropane	ND		ug/kg	5.2	1
1,2-Dibromoethane	ND		ug/kg	4.2	1
1,3-Dichloropropane	ND		ug/kg	5.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	1
Bromobenzene	ND		ug/kg	5.2	1
n-Butylbenzene	ND		ug/kg	1.0	1
sec-Butylbenzene	ND		ug/kg	1.0	1
tert-Butylbenzene	ND		ug/kg	5.2	1
o-Chlorotoluene	ND		ug/kg	5.2	1
p-Chlorotoluene	ND		ug/kg	5.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1
Hexachlorobutadiene	ND		ug/kg	5.2	1
Isopropylbenzene	ND		ug/kg	1.0	1
p-Isopropyltoluene	ND		ug/kg	1.0	1
Naphthalene	ND		ug/kg	5.2	1
n-Propylbenzene	ND		ug/kg	1.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.2	1
Ethyl ether	ND		ug/kg	5.2	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-05 Date Collected: 06/08/09 15:15

Client ID: B-5 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	4.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.2	1
1,4-Dioxane	ND		ug/kg	520	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	94		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-06
Client ID: B-5 (6-10')
Sample Location: HOLBROOK, MA
Matrix: Soil
Analytical Method: 60,8260B
Analytical Date: 06/14/09 20:23
Analyst: BN
Percent Solids: 92%

Date Collected: 06/09/09 08:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab					
Methylene chloride	ND		ug/kg	590	1
1,1-Dichloroethane	ND		ug/kg	89	1
Chloroform	ND		ug/kg	89	1
Carbon tetrachloride	ND		ug/kg	59	1
1,2-Dichloropropane	ND		ug/kg	210	1
Dibromochloromethane	ND		ug/kg	59	1
1,1,2-Trichloroethane	ND		ug/kg	89	1
Tetrachloroethene	ND		ug/kg	59	1
Chlorobenzene	ND		ug/kg	59	1
Trichlorofluoromethane	ND		ug/kg	300	1
1,2-Dichloroethane	ND		ug/kg	59	1
1,1,1-Trichloroethane	ND		ug/kg	59	1
Bromodichloromethane	ND		ug/kg	59	1
trans-1,3-Dichloropropene	ND		ug/kg	59	1
cis-1,3-Dichloropropene	ND		ug/kg	59	1
1,1-Dichloropropene	ND		ug/kg	300	1
Bromoform	ND		ug/kg	240	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	1
Benzene	ND		ug/kg	59	1
Toluene	ND		ug/kg	89	1
Ethylbenzene	ND		ug/kg	59	1
Chloromethane	ND		ug/kg	300	1
Bromomethane	ND		ug/kg	120	1
Vinyl chloride	ND		ug/kg	120	1
Chloroethane	ND		ug/kg	120	1
1,1-Dichloroethene	ND		ug/kg	59	1
trans-1,2-Dichloroethene	ND		ug/kg	89	1
Trichloroethene	ND		ug/kg	59	1
1,2-Dichlorobenzene	ND		ug/kg	300	1
1,3-Dichlorobenzene	ND		ug/kg	300	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-06 Date Collected: 06/09/09 08:30

Client ID: B-5 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	300	1
Methyl tert butyl ether	ND		ug/kg	120	1
p/m-Xylene	ND		ug/kg	120	1
o-Xylene	ND		ug/kg	120	1
cis-1,2-Dichloroethene	ND		ug/kg	59	1
Dibromomethane	ND		ug/kg	590	1
1,2,3-Trichloropropane	ND		ug/kg	590	1
Styrene	ND		ug/kg	120	1
Dichlorodifluoromethane	ND		ug/kg	590	1
Acetone	ND		ug/kg	590	1
Carbon disulfide	ND		ug/kg	3000	1
2-Butanone	ND		ug/kg	590	1
4-Methyl-2-pentanone	ND		ug/kg	590	1
2-Hexanone	ND		ug/kg	590	1
Bromochloromethane	ND		ug/kg	300	1
Tetrahydrofuran	ND		ug/kg	1200	1
2,2-Dichloropropane	ND		ug/kg	300	1
1,2-Dibromoethane	ND		ug/kg	240	1
1,3-Dichloropropane	ND		ug/kg	300	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	1
Bromobenzene	ND		ug/kg	300	1
n-Butylbenzene	ND		ug/kg	59	1
sec-Butylbenzene	ND		ug/kg	59	1
tert-Butylbenzene	ND		ug/kg	300	1
o-Chlorotoluene	ND		ug/kg	300	1
p-Chlorotoluene	ND		ug/kg	300	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	300	1
Hexachlorobutadiene	ND		ug/kg	300	1
Isopropylbenzene	ND		ug/kg	59	1
p-Isopropyltoluene	ND		ug/kg	59	1
Naphthalene	ND		ug/kg	300	1
n-Propylbenzene	ND		ug/kg	59	1
1,2,3-Trichlorobenzene	ND		ug/kg	300	1
1,2,4-Trichlorobenzene	ND		ug/kg	300	1
1,3,5-Trimethylbenzene	ND		ug/kg	300	1
1,2,4-Trimethylbenzene	ND		ug/kg	300	1
Ethyl ether	ND		ug/kg	300	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-06 Date Collected: 06/09/09 08:30

Client ID: B-5 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 5035 High - Westborough Lab					
Isopropyl Ether	ND		ug/kg	240	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	240	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	240	1
1,4-Dioxane	ND		ug/kg	30000	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	112		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	86		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-08
Client ID: SAB-3B (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Analytical Method: 60,8260B
Analytical Date: 06/16/09 17:44
Analyst: BN
Percent Solids: 93%

Date Collected: 06/11/09 00:00
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	11	1
1,1-Dichloroethane	ND		ug/kg	1.7	1
Chloroform	ND		ug/kg	1.7	1
Carbon tetrachloride	ND		ug/kg	1.1	1
1,2-Dichloropropane	ND		ug/kg	4.0	1
Dibromochloromethane	ND		ug/kg	1.1	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	1
Tetrachloroethene	ND		ug/kg	1.1	1
Chlorobenzene	ND		ug/kg	1.1	1
Trichlorofluoromethane	ND		ug/kg	5.7	1
1,2-Dichloroethane	ND		ug/kg	1.1	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	1
Bromodichloromethane	ND		ug/kg	1.1	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	1
1,1-Dichloropropene	ND		ug/kg	5.7	1
Bromoform	ND		ug/kg	4.6	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	1
Benzene	ND		ug/kg	1.1	1
Toluene	ND		ug/kg	1.7	1
Ethylbenzene	ND		ug/kg	1.1	1
Chloromethane	ND		ug/kg	5.7	1
Bromomethane	ND		ug/kg	2.3	1
Vinyl chloride	ND		ug/kg	2.3	1
Chloroethane	ND		ug/kg	2.3	1
1,1-Dichloroethene	ND		ug/kg	1.1	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	1
Trichloroethene	ND		ug/kg	1.1	1
1,2-Dichlorobenzene	ND		ug/kg	5.7	1
1,3-Dichlorobenzene	ND		ug/kg	5.7	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-08 Date Collected: 06/11/09 00:00

Client ID: SAB-3B (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	5.7	1
Methyl tert butyl ether	ND		ug/kg	2.3	1
p/m-Xylene	ND		ug/kg	2.3	1
o-Xylene	ND		ug/kg	2.3	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	1
Dibromomethane	ND		ug/kg	11	1
1,2,3-Trichloropropane	ND		ug/kg	11	1
Styrene	ND		ug/kg	2.3	1
Dichlorodifluoromethane	ND		ug/kg	11	1
Acetone	ND		ug/kg	11	1
Carbon disulfide	ND		ug/kg	57	1
2-Butanone	ND		ug/kg	11	1
4-Methyl-2-pentanone	ND		ug/kg	11	1
2-Hexanone	ND		ug/kg	11	1
Bromochloromethane	ND		ug/kg	5.7	1
Tetrahydrofuran	ND		ug/kg	23	1
2,2-Dichloropropane	ND		ug/kg	5.7	1
1,2-Dibromoethane	ND		ug/kg	4.6	1
1,3-Dichloropropane	ND		ug/kg	5.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	1
Bromobenzene	ND		ug/kg	5.7	1
n-Butylbenzene	ND		ug/kg	1.1	1
sec-Butylbenzene	ND		ug/kg	1.1	1
tert-Butylbenzene	ND		ug/kg	5.7	1
o-Chlorotoluene	ND		ug/kg	5.7	1
p-Chlorotoluene	ND		ug/kg	5.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.7	1
Hexachlorobutadiene	ND		ug/kg	5.7	1
Isopropylbenzene	ND		ug/kg	1.1	1
p-Isopropyltoluene	ND		ug/kg	1.1	1
Naphthalene	ND		ug/kg	5.7	1
n-Propylbenzene	ND		ug/kg	1.1	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.7	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.7	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.7	1
Ethyl ether	ND		ug/kg	5.7	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-08 Date Collected: 06/11/09 00:00

Client ID: SAB-3B (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	4.6	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.6	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.6	1
1,4-Dioxane	ND		ug/kg	570	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	98		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09
Client ID: B-1 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Analytical Method: 60,8260B
Analytical Date: 06/16/09 18:20
Analyst: BN
Percent Solids: 96%

Date Collected: 06/11/09 11:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	18	1
1,1-Dichloroethane	ND		ug/kg	2.7	1
Chloroform	ND		ug/kg	2.7	1
Carbon tetrachloride	ND		ug/kg	1.8	1
1,2-Dichloropropane	ND		ug/kg	6.3	1
Dibromochloromethane	ND		ug/kg	1.8	1
1,1,2-Trichloroethane	ND		ug/kg	2.7	1
Tetrachloroethene	ND		ug/kg	1.8	1
Chlorobenzene	ND		ug/kg	1.8	1
Trichlorofluoromethane	ND		ug/kg	9.0	1
1,2-Dichloroethane	ND		ug/kg	1.8	1
1,1,1-Trichloroethane	ND		ug/kg	1.8	1
Bromodichloromethane	ND		ug/kg	1.8	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	1
cis-1,3-Dichloropropene	ND		ug/kg	1.8	1
1,1-Dichloropropene	ND		ug/kg	9.0	1
Bromoform	ND		ug/kg	7.2	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.8	1
Benzene	ND		ug/kg	1.8	1
Toluene	ND		ug/kg	2.7	1
Ethylbenzene	ND		ug/kg	1.8	1
Chloromethane	ND		ug/kg	9.0	1
Bromomethane	ND		ug/kg	3.6	1
Vinyl chloride	ND		ug/kg	3.6	1
Chloroethane	ND		ug/kg	3.6	1
1,1-Dichloroethene	ND		ug/kg	1.8	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	1
Trichloroethene	ND		ug/kg	1.8	1
1,2-Dichlorobenzene	ND		ug/kg	9.0	1
1,3-Dichlorobenzene	ND		ug/kg	9.0	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09 Date Collected: 06/11/09 11:30

Client ID: B-1 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	9.0	1
Methyl tert butyl ether	ND		ug/kg	3.6	1
p/m-Xylene	ND		ug/kg	3.6	1
o-Xylene	ND		ug/kg	3.6	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	1
Dibromomethane	ND		ug/kg	18	1
1,2,3-Trichloropropane	ND		ug/kg	18	1
Styrene	ND		ug/kg	3.6	1
Dichlorodifluoromethane	ND		ug/kg	18	1
Acetone	ND		ug/kg	18	1
Carbon disulfide	ND		ug/kg	90	1
2-Butanone	ND		ug/kg	18	1
4-Methyl-2-pentanone	ND		ug/kg	18	1
2-Hexanone	ND		ug/kg	18	1
Bromochloromethane	ND		ug/kg	9.0	1
Tetrahydrofuran	ND		ug/kg	36	1
2,2-Dichloropropane	ND		ug/kg	9.0	1
1,2-Dibromoethane	ND		ug/kg	7.2	1
1,3-Dichloropropane	ND		ug/kg	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.8	1
Bromobenzene	ND		ug/kg	9.0	1
n-Butylbenzene	ND		ug/kg	1.8	1
sec-Butylbenzene	ND		ug/kg	1.8	1
tert-Butylbenzene	ND		ug/kg	9.0	1
o-Chlorotoluene	ND		ug/kg	9.0	1
p-Chlorotoluene	ND		ug/kg	9.0	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	9.0	1
Hexachlorobutadiene	ND		ug/kg	9.0	1
Isopropylbenzene	ND		ug/kg	1.8	1
p-Isopropyltoluene	ND		ug/kg	1.8	1
Naphthalene	ND		ug/kg	9.0	1
n-Propylbenzene	ND		ug/kg	1.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	9.0	1
1,2,4-Trichlorobenzene	ND		ug/kg	9.0	1
1,3,5-Trimethylbenzene	ND		ug/kg	9.0	1
1,2,4-Trimethylbenzene	ND		ug/kg	9.0	1
Ethyl ether	ND		ug/kg	9.0	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09 Date Collected: 06/11/09 11:30

Client ID: B-1 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	7.2	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	7.2	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	7.2	1
1,4-Dioxane	ND		ug/kg	900	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-10	Date Collected:	06/11/09 14:30
Client ID:	SAB-2 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil		
Analytical Method:	60,8260B		
Analytical Date:	06/16/09 18:56		
Analyst:	BN		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Methylene chloride	ND		ug/kg	12	1
1,1-Dichloroethane	ND		ug/kg	1.9	1
Chloroform	ND		ug/kg	1.9	1
Carbon tetrachloride	ND		ug/kg	1.2	1
1,2-Dichloropropane	ND		ug/kg	4.4	1
Dibromochloromethane	ND		ug/kg	1.2	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	1
Tetrachloroethene	ND		ug/kg	1.2	1
Chlorobenzene	ND		ug/kg	1.2	1
Trichlorofluoromethane	ND		ug/kg	6.2	1
1,2-Dichloroethane	ND		ug/kg	1.2	1
1,1,1-Trichloroethane	ND		ug/kg	1.2	1
Bromodichloromethane	ND		ug/kg	1.2	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	1
cis-1,3-Dichloropropene	ND		ug/kg	1.2	1
1,1-Dichloropropene	ND		ug/kg	6.2	1
Bromoform	ND		ug/kg	5.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	1
Benzene	ND		ug/kg	1.2	1
Toluene	ND		ug/kg	1.9	1
Ethylbenzene	ND		ug/kg	1.2	1
Chloromethane	ND		ug/kg	6.2	1
Bromomethane	ND		ug/kg	2.5	1
Vinyl chloride	ND		ug/kg	2.5	1
Chloroethane	ND		ug/kg	2.5	1
1,1-Dichloroethene	ND		ug/kg	1.2	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	1
Trichloroethene	ND		ug/kg	1.2	1
1,2-Dichlorobenzene	ND		ug/kg	6.2	1
1,3-Dichlorobenzene	ND		ug/kg	6.2	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-10 Date Collected: 06/11/09 14:30

Client ID: SAB-2 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	6.2	1
Methyl tert butyl ether	ND		ug/kg	2.5	1
p/m-Xylene	ND		ug/kg	2.5	1
o-Xylene	ND		ug/kg	2.5	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	1
Dibromomethane	ND		ug/kg	12	1
1,2,3-Trichloropropane	ND		ug/kg	12	1
Styrene	ND		ug/kg	2.5	1
Dichlorodifluoromethane	ND		ug/kg	12	1
Acetone	67		ug/kg	12	1
Carbon disulfide	ND		ug/kg	62	1
2-Butanone	ND		ug/kg	12	1
4-Methyl-2-pentanone	ND		ug/kg	12	1
2-Hexanone	ND		ug/kg	12	1
Bromochloromethane	ND		ug/kg	6.2	1
Tetrahydrofuran	ND		ug/kg	25	1
2,2-Dichloropropane	ND		ug/kg	6.2	1
1,2-Dibromoethane	ND		ug/kg	5.0	1
1,3-Dichloropropane	ND		ug/kg	6.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	1
Bromobenzene	ND		ug/kg	6.2	1
n-Butylbenzene	ND		ug/kg	1.2	1
sec-Butylbenzene	ND		ug/kg	1.2	1
tert-Butylbenzene	ND		ug/kg	6.2	1
o-Chlorotoluene	ND		ug/kg	6.2	1
p-Chlorotoluene	ND		ug/kg	6.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.2	1
Hexachlorobutadiene	ND		ug/kg	6.2	1
Isopropylbenzene	ND		ug/kg	1.2	1
p-Isopropyltoluene	ND		ug/kg	1.2	1
Naphthalene	ND		ug/kg	6.2	1
n-Propylbenzene	ND		ug/kg	1.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.2	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.2	1
Ethyl ether	ND		ug/kg	6.2	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-10 Date Collected: 06/11/09 14:30

Client ID: SAB-2 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Volatile Organics by 8260B/5035 - Westborough Lab					
Isopropyl Ether	ND		ug/kg	5.0	1
Ethyl-Tert-Butyl-Ether	ND		ug/kg	5.0	1
Tertiary-Amyl Methyl Ether	ND		ug/kg	5.0	1
1,4-Dioxane	ND		ug/kg	620	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	93		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/14/09 10:24
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG366791-3				
Methylene chloride	ND		ug/kg	500
1,1-Dichloroethane	ND		ug/kg	75
Chloroform	ND		ug/kg	75
Carbon tetrachloride	ND		ug/kg	50
1,2-Dichloropropane	ND		ug/kg	180
Dibromochloromethane	ND		ug/kg	50
1,1,2-Trichloroethane	ND		ug/kg	75
Tetrachloroethene	ND		ug/kg	50
Chlorobenzene	ND		ug/kg	50
Trichlorofluoromethane	ND		ug/kg	250
1,2-Dichloroethane	ND		ug/kg	50
1,1,1-Trichloroethane	ND		ug/kg	50
Bromodichloromethane	ND		ug/kg	50
trans-1,3-Dichloropropene	ND		ug/kg	50
cis-1,3-Dichloropropene	ND		ug/kg	50
1,1-Dichloropropene	ND		ug/kg	250
Bromoform	ND		ug/kg	200
1,1,2,2-Tetrachloroethane	ND		ug/kg	50
Benzene	ND		ug/kg	50
Toluene	ND		ug/kg	75
Ethylbenzene	ND		ug/kg	50
Chloromethane	ND		ug/kg	250
Bromomethane	ND		ug/kg	100
Vinyl chloride	ND		ug/kg	100
Chloroethane	ND		ug/kg	100
1,1-Dichloroethene	ND		ug/kg	50
trans-1,2-Dichloroethene	ND		ug/kg	75
Trichloroethene	ND		ug/kg	50
1,2-Dichlorobenzene	ND		ug/kg	250
1,3-Dichlorobenzene	ND		ug/kg	250
1,4-Dichlorobenzene	ND		ug/kg	250

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/14/09 10:24
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG366791-3				
Methyl tert butyl ether	ND		ug/kg	100
p/m-Xylene	ND		ug/kg	100
o-Xylene	ND		ug/kg	100
cis-1,2-Dichloroethene	ND		ug/kg	50
Dibromomethane	ND		ug/kg	500
1,2,3-Trichloropropane	ND		ug/kg	500
Styrene	ND		ug/kg	100
Dichlorodifluoromethane	ND		ug/kg	500
Acetone	ND		ug/kg	500
Carbon disulfide	ND		ug/kg	2500
2-Butanone	ND		ug/kg	500
4-Methyl-2-pentanone	ND		ug/kg	500
2-Hexanone	ND		ug/kg	500
Bromochloromethane	ND		ug/kg	250
Tetrahydrofuran	ND		ug/kg	1000
2,2-Dichloropropane	ND		ug/kg	250
1,2-Dibromoethane	ND		ug/kg	200
1,3-Dichloropropane	ND		ug/kg	250
1,1,1,2-Tetrachloroethane	ND		ug/kg	50
Bromobenzene	ND		ug/kg	250
n-Butylbenzene	ND		ug/kg	50
sec-Butylbenzene	ND		ug/kg	50
tert-Butylbenzene	ND		ug/kg	250
o-Chlorotoluene	ND		ug/kg	250
p-Chlorotoluene	ND		ug/kg	250
1,2-Dibromo-3-chloropropane	ND		ug/kg	250
Hexachlorobutadiene	ND		ug/kg	250
Isopropylbenzene	ND		ug/kg	50
p-Isopropyltoluene	ND		ug/kg	50
Naphthalene	ND		ug/kg	250
n-Propylbenzene	ND		ug/kg	50

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/14/09 10:24
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 5035 High - Westborough Lab for sample(s): 06 Batch: WG366791-3				
1,2,3-Trichlorobenzene	ND		ug/kg	250
1,2,4-Trichlorobenzene	ND		ug/kg	250
1,3,5-Trimethylbenzene	ND		ug/kg	250
1,2,4-Trimethylbenzene	ND		ug/kg	250
Ethyl ether	ND		ug/kg	250
Isopropyl Ether	ND		ug/kg	200
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200
Tertiary-Amyl Methyl Ether	ND		ug/kg	200
1,4-Dioxane	ND		ug/kg	25000

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	90		70-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/16/09 15:22
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03-05,08-10 Batch: WG367158-3				
Methylene chloride	ND		ug/kg	10
1,1-Dichloroethane	ND		ug/kg	1.5
Chloroform	ND		ug/kg	1.5
Carbon tetrachloride	ND		ug/kg	1.0
1,2-Dichloropropane	ND		ug/kg	3.5
Dibromochloromethane	ND		ug/kg	1.0
1,1,2-Trichloroethane	ND		ug/kg	1.5
Tetrachloroethene	ND		ug/kg	1.0
Chlorobenzene	ND		ug/kg	1.0
Trichlorofluoromethane	ND		ug/kg	5.0
1,2-Dichloroethane	ND		ug/kg	1.0
1,1,1-Trichloroethane	ND		ug/kg	1.0
Bromodichloromethane	ND		ug/kg	1.0
trans-1,3-Dichloropropene	ND		ug/kg	1.0
cis-1,3-Dichloropropene	ND		ug/kg	1.0
1,1-Dichloropropene	ND		ug/kg	5.0
Bromoform	ND		ug/kg	4.0
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0
Benzene	ND		ug/kg	1.0
Toluene	ND		ug/kg	1.5
Ethylbenzene	ND		ug/kg	1.0
Chloromethane	ND		ug/kg	5.0
Bromomethane	ND		ug/kg	2.0
Vinyl chloride	ND		ug/kg	2.0
Chloroethane	ND		ug/kg	2.0
1,1-Dichloroethene	ND		ug/kg	1.0
trans-1,2-Dichloroethene	ND		ug/kg	1.5
Trichloroethene	ND		ug/kg	1.0
1,2-Dichlorobenzene	ND		ug/kg	5.0
1,3-Dichlorobenzene	ND		ug/kg	5.0

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/16/09 15:22
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03-05,08-10 Batch: WG367158-3				
1,4-Dichlorobenzene	ND		ug/kg	5.0
Methyl tert butyl ether	ND		ug/kg	2.0
p/m-Xylene	ND		ug/kg	2.0
o-Xylene	ND		ug/kg	2.0
cis-1,2-Dichloroethene	ND		ug/kg	1.0
Dibromomethane	ND		ug/kg	10
1,2,3-Trichloropropane	ND		ug/kg	10
Styrene	ND		ug/kg	2.0
Dichlorodifluoromethane	ND		ug/kg	10
Acetone	ND		ug/kg	10
Carbon disulfide	ND		ug/kg	50
2-Butanone	ND		ug/kg	10
4-Methyl-2-pentanone	ND		ug/kg	10
2-Hexanone	ND		ug/kg	10
Bromochloromethane	ND		ug/kg	5.0
Tetrahydrofuran	ND		ug/kg	20
2,2-Dichloropropane	ND		ug/kg	5.0
1,2-Dibromoethane	ND		ug/kg	4.0
1,3-Dichloropropane	ND		ug/kg	5.0
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0
Bromobenzene	ND		ug/kg	5.0
n-Butylbenzene	ND		ug/kg	1.0
sec-Butylbenzene	ND		ug/kg	1.0
tert-Butylbenzene	ND		ug/kg	5.0
o-Chlorotoluene	ND		ug/kg	5.0
p-Chlorotoluene	ND		ug/kg	5.0
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0
Hexachlorobutadiene	ND		ug/kg	5.0
Isopropylbenzene	ND		ug/kg	1.0
p-Isopropyltoluene	ND		ug/kg	1.0

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 60,8260B
Analytical Date: 06/16/09 15:22
Analyst: BN

Parameter	Result	Qualifier	Units	RDL
MCP Volatile Organics by 8260B/5035 - Westborough Lab for sample(s): 03-05,08-10 Batch: WG367158-3				
Naphthalene	ND		ug/kg	5.0
n-Propylbenzene	ND		ug/kg	1.0
1,2,3-Trichlorobenzene	ND		ug/kg	5.0
1,2,4-Trichlorobenzene	ND		ug/kg	5.0
1,3,5-Trimethylbenzene	ND		ug/kg	5.0
1,2,4-Trimethylbenzene	ND		ug/kg	5.0
Ethyl ether	ND		ug/kg	5.0
Isopropyl Ether	ND		ug/kg	4.0
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0
1,4-Dioxane	ND		ug/kg	500

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG366791-1 WG366791-2					
Methylene chloride	76	76	70-130	0	25
1,1-Dichloroethane	86	89	70-130	3	25
Chloroform	87	88	70-130	1	25
Carbon tetrachloride	88	88	70-130	0	25
1,2-Dichloropropane	89	92	70-130	3	25
Dibromochloromethane	105	104	70-130	1	25
1,1,2-Trichloroethane	102	105	70-130	3	25
Tetrachloroethene	115	110	70-130	4	25
Chlorobenzene	108	108	70-130	0	25
Trichlorofluoromethane	86	88	70-130	2	25
1,2-Dichloroethane	89	96	70-130	8	25
1,1,1-Trichloroethane	91	89	70-130	2	25
Bromodichloromethane	92	93	70-130	1	25
trans-1,3-Dichloropropene	109	108	70-130	1	25
cis-1,3-Dichloropropene	79	80	70-130	1	25
1,1-Dichloropropene	90	89	70-130	1	25
Bromoform	118	120	70-130	2	50
1,1,2,2-Tetrachloroethane	112	107	70-130	5	25
Benzene	84	87	70-130	4	25
Toluene	103	102	70-130	1	25
Ethylbenzene	111	109	70-130	2	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG366791-1 WG366791-2					
Chloromethane	72	71	70-130	1	50
Bromomethane	121	111	70-130	9	50
Vinyl chloride	82	84	70-130	2	25
Chloroethane	89	89	70-130	0	25
1,1-Dichloroethene	80	78	70-130	3	25
trans-1,2-Dichloroethene	84	84	70-130	0	25
Trichloroethene	77	78	70-130	1	25
1,2-Dichlorobenzene	117	117	70-130	0	25
1,3-Dichlorobenzene	116	118	70-130	2	25
1,4-Dichlorobenzene	118	119	70-130	1	25
Methyl tert butyl ether	82	83	70-130	1	25
p/m-Xylene	115	113	70-130	2	25
o-Xylene	109	107	70-130	2	25
cis-1,2-Dichloroethene	86	88	70-130	2	25
Dibromomethane	85	86	70-130	1	25
1,2,3-Trichloropropane	119	122	70-130	2	25
Styrene	111	109	70-130	2	25
Dichlorodifluoromethane	**63**	**63**	70-130	0	50
Acetone	72	**56**	70-130	25	50
Carbon disulfide	**55**	**56**	70-130	2	50
2-Butanone	116	111	70-130	4	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG366791-1 WG366791-2					
4-Methyl-2-pentanone	90	88	70-130	2	50
2-Hexanone	104	98	70-130	6	50
Bromochloromethane	87	88	70-130	1	25
Tetrahydrofuran	88	85	70-130	3	25
2,2-Dichloropropane	96	99	70-130	3	50
1,2-Dibromoethane	107	103	70-130	4	25
1,3-Dichloropropane	108	104	70-130	4	25
1,1,1,2-Tetrachloroethane	113	109	70-130	4	25
Bromobenzene	120	116	70-130	3	25
n-Butylbenzene	115	113	70-130	2	25
sec-Butylbenzene	115	115	70-130	0	25
tert-Butylbenzene	117	118	70-130	1	25
o-Chlorotoluene	112	113	70-130	1	25
p-Chlorotoluene	114	112	70-130	2	25
1,2-Dibromo-3-chloropropane	111	100	70-130	10	50
Hexachlorobutadiene	117	119	70-130	2	25
Isopropylbenzene	118	118	70-130	0	25
p-Isopropyltoluene	124	122	70-130	2	25
Naphthalene	97	95	70-130	2	25
n-Propylbenzene	114	114	70-130	0	25
1,2,3-Trichlorobenzene	112	112	70-130	0	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 5035 High - Westborough Lab Associated sample(s): 06 Batch: WG366791-1 WG366791-2					
1,2,4-Trichlorobenzene	115	113	70-130	2	25
1,3,5-Trimethylbenzene	117	118	70-130	1	25
1,2,4-Trimethylbenzene	116	118	70-130	2	25
Ethyl ether	73	71	70-130	3	25
Isopropyl Ether	84	81	70-130	4	25
Ethyl-Tert-Butyl-Ether	84	85	70-130	1	25
Tertiary-Amyl Methyl Ether	80	80	70-130	0	25
1,4-Dioxane	84	77	70-130	9	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		94		70-130
Toluene-d8	114		110		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	90		87		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03-05,08-10 Batch: WG367158-1 WG367158-2					
Methylene chloride	82	82	70-130	0	25
1,1-Dichloroethane	94	91	70-130	3	25
Chloroform	90	89	70-130	1	25
Carbon tetrachloride	90	89	70-130	1	25
1,2-Dichloropropane	95	93	70-130	2	25
Dibromochloromethane	100	99	70-130	1	25
1,1,2-Trichloroethane	99	100	70-130	1	25
Tetrachloroethene	107	104	70-130	3	25
Chlorobenzene	102	103	70-130	1	25
Trichlorofluoromethane	92	90	70-130	2	25
1,2-Dichloroethane	96	93	70-130	3	25
1,1,1-Trichloroethane	91	90	70-130	1	25
Bromodichloromethane	95	94	70-130	1	25
trans-1,3-Dichloropropene	103	101	70-130	2	25
cis-1,3-Dichloropropene	80	78	70-130	3	25
1,1-Dichloropropene	91	90	70-130	1	25
Bromoform	109	106	70-130	3	50
1,1,2,2-Tetrachloroethane	105	97	70-130	8	25
Benzene	88	89	70-130	1	25
Toluene	96	97	70-130	1	25
Ethylbenzene	105	102	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03-05,08-10 Batch: WG367158-1 WG367158-2					
Chloromethane	77	76	70-130	1	50
Bromomethane	127	118	70-130	7	50
Vinyl chloride	89	86	70-130	3	25
Chloroethane	93	92	70-130	1	25
1,1-Dichloroethene	80	78	70-130	3	25
trans-1,2-Dichloroethene	91	88	70-130	3	25
Trichloroethene	77	78	70-130	1	25
1,2-Dichlorobenzene	108	108	70-130	0	25
1,3-Dichlorobenzene	110	110	70-130	0	25
1,4-Dichlorobenzene	111	112	70-130	1	25
Methyl tert butyl ether	103	97	70-130	6	25
p/m-Xylene	108	108	70-130	0	25
o-Xylene	112	108	70-130	4	25
cis-1,2-Dichloroethene	92	90	70-130	2	25
Dibromomethane	91	88	70-130	3	25
1,2,3-Trichloropropane	116	110	70-130	5	25
Styrene	113	111	70-130	2	25
Dichlorodifluoromethane	71	**68**	70-130	4	50
Acetone	80	88	70-130	10	50
Carbon disulfide	82	80	70-130	2	50
2-Butanone	**136**	128	70-130	6	50

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03-05,08-10 Batch: WG367158-1 WG367158-2					
4-Methyl-2-pentanone	106	92	70-130	14	50
2-Hexanone	114	99	70-130	14	50
Bromochloromethane	94	89	70-130	5	25
Tetrahydrofuran	115	98	70-130	16	25
2,2-Dichloropropane	97	96	70-130	1	50
1,2-Dibromoethane	106	96	70-130	10	25
1,3-Dichloropropane	104	100	70-130	4	25
1,1,1,2-Tetrachloroethane	103	102	70-130	1	25
Bromobenzene	108	109	70-130	1	25
n-Butylbenzene	104	106	70-130	2	25
sec-Butylbenzene	104	106	70-130	2	25
tert-Butylbenzene	104	109	70-130	5	25
o-Chlorotoluene	103	103	70-130	0	25
p-Chlorotoluene	103	106	70-130	3	25
1,2-Dibromo-3-chloropropane	94	94	70-130	0	50
Hexachlorobutadiene	110	111	70-130	1	25
Isopropylbenzene	107	106	70-130	1	25
p-Isopropyltoluene	111	113	70-130	2	25
Naphthalene	88	87	70-130	1	25
n-Propylbenzene	102	103	70-130	1	25
1,2,3-Trichlorobenzene	103	106	70-130	3	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Volatile Organics by 8260B/5035 - Westborough Lab Associated sample(s): 03-05,08-10 Batch: WG367158-1 WG367158-2					
1,2,4-Trichlorobenzene	104	106	70-130	2	25
1,3,5-Trimethylbenzene	108	110	70-130	2	25
1,2,4-Trimethylbenzene	106	107	70-130	1	25
Ethyl ether	100	95	70-130	5	25
Isopropyl Ether	98	95	70-130	3	25
Ethyl-Tert-Butyl-Ether	102	98	70-130	4	25
Tertiary-Amyl Methyl Ether	96	91	70-130	5	25
1,4-Dioxane	101	95	70-130	6	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	111		109		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	94		91		70-130

SEMIVOLATILES

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-01	Date Collected:	06/08/09 09:00
Client ID:	B-4 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/26/09 10:02		
Analyst:	AK		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	360	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Hexachlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
2-Chloronaphthalene	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
Azobenzene	ND		ug/kg	360	1
Fluoranthene	560		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorobutadiene	ND		ug/kg	720	1
Hexachloroethane	ND		ug/kg	360	1
Isophorone	ND		ug/kg	360	1
Naphthalene	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Benzo(a)anthracene	ND		ug/kg	360	1
Benzo(a)pyrene	ND		ug/kg	360	1
Benzo(b)fluoranthene	420		ug/kg	360	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-01 Date Collected: 06/08/09 09:00

Client ID: B-4 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	360	1
Chrysene	ND		ug/kg	360	1
Acenaphthylene	ND		ug/kg	360	1
Anthracene	ND		ug/kg	360	1
Benzo(ghi)perylene	ND		ug/kg	360	1
Fluorene	ND		ug/kg	360	1
Phenanthrene	ND		ug/kg	360	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	1
Pyrene	500		ug/kg	360	1
Aniline	ND		ug/kg	720	1
4-Chloroaniline	ND		ug/kg	360	1
Dibenzofuran	ND		ug/kg	360	1
2-Methylnaphthalene	ND		ug/kg	360	1
Acetophenone	ND		ug/kg	1400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		30-130
2-Fluorobiphenyl	84		30-130
4-Terphenyl-d14	95		30-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-02	Date Collected:	06/08/09 09:45
Client ID:	B-4 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/18/09 03:26		
Analyst:	AK		
Percent Solids:	88%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	380	1
1,2,4-Trichlorobenzene	ND		ug/kg	380	1
Hexachlorobenzene	ND		ug/kg	380	1
Bis(2-chloroethyl)ether	ND		ug/kg	380	1
2-Chloronaphthalene	ND		ug/kg	380	1
1,2-Dichlorobenzene	ND		ug/kg	380	1
1,3-Dichlorobenzene	ND		ug/kg	380	1
1,4-Dichlorobenzene	ND		ug/kg	380	1
3,3'-Dichlorobenzidine	ND		ug/kg	760	1
2,4-Dinitrotoluene	ND		ug/kg	380	1
2,6-Dinitrotoluene	ND		ug/kg	380	1
Azobenzene	ND		ug/kg	380	1
Fluoranthene	ND		ug/kg	380	1
4-Bromophenyl phenyl ether	ND		ug/kg	380	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	380	1
Bis(2-chloroethoxy)methane	ND		ug/kg	380	1
Hexachlorobutadiene	ND		ug/kg	760	1
Hexachloroethane	ND		ug/kg	380	1
Isophorone	ND		ug/kg	380	1
Naphthalene	ND		ug/kg	380	1
Nitrobenzene	ND		ug/kg	380	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	760	1
Butyl benzyl phthalate	ND		ug/kg	380	1
Di-n-butylphthalate	ND		ug/kg	380	1
Di-n-octylphthalate	ND		ug/kg	380	1
Diethyl phthalate	ND		ug/kg	380	1
Dimethyl phthalate	ND		ug/kg	380	1
Benzo(a)anthracene	ND		ug/kg	380	1
Benzo(a)pyrene	ND		ug/kg	380	1
Benzo(b)fluoranthene	ND		ug/kg	380	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-02 Date Collected: 06/08/09 09:45

Client ID: B-4 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	380	1
Chrysene	ND		ug/kg	380	1
Acenaphthylene	ND		ug/kg	380	1
Anthracene	ND		ug/kg	380	1
Benzo(ghi)perylene	ND		ug/kg	380	1
Fluorene	ND		ug/kg	380	1
Phenanthrene	ND		ug/kg	380	1
Dibenzo(a,h)anthracene	ND		ug/kg	380	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	380	1
Pyrene	ND		ug/kg	380	1
Aniline	ND		ug/kg	760	1
4-Chloroaniline	ND		ug/kg	380	1
Dibenzofuran	ND		ug/kg	380	1
2-Methylnaphthalene	ND		ug/kg	380	1
Acetophenone	ND		ug/kg	1500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	65		30-130
2-Fluorobiphenyl	63		30-130
4-Terphenyl-d14	71		30-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-05	Date Collected:	06/08/09 15:15
Client ID:	B-5 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/26/09 10:27		
Analyst:	AK		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	360	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Hexachlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
2-Chloronaphthalene	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
Azobenzene	ND		ug/kg	360	1
Fluoranthene	ND		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorobutadiene	ND		ug/kg	720	1
Hexachloroethane	ND		ug/kg	360	1
Isophorone	ND		ug/kg	360	1
Naphthalene	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	1300		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Benzo(a)anthracene	ND		ug/kg	360	1
Benzo(a)pyrene	ND		ug/kg	360	1
Benzo(b)fluoranthene	ND		ug/kg	360	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-05 Date Collected: 06/08/09 15:15

Client ID: B-5 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	360	1
Chrysene	ND		ug/kg	360	1
Acenaphthylene	ND		ug/kg	360	1
Anthracene	ND		ug/kg	360	1
Benzo(ghi)perylene	ND		ug/kg	360	1
Fluorene	ND		ug/kg	360	1
Phenanthrene	ND		ug/kg	360	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	1
Pyrene	ND		ug/kg	360	1
Aniline	ND		ug/kg	720	1
4-Chloroaniline	ND		ug/kg	360	1
Dibenzofuran	ND		ug/kg	360	1
2-Methylnaphthalene	ND		ug/kg	360	1
Acetophenone	ND		ug/kg	1400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		30-130
2-Fluorobiphenyl	69		30-130
4-Terphenyl-d14	88		30-130

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-06	Date Collected:	06/09/09 08:30
Client ID:	B-5 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/18/09 04:16		
Analyst:	AK		
Percent Solids:	92%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	360	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Hexachlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
2-Chloronaphthalene	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
Azobenzene	ND		ug/kg	360	1
Fluoranthene	ND		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorobutadiene	ND		ug/kg	720	1
Hexachloroethane	ND		ug/kg	360	1
Isophorone	ND		ug/kg	360	1
Naphthalene	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Benzo(a)anthracene	ND		ug/kg	360	1
Benzo(a)pyrene	ND		ug/kg	360	1
Benzo(b)fluoranthene	ND		ug/kg	360	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-06 Date Collected: 06/09/09 08:30

Client ID: B-5 (6-10') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	360	1
Chrysene	ND		ug/kg	360	1
Acenaphthylene	ND		ug/kg	360	1
Anthracene	ND		ug/kg	360	1
Benzo(ghi)perylene	ND		ug/kg	360	1
Fluorene	ND		ug/kg	360	1
Phenanthrene	ND		ug/kg	360	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	1
Pyrene	ND		ug/kg	360	1
Aniline	ND		ug/kg	720	1
4-Chloroaniline	ND		ug/kg	360	1
Dibenzofuran	ND		ug/kg	360	1
2-Methylnaphthalene	ND		ug/kg	360	1
Acetophenone	ND		ug/kg	1400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	51		30-130
2-Fluorobiphenyl	50		30-130
4-Terphenyl-d14	78		30-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-08	Date Collected:	06/11/09 00:00
Client ID:	SAB-3B (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/18/09 04:40		
Analyst:	AK		
Percent Solids:	93%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	360	1
1,2,4-Trichlorobenzene	ND		ug/kg	360	1
Hexachlorobenzene	ND		ug/kg	360	1
Bis(2-chloroethyl)ether	ND		ug/kg	360	1
2-Chloronaphthalene	ND		ug/kg	360	1
1,2-Dichlorobenzene	ND		ug/kg	360	1
1,3-Dichlorobenzene	ND		ug/kg	360	1
1,4-Dichlorobenzene	ND		ug/kg	360	1
3,3'-Dichlorobenzidine	ND		ug/kg	720	1
2,4-Dinitrotoluene	ND		ug/kg	360	1
2,6-Dinitrotoluene	ND		ug/kg	360	1
Azobenzene	ND		ug/kg	360	1
Fluoranthene	ND		ug/kg	360	1
4-Bromophenyl phenyl ether	ND		ug/kg	360	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	360	1
Bis(2-chloroethoxy)methane	ND		ug/kg	360	1
Hexachlorobutadiene	ND		ug/kg	720	1
Hexachloroethane	ND		ug/kg	360	1
Isophorone	ND		ug/kg	360	1
Naphthalene	ND		ug/kg	360	1
Nitrobenzene	ND		ug/kg	360	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	720	1
Butyl benzyl phthalate	ND		ug/kg	360	1
Di-n-butylphthalate	ND		ug/kg	360	1
Di-n-octylphthalate	ND		ug/kg	360	1
Diethyl phthalate	ND		ug/kg	360	1
Dimethyl phthalate	ND		ug/kg	360	1
Benzo(a)anthracene	ND		ug/kg	360	1
Benzo(a)pyrene	ND		ug/kg	360	1
Benzo(b)fluoranthene	ND		ug/kg	360	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-08 Date Collected: 06/11/09 00:00

Client ID: SAB-3B (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	360	1
Chrysene	ND		ug/kg	360	1
Acenaphthylene	ND		ug/kg	360	1
Anthracene	ND		ug/kg	360	1
Benzo(ghi)perylene	ND		ug/kg	360	1
Fluorene	ND		ug/kg	360	1
Phenanthrene	ND		ug/kg	360	1
Dibenzo(a,h)anthracene	ND		ug/kg	360	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	360	1
Pyrene	ND		ug/kg	360	1
Aniline	ND		ug/kg	720	1
4-Chloroaniline	ND		ug/kg	360	1
Dibenzofuran	ND		ug/kg	360	1
2-Methylnaphthalene	ND		ug/kg	360	1
Acetophenone	ND		ug/kg	1400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	63		30-130
2-Fluorobiphenyl	60		30-130
4-Terphenyl-d14	66		30-130

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-09	Date Collected:	06/11/09 11:30
Client ID:	B-1 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/18/09 05:05		
Analyst:	AK		
Percent Solids:	96%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	350	1
1,2,4-Trichlorobenzene	ND		ug/kg	350	1
Hexachlorobenzene	ND		ug/kg	350	1
Bis(2-chloroethyl)ether	ND		ug/kg	350	1
2-Chloronaphthalene	ND		ug/kg	350	1
1,2-Dichlorobenzene	ND		ug/kg	350	1
1,3-Dichlorobenzene	ND		ug/kg	350	1
1,4-Dichlorobenzene	ND		ug/kg	350	1
3,3'-Dichlorobenzidine	ND		ug/kg	690	1
2,4-Dinitrotoluene	ND		ug/kg	350	1
2,6-Dinitrotoluene	ND		ug/kg	350	1
Azobenzene	ND		ug/kg	350	1
Fluoranthene	ND		ug/kg	350	1
4-Bromophenyl phenyl ether	ND		ug/kg	350	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	350	1
Bis(2-chloroethoxy)methane	ND		ug/kg	350	1
Hexachlorobutadiene	ND		ug/kg	690	1
Hexachloroethane	ND		ug/kg	350	1
Isophorone	ND		ug/kg	350	1
Naphthalene	ND		ug/kg	350	1
Nitrobenzene	ND		ug/kg	350	1
Bis(2-Ethylhexyl)phthalate	7500		ug/kg	690	1
Butyl benzyl phthalate	ND		ug/kg	350	1
Di-n-butylphthalate	ND		ug/kg	350	1
Di-n-octylphthalate	ND		ug/kg	350	1
Diethyl phthalate	ND		ug/kg	350	1
Dimethyl phthalate	ND		ug/kg	350	1
Benzo(a)anthracene	ND		ug/kg	350	1
Benzo(a)pyrene	ND		ug/kg	350	1
Benzo(b)fluoranthene	ND		ug/kg	350	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09 Date Collected: 06/11/09 11:30

Client ID: B-1 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	350	1
Chrysene	ND		ug/kg	350	1
Acenaphthylene	ND		ug/kg	350	1
Anthracene	ND		ug/kg	350	1
Benzo(ghi)perylene	ND		ug/kg	350	1
Fluorene	ND		ug/kg	350	1
Phenanthrene	ND		ug/kg	350	1
Dibenzo(a,h)anthracene	ND		ug/kg	350	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	350	1
Pyrene	ND		ug/kg	350	1
Aniline	ND		ug/kg	690	1
4-Chloroaniline	ND		ug/kg	350	1
Dibenzofuran	ND		ug/kg	350	1
2-Methylnaphthalene	ND		ug/kg	350	1
Acetophenone	ND		ug/kg	1400	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	66		30-130
2-Fluorobiphenyl	62		30-130
4-Terphenyl-d14	76		30-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-10	Date Collected:	06/11/09 14:30
Client ID:	SAB-2 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8270C	Extraction Date:	06/13/09 11:17
Analytical Date:	06/18/09 05:30		
Analyst:	AK		
Percent Solids:	91%		

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Acenaphthene	ND		ug/kg	370	1
1,2,4-Trichlorobenzene	ND		ug/kg	370	1
Hexachlorobenzene	ND		ug/kg	370	1
Bis(2-chloroethyl)ether	ND		ug/kg	370	1
2-Chloronaphthalene	ND		ug/kg	370	1
1,2-Dichlorobenzene	ND		ug/kg	370	1
1,3-Dichlorobenzene	ND		ug/kg	370	1
1,4-Dichlorobenzene	ND		ug/kg	370	1
3,3'-Dichlorobenzidine	ND		ug/kg	730	1
2,4-Dinitrotoluene	ND		ug/kg	370	1
2,6-Dinitrotoluene	ND		ug/kg	370	1
Azobenzene	ND		ug/kg	370	1
Fluoranthene	ND		ug/kg	370	1
4-Bromophenyl phenyl ether	ND		ug/kg	370	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	370	1
Bis(2-chloroethoxy)methane	ND		ug/kg	370	1
Hexachlorobutadiene	ND		ug/kg	730	1
Hexachloroethane	ND		ug/kg	370	1
Isophorone	ND		ug/kg	370	1
Naphthalene	ND		ug/kg	370	1
Nitrobenzene	ND		ug/kg	370	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	730	1
Butyl benzyl phthalate	ND		ug/kg	370	1
Di-n-butylphthalate	ND		ug/kg	370	1
Di-n-octylphthalate	ND		ug/kg	370	1
Diethyl phthalate	ND		ug/kg	370	1
Dimethyl phthalate	ND		ug/kg	370	1
Benzo(a)anthracene	ND		ug/kg	370	1
Benzo(a)pyrene	ND		ug/kg	370	1
Benzo(b)fluoranthene	ND		ug/kg	370	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-10 Date Collected: 06/11/09 14:30

Client ID: SAB-2 (0-6') Date Received: 06/12/09

Sample Location: HOLBROOK, MA Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Base/Neutral Extractables - Westborough Lab					
Benzo(k)fluoranthene	ND		ug/kg	370	1
Chrysene	ND		ug/kg	370	1
Acenaphthylene	ND		ug/kg	370	1
Anthracene	ND		ug/kg	370	1
Benzo(ghi)perylene	ND		ug/kg	370	1
Fluorene	ND		ug/kg	370	1
Phenanthrene	ND		ug/kg	370	1
Dibenzo(a,h)anthracene	ND		ug/kg	370	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	370	1
Pyrene	ND		ug/kg	370	1
Aniline	ND		ug/kg	730	1
4-Chloroaniline	ND		ug/kg	370	1
Dibenzofuran	ND		ug/kg	370	1
2-Methylnaphthalene	ND		ug/kg	370	1
Acetophenone	ND		ug/kg	1500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	73		30-130
4-Terphenyl-d14	79		30-130

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8270C
Analytical Date: 06/15/09 14:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/13/09 11:17

Parameter	Result	Qualifier	Units	RDL
MCP Base/Neutral Extractables - Westborough Lab for sample(s): 01-02,05-06,08-10 Batch: WG368527-1				
Acenaphthene	ND		ug/kg	330
1,2,4-Trichlorobenzene	ND		ug/kg	330
Hexachlorobenzene	ND		ug/kg	330
Bis(2-chloroethyl)ether	ND		ug/kg	330
2-Chloronaphthalene	ND		ug/kg	330
1,2-Dichlorobenzene	ND		ug/kg	330
1,3-Dichlorobenzene	ND		ug/kg	330
1,4-Dichlorobenzene	ND		ug/kg	330
3,3'-Dichlorobenzidine	ND		ug/kg	670
2,4-Dinitrotoluene	ND		ug/kg	330
2,6-Dinitrotoluene	ND		ug/kg	330
Azobenzene	ND		ug/kg	330
Fluoranthene	ND		ug/kg	330
4-Bromophenyl phenyl ether	ND		ug/kg	330
Bis(2-chloroisopropyl)ether	ND		ug/kg	330
Bis(2-chloroethoxy)methane	ND		ug/kg	330
Hexachlorobutadiene	ND		ug/kg	670
Hexachloroethane	ND		ug/kg	330
Isophorone	ND		ug/kg	330
Naphthalene	ND		ug/kg	330
Nitrobenzene	ND		ug/kg	330
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	670
Butyl benzyl phthalate	ND		ug/kg	330
Di-n-butylphthalate	ND		ug/kg	330
Di-n-octylphthalate	ND		ug/kg	330
Diethyl phthalate	ND		ug/kg	330
Dimethyl phthalate	ND		ug/kg	330
Benzo(a)anthracene	ND		ug/kg	330
Benzo(a)pyrene	ND		ug/kg	330
Benzo(b)fluoranthene	ND		ug/kg	330

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8270C
Analytical Date: 06/15/09 14:24
Analyst: AK

Extraction Method: EPA 3545
Extraction Date: 06/13/09 11:17

Parameter	Result	Qualifier	Units	RDL
MCP Base/Neutral Extractables - Westborough Lab for sample(s): 01-02,05-06,08-10 Batch: WG368527-1				
Benzo(k)fluoranthene	ND		ug/kg	330
Chrysene	ND		ug/kg	330
Acenaphthylene	ND		ug/kg	330
Anthracene	ND		ug/kg	330
Benzo(ghi)perylene	ND		ug/kg	330
Fluorene	ND		ug/kg	330
Phenanthrene	ND		ug/kg	330
Dibenzo(a,h)anthracene	ND		ug/kg	330
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	330
Pyrene	ND		ug/kg	330
Aniline	ND		ug/kg	670
4-Chloroaniline	ND		ug/kg	330
Dibenzofuran	ND		ug/kg	330
2-Methylnaphthalene	ND		ug/kg	330
Acetophenone	ND		ug/kg	1300

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	77		30-130
2-Fluorobiphenyl	74		30-130
4-Terphenyl-d14	81		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Base/Neutral Extractables - Westborough Lab Associated sample(s): 01-02,05-06,08-10 Batch: WG368527-2 WG368527-3					
Acenaphthene	91	75	40-140	19	30
1,2,4-Trichlorobenzene	80	67	40-140	18	30
Hexachlorobenzene	81	68	40-140	17	30
Bis(2-chloroethyl)ether	90	75	40-140	18	30
2-Chloronaphthalene	96	82	40-140	16	30
1,2-Dichlorobenzene	82	74	40-140	10	30
1,3-Dichlorobenzene	82	73	40-140	12	30
1,4-Dichlorobenzene	81	71	40-140	13	30
3,3'-Dichlorobenzidine	49	44	40-140	11	30
2,4-Dinitrotoluene	92	77	40-140	18	30
2,6-Dinitrotoluene	83	65	40-140	24	30
Azobenzene	96	84	40-140	13	30
Fluoranthene	92	77	40-140	18	30
4-Bromophenyl phenyl ether	87	71	40-140	20	30
Bis(2-chloroisopropyl)ether	102	90	40-140	13	30
Bis(2-chloroethoxy)methane	87	74	40-140	16	30
Hexachlorobutadiene	79	69	40-140	14	30
Hexachloroethane	80	71	40-140	12	30
Isophorone	80	72	40-140	11	30
Naphthalene	89	75	40-140	17	30
Nitrobenzene	92	81	40-140	13	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Base/Neutral Extractables - Westborough Lab Associated sample(s): 01-02,05-06,08-10 Batch: WG368527-2 WG368527-3					
Bis(2-Ethylhexyl)phthalate	92	79	40-140	15	30
Butyl benzyl phthalate	88	73	40-140	19	30
Di-n-butylphthalate	93	79	40-140	16	30
Di-n-octylphthalate	92	78	40-140	16	30
Diethyl phthalate	90	76	40-140	17	30
Dimethyl phthalate	87	77	40-140	12	30
Benzo(a)anthracene	94	82	40-140	14	30
Benzo(a)pyrene	78	68	40-140	14	30
Benzo(b)fluoranthene	98	88	40-140	11	30
Benzo(k)fluoranthene	98	86	40-140	13	30
Chrysene	92	79	40-140	15	30
Acenaphthylene	86	71	40-140	19	30
Anthracene	94	80	40-140	16	30
Benzo(ghi)perylene	93	79	40-140	16	30
Fluorene	96	79	40-140	19	30
Phenanthrene	89	78	40-140	13	30
Dibenzo(a,h)anthracene	93	79	40-140	16	30
Indeno(1,2,3-cd)Pyrene	91	77	40-140	17	30
Pyrene	86	73	40-140	16	30
Aniline	48	43	40-140	11	30
4-Chloroaniline	62	53	40-140	16	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Base/Neutral Extractables - Westborough Lab Associated sample(s): 01-02,05-06,08-10 Batch: WG368527-2 WG368527-3					
Dibenzofuran	92	76	40-140	19	30
2-Methylnaphthalene	86	73	40-140	16	30
Acetophenone	92	82	40-140	11	30

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	86		75		30-130
2-Fluorobiphenyl	81		71		30-130
4-Terphenyl-d14	87		72		30-130

PETROLEUM HYDROCARBONS

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-01	Date Collected:	06/08/09 09:00
Client ID:	B-4 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	61,EPH-04-1	Extraction Date:	06/16/09 09:41
Analytical Date:	06/19/09 01:23	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/18/09
Percent Solids:	93%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab					
C9-C18 Aliphatics	ND		mg/kg	35.8	5
C19-C36 Aliphatics	41.4		mg/kg	35.8	5
C11-C22 Aromatics	53.5		mg/kg	35.8	5
C11-C22 Aromatics, Adjusted	53.5		mg/kg	35.8	5
Naphthalene	ND		mg/kg	1.79	5
2-Methylnaphthalene	ND		mg/kg	1.79	5
Acenaphthylene	ND		mg/kg	1.79	5
Acenaphthene	ND		mg/kg	1.79	5
Fluorene	ND		mg/kg	1.79	5
Phenanthrene	ND		mg/kg	1.79	5
Anthracene	ND		mg/kg	1.79	5
Fluoranthene	ND		mg/kg	1.79	5
Pyrene	ND		mg/kg	1.79	5
Benzo(a)anthracene	ND		mg/kg	1.79	5
Chrysene	ND		mg/kg	1.79	5
Benzo(b)fluoranthene	ND		mg/kg	1.79	5
Benzo(k)fluoranthene	ND		mg/kg	1.79	5
Benzo(a)pyrene	ND		mg/kg	1.79	5
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	1.79	5
Dibenzo(a,h)anthracene	ND		mg/kg	1.79	5
Benzo(ghi)perylene	ND		mg/kg	1.79	5

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-01	Date Collected:	06/08/09 09:00
Client ID:	B-4 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	78		40-140
o-Terphenyl	89		40-140
2-Fluorobiphenyl	78		40-140
2-Bromonaphthalene	81		40-140

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-02	Date Collected:	06/08/09 09:45
Client ID:	B-4 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	61,EPH-04-1	Extraction Date:	06/16/09 09:41
Analytical Date:	06/18/09 17:45	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/18/09
Percent Solids:	88%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab					
C9-C18 Aliphatics	ND		mg/kg	7.58	1
C19-C36 Aliphatics	ND		mg/kg	7.58	1
C11-C22 Aromatics	ND		mg/kg	7.58	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.58	1
Naphthalene	ND		mg/kg	0.379	1
2-Methylnaphthalene	ND		mg/kg	0.379	1
Acenaphthylene	ND		mg/kg	0.379	1
Acenaphthene	ND		mg/kg	0.379	1
Fluorene	ND		mg/kg	0.379	1
Phenanthrene	ND		mg/kg	0.379	1
Anthracene	ND		mg/kg	0.379	1
Fluoranthene	ND		mg/kg	0.379	1
Pyrene	ND		mg/kg	0.379	1
Benzo(a)anthracene	ND		mg/kg	0.379	1
Chrysene	ND		mg/kg	0.379	1
Benzo(b)fluoranthene	ND		mg/kg	0.379	1
Benzo(k)fluoranthene	ND		mg/kg	0.379	1
Benzo(a)pyrene	ND		mg/kg	0.379	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.379	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.379	1
Benzo(ghi)perylene	ND		mg/kg	0.379	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-02	Date Collected:	06/08/09 09:45
Client ID:	B-4 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	48		40-140
o-Terphenyl	79		40-140
2-Fluorobiphenyl	100		40-140
2-Bromonaphthalene	101		40-140

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-05	Date Collected:	06/08/09 15:15
Client ID:	B-5 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	61,EPH-04-1	Extraction Date:	06/16/09 09:41
Analytical Date:	06/19/09 01:53	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/18/09
Percent Solids:	92%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab					
C9-C18 Aliphatics	ND		mg/kg	14.5	2
C19-C36 Aliphatics	16.1		mg/kg	14.5	2
C11-C22 Aromatics	19.4		mg/kg	14.5	2
C11-C22 Aromatics, Adjusted	19.4		mg/kg	14.5	2
Naphthalene	ND		mg/kg	0.725	2
2-Methylnaphthalene	ND		mg/kg	0.725	2
Acenaphthylene	ND		mg/kg	0.725	2
Acenaphthene	ND		mg/kg	0.725	2
Fluorene	ND		mg/kg	0.725	2
Phenanthrene	ND		mg/kg	0.725	2
Anthracene	ND		mg/kg	0.725	2
Fluoranthene	ND		mg/kg	0.725	2
Pyrene	ND		mg/kg	0.725	2
Benzo(a)anthracene	ND		mg/kg	0.725	2
Chrysene	ND		mg/kg	0.725	2
Benzo(b)fluoranthene	ND		mg/kg	0.725	2
Benzo(k)fluoranthene	ND		mg/kg	0.725	2
Benzo(a)pyrene	ND		mg/kg	0.725	2
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.725	2
Dibenzo(a,h)anthracene	ND		mg/kg	0.725	2
Benzo(ghi)perylene	ND		mg/kg	0.725	2

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-05	Date Collected:	06/08/09 15:15
Client ID:	B-5 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	98		40-140
2-Fluorobiphenyl	91		40-140
2-Bromonaphthalene	92		40-140

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-06	Date Collected:	06/09/09 08:30
Client ID:	B-5 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	61,EPH-04-1	Extraction Date:	06/16/09 09:41
Analytical Date:	06/18/09 18:17	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/18/09
Percent Solids:	92%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab					
C9-C18 Aliphatics	ND		mg/kg	7.25	1
C19-C36 Aliphatics	ND		mg/kg	7.25	1
C11-C22 Aromatics	ND		mg/kg	7.25	1
C11-C22 Aromatics, Adjusted	ND		mg/kg	7.25	1
Naphthalene	ND		mg/kg	0.362	1
2-Methylnaphthalene	ND		mg/kg	0.362	1
Acenaphthylene	ND		mg/kg	0.362	1
Acenaphthene	ND		mg/kg	0.362	1
Fluorene	ND		mg/kg	0.362	1
Phenanthrene	ND		mg/kg	0.362	1
Anthracene	ND		mg/kg	0.362	1
Fluoranthene	ND		mg/kg	0.362	1
Pyrene	ND		mg/kg	0.362	1
Benzo(a)anthracene	ND		mg/kg	0.362	1
Chrysene	ND		mg/kg	0.362	1
Benzo(b)fluoranthene	ND		mg/kg	0.362	1
Benzo(k)fluoranthene	ND		mg/kg	0.362	1
Benzo(a)pyrene	ND		mg/kg	0.362	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.362	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.362	1
Benzo(ghi)perylene	ND		mg/kg	0.362	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-06	Date Collected:	06/09/09 08:30
Client ID:	B-5 (6-10')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	60		40-140
o-Terphenyl	72		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	81		40-140

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-09	Date Collected:	06/11/09 11:30
Client ID:	B-1 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	61,EPH-04-1	Extraction Date:	06/16/09 09:41
Analytical Date:	06/18/09 18:48	Cleanup Method1:	EPH-04-1
Analyst:	AS	Cleanup Date1:	06/18/09
Percent Solids:	96%		

Quality Control Information

Condition of sample received:	Satisfactory
Sample Temperature upon receipt:	Received on Ice
Sample Extraction method:	Extracted Per the Method

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
Extractable Petroleum Hydrocarbons - Westborough Lab					
C9-C18 Aliphatics	ND		mg/kg	6.94	1
C19-C36 Aliphatics	ND		mg/kg	6.94	1
C11-C22 Aromatics	8.45		mg/kg	6.94	1
C11-C22 Aromatics, Adjusted	8.45		mg/kg	6.94	1
Naphthalene	ND		mg/kg	0.347	1
2-Methylnaphthalene	ND		mg/kg	0.347	1
Acenaphthylene	ND		mg/kg	0.347	1
Acenaphthene	ND		mg/kg	0.347	1
Fluorene	ND		mg/kg	0.347	1
Phenanthrene	ND		mg/kg	0.347	1
Anthracene	ND		mg/kg	0.347	1
Fluoranthene	ND		mg/kg	0.347	1
Pyrene	ND		mg/kg	0.347	1
Benzo(a)anthracene	ND		mg/kg	0.347	1
Chrysene	ND		mg/kg	0.347	1
Benzo(b)fluoranthene	ND		mg/kg	0.347	1
Benzo(k)fluoranthene	ND		mg/kg	0.347	1
Benzo(a)pyrene	ND		mg/kg	0.347	1
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.347	1
Dibenzo(a,h)anthracene	ND		mg/kg	0.347	1
Benzo(ghi)perylene	ND		mg/kg	0.347	1

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-09	Date Collected:	06/11/09 11:30
Client ID:	B-1 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor

Extractable Petroleum Hydrocarbons - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	76		40-140
2-Fluorobiphenyl	88		40-140
2-Bromonaphthalene	88		40-140

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 61,EPH-04-1
Analytical Date: 06/16/09 16:24
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/16/09 09:41
Cleanup Method1: EPH-04-1
Cleanup Date1: 06/16/09

Parameter	Result	Qualifier	Units	RDL
Extractable Petroleum Hydrocarbons - Westborough Lab for sample(s): 01-02,05-06,09 Batch: WG366979-1				
C9-C18 Aliphatics	ND		mg/kg	6.67
C19-C36 Aliphatics	ND		mg/kg	6.67
C11-C22 Aromatics	ND		mg/kg	6.67
C11-C22 Aromatics, Adjusted	ND		mg/kg	6.67
Naphthalene	ND		mg/kg	0.333
2-Methylnaphthalene	ND		mg/kg	0.333
Acenaphthylene	ND		mg/kg	0.333
Acenaphthene	ND		mg/kg	0.333
Fluorene	ND		mg/kg	0.333
Phenanthrene	ND		mg/kg	0.333
Anthracene	ND		mg/kg	0.333
Fluoranthene	ND		mg/kg	0.333
Pyrene	ND		mg/kg	0.333
Benzo(a)anthracene	ND		mg/kg	0.333
Chrysene	ND		mg/kg	0.333
Benzo(b)fluoranthene	ND		mg/kg	0.333
Benzo(k)fluoranthene	ND		mg/kg	0.333
Benzo(a)pyrene	ND		mg/kg	0.333
Indeno(1,2,3-cd)Pyrene	ND		mg/kg	0.333
Dibenzo(a,h)anthracene	ND		mg/kg	0.333
Benzo(ghi)perylene	ND		mg/kg	0.333

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	66		40-140
2-Fluorobiphenyl	80		40-140
2-Bromonaphthalene	81		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02,05-06,09 Batch: WG366979-2 WG366979-3					
C9-C18 Aliphatics	52	44	40-140	17	25
C19-C36 Aliphatics	66	58	40-140	13	25
C11-C22 Aromatics	70	70	40-140	0	25
Naphthalene	56	59	40-140	5	25
2-Methylnaphthalene	59	63	40-140	7	25
Acenaphthylene	60	64	40-140	6	25
Acenaphthene	58	62	40-140	7	25
Fluorene	63	65	40-140	3	25
Phenanthrene	74	74	40-140	0	25
Anthracene	74	73	40-140	1	25
Fluoranthene	74	75	40-140	1	25
Pyrene	75	75	40-140	0	25
Benzo(a)anthracene	72	74	40-140	3	25
Chrysene	72	74	40-140	3	25
Benzo(b)fluoranthene	72	72	40-140	0	25
Benzo(k)fluoranthene	70	72	40-140	3	25
Benzo(a)pyrene	70	71	40-140	1	25
Indeno(1,2,3-cd)Pyrene	70	71	40-140	1	25
Dibenzo(a,h)anthracene	69	69	40-140	0	25
Benzo(ghi)perylene	68	69	40-140	1	25
Nonane (C9)	43	37	30-140	15	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Extractable Petroleum Hydrocarbons - Westborough Lab Associated sample(s): 01-02,05-06,09 Batch: WG366979-2 WG366979-3					
Decane (C10)	50	42	40-140	17	25
Dodecane (C12)	54	46	40-140	16	25
Tetradecane (C14)	55	46	40-140	18	25
Hexadecane (C16)	57	48	40-140	17	25
Octadecane (C18)	60	53	40-140	12	25
Nonadecane (C19)	63	57	40-140	10	25
Eicosane (C20)	64	59	40-140	8	25
Docosane (C22)	66	62	40-140	6	25
Tetracosane (C24)	67	63	40-140	6	25
Hexacosane (C26)	67	63	40-140	6	25
Octacosane (C28)	66	62	40-140	6	25
Triacontane (C30)	69	65	40-140	6	25
Hexatriacontane (C36)	70	68	40-140	3	25

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		65		40-140
o-Terphenyl	78		76		40-140
2-Fluorobiphenyl	73		82		40-140
2-Bromonaphthalene	77		84		40-140
% Naphthalene Breakthrough	0		0		
% 2-Methylnaphthalene Breakthrough	0		0		

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

Fractionation Check Standard
Quality Control

Fractionation check standard for 200818205

Parameter	% Recovery	QC Criteria
C9-C18 Aliphatics	77	40-140
C19-C36 Aliphatics	76	40-140
C11-C22 Aromatics	86	40-140
Naphthalene	82	40-140
2-Methylnaphthalene	78	40-140
Acenaphthylene	76	40-140
Acenaphthene	80	40-140
Fluorene	79	40-140
Phenanthrene	78	40-140
Anthracene	82	40-140
Fluoranthene	84	40-140
Pyrene	84	40-140
Benzo(a)anthracene	82	40-140
Chrysene	88	40-140
Benzo(b)fluoranthene	81	40-140
Benzo(k)fluoranthene	97	40-140
Benzo(a)pyrene	78	40-140
Indeno(1,2,3-cd)Pyrene	76	40-140
Dibenzo(a,h)anthracene	83	40-140
Benzo(g,h,i)perylene	82	40-140
Nonane	72	30-140
Decane	77	40-140
Dodecane	80	40-140
Tetradecane	76	40-140
Hexadecane	78	40-140
Octadecane	76	40-140
Nonadecane	75	40-140
Eicosane	77	40-140
Docosane	79	40-140
Tetracosane	83	40-140
Hexacosane	78	40-140
Octacosane	77	40-140
Triacontane	76	40-140
Hexatriacontane	75	40-140
% Naphthalene Breakthrough	0	0-5
% 2-Methylnaphthalene Breakthrough	0	0-5

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Fractionation Check Standard
Quality Control

Fractionation check standard for 200818205

Surrogate	% Recovery	QC Criteria
Chloro-Octadecane	66	40-140
o-Terphenyl	83	40-140
2-Fluorobiphenyl	75	40-140
2-Bromonaphthalene	76	40-140

PESTICIDES

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-01	Date Collected:	06/08/09 09:00
Client ID:	B-4 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8081A	Extraction Date:	06/16/09 14:06
Analytical Date:	06/18/09 15:51	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	93%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab					
Delta-BHC	ND		ug/kg	3.58	1
Lindane	ND		ug/kg	2.87	1
Alpha-BHC	ND		ug/kg	3.58	1
Beta-BHC	ND		ug/kg	3.58	1
Heptachlor	ND		ug/kg	3.58	1
Aldrin	ND		ug/kg	3.58	1
Heptachlor epoxide	ND		ug/kg	3.58	1
Endrin	ND		ug/kg	3.58	1
Endrin ketone	ND		ug/kg	3.58	1
Dieldrin	ND		ug/kg	3.58	1
4,4'-DDE	ND		ug/kg	3.58	1
4,4'-DDD	ND		ug/kg	3.58	1
4,4'-DDT	ND		ug/kg	3.58	1
Endosulfan I	ND		ug/kg	3.58	1
Endosulfan II	ND		ug/kg	3.58	1
Endosulfan sulfate	ND		ug/kg	3.58	1
Methoxychlor	ND		ug/kg	14.3	1
Chlordane	ND		ug/kg	35.8	1
Hexachlorobenzene	ND		ug/kg	3.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	41		30-150	A
Decachlorobiphenyl	38		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-03	Date Collected:	06/08/09 13:00
Client ID:	B-2 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8081A	Extraction Date:	06/16/09 14:06
Analytical Date:	06/18/09 16:04	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	93%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab					
Delta-BHC	ND		ug/kg	3.58	1
Lindane	ND		ug/kg	2.87	1
Alpha-BHC	ND		ug/kg	3.58	1
Beta-BHC	ND		ug/kg	3.58	1
Heptachlor	ND		ug/kg	3.58	1
Aldrin	ND		ug/kg	3.58	1
Heptachlor epoxide	ND		ug/kg	3.58	1
Endrin	ND		ug/kg	3.58	1
Endrin ketone	ND		ug/kg	3.58	1
Dieldrin	ND		ug/kg	3.58	1
4,4'-DDE	ND		ug/kg	3.58	1
4,4'-DDD	ND		ug/kg	3.58	1
4,4'-DDT	ND		ug/kg	3.58	1
Endosulfan I	ND		ug/kg	3.58	1
Endosulfan II	ND		ug/kg	3.58	1
Endosulfan sulfate	ND		ug/kg	3.58	1
Methoxychlor	ND		ug/kg	14.3	1
Chlordane	ND		ug/kg	35.8	1
Hexachlorobenzene	ND		ug/kg	3.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	33		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-05	Date Collected:	06/08/09 15:15
Client ID:	B-5 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8081A	Extraction Date:	06/16/09 14:06
Analytical Date:	06/18/09 16:17	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	92%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab					
Delta-BHC	ND		ug/kg	3.62	1
Lindane	ND		ug/kg	2.90	1
Alpha-BHC	ND		ug/kg	3.62	1
Beta-BHC	ND		ug/kg	3.62	1
Heptachlor	ND		ug/kg	3.62	1
Aldrin	ND		ug/kg	3.62	1
Heptachlor epoxide	ND		ug/kg	3.62	1
Endrin	ND		ug/kg	3.62	1
Endrin ketone	ND		ug/kg	3.62	1
Dieldrin	ND		ug/kg	3.62	1
4,4'-DDE	ND		ug/kg	3.62	1
4,4'-DDD	ND		ug/kg	3.62	1
4,4'-DDT	ND		ug/kg	3.62	1
Endosulfan I	ND		ug/kg	3.62	1
Endosulfan II	ND		ug/kg	3.62	1
Endosulfan sulfate	ND		ug/kg	3.62	1
Methoxychlor	ND		ug/kg	14.5	1
Chlordane	ND		ug/kg	36.2	1
Hexachlorobenzene	ND		ug/kg	3.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	33		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-08	Date Collected:	06/11/09 00:00
Client ID:	SAB-3B (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8081A	Extraction Date:	06/16/09 14:06
Analytical Date:	06/18/09 16:30	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	93%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab					
Delta-BHC	ND		ug/kg	3.58	1
Lindane	ND		ug/kg	2.87	1
Alpha-BHC	ND		ug/kg	3.58	1
Beta-BHC	ND		ug/kg	3.58	1
Heptachlor	ND		ug/kg	3.58	1
Aldrin	ND		ug/kg	3.58	1
Heptachlor epoxide	ND		ug/kg	3.58	1
Endrin	ND		ug/kg	3.58	1
Endrin ketone	ND		ug/kg	3.58	1
Dieldrin	ND		ug/kg	3.58	1
4,4'-DDE	ND		ug/kg	3.58	1
4,4'-DDD	ND		ug/kg	3.58	1
4,4'-DDT	ND		ug/kg	3.58	1
Endosulfan I	ND		ug/kg	3.58	1
Endosulfan II	ND		ug/kg	3.58	1
Endosulfan sulfate	ND		ug/kg	3.58	1
Methoxychlor	ND		ug/kg	14.3	1
Chlordane	ND		ug/kg	35.8	1
Hexachlorobenzene	ND		ug/kg	3.58	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	30		30-150	A
Decachlorobiphenyl	31		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: TRANSLOAD AMERICA **Lab Number:** L0907829

Project Number: 218390 **Report Date:** 06/26/09

SAMPLE RESULTS

Lab ID:	L0907829-09	Date Collected:	06/11/09 11:30
Client ID:	B-1 (0-6')	Date Received:	06/12/09
Sample Location:	HOLBROOK, MA	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3545
Analytical Method:	64,8081A	Extraction Date:	06/16/09 14:06
Analytical Date:	06/18/09 16:44	Cleanup Method1:	EPA 3620B
Analyst:	JB	Cleanup Date1:	06/18/09
Percent Solids:	96%	Cleanup Method2:	- - - -

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
MCP Organochlorine Pesticides - Westborough Lab					
Delta-BHC	ND		ug/kg	3.47	1
Lindane	ND		ug/kg	2.78	1
Alpha-BHC	ND		ug/kg	3.47	1
Beta-BHC	ND		ug/kg	3.47	1
Heptachlor	ND		ug/kg	3.47	1
Aldrin	ND		ug/kg	3.47	1
Heptachlor epoxide	ND		ug/kg	3.47	1
Endrin	ND		ug/kg	3.47	1
Endrin ketone	ND		ug/kg	3.47	1
Dieldrin	ND		ug/kg	3.47	1
4,4'-DDE	ND		ug/kg	3.47	1
4,4'-DDD	ND		ug/kg	3.47	1
4,4'-DDT	ND		ug/kg	3.47	1
Endosulfan I	ND		ug/kg	3.47	1
Endosulfan II	ND		ug/kg	3.47	1
Endosulfan sulfate	ND		ug/kg	3.47	1
Methoxychlor	ND		ug/kg	13.9	1
Chlordane	ND		ug/kg	34.7	1
Hexachlorobenzene	ND		ug/kg	3.47	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	35		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	35		30-150	B
Decachlorobiphenyl	33		30-150	B

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 64,8081A
Analytical Date: 06/18/09 14:39
Analyst: JB

Extraction Method: EPA 3545
Extraction Date: 06/16/09 14:06
Cleanup Method1: EPA 3620B
Cleanup Date1: 06/18/09
Cleanup Method2: - - - -
Cleanup Date2:

Parameter	Result	Qualifier	Units	RDL
MCP Organochlorine Pesticides - Westborough Lab for sample(s): 01,03,05,08-09 Batch: WG367033-1				
Delta-BHC	ND		ug/kg	3.33
Lindane	ND		ug/kg	2.67
Alpha-BHC	ND		ug/kg	3.33
Beta-BHC	ND		ug/kg	3.33
Heptachlor	ND		ug/kg	3.33
Aldrin	ND		ug/kg	3.33
Heptachlor epoxide	ND		ug/kg	3.33
Endrin	ND		ug/kg	3.33
Endrin ketone	ND		ug/kg	3.33
Dieldrin	ND		ug/kg	3.33
4,4'-DDE	ND		ug/kg	3.33
4,4'-DDD	ND		ug/kg	3.33
4,4'-DDT	ND		ug/kg	3.33
Endosulfan I	ND		ug/kg	3.33
Endosulfan II	ND		ug/kg	3.33
Endosulfan sulfate	ND		ug/kg	3.33
Methoxychlor	ND		ug/kg	13.3
Chlordane	ND		ug/kg	33.3
Hexachlorobenzene	ND		ug/kg	3.33

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	53		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01,03,05,08-09 Batch: WG367033-2 WG367033-3					
Delta-BHC	65	58	40-140	11	30
Lindane	65	53	40-140	20	30
Alpha-BHC	65	52	40-140	22	30
Beta-BHC	65	58	40-140	11	30
Heptachlor	66	54	40-140	20	30
Aldrin	67	54	40-140	21	30
Heptachlor epoxide	76	63	40-140	19	30
Endrin	64	55	40-140	15	30
Endrin ketone	66	56	40-140	16	30
Dieldrin	72	58	40-140	22	30
4,4'-DDE	75	69	40-140	8	30
4,4'-DDD	69	67	40-140	3	30
4,4'-DDT	54	44	40-140	20	30
Endosulfan I	68	61	40-140	11	30
Endosulfan II	67	57	40-140	16	30
Endosulfan sulfate	61	56	40-140	9	30
Methoxychlor	70	67	40-140	4	30
Hexachlorobenzene	49	42	40-140	15	30

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits

MCP Organochlorine Pesticides - Westborough Lab Associated sample(s): 01,03,05,08-09 Batch: WG367033-2 WG367033-3

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		54		30-150	A
Decachlorobiphenyl	75		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		56		30-150	B
Decachlorobiphenyl	68		56		30-150	B

METALS

Project Name: TRANSLOAD AMERICA
Lab Number: L0907829
Project Number: 218390
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-02
Client ID: B-4 (6-10')
Sample Location: HOLBROOK, MA
Matrix: Soil
Percent Solids: 88%

Date Collected: 06/08/09 09:45
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	1.7		mg/kg	0.44	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Barium, Total	27		mg/kg	0.44	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.44	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Chromium, Total	20		mg/kg	0.44	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Lead, Total	5.3		mg/kg	2.2	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.09	1	06/23/09 19:30	06/24/09 11:09	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	2.2	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.44	1	06/15/09 16:15	06/17/09 17:25	EPA 3050B	60,6010B	MG

Project Name: TRANSLOAD AMERICA
Lab Number: L0907829
Project Number: 218390
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-07
Client ID: SAB-1 (0-4')
Sample Location: HOLBROOK, MA
Matrix: Soil
Percent Solids: 93%

Date Collected: 06/09/09 11:45
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	2.5		mg/kg	0.43	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Barium, Total	27		mg/kg	0.43	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.43	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Chromium, Total	21		mg/kg	0.43	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Lead, Total	8.5		mg/kg	2.1	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	06/23/09 19:30	06/24/09 11:11	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	2.1	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG
Silver, Total	0.61		mg/kg	0.43	1	06/15/09 16:15	06/17/09 17:28	EPA 3050B	60,6010B	MG

Project Name: TRANSLOAD AMERICA
Lab Number: L0907829
Project Number: 218390
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09
Client ID: B-1 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Percent Solids: 96%

Date Collected: 06/11/09 11:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Total Metals - Westborough Lab										
Arsenic, Total	2.1		mg/kg	0.42	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Barium, Total	24		mg/kg	0.42	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.42	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Chromium, Total	6.9		mg/kg	0.42	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Lead, Total	6.2		mg/kg	2.1	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Mercury, Total	ND		mg/kg	0.08	1	06/23/09 19:30	06/24/09 11:13	EPA 7471A	64,7471A	EZ
Selenium, Total	ND		mg/kg	2.1	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG
Silver, Total	ND		mg/kg	0.42	1	06/15/09 16:15	06/17/09 17:31	EPA 3050B	60,6010B	MG

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 02,07,09 Batch: WG366911-1									
Arsenic, Total	ND		mg/kg	0.40	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Barium, Total	ND		mg/kg	0.40	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Cadmium, Total	ND		mg/kg	0.40	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Chromium, Total	ND		mg/kg	0.40	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Lead, Total	ND		mg/kg	2.0	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Selenium, Total	ND		mg/kg	2.0	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG
Silver, Total	ND		mg/kg	0.40	1	06/15/09 16:15	06/17/09 15:32	60,6010B	MG

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Total Metals - Westborough Lab for sample(s): 02,07,09 Batch: WG368073-1									
Mercury, Total	ND		mg/kg	0.08	1	06/23/09 19:30	06/24/09 11:04	64,7471A	EZ

Prep Information

Digestion Method: EPA 7471A

Lab Control Sample Analysis

Batch Quality Control

Project Name: TRANSLOAD AMERICA

Project Number: 218390

Lab Number: L0907829

Report Date: 06/26/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
MCP Total Metals - Westborough Lab Associated sample(s): 02,07,09 Batch: WG366911-2 WG366911-3					
Arsenic, Total	101	101	75-125	0	30
Barium, Total	98	98	75-125	0	30
Cadmium, Total	102	104	75-125	2	30
Chromium, Total	102	101	75-125	1	30
Lead, Total	102	104	75-125	2	30
Selenium, Total	97	99	75-125	2	30
Silver, Total	116	118	75-125	2	30
MCP Total Metals - Westborough Lab Associated sample(s): 02,07,09 Batch: WG368073-2 WG368073-3					
Mercury, Total	115	108	75-125	6	30

INORGANICS
&
MISCELLANEOUS

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-01
Client ID: B-4 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/08/09 09:00
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-02
Client ID: B-4 (6-10')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/08/09 09:45
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	88		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-03
Client ID: B-2 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/08/09 13:00
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-04
Client ID: B-2 (6-10')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/08/09 13:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	90		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-05
Client ID: B-5 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/08/09 15:15
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	92		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-06
Client ID: B-5 (6-10')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/09/09 08:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	92		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-07
Client ID: SAB-1 (0-4')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/09/09 11:45
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-08
Client ID: SAB-3B (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/11/09 00:00
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	93		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-09
Client ID: B-1 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/11/09 11:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	96		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Project Name: TRANSLOAD AMERICA
Project Number: 218390
Lab Number: L0907829
Report Date: 06/26/09

SAMPLE RESULTS

Lab ID: L0907829-10
Client ID: SAB-2 (0-6')
Sample Location: HOLBROOK, MA
Matrix: Soil
Date Collected: 06/11/09 14:30
Date Received: 06/12/09
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab									
Solids, Total	91		%	0.10	1	-	06/16/09 11:08	30,2540G	MC

Lab Duplicate Analysis
Batch Quality Control

Project Name: TRANSLOAD AMERICA
Project Number: 218390

Lab Number: L0907829
Report Date: 06/26/09

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10 QC Batch ID: WG367002-1 QC Sample: L0907827-01 Client ID: DUP Sample					
Solids, Total	91	90	%	1	20

Project Name: TRANSLOAD AMERICA
Project Number: 218390

Lab Number: L0907829
Report Date: 06/26/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907829-01A	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	EPH-DELUX-04(14),MCP-8081-04(14),MCP-BNEXT-04(14)
L0907829-01B	Amber 100ml unpreserved	A	N/A	2.1 c	Y	Absent	TS(7)
L0907829-02A	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	EPH-DELUX-04(14),MCP-BNEXT-04(14)
L0907829-02B	Amber 100ml unpreserved	A	N/A	2.1 c	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),TS(7),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180)
L0907829-03A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-03B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-03C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-03E	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	TS(7),MCP-8081-04(14)
L0907829-04A	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-04B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-04C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-04D	Amber 120ml unpreserved	B	N/A	3	Y	Absent	TS(7)
L0907829-05A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-05B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-05C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-05D	Amber 100ml unpreserved	A	N/A	2.1 c	Y	Absent	TS(7)
L0907829-05E	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	EPH-DELUX-04(14),MCP-8081-04(14),MCP-BNEXT-04(14)
L0907829-06A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260H-04(14)
L0907829-06B	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	EPH-DELUX-04(14),TS(7),MCP-BNEXT-04(14)
L0907829-07A	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),TS(7),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180)
L0907829-08A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-08B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)

*Hold days indicated by values in parentheses

Project Name: TRANSLOAD AMERICA
Project Number: 218390

Lab Number: L0907829
Report Date: 06/26/09

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0907829-08C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-08E	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	TS(7),MCP-8081-04(14),MCP-BNEXT-04(14)
L0907829-09A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-09B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-09C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-09D	Amber 100ml unpreserved	A	N/A	2.1 c	Y	Absent	MCP-BA-6010T(180),MCP-AS-6010T(180),TS(7),MCP-PB-6010T(180),MCP-AG-6010T(180),MCP-SE-6010T(180),MCP-7471T(28),MCP-CD-6010T(180),MCP-CR-6010T(180)
L0907829-09E	Amber 250ml unpreserved	A	N/A	2.1 c	Y	Absent	EPH-DELUX-04(14),MCP-8081-04(14),MCP-BNEXT-04(14)
L0907829-10A	Vial MeOH preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-10B	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-10C	Vial water preserved	A	N/A	2.1 c	Y	Absent	MCP-8260HLW(14)
L0907829-10D	Amber 100ml unpreserved	A	N/A	2.1 c	Y	Absent	TS(7),MCP-BNEXT-04(14)

*Hold days indicated by values in parentheses

Project Name:	TRANSLOAD AMERICA	**Lab Number:**	L0907829
Project Number:	218390	**Report Date:**	06/26/09

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.
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.
ND	- Not detected at the reported detection limit for the sample.
NI	- Not Ignitable.
RDL	- Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

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

Data Qualifiers

*****	- The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)
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.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
E	- Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H	- The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
N	- The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)
P	- The RPD between the results for the two columns exceeds the method-specified criteria.
R	- Analytical results are from sample re-analysis.
RE	- Analytical results are from sample re-extraction.
J	- Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name:	TRANSLOAD AMERICA	**Lab Number:**	L0907829
Project Number:	218390	**Report Date:**	06/26/09

REFERENCES

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

60 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). May 2004.

61 Method for the Determination of Extractable Petroleum Hydrocarbons (EPH). Massachusetts Department of Environmental Protection, DEA/ORS/BWSC. May 2004, Revision 1.1.

64 Quality Assurance and Quality Control Requirements and Performance Standards for SW-846 Methods. MADEP BWSC. WSC-CAM-IIA (Revision 4), WSC-CAM-V C (Revision 2), WSC-CAM-IIIA (Revision 5). August 2004.

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 Woods Hole Labs 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 Woods Hole Labs.

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 June 24, 2009 - Westboro Facility

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

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

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 1312, 3540C, 3545, 3550B, 3580A, 5035L, 5035H, NJ OQA-QAM-025 Rev.7.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

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

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

Utah Department of Health Certificate/Lab ID: AAMA. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: Chloride EPA 300.0)

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/12/09

ALPHA Job #: L0907529

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Woodard + Curran
Address: 980 Washington St Dedham MA
Phone:
Fax:
Email: dclinton@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Transload America
Project Location: Holbrook MA
Project #: 218390
Project Manager: C. Blake
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 6/19 Time:

Report Information - Data Deliverables

☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

~~Same~~ as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP Criteria: S-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO-

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

S-1

ANALYSIS: SVOC 8270 | VOC 8260 High + low | TRPH | MCP 8 Metals | EPH(D) | Pesticides (RCRA 8081)

SAMPLE HANDLING

Filtration
☐ Done
☑ ~~Not~~ needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	SVOC 8270	VOC 8260 High + low	TRPH	MCP 8 Metals	EPH(D)	Pesticides (RCRA 8081)	Sample Specific Comments	TOTAL # BOTTLES
7529.1	B-4 (6-6')	6/8/09	0900	SO	DC	X			X	X			
2	B-4 (6-10')		0945			X		X	X				
3	B-2 (0-6')		1300				X			X			
4	B-2 (6-10')		1330				X						
5	B-5 (0-6')		1515			X	X		X	X			
6	B-5 (6-10')	6/9/09	0830			X	X		X			*VOC high analysis only (X)	
7	SAB-1 (0-4')		1145					X					
8	SAB-~~3~~ (0-6')	6/11/09				X	X			X			
9	B-1 (0-6')		11:50			X	X	X	X	X			
10	SAB-2 (0-6')		14:30			X	X						

Container Type	A	V	A							
Preservative	A	F	A							

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	6/12/09 1345	Dan Sands	6/12/09 1345
Dan Sands	6/12/09 1645	[illegible]	6/12 1615

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

06260916:23

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 06/15/09 | ALPHA Job #: L0907829

Client Information
Client: Woodard + Curran
Address: 980 Washington St Dedham MA
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information
Project Name: Trans Load America
Project Location: Holbrook MA
Project #: 218390
Project Manager: C. Blake
ALPHA Quote #:

Turn-Around Time
☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 06-19-09 Time:

Report Information - Data Deliverables
☐ FAX ☐ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information
☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program	Criteria
MCP	S-1

MA MCP PRESUMPTIVE CERTAINTY -- CT REASONABLE CONFIDENCE PROTO-

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

S-1

ANALYSIS: Total Solids

SAMPLE HANDLING
Filtration
☐ Done
☑ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total # Bottles	Sample Specific Comments
7829-04	B-2 (6-10')	6/15/09	1330	SO	DC	1	Notify T. Hoang of Sampl delivery upon log-in arrival -DC

Container Type	A
Preservative	A

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	6/15/09 1430	Ron Brady	6-15-09 1430
Ron Brady	6-15-09 1630		6-15-09 16:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 14-OCT-07)

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. A

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\090618a.b\06180001.D
Lab Smp Id:
Inj Date : 18-JUN-2009 11:19
Operator : jb Inst ID: Pest11.i
Smp Info : +deg std
Misc Info : wg367160,wg366549,ical4262
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\090618a.b\Pest11a.m
Meth Date : 18-Jun-2009 15:58 jbenson Quant Type: ISTD
Cal Date : 17-JUN-2009 18:14 Cal File: 0617N022.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: EXT-3

	Compounds	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/mL)	CONCENTRATIONS FINAL (ug/mL)	REVIEW CODE
*	1 1-Bromo-2-nitrobenzene	2.039	2.032	(1.000)	21035403	0.02500		
	14 4,4'-DDE	4.547	4.537	(2.230)	844749	8e-004	0.000848	
	17 Endrin	4.946	4.936	(2.425)	48469932	0.04560	0.0456	
	18 4,4'-DDD	4.989	4.981	(2.446)	2557225	0.00288	0.00288	
	20 4,4'-DDT	5.187	5.179	(2.544)	40627139	0.04911	0.0491	
	21 Endrin Aldehyde	5.399	5.391	(2.647)	2910048	0.00326	0.00326	
	24 Endrin Ketone	5.884	5.876	(2.885)	5000874	0.00459	0.00459	

DDT Degradation Percent = 7.727
Endrin Degradataion Percent = 14.03

wg367033-1,2,3

1090721-01

1090729-01,2,3,5,8,9

Acid

Alpha Analytical Labs

GC Semi - HP6890 Pest Ch. B

Data file : \\Orgserv1\ee\chem\GCEXT\Pest11.i\090618b.b\06180001.D
Lab Smp Id:
Inj Date : 18-JUN-2009 11:19
Operator : jb Inst ID: Pest11.i
Smp Info : +deg std
Misc Info : wg367160,wg366549,ical4263
Comment : Low Level ICAL - Ultrafast method
Method : \\Orgserv1\ee\chem\GCEXT\Pest11.i\090618b.b\Pest11b.m
Meth Date : 18-Jun-2009 15:58 jbenson Quant Type: ISTD
Cal Date : 17-JUN-2009 18:14 Cal File: 0617N022.D
Als bottle: 1 QC Sample: degradation
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 4.12
Processing Host: EXT-3

						CONCENTRATIONS ON-COLUMN (ug/mL)	FINAL (ug/mL)	REVIEW CODE
Compounds		RT	EXP RT	REL RT	RESPONSE			
*	1 1-Bromo-2-nitrobenzene	2.139	2.137	(1.000)	33788264	0.02500		
	14 4,4'-DDE	5.029	5.027	(2.351)	1018642	0.00072	0.000720	
	17 Endrin	5.379	5.377	(2.514)	43396217	0.03955	0.0395	
	18 4,4'-DDD	5.441	5.439	(2.543)	3569573	0.00365	0.00365	
	20 4,4'-DDT	5.657	5.657	(2.644)	31010815	0.04117	0.0412	
	21 Endrin Aldehyde	5.751	5.749	(2.688)	2206330	0.00244	0.00244	
	24 Endrin Ketone	6.297	6.289	(2.944)	4005698	0.00437	0.00437	

DDT Degradation Percent = 12.89
Endrin Degradataion Percent = 12.52

367033-1, 2, 3
1090821-01
1090829-1, 2, 3, 5, 8, 9

ANALYTICAL REPORT

Lab Number:	L1221962
Client:	Woodard & Curran 980 Washington Street Suite 325 Dedham, MA 02026
ATTN:	Craig Blake
Phone:	(781) 251-0200
Project Name:	TLA-HOLBROOK
Project Number:	225604
Report Date:	12/12/12

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: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), USDA (Permit #P-330-11-00240), NC (666), TX (T104704476), DOD (L2217), US Army Corps of Engineers.

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

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1221962-01	MW-6	HOLBROOK	12/04/12 10:05
L1221962-02	MW-5	HOLBROOK	12/04/12 11:25
L1221962-03	M-7T/WB	HOLBROOK	12/04/12 11:30
L1221962-04	M-7SD	HOLBROOK	12/04/12 12:28
L1221962-05	MW-3	HOLBROOK	12/04/12 12:55
L1221962-06	MW-2	HOLBROOK	12/04/12 14:20
L1221962-07	MW-1	HOLBROOK	12/04/12 15:18
L1221962-08	TB-01	HOLBROOK	12/04/12 00:00

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

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).	N/A
E b.	APH and TO-15 Methods only: Was the complete analyte list reported for each method?	N/A
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	YES

A response to questions G, H and I is required for "Presumptive Certainty" status		
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	NO
H	Were all QC performance standards specified in the CAM protocol(s) achieved?	NO
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s)?	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: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

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: TLA-HOLBROOK **Lab Number:** L1221962
Project Number: 225604 **Report Date:** 12/12/12

Case Narrative (continued)

MCP Related Narratives

Sample Receipt

The samples were field filtered for Dissolved Metals.

Volatile Organics

In reference to question G:

One or more of the target analytes did not achieve the requested CAM reporting limits.

In reference to question H:

The initial calibration, associated with L1221962-01 through -08, did not meet the method required minimum response factor on the lowest calibration standard for 1,4-Dioxane (0.00308), as well as the average response factor for 1,4-Dioxane.

The continuing calibration standard, associated with L1221962-01 through -08, is outside the acceptance criteria for several compounds; however, it is within overall method allowances. A copy of the continuing calibration standard is included as an addendum to this report.

Dissolved Metals

In reference to question I:

All samples were analyzed for a subset of MCP elements per the Chain of Custody.

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

Authorized Signature: Cynthia McQueen

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

ORGANICS

VOLATILES

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-01
Client ID: MW-6
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/09/12 22:33
Analyst: MM

Date Collected: 12/04/12 10:05
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
Methylene chloride	ND		ug/l	2.0	--	1
1,1-Dichloroethane	ND		ug/l	1.0	--	1
Chloroform	ND		ug/l	1.0	--	1
Carbon tetrachloride	ND		ug/l	1.0	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	1.0	--	1
1,1,2-Trichloroethane	ND		ug/l	1.0	--	1
Tetrachloroethene	ND		ug/l	1.0	--	1
Chlorobenzene	ND		ug/l	1.0	--	1
Trichlorofluoromethane	ND		ug/l	2.0	--	1
1,2-Dichloroethane	ND		ug/l	1.0	--	1
1,1,1-Trichloroethane	ND		ug/l	1.0	--	1
Bromodichloromethane	ND		ug/l	1.0	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
1,1-Dichloropropene	ND		ug/l	2.0	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	1.0	--	1
Ethylbenzene	ND		ug/l	1.0	--	1
Chloromethane	ND		ug/l	2.0	--	1
Bromomethane	ND		ug/l	2.0	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.0	--	1
1,1-Dichloroethene	ND		ug/l	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/l	1.0	--	1
Trichloroethene	3.0		ug/l	1.0	--	1
1,2-Dichlorobenzene	ND		ug/l	1.0	--	1
1,3-Dichlorobenzene	ND		ug/l	1.0	--	1
1,4-Dichlorobenzene	ND		ug/l	1.0	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-01 Date Collected: 12/04/12 10:05

Client ID: MW-6 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-01 Date Collected: 12/04/12 10:05

Client ID: MW-6 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-02
Client ID: MW-5
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/09/12 23:06
Analyst: MM

Date Collected: 12/04/12 11:25
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-02 Date Collected: 12/04/12 11:25

Client ID: MW-5 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-02 Date Collected: 12/04/12 11:25

Client ID: MW-5 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-03
Client ID: M-7T/WB
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/09/12 23:38
Analyst: MM

Date Collected: 12/04/12 11:30
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-03 Date Collected: 12/04/12 11:30

Client ID: M-7T/WB Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-03 Date Collected: 12/04/12 11:30

Client ID: M-7T/WB Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-04
Client ID: M-7SD
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/10/12 00:11
Analyst: MM

Date Collected: 12/04/12 12:28
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-04 Date Collected: 12/04/12 12:28

Client ID: M-7SD Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-04 Date Collected: 12/04/12 12:28

Client ID: M-7SD Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-05
Client ID: MW-3
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/10/12 00:44
Analyst: MM

Date Collected: 12/04/12 12:55
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-05 Date Collected: 12/04/12 12:55

Client ID: MW-3 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-05 Date Collected: 12/04/12 12:55

Client ID: MW-3 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-06
Client ID: MW-2
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/10/12 01:16
Analyst: MM

Date Collected: 12/04/12 14:20
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-06 Date Collected: 12/04/12 14:20

Client ID: MW-2 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-06 Date Collected: 12/04/12 14:20

Client ID: MW-2 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	93		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-07
Client ID: MW-1
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/10/12 01:49
Analyst: MM

Date Collected: 12/04/12 15:18
Date Received: 12/05/12
Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-07 Date Collected: 12/04/12 15:18

Client ID: MW-1 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-07 Date Collected: 12/04/12 15:18

Client ID: MW-1 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-08
Client ID: TB-01
Sample Location: HOLBROOK
Matrix: Water
Analytical Method: 97,8260C
Analytical Date: 12/10/12 02:21
Analyst: MM

Date Collected: 12/04/12 00:00
Date Received: 12/05/12
Field Prep: Not Specified

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-08 Date Collected: 12/04/12 00:00

Client ID: TB-01 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: Not Specified

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

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-08 Date Collected: 12/04/12 00:00

Client ID: TB-01 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Volatile Organics - Westborough Lab						
1,4-Dioxane	ND		ug/l	250	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/09/12 17:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG578328-3					
Methylene chloride	ND		ug/l	2.0	--
1,1-Dichloroethane	ND		ug/l	1.0	--
Chloroform	ND		ug/l	1.0	--
Carbon tetrachloride	ND		ug/l	1.0	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	1.0	--
1,1,2-Trichloroethane	ND		ug/l	1.0	--
Tetrachloroethene	ND		ug/l	1.0	--
Chlorobenzene	ND		ug/l	1.0	--
Trichlorofluoromethane	ND		ug/l	2.0	--
1,2-Dichloroethane	ND		ug/l	1.0	--
1,1,1-Trichloroethane	ND		ug/l	1.0	--
Bromodichloromethane	ND		ug/l	1.0	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
1,1-Dichloropropene	ND		ug/l	2.0	--
Bromoform	ND		ug/l	2.0	--
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	1.0	--
Ethylbenzene	ND		ug/l	1.0	--
Chloromethane	ND		ug/l	2.0	--
Bromomethane	ND		ug/l	2.0	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.0	--
1,1-Dichloroethene	ND		ug/l	1.0	--
trans-1,2-Dichloroethene	ND		ug/l	1.0	--
Trichloroethene	ND		ug/l	1.0	--
1,2-Dichlorobenzene	ND		ug/l	1.0	--
1,3-Dichlorobenzene	ND		ug/l	1.0	--
1,4-Dichlorobenzene	ND		ug/l	1.0	--

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/09/12 17:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG578328-3					
Methyl tert butyl ether	ND		ug/l	2.0	--
p/m-Xylene	ND		ug/l	2.0	--
o-Xylene	ND		ug/l	1.0	--
cis-1,2-Dichloroethene	ND		ug/l	1.0	--
Dibromomethane	ND		ug/l	2.0	--
1,2,3-Trichloropropane	ND		ug/l	2.0	--
Styrene	ND		ug/l	1.0	--
Dichlorodifluoromethane	ND		ug/l	2.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	2.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.0	--
Tetrahydrofuran	ND		ug/l	5.0	--
2,2-Dichloropropane	ND		ug/l	2.0	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,3-Dichloropropane	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	1.0	--
Bromobenzene	ND		ug/l	2.0	--
n-Butylbenzene	ND		ug/l	2.0	--
sec-Butylbenzene	ND		ug/l	2.0	--
tert-Butylbenzene	ND		ug/l	2.0	--
o-Chlorotoluene	ND		ug/l	2.0	--
p-Chlorotoluene	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.0	--
Hexachlorobutadiene	ND		ug/l	0.60	--
Isopropylbenzene	ND		ug/l	2.0	--
p-Isopropyltoluene	ND		ug/l	2.0	--
Naphthalene	ND		ug/l	2.0	--
n-Propylbenzene	ND		ug/l	2.0	--

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8260C
Analytical Date: 12/09/12 17:07
Analyst: MM

Parameter	Result	Qualifier	Units	RL	MDL
MCP Volatile Organics - Westborough Lab for sample(s): 01-08 Batch: WG578328-3					
1,2,3-Trichlorobenzene	ND		ug/l	2.0	--
1,2,4-Trichlorobenzene	ND		ug/l	2.0	--
1,3,5-Trimethylbenzene	ND		ug/l	2.0	--
1,2,4-Trimethylbenzene	ND		ug/l	2.0	--
Ethyl ether	ND		ug/l	2.0	--
Isopropyl Ether	ND		ug/l	2.0	--
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.0	--
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	--
1,4-Dioxane	ND		ug/l	250	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG578328-1 WG578328-2								
Methylene chloride	91		92		70-130	1		20
1,1-Dichloroethane	89		88		70-130	1		20
Chloroform	88		88		70-130	0		20
Carbon tetrachloride	86		89		70-130	3		20
1,2-Dichloropropane	88		93		70-130	6		20
Dibromochloromethane	90		113		70-130	**23**	Q	20
1,1,2-Trichloroethane	93		125		70-130	**29**	Q	20
Tetrachloroethene	100		118		70-130	17		20
Chlorobenzene	99		112		70-130	12		20
Trichlorofluoromethane	92		90		70-130	2		20
1,2-Dichloroethane	87		89		70-130	2		20
1,1,1-Trichloroethane	88		90		70-130	2		20
Bromodichloromethane	84		90		70-130	7		20
trans-1,3-Dichloropropene	94		118		70-130	**23**	Q	20
cis-1,3-Dichloropropene	88		98		70-130	11		20
1,1-Dichloropropene	89		93		70-130	4		20
Bromoform	96		122		70-130	**24**	Q	20
1,1,2,2-Tetrachloroethane	92		**131**	Q	70-130	**35**	Q	20
Benzene	89		93		70-130	4		20
Toluene	96		109		70-130	13		20
Ethylbenzene	98		110		70-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG578328-1 WG578328-2								
Chloromethane	80		**68**	Q	70-130	16		20
Bromomethane	94		76		70-130	**21**	Q	20
Vinyl chloride	88		84		70-130	5		20
Chloroethane	98		92		70-130	6		20
1,1-Dichloroethene	90		89		70-130	1		20
trans-1,2-Dichloroethene	91		89		70-130	2		20
Trichloroethene	93		100		70-130	7		20
1,2-Dichlorobenzene	105		120		70-130	13		20
1,3-Dichlorobenzene	106		121		70-130	13		20
1,4-Dichlorobenzene	108		118		70-130	9		20
Methyl tert butyl ether	82		104		70-130	**24**	Q	20
p/m-Xylene	99		109		70-130	10		20
o-Xylene	102		112		70-130	9		20
cis-1,2-Dichloroethene	90		87		70-130	3		20
Dibromomethane	86		91		70-130	6		20
1,2,3-Trichloropropane	94		129		70-130	**31**	Q	20
Styrene	100		112		70-130	11		20
Dichlorodifluoromethane	90		84		70-130	7		20
Acetone	71		97		70-130	**31**	Q	20
Carbon disulfide	90		82		70-130	9		20
2-Butanone	79		104		70-130	**27**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG578328-1 WG578328-2								
4-Methyl-2-pentanone	76		114		70-130	**40**	Q	20
2-Hexanone	81		127		70-130	**44**	Q	20
Bromochloromethane	94		94		70-130	0		20
Tetrahydrofuran	74		101		70-130	**31**	Q	20
2,2-Dichloropropane	94		94		70-130	0		20
1,2-Dibromoethane	92		114		70-130	**21**	Q	20
1,3-Dichloropropane	90		115		70-130	**24**	Q	20
1,1,1,2-Tetrachloroethane	96		116		70-130	19		20
Bromobenzene	103		118		70-130	14		20
n-Butylbenzene	107		113		70-130	5		20
sec-Butylbenzene	107		114		70-130	6		20
tert-Butylbenzene	105		118		70-130	12		20
o-Chlorotoluene	108		119		70-130	10		20
p-Chlorotoluene	107		117		70-130	9		20
1,2-Dibromo-3-chloropropane	84		106		70-130	**23**	Q	20
Hexachlorobutadiene	124		103		70-130	19		20
Isopropylbenzene	100		112		70-130	11		20
p-Isopropyltoluene	109		116		70-130	6		20
Naphthalene	85		103		70-130	19		20
n-Propylbenzene	107		120		70-130	11		20
1,2,3-Trichlorobenzene	102		109		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Volatile Organics - Westborough Lab Associated sample(s): 01-08 Batch: WG578328-1 WG578328-2								
1,2,4-Trichlorobenzene	101		108		70-130	7		20
1,3,5-Trimethylbenzene	110		123		70-130	11		20
1,2,4-Trimethylbenzene	108		118		70-130	9		20
Ethyl ether	84		98		70-130	15		20
Isopropyl Ether	84		99		70-130	16		20
Ethyl-Tert-Butyl-Ether	83		104		70-130	**22**	Q	20
Tertiary-Amyl Methyl Ether	82		108		70-130	**27**	Q	20
1,4-Dioxane	83		102		70-130	**21**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		92		70-130
Toluene-d8	106		111		70-130
4-Bromofluorobenzene	96		103		70-130
Dibromofluoromethane	100		92		70-130

SEMIVOLATILES

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-01	Date Collected:	12/04/12 10:05
Client ID:	MW-6	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 13:43		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-01 Date Collected: 12/04/12 10:05

Client ID: MW-6 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		15-110
Phenol-d6	25		15-110
Nitrobenzene-d5	56		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	67		15-110
4-Terphenyl-d14	66		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-01	Date Collected:	12/04/12 10:05
Client ID:	MW-6	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 17:19		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		15-110
Phenol-d6	24		15-110
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	66		30-130
2,4,6-Tribromophenol	78		15-110
4-Terphenyl-d14	73		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-02	Date Collected:	12/04/12 11:25
Client ID:	MW-5	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 14:11		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-02 Date Collected: 12/04/12 11:25

Client ID: MW-5 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		15-110
Phenol-d6	22		15-110
Nitrobenzene-d5	49		30-130
2-Fluorobiphenyl	50		30-130
2,4,6-Tribromophenol	71		15-110
4-Terphenyl-d14	70		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-02	Date Collected:	12/04/12 11:25
Client ID:	MW-5	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 17:51		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	0.21		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		15-110
Phenol-d6	21		15-110
Nitrobenzene-d5	49		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	80		15-110
4-Terphenyl-d14	68		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-03	Date Collected:	12/04/12 11:30
Client ID:	M-7T/WB	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 14:38		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-03 Date Collected: 12/04/12 11:30

Client ID: M-7T/WB Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		15-110
Phenol-d6	25		15-110
Nitrobenzene-d5	57		30-130
2-Fluorobiphenyl	56		30-130
2,4,6-Tribromophenol	75		15-110
4-Terphenyl-d14	77		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-03	Date Collected:	12/04/12 11:30
Client ID:	M-7T/WB	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 18:24		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		15-110
Phenol-d6	24		15-110
Nitrobenzene-d5	58		30-130
2-Fluorobiphenyl	64		30-130
2,4,6-Tribromophenol	83		15-110
4-Terphenyl-d14	78		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-04	Date Collected:	12/04/12 12:28
Client ID:	M-7SD	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 15:06		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-04 Date Collected: 12/04/12 12:28

Client ID: M-7SD Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		15-110
Phenol-d6	24		15-110
Nitrobenzene-d5	53		30-130
2-Fluorobiphenyl	53		30-130
2,4,6-Tribromophenol	69		15-110
4-Terphenyl-d14	73		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-04	Date Collected:	12/04/12 12:28
Client ID:	M-7SD	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 18:57		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		15-110
Phenol-d6	23		15-110
Nitrobenzene-d5	54		30-130
2-Fluorobiphenyl	61		30-130
2,4,6-Tribromophenol	75		15-110
4-Terphenyl-d14	74		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-05	Date Collected:	12/04/12 12:55
Client ID:	MW-3	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 15:33		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-05 Date Collected: 12/04/12 12:55

Client ID: MW-3 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		15-110
Phenol-d6	25		15-110
Nitrobenzene-d5	55		30-130
2-Fluorobiphenyl	56		30-130
2,4,6-Tribromophenol	70		15-110
4-Terphenyl-d14	75		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-05	Date Collected:	12/04/12 12:55
Client ID:	MW-3	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 19:29		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		15-110
Phenol-d6	25		15-110
Nitrobenzene-d5	60		30-130
2-Fluorobiphenyl	68		30-130
2,4,6-Tribromophenol	84		15-110
4-Terphenyl-d14	81		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-06	Date Collected:	12/04/12 14:20
Client ID:	MW-2	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 16:01		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-06 Date Collected: 12/04/12 14:20

Client ID: MW-2 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		15-110
Phenol-d6	18		15-110
Nitrobenzene-d5	36		30-130
2-Fluorobiphenyl	39		30-130
2,4,6-Tribromophenol	49		15-110
4-Terphenyl-d14	66		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-06	Date Collected:	12/04/12 14:20
Client ID:	MW-2	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 20:01		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		15-110
Phenol-d6	18		15-110
Nitrobenzene-d5	38		30-130
2-Fluorobiphenyl	43		30-130
2,4,6-Tribromophenol	53		15-110
4-Terphenyl-d14	64		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-07	Date Collected:	12/04/12 15:18
Client ID:	MW-1	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D	Extraction Date:	12/06/12 00:54
Analytical Date:	12/07/12 16:28		
Analyst:	JB		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--	1
1,2-Dichlorobenzene	ND		ug/l	2.0	--	1
1,3-Dichlorobenzene	ND		ug/l	2.0	--	1
1,4-Dichlorobenzene	ND		ug/l	2.0	--	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--	1
2,4-Dinitrotoluene	ND		ug/l	5.0	--	1
2,6-Dinitrotoluene	ND		ug/l	5.0	--	1
Azobenzene	ND		ug/l	2.0	--	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--	1
Isophorone	ND		ug/l	5.0	--	1
Nitrobenzene	ND		ug/l	2.0	--	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--	1
Butyl benzyl phthalate	ND		ug/l	5.0	--	1
Di-n-butylphthalate	ND		ug/l	5.0	--	1
Di-n-octylphthalate	ND		ug/l	5.0	--	1
Diethyl phthalate	ND		ug/l	5.0	--	1
Dimethyl phthalate	ND		ug/l	5.0	--	1
Aniline	ND		ug/l	2.0	--	1
4-Chloroaniline	ND		ug/l	5.0	--	1
Dibenzofuran	ND		ug/l	2.0	--	1
Acetophenone	ND		ug/l	5.0	--	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	--	1
2-Chlorophenol	ND		ug/l	2.0	--	1
2,4-Dichlorophenol	ND		ug/l	5.0	--	1
2,4-Dimethylphenol	ND		ug/l	5.0	--	1
2-Nitrophenol	ND		ug/l	10	--	1
4-Nitrophenol	ND		ug/l	10	--	1
2,4-Dinitrophenol	ND		ug/l	20	--	1

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-07 Date Collected: 12/04/12 15:18

Client ID: MW-1 Date Received: 12/05/12

Sample Location: HOLBROOK Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics - Westborough Lab						
Phenol	ND		ug/l	5.0	--	1
2-Methylphenol	ND		ug/l	5.0	--	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	34		15-110
Phenol-d6	22		15-110
Nitrobenzene-d5	54		30-130
2-Fluorobiphenyl	57		30-130
2,4,6-Tribromophenol	70		15-110
4-Terphenyl-d14	69		30-130

Project Name: TLA-HOLBROOK **Lab Number:** L1221962

Project Number: 225604 **Report Date:** 12/12/12

SAMPLE RESULTS

Lab ID:	L1221962-07	Date Collected:	12/04/12 15:18
Client ID:	MW-1	Date Received:	12/05/12
Sample Location:	HOLBROOK	Field Prep:	See Narrative
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	97,8270D-SIM	Extraction Date:	12/06/12 00:48
Analytical Date:	12/06/12 20:32		
Analyst:	AS		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
MCP Semivolatile Organics by SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	--	1
2-Chloronaphthalene	ND		ug/l	0.20	--	1
Fluoranthene	ND		ug/l	0.20	--	1
Hexachlorobutadiene	ND		ug/l	0.50	--	1
Naphthalene	ND		ug/l	0.20	--	1
Benzo(a)anthracene	ND		ug/l	0.20	--	1
Benzo(a)pyrene	ND		ug/l	0.20	--	1
Benzo(b)fluoranthene	ND		ug/l	0.20	--	1
Benzo(k)fluoranthene	ND		ug/l	0.20	--	1
Chrysene	ND		ug/l	0.20	--	1
Acenaphthylene	ND		ug/l	0.20	--	1
Anthracene	ND		ug/l	0.20	--	1
Benzo(ghi)perylene	ND		ug/l	0.20	--	1
Fluorene	ND		ug/l	0.20	--	1
Phenanthrene	ND		ug/l	0.20	--	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--	1
Pyrene	ND		ug/l	0.20	--	1
2-Methylnaphthalene	ND		ug/l	0.20	--	1
Pentachlorophenol	ND		ug/l	0.80	--	1
Hexachlorobenzene	ND		ug/l	0.80	--	1
Hexachloroethane	ND		ug/l	0.80	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		15-110
Phenol-d6	23		15-110
Nitrobenzene-d5	59		30-130
2-Fluorobiphenyl	67		30-130
2,4,6-Tribromophenol	83		15-110
4-Terphenyl-d14	70		30-130

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D-SIM
Analytical Date: 12/06/12 15:05
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/06/12 00:48

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01-07 Batch: WG577659-1					
Acenaphthene	ND		ug/l	0.20	--
2-Chloronaphthalene	ND		ug/l	0.20	--
Fluoranthene	ND		ug/l	0.20	--
Hexachlorobutadiene	ND		ug/l	0.50	--
Naphthalene	ND		ug/l	0.20	--
Benzo(a)anthracene	ND		ug/l	0.20	--
Benzo(a)pyrene	ND		ug/l	0.20	--
Benzo(b)fluoranthene	ND		ug/l	0.20	--
Benzo(k)fluoranthene	ND		ug/l	0.20	--
Chrysene	ND		ug/l	0.20	--
Acenaphthylene	ND		ug/l	0.20	--
Anthracene	ND		ug/l	0.20	--
Benzo(ghi)perylene	ND		ug/l	0.20	--
Fluorene	ND		ug/l	0.20	--
Phenanthrene	ND		ug/l	0.20	--
Dibenzo(a,h)anthracene	ND		ug/l	0.20	--
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	--
Pyrene	ND		ug/l	0.20	--
2-Methylnaphthalene	ND		ug/l	0.20	--
Pentachlorophenol	ND		ug/l	0.80	--
Hexachlorobenzene	ND		ug/l	0.80	--
Hexachloroethane	ND		ug/l	0.80	--

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D-SIM
Analytical Date: 12/06/12 15:05
Analyst: AS

Extraction Method: EPA 3510C
Extraction Date: 12/06/12 00:48

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics by SIM - Westborough Lab for sample(s): 01-07 Batch: WG577659-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	33		15-110
Phenol-d6	23		15-110
Nitrobenzene-d5	54		30-130
2-Fluorobiphenyl	56		30-130
2,4,6-Tribromophenol	69		15-110
4-Terphenyl-d14	78		30-130

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 12/07/12 12:48
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 12/06/12 00:54

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG577660-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	--
Bis(2-chloroethyl)ether	ND		ug/l	2.0	--
1,2-Dichlorobenzene	ND		ug/l	2.0	--
1,3-Dichlorobenzene	ND		ug/l	2.0	--
1,4-Dichlorobenzene	ND		ug/l	2.0	--
3,3'-Dichlorobenzidine	ND		ug/l	5.0	--
2,4-Dinitrotoluene	ND		ug/l	5.0	--
2,6-Dinitrotoluene	ND		ug/l	5.0	--
Azobenzene	ND		ug/l	2.0	--
4-Bromophenyl phenyl ether	ND		ug/l	2.0	--
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	--
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	--
Isophorone	ND		ug/l	5.0	--
Nitrobenzene	ND		ug/l	2.0	--
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	--
Butyl benzyl phthalate	ND		ug/l	5.0	--
Di-n-butylphthalate	ND		ug/l	5.0	--
Di-n-octylphthalate	ND		ug/l	5.0	--
Diethyl phthalate	ND		ug/l	5.0	--
Dimethyl phthalate	ND		ug/l	5.0	--
Aniline	ND		ug/l	2.0	--
4-Chloroaniline	ND		ug/l	5.0	--
Dibenzofuran	ND		ug/l	2.0	--
Acetophenone	ND		ug/l	5.0	--
2,4,6-Trichlorophenol	ND		ug/l	5.0	--
2-Chlorophenol	ND		ug/l	2.0	--
2,4-Dichlorophenol	ND		ug/l	5.0	--
2,4-Dimethylphenol	ND		ug/l	5.0	--
2-Nitrophenol	ND		ug/l	10	--
4-Nitrophenol	ND		ug/l	10	--
2,4-Dinitrophenol	ND		ug/l	20	--

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Analytical Method: 97,8270D
Analytical Date: 12/07/12 12:48
Analyst: JB

Extraction Method: EPA 3510C
Extraction Date: 12/06/12 00:54

Parameter	Result	Qualifier	Units	RL	MDL
MCP Semivolatile Organics - Westborough Lab for sample(s): 01-07 Batch: WG577660-1					
Phenol	ND		ug/l	5.0	--
2-Methylphenol	ND		ug/l	5.0	--
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	--
2,4,5-Trichlorophenol	ND		ug/l	5.0	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	36		15-110
Phenol-d6	23		15-110
Nitrobenzene-d5	51		30-130
2-Fluorobiphenyl	49		30-130
2,4,6-Tribromophenol	64		15-110
4-Terphenyl-d14	73		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG577659-2 WG577659-3								
Acenaphthene	62		66		40-140	6		20
2-Chloronaphthalene	60		67		40-140	11		20
Fluoranthene	80		87		40-140	8		20
Hexachlorobutadiene	55		62		40-140	12		20
Naphthalene	56		64		40-140	13		20
Benzo(a)anthracene	79		83		40-140	5		20
Benzo(a)pyrene	70		74		40-140	6		20
Benzo(b)fluoranthene	78		73		40-140	7		20
Benzo(k)fluoranthene	73		94		40-140	**25**	Q	20
Chrysene	70		71		40-140	1		20
Acenaphthylene	70		76		40-140	8		20
Anthracene	75		82		40-140	9		20
Benzo(ghi)perylene	77		83		40-140	8		20
Fluorene	74		81		40-140	9		20
Phenanthrene	65		70		40-140	7		20
Dibenzo(a,h)anthracene	75		81		40-140	8		20
Indeno(1,2,3-cd)Pyrene	77		82		40-140	6		20
Pyrene	76		82		40-140	8		20
2-Methylnaphthalene	57		66		40-140	15		20
Pentachlorophenol	73		78		30-130	7		20
Hexachlorobenzene	73		77		40-140	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics by SIM - Westborough Lab Associated sample(s): 01-07 Batch: WG577659-2 WG577659-3								
Hexachloroethane	56		63		40-140	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		48		15-110
Phenol-d6	31		33		15-110
Nitrobenzene-d5	63		71		30-130
2-Fluorobiphenyl	64		69		30-130
2,4,6-Tribromophenol	87		90		15-110
4-Terphenyl-d14	81		88		30-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG577660-2 WG577660-3								
1,2,4-Trichlorobenzene	55		52		40-140	6		20
Bis(2-chloroethyl)ether	58		66		40-140	13		20
1,2-Dichlorobenzene	48		51		40-140	6		20
1,3-Dichlorobenzene	46		48		40-140	4		20
1,4-Dichlorobenzene	47		50		40-140	6		20
3,3'-Dichlorobenzidine	69		66		40-140	4		20
2,4-Dinitrotoluene	89		84		40-140	6		20
2,6-Dinitrotoluene	88		78		40-140	12		20
Azobenzene	80		79		40-140	1		20
4-Bromophenyl phenyl ether	89		81		40-140	9		20
Bis(2-chloroisopropyl)ether	57		61		40-140	7		20
Bis(2-chloroethoxy)methane	62		69		40-140	11		20
Isophorone	71		69		40-140	3		20
Nitrobenzene	66		70		40-140	6		20
Bis(2-Ethylhexyl)phthalate	79		81		40-140	3		20
Butyl benzyl phthalate	86		83		40-140	4		20
Di-n-butylphthalate	92		86		40-140	7		20
Di-n-octylphthalate	89		83		40-140	7		20
Diethyl phthalate	90		82		40-140	9		20
Dimethyl phthalate	85		81		40-140	5		20
Aniline	**31**	Q	**26**	Q	40-140	18		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG577660-2 WG577660-3								
4-Chloroaniline	73		43		40-140	**52**	Q	20
Dibenzofuran	74		76		40-140	3		20
Acetophenone	76		71		40-140	7		20
2,4,6-Trichlorophenol	96		81		30-130	17		20
2-Chlorophenol	70		69		30-130	1		20
2,4-Dichlorophenol	86		80		30-130	7		20
2,4-Dimethylphenol	65		65		30-130	0		20
2-Nitrophenol	72		70		30-130	3		20
4-Nitrophenol	47		49		30-130	4		20
2,4-Dinitrophenol	74		64		30-130	14		20
Phenol	33		34		30-130	3		20
2-Methylphenol	64		62		30-130	3		20
3-Methylphenol/4-Methylphenol	59		60		30-130	2		20
2,4,5-Trichlorophenol	89		83		30-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Semivolatile Organics - Westborough Lab Associated sample(s): 01-07 Batch: WG577660-2 WG577660-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		52		15-110
Phenol-d6	35		36		15-110
Nitrobenzene-d5	77		70		30-130
2-Fluorobiphenyl	76		73		30-130
2,4,6-Tribromophenol	108		97		15-110
4-Terphenyl-d14	95		86		30-130

METALS

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-01
Client ID: MW-6
Sample Location: HOLBROOK
Matrix: Water
Date Collected: 12/04/12 10:05
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Barium, Dissolved	0.068		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:15	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:43	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-02
Client ID: MW-5
Sample Location: HOLBROOK
Matrix: Water

Date Collected: 12/04/12 11:25
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Barium, Dissolved	0.073		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:17	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:46	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-03
Client ID: M-7T/WB
Sample Location: HOLBROOK
Matrix: Water

Date Collected: 12/04/12 11:30
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Barium, Dissolved	0.081		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:19	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:50	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-04
Client ID: M-7SD
Sample Location: HOLBROOK
Matrix: Water
Date Collected: 12/04/12 12:28
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Barium, Dissolved	0.085		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:20	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:53	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-05
Client ID: MW-3
Sample Location: HOLBROOK
Matrix: Water
Date Collected: 12/04/12 12:55
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Barium, Dissolved	0.057		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Chromium, Dissolved	0.02		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:22	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:57	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-06
Client ID: MW-2
Sample Location: HOLBROOK
Matrix: Water
Date Collected: 12/04/12 14:20
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Barium, Dissolved	0.061		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:24	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 20:00	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Lab Number: L1221962
Project Number: 225604
Report Date: 12/12/12

SAMPLE RESULTS

Lab ID: L1221962-07
Client ID: MW-1
Sample Location: HOLBROOK
Matrix: Water
Date Collected: 12/04/12 15:18
Date Received: 12/05/12
Field Prep: See Narrative

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab											
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Barium, Dissolved	0.069		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:26	EPA 7470A	97,7470A	JH
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 20:04	NA	97,6010C	KL

Project Name: TLA-HOLBROOK
Project Number: 225604
Lab Number: L1221962
Report Date: 12/12/12

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-07 Batch: WG577854-1										
Mercury, Dissolved	ND		mg/l	0.0002	--	1	12/06/12 16:21	12/06/12 21:01	97,7470A	JH

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
MCP Dissolved Metals - Westborough Lab for sample(s): 01-07 Batch: WG578106-1										
Arsenic, Dissolved	ND		mg/l	0.005	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Barium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Cadmium, Dissolved	ND		mg/l	0.004	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Chromium, Dissolved	ND		mg/l	0.01	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Lead, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Selenium, Dissolved	ND		mg/l	0.010	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL
Silver, Dissolved	ND		mg/l	0.007	--	1	12/07/12 13:51	12/07/12 19:11	97,6010C	KL

Prep Information

Digestion Method: NA

Lab Control Sample Analysis

Batch Quality Control

Project Name: TLA-HOLBROOK

Project Number: 225604

Lab Number: L1221962

Report Date: 12/12/12

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG577854-2 WG577854-3								
Mercury, Dissolved	83		82		80-120	1		20
MCP Dissolved Metals - Westborough Lab Associated sample(s): 01-07 Batch: WG578106-2 WG578106-3								
Arsenic, Dissolved	113		112		80-120	1		20
Barium, Dissolved	104		102		80-120	2		20
Cadmium, Dissolved	111		110		80-120	1		20
Chromium, Dissolved	105		100		80-120	5		20
Lead, Dissolved	109		107		80-120	2		20
Selenium, Dissolved	114		112		80-120	2		20
Silver, Dissolved	100		99		80-120	1		20

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221962-01A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-01B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-01C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-01D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-01E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-01F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-02A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-02B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-02C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-02D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-02E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-02F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-03A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-03B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-03C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-03D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)

*Values in parentheses indicate holding time in days

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221962-03E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-03F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-04A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-04B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-04C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-04D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-04E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-04F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-05A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-05B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-05C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-05D	Amber 1000ml unpreserved	A	7	3.7	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-05E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-05F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-06A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-06B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-06C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-06D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-06E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)

*Values in parentheses indicate holding time in days

Project Name: TLA-HOLBROOK
Project Number: 225604

Lab Number: L1221962
Report Date: 12/12/12

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1221962-06F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-07A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-07B	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-07C	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)
L1221962-07D	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-07E	Amber 1000ml unpreserved	B	7	2.2	Y	Absent	MCP-8270-10(7),MCP-8270SIM-10(7)
L1221962-07F	Plastic 250ml HNO3 preserved	A	<2	3.7	Y	Absent	MCP-CD-6010S-10(180),MCP-7470S-10(28),MCP-AG-6010S-10(180),MCP-AS-6010S-10(180),MCP-CR-6010S-10(180),MCP-BA-6010S-10(180),MCP-PB-6010S-10(180),MCP-SE-6010S-10(180)
L1221962-08A	Vial HCl preserved	A	N/A	3.7	Y	Absent	MCP-8260-10(14)

*Values in parentheses indicate holding time in days

Project Name:	TLA-HOLBROOK	**Lab Number:**	L1221962
Project Number:	225604	**Report Date:**	12/12/12

GLOSSARY

Acronyms

EDL - Estimated 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 EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

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

Report Format: Data Usability Report

Project Name:	TLA-HOLBROOK	**Lab Number:**	L1221962
Project Number:	225604	**Report Date:**	12/12/12

Data Qualifiers

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.

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. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

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

Report Format: Data Usability Report

Project Name:	TLA-HOLBROOK	**Lab Number:**	L1221962
Project Number:	225604	**Report Date:**	12/12/12

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certificate/Approval Program Summary

Last revised August 16, 2012 - Westboro Facility

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

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

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Silver, Sodium, Thallium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP) 504.1, Ethylene Dibromide (EDB) 504.1, 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223, Enumeration and P/A), E. Coli. – Colilert (SM9223, Enumeration and P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform-EC Medium (SM 9221E).

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), E. Coli – Colilert (SM9223 Enumeration), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E), Enterococcus - Enterolert.

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, CT-Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Dalapon, Volatile Organics (SW 8260), Acid Extractables (Phenols) (SW 8270), Benzidines (SW 8270), Phthalates (SW 8270), Nitrosamines (SW 8270), Nitroaromatics & Cyclic Ketones (SW 8270), PAHs (SW 8270), Haloethers (SW 8270), Chlorinated Hydrocarbons (SW 8270).)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 2540C, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, 9010B, 9040B, 9030B, 7470A, 7196A, 2340B, EPA 200.7, 6010B, 200.8, 6020, 245.1, 1311, 1312, 3005A, Enterolert, 9223D, 9222D. Organic Parameters: 608, 624, 625, 8081A, 8082, 8330, 8151A, 8260B, 8270C, 3510C, 3630C, 5030B, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Inorganic Parameters: 9010B, 9012A, 9014A, 9030B, 9040B, 9045C, 6010B, 7471A, 7196A, 9050A, 1010, 1030, 9065, 1311, 1312, 3005A, 3050B. Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH, 8260B, 8270C, 8330, 8151A, 8081A, 8082, 3540C, 3546, 3580A, 3630C, 5030B, 5035.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
*Drinking Water (*Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

*Non-Potable Water (*Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7

for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT,Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B; Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, SW-846 6010B, 6010C, 6020, 6020A, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 350.2, 351.1, 353.2, 410.4, 420.1, 426C, 1664A, SW-846 9010B, 9030B, 9040B, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D, 3060A. Organic Parameters: SW-846 3510C, 3630C, 5030B, 8260B, 8270C, 8270D, 8330, EPA 624, 625, 608, SW-846 8082, 8082A, 8081A, 8081B, 8151A, 8330, 8270C-SIM, 8270D-SIM.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 6010C, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050, 9065,1311, 1312, 3005A, 3050B, 3060A. Organic Parameters: SW-846 3540C, 3546, 3050B, 3580A, 3630C, 5030B, 5035, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, 8151A, 8015B, 8015C, 8082, 8082A, 8081A, 8081B.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.1, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, 2340B, SM4500F-BC, EPA 200.7, 200.8, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, 2540G, EPA 120.1, SM2510B, SM2520B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 7470A, 5540C, SM4500H-B, 4500SO3-B, SM3500Cr-D, 4500CN-CE, EPA 245.1, SW-846 9040B, 3005A, 3015, EPA 6010B, 6010C, 6020, 6020A, 7196A, 3060A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 1,4-Dioxane by NJ Modified 8270, 8015B, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 6010C, 6020, 6020A, 7196A, 3060A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 7471B, 9014, 9012A, 9040B, 9040C, 9045C, 9045D, 9050A, 9065, 9251. Organic Parameters: SW-846 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8330, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 3540C, 3546, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6010C, 6020, 6020A, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, 4500CN-CE, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 3015, 9010B, 9030B. Organic Parameters: EPA 624, 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 625, 608, 8081A, 8081B, 8151A, 8330, 8082, 8082A, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010, 1030, EPA 6010B, 6010C, 7196A, 7471A, 7471B, 9012A, 9014, 9065, 9050A, EPA 1311, 1312, 3005A, 3050B, 9010B, 9040C, 9045D. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8015B, 8015C, 8081A, 8081B, 8151A, 8330, 8082 8082A, 3540C, 3546, 3580, 3580A, 5030B, 5035A-H, 5035A-L.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. (Inorganic Parameters: SM2310B, 2320B, 4500Cl-E, 4500Cn-E, 9014, Lachat 10-204-00-1-X, 1010A, 1030, 4500NO3-F, 353.2, 4500P-E, 4500SO4-E, 300.0, 4500S-D, 5310B, 5310C, 6010C, 6020A, 200.7, 200.8, 3500Cr-B, 7196A, 245.1, 7471A, 7471B, 1311,1312. Organic Parameters: 608, 8081B, 8082A, 624, 8260B, 625, 8270D, 8151A, 8015C, 504.1, MA-EPH, MA-VPH.)

Drinking Water Program Certificate/Lab ID: 25700. (Inorganic Parameters: Chloride EPA 300.0. Organic Parameters: 524.2)

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: 200.7, 200.8, 245.2, 300.0, 332.0, 2120B, 2320B, 2510B, 2540C, 4500-CN-CE, 4500F-C, 4500H+-B, 4500NO3-F, 5310C. Organic Parameters: EPA 524.2, 504.1)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1312, 3005A,3015, 3060A, 200.7, 200.8, 410.4, 1664A, SM2540D, 5210B, 5220D, 4500-P,BE, 245.1, 300.0, 3501., 350.2, 353.2, 420.1, 6010B, 6010C, 6020, 6020A, 7196A, 7470A, 9010B, 9030B, 9040B, Lachat 10-107-06-2-D, NJ-EPH, 2120B, 2310B, 2320B, 2340B, 2510C, 2540B, 2540C, 3500Cr-D, 436C, 4500CN-CE, 4500Cl-E, 4500F-B, 4500F-C, 4500H+-B, 4500NO2-B, 4500NO3-F, 4500S-D, 4500SO3-B, 5310BCD, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 625, 624, 608, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8330, 8015B,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3005A, 3050B, 3060A, 6010B, 6010C, 6020A, 7196A, 7471A, 7471B, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-BH, 9030B, 9038, 9251. Organic Parameters: 3540C, 3546, 3580A, 3630C, 5035, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8260B, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330, NJ-EPH.)

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

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

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

Virginia Division of Consolidated Laboratory Services Certificate/Lab ID: 460195. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: EPA 200.7, 200.8, 300.0, 2510B, 2120B, 2540C, 4500CN-CE, 245.2, 2320B, 4500F-C, 4500F-C, 4500NO3-F, 5310C. Organic Parameters: EPA 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 200.7, 2..08, 245.1, 300.0, 3005A, 3015, 1312, 6010B, 6010C, 3060A, 353.2, 420.1, 6020, 6020A, SM4500S-D, SM4500-CN-CE, Lachat 10-204-00-1-X, 7196A, 7470A, 9010B, 9040B, 2310B, 2320B, 2510B, 2540B, 2540C, 3500Cr-D, 426C, 4500Cl-E, 4500F-B, 4500F-C, 4500PE, 510AC, 5210B, 5310B 5310C, 5540C. Organic Parameters: EPA 3510C, 3630C, 5030B, 8260B, 608, 624, 625, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330,)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1010A, 1030, 3060A, 3050B, 1311, 1312, 6010B, 6010C, 6020, , 7196A, 7471A, 7471B, 6020A, 9030B, 9010B, 9012A, 9014 9040B, 9045C, 9050A, 9065. Organic Parameters: EPA 5035, 3540C, 3546, 3550, 3580, 3630C, 8260B, 8015B, 8015C, 8081A, 8081B, 8082, 8082A, 8151A, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330.)

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

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6010C, 6020, 6020A, 245.1, 245.2, 7470A, 9040B, 9010B, 180.1. 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 4500CL-D, 5220D, 5310C, 2130B, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A, 8082, 8082A, 8081A, 8081B, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 6010C, 7471A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 9012A, 9040B, 9045C, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8260C, 8270C, 8270D, 8270C-SIM, 8270D-SIM, 8330A/B-prep, 8082, 8082A, 8081A, 8081B, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

The following analytes are not included in our current NELAP/TNI Scope of Accreditation:
EPA 8260B: Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline, 4-Methylphenol. Total Phosphorus in a soil matrix, Chloride in a soil matrix, TKN in a soil matrix, NO2 in a soil matrix, NO3 in a soil matrix, SO4 in a soil matrix. **EPA 9071:** Total Petroleum Hydrocarbons, Oil & Grease.

CHAIN OF CUSTODY

PAGE 1 OF 1 (1 of 1)

Date Rec'd in Lab: 12/5/12

ALPHA Job #: L1221962

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial_No:12125:05

Client Information

Client: Woodard & Curran
Address: 980 Washington St Dedham, MA 02026
Phone: 781-251-0200
Fax: —
Email: cblake@woodardcurran.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: TLA - Holbrook
Project Location: Holbrook
Project #: 225604
Project Manager: Craig Blake
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved!)
Date Due: 12/12/12 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☑ ADEx ☐ Add'l Deliverables

Billing Information

☑ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program: MCP Criteria: RCS-1

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☑ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☑ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☑ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required , indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All ***CAM*** methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: VOC 8260 | SVOC 8270 | Dissolved RCRA 8

SAMPLE HANDLING
Filtration
☑ Done ☐ Not needed ☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	SVOC 8270	Dissolved RCRA 8	Sample Specific Comments	TOTAL # BOTTLES
21962 1	MW-6	12/4/12	1005	GW	RS	X	X	X		6
2	MW-5		1125		RS	X	X	X	* Dissolved metals field filtered	6
3	M-7T/WB		1130		AR	X	X	X		6
4	M-7SD		1228		AR	X	X	X		6
5	MW-3		1255		RS	X	X	X		6
6	MW-2		1420		RS	X	X	X		6
7	MW-1	↓	1518		AR	X	X	X		6
8	TB-01	12/2/12	—	TB	Lab	X				1

Container Type	V	A	P
Preservative	B	A	C

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	12/5/12 14:10		12-5-12 14:09
	12-5-12 17:30		12/5/12 1750

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

7A
Volatile CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1221962

Instrument ID: Jack.i Calibration Date: 09-DEC-2012 Time: 15:14

Lab File ID: 1209A01 Init. Calib. Date(s): 02-DEC-2 03-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 23:40 02:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dichlorodifluoromethane	.46435	.41722	.1	-10	20	
chloromethane	.63988	.51492	.1	-20	20	
vinyl chloride	.63983	.56112	.1	-12	20	
bromomethane	.29951	.28218	.1	-6	20	
chloroethane	.35969	.35076	.1	-2	20	
trichlorofluoromethane	.8346	.76626	.1	-8	20	
ethyl ether	.31009	.25948	.05	-16	20	
1,1,-dichloroethene	.55937	.5053	.1	-10	20	
carbon disulfide	1.3159	1.1860	.1	-10	20	
freon-113	.60353	.56435	.1	-6	20	
iodomethane	100	69.409	.05	-31	20	F
acrolien	.04817	.04972	.05	3	20	F
methylene chloride	.63219	.57714	.1	-9	20	
acetone	.17736	.12656	.1	-29	20	F
trans-1,2-dichloroethene	.63183	.57346	.1	-9	20	
methyl acetate	.33446	.26379	.1	-21	20	F
methyl tert butyl ether	1.4198	1.1587	.1	-18	20	
Diisopropyl Ether	2.2209	1.8707	.01	-16	20	
tert butyl alcohol	.04971	.04136	.05	-17	20	F
1,1-dichloroethane	1.1289	1.007	.2	-11	20	
acrylonitrile	.166	.12773	.05	-23	20	F
Halothane	.42295	.3797	.05	-10	20	
Ethyl-Tert-Butyl-Ether	1.8828	1.5553	.05	-17	20	
vinyl acetate	1.1925	.96494	.05	-19	20	
cis-1,2-dichloroethene	.70331	.6341	.1	-10	20	
2,2-dichloropropane	.88094	.82726	.05	-6	20	
bromochloromethane	.33289	.31437	.05	-6	20	
chloroform	1.1134	.98387	.2	-12	20	
carbontetrachloride	.89583	.77055	.1	-14	20	
ethyl acetate	.47786	.34423	.05	-28	20	F
tetrahydrofuran	.17031	.12653	.05	-26	20	F
1,1,1-trichloroethane	1.0064	.88204	.1	-12	20	
1,1-dichloropropene	.8965	.79575	.05	-11	20	
2-butanone	.24085	.19032	.1	-21	20	F
benzene	2.6813	2.3972	.5	-11	20	
Tertiary-Amyl Methyl Ether	1.5560	1.2685	.05	-18	20	
1,2-dichloroethane	.74664	.65234	.1	-13	20	
trichloroethene	.67134	.6258	.2	-7	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1221962

Instrument ID: Jack.i Calibration Date: 09-DEC-2012 Time: 15:14

Lab File ID: 1209A01 Init. Calib. Date(s): 02-DEC-2 03-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 23:40 02:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
dibromomethane	.33775	.289	.05	-14	20	
1,2-dichloropropane	.65267	.57761	.1	-12	20	
bromodichloromethane	.80998	.67951	.2	-16	20	
1,4-dioxane	.00348	.0029	.05	-17	20	F
2-chloroethylvinyl ether	.14066	.10669	.05	-24	20	F
cis-1,3-dichloropropene	.96605	.85344	.2	-12	20	
toluene	1.9350	1.8599	.4	-4	20	
tetrachloroethene	.88552	.88083	.2	-1	20	
4-methyl-2-pentanone	.16855	.12854	.1	-24	20	F
trans-1,3-dichloropropene	.87894	.82514	.1	-6	20	
1,1,2-trichloroethane	.46253	.42883	.1	-7	20	
chlorodibromomethane	.66255	.59316	.1	-10	20	
1,3-dichloropropane	.95635	.86586	.05	-9	20	
1,2-dibromoethane	.55673	.5136	.1	-8	20	
2-hexanone	.36366	.29397	.1	-19	20	
chlorobenzene	2.1003	2.0789	.5	-1	20	
ethyl benzene	3.3967	3.3346	.1	-2	20	
1,1,1,2-tetrachloroethane	.73224	.70449	.05	-4	20	
p/m xylene	1.3464	1.3387	.1	-1	20	
o xylene	1.2801	1.3037	.3	2	20	
bromoform	.58893	.56641	.1	-4	20	
styrene	2.0914	2.1017	.3	0	20	
isopropylbenzene	3.1829	3.1693	.1	0	20	
bromobenzene	1.5494	1.5916	.05	3	20	
n-propylbenzene	5.5662	5.9713	.05	7	20	
1,1,2,2,-tetrachloroethane	1.0685	.97901	.3	-8	20	
4-ethyltoluene	5.2422	5.6569	.05	8	20	
2-chlorotoluene	4.0711	4.3909	.05	8	20	
1,2,3-trichloropropane	.82288	.77404	.05	-6	20	
1,3,5-trimethybenzene	4.0001	4.3920	.05	10	20	
trans-1,4-dichloro-2-butene	.31208	.29884	.05	-4	20	
4-chorotoluene	3.6923	3.9447	.05	7	20	
tert-butylbenzene	3.5620	3.7260	.05	5	20	
1,2,4-trimethylbenzene	3.9037	4.2178	.05	8	20	
sec-butylbenzene	4.5124	4.8139	.01	7	20	
p-isopropyltoluene	3.8462	4.1943	.05	9	20	
1,3-dichlorobenzene	2.5984	2.7657	.6	6	20	
1,4-dichlorobenzene	2.6648	2.8905	.5	8	20	

FORM VII MCP-8260-10

7A
CONTINUING CALIBRATION CHECK

Lab Name: Alpha Analytical Labs

SDG No.: L1221962

Instrument ID: Jack.i Calibration Date: 09-DEC-2012 Time: 15:14

Lab File ID: 1209A01 Init. Calib. Date(s): 02-DEC-2 03-DEC-2

Sample No: 8260 CCAL Init. Calib. Times : 23:40 02:54

Compound	RRF	RRF	MIN RRF	%D	MAX %D	
p-diethylbenzene	2.1548	2.4026	.05	12	20	
n-butylbenzene	2.7073	2.9063	.05	7	20	
1,2-dichlorobenzene	2.4592	2.5787	.4	5	20	
1,2,4,5-tetramethylbenzene	2.7081	2.8457	.05	5	20	
1,2-dibromo-3-chloropropane	.14682	.12254	.05	-17	20	
1,3,5-trichlorobenzene	.68781	.64252	.05	-7	20	
1,2,4-trichlorobenzene	1.1078	1.1193	.2	1	20	
hexachlorobutadiene	.36595	.45382	.05	24	20	F
naphthalene	2.3228	1.9785	.05	-15	20	
1,2,3-trichlorobenzene	.912	.92578	.05	2	20	
dibromofluoromethane	.25346	.25444	.05	0	20	
1,2-dichloroethane-d4	.24322	.23508	.05	-3	20	
toluene-d8	1.1238	1.1968	.01	6	20	
4-bromofluorobenzene	.83171	.79591	.05	-4	20	

FORM VII MCP-8260-10

APPENDIX D: SOIL BORING/MONITORING WELL CONSTRUCTION LOGS

WOODARD & CURRAN
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980 Washington Street
Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No.
S-1

START DATE:	March 8, 2006	BORING DEPTH BGS:	7 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	6.5	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-1	0-4	24/48"	2.7	**0-7'**: Brown fine to coarse SAND and GRAVEL, dry, no odor
1'					
2'					
3'					
4'			24/36"	2.3	
5'					
6'					
7'					Groundwater encountered at 6.5' **Refusal at 7'**
8'					
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located west of Falvey Steel Castings office building in grass.

WOODARD & CURRAN
Engineering • Science • Operations
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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-5

START DATE:	March 8, 2006	BORING DEPTH BGS:	8 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	NA	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
					1" Asphalt/Baserock
0'					**0-8'**: Brown coarse SAND, some coarse gravel, dry, no odor
1'					
2'	S-5	0-4	18/48"	0.3	
3'					
4'					
5'					
6'			18/48"	0.3	
7'					
8'					**Refusal at 8'**
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located west of tank farm in asphalt driveway.

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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-7

START DATE:	March 8, 2006	BORING DEPTH BGS:	10 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	8 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
					1" Asphalt/Baserock
0'	S-7	0-4	12/48"	1	**0-8'**: Brown and black fine to coarse SAND, some fine gravel, little coal ash/pieces, dry, no odor (FILL)
1'					
2'					
3'					
4'			12/48"	1.7	
5'					
6'					
7'					
8'			0/48"	NA	**8-10'**: No soil recovery. Groundwater encountered.
9'					
10'					**Boring terminated at 10'**
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located east of garage.

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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-8

START DATE:	March 8, 2006	BORING DEPTH BGS:	12 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	11 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-8	0-4	30/48"	0.7	**0-4'**: Brown and black fine to coarse SAND, some fine gravel, dry, no odor (FILL)
4'	S-8	4-8	36/48"	0.7	**4-12'**: Brown medium to coarse SAND, little fine gravel, dry to moist, no odor
8'			36/48"	0.6	Groundwater encountered at 11'
12'					**Boring terminated at 12'**
16'					
20'					
24'					

COMMENTS: Boring located within diked area of tank farm.

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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-9

START DATE:	March 8, 2006	BORING DEPTH BGS:	8 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	NA	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-9	0-4	24/48"	1.6	**0-8'**: Brown fine to coarse SAND, some fine to coarse gravel, trace coal pieces (0-4') dry, no odor (FILL)
4'	S-9	4-8	18/48"	1.3	
8'					**Refusal at 8'**
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located south of tank farm (outside of diked area).

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BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-10

START DATE:	March 8, 2006	BORING DEPTH BGS:	8 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	7 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-10	0-4	18/48"	2	**0-8'**: Brown fine to medium SAND, some fine to coarse gravel, trace coal pieces (0-4') dry, no odor (FILL)
4'			24/48"	2.6	Groundwater encountered at 7'
8'					**Boring terminated at 8'**

COMMENTS: Boring located within diked area of tank farm.

WOODARD & CURRAN
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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-11

START DATE:	March 8, 2006	BORING DEPTH BGS:	12 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	12 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-11	0-4	18/48"	0.4	**0-10.5'**: Brown and black fine-coarse SAND, some fine to coarse gravel, some coal ash/pieces, dry, no odor (FILL)
4'	S-11	4-8	30/48"	0.4	
8'			30/48"	0.6	
10'					**10.5-12'**: Brown fine to coarse SAND, some fine gravel, moist to wet, no odor
11'					Groundwater encountered at 12'
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located within diked area of tank farm.

WOODARD & CURRAN
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Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No.
S-12

START DATE:	March 8, 2006	BORING DEPTH BGS:	7 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	7 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-12	0-4	18/48"	1.7	**0-7'**: Brown and gray fine-medium SAND, some fine to coarse gravel, some coal ash/pieces, dry, no odor (FILL)
4'	S-12	4-7	12/48"	2.6	Moist to wet at 7'
7'					**Refusal at 7'**
8'					
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located within diked area of tank farm.

WOODARD & CURRAN Engineering • Science • Operations 980 Washington Street Dedham, Massachusetts 02026	**BORING LOG** Former Holbrook Chemical 3 Phillips Road, Holbrook, MA	**Boring No.** S-13

START DATE:	March 8, 2006	BORING DEPTH BGS:	7.5 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	7 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-13	0-4	12/48"	2.7	**0-7.5'**: Black (0-4') and brown (4-7.5') fine-coarse SAND and GRAVEL, little coal ash/pieces (0-4'), dry, no odor
1'					
2'					
3'					
4'			12/48"	2	
5'					
6'					
7'					Wet at 7.5'
8'					**Boring terminated at 7.5'**
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring west of mixing building in asphalt driveway.

WOODARD & CURRAN Engineering • Science • Operations 980 Washington Street Dedham, Massachusetts 02026	**BORING LOG** Former Holbrook Chemical 3 Phillips Road, Holbrook, MA	**Boring No.** S-14

START DATE:	March 8, 2006	BORING DEPTH BGS:	4 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	NA	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-14	0-4	30/48"	2.3	**0-4'**: Gray and green fine to medium SAND, some coarse gravel, trace coal pieces dry, no odor (FILL)
4'					**Refusal at 4'. 3 attempts made to advance beyond 4'.**

COMMENTS: Boring located within diked area of tank farm.

WOODARD & CURRAN
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980 Washington Street
Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-15

START DATE:	March 8, 2006	BORING DEPTH BGS:	1 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	NA	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-15	0-1	12/48"	1.6	**0-1'**: Gray and green fine to medium SAND, some coarse gravel, trace coal pieces, dry, no odor (FILL)
1'					**Refusal at 1'. 3 attempts made to advance beyond 1'.**
2'					
3'					
4'					
5'					
6'					
7'					
8'					
9'					
10'					
11'					
12'					
13'					
14'					
15'					
16'					
17'					
18'					
19'					
20'					
21'					
22'					
23'					
24'					

COMMENTS: Boring located within diked area of tank farm.

WOODARD & CURRAN
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980 Washington Street
Dedham, Massachusetts 02026

BORING LOG
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

Boring No. S-17

START DATE:	March 8, 2006	BORING DEPTH BGS:	8 feet	
CONTRACTOR:	Geologic-Earth Exploration	WELL DEPTH:	not installed	**PAGE**
DRILLER:	Damian Jacobs	RISER LENGTH BGS:	NA	
GEOLOGIST:	Jesse Edmands	SCREEN LENGTH:	NA	1 of 1
DRILLING METHOD:	Geoprobe 5400DT track rig	SLOT SIZE:	NA	
SAMPLING METHOD:	Continuous (4 foot sections)	G.WATER DEPTH:	8 feet	

Depth	Sample ID	Sample Depth	Rec. Length	OVM (ppm)	Soil Description and Field Observations
0'	S-17	0-4	12/48"	0.9	**0-8'**: Brown (0-4') and gray (4-8') fine-medium SAND, some fine to coarse gravel, trace coal pieces (0-4'), dry, no odor (FILL)
4'			12/48"	2.1	Wet at 8'
8'					**Boring terminated at 8'**

COMMENTS: Boring located south of warehouse building.

WOODARD & CURRAN
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Dedham, Massachusetts 02026

Well Completion Log
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

BORING/ WELL No.
MW-4

START DATE	3/9/2006	BORING DEPTH	10 feet
CONTRACTOR	Geologic-Earth Exploration	WELL DEPTH	NA
DRILLERS	Charlie and John	RISER LENGTH	NA
GEOLOGIST	Jesse Edmands	SCREEN LENGTH	NA
DRILLING METHOD	ATV Hollow Stem Auger	SLOT SIZE	NA
SAMPLING METHOD	Split Spoon every 5'	LOCATION	East of Mixing Building

PAGE 1 of 1

Depth	Elevation	Sample Range	Blows per 6 inches	Rec. Length	OVM (ppm)	Field Description and Remarks	Well Construction Diagram
0		0' - 2'	29-20-20-21	12"	2	Brown fine to coarse SAND, little fine gravel, dry, no odor, trace coal chips	NA
5'		5'-7'	17-22-12-10	6"	2.4	Brown fine to coarse SAND, little fine gravel, no odor Note: Cobbles (2"-6" Di.) brought to surface by augers slow drilling	
9'						Slightly wet at 10'	
10'		10'-12'	13-100 (Refusal	0		Refusal on cobbles at 10' Note: Advanced another boring in attempt to reach groundwater ~20' to west (refusal at 7' on cobbles). NO WELL INSTALLED Sample from 5'-7' submiited for laboratory analyses.	

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Well Completion Log
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

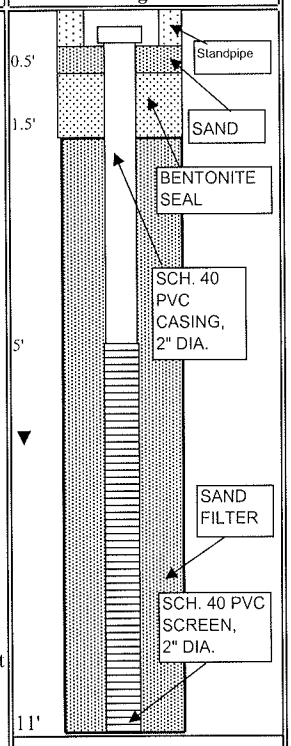
BORING/ WELL No.
MW-1

START DATE	3/9/2006	BORING DEPTH	13 feet
CONTRACTOR	Geologic-Earth Exploration	WELL DEPTH	11 feet
DRILLERS	Charlie and John	RISER LENGTH	1 foot
GEOLOGIST	Jesse Edmands	SCREEN LENGTH	10 feet
DRILLING METHOD	ATV Hollow Stem Auger	SLOT SIZE	0.02 inches
SAMPLING METHOD	Split Spoon every 5'	LOCATION	West of warehouse (in woods)

PAGE 1 of 1

Depth	Elevation	Sample Range	Blows per 6 inches	Rec. Length	OVM (ppm)	Field Description and Remarks
0		0' - 2'	2-13-35-Refusal	1"	1.2	Brown coarse SAND, little silt, little fine gravel, moist coal ash/pieces, no odor
1'						
2'						
3'						
4'						
5'		5' - 7'	19-16-28-32	1"	1.2	Brown coarse sand, little silt, trace coal pieces, trace coarse gravel, wet at 7'.
6'						
7'						Note: Cobbles (2" Di.) brought to surface by augers slow drilling
8'						Composited soil sample from 0'-2' and 5'-7' for analyses
9'						
10'		10' - 12'	14-13-11-10	6"	NA	Brown fine to coarse SAND and GRAVEL, little silt, wet no odor
11'						
12'						
13'						Total Boring Depth = 13'
14'						

Well Construction Diagram



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Well Completion Log
Former Holbrook Chemical
3 Phillips Road, Holbrook, MA

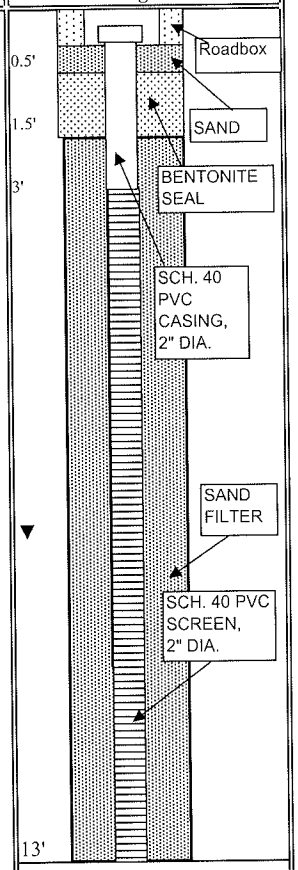
BORING/ WELL No.
MW-2

START DATE	3/9/2006	BORING DEPTH	15 feet
CONTRACTOR	Geologic-Earth Exploration	WELL DEPTH	13 feet
DRILLERS	Charlie and John	RISER LENGTH	5 foot
GEOLOGIST	Jesse Edmands	SCREEN LENGTH	10 feet
DRILLING METHOD	ATV Hollow Stem Auger	SLOT SIZE	0.02 inches
SAMPLING METHOD	Split Spoon every 5'	LOCATION	North of garage (in driveway)

PAGE
1 of 1

Depth	Elevation	Sample Range	Blows per 6 inches	Rec. Length	OVM (ppm)	Field Description and Remarks
0		0' - 2'	100	3"	3	Brown fine to coarse SAND and GRAVEL, little to no fines, dry, no odor
1'						
2'						
3'						
4'						
5'		5' - 7'	36-23-16-21	6"	3.4	Brown fine to coarse SAND and GRAVEL, little to no fines, dry, no odor
6'						
7'						
8'						Groundwater between 7'-10'
9'						Collected soil sample 5'-7' for lab analyses
10'						
11'						
12'						
13						
14'						
15'						
						Total Boring Depth = 15'

Well Construction Diagram



BORING NUMBER B-1

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/11/09 **COMPLETED** 6/11/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
			SM		(SM) LOAM	
					0.5	
					(GP) Brown, fine SAND, some coarse gravel	
	83	5-5-14-31 (19)	GP			
2					2.0	
					(GP) Brown, dry, coarse SAND and coarse Gravel	PID = 1.1
	75	38-66-95-52 (161)	GP			
4					4.0	
			GP		(GP) Brown, dry, coarse SAND and coarse gravel	PID = 0
	92	46-68-71-125 (139)			5.0	
			GP		(GP) Brown, damp, coarse SAND and coarse gravel	
6					6.0	
					No sample collected. Boring was continued for Geotechnical purposes.	PID = 0
8					8.0	
					(GP) Brown, wet, fine SAND, some Silt and coarse gravel	PID = 0
10	67	68-67-61-55 (128)	GP			
					11.0	

Refusal at 11.0 feet.
Bottom of borehole at 11.0 feet.

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER B-2

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/8/09 **COMPLETED** 6/8/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
2	42	30-20-15-15 (35)	GP		(GP) Brownish-tan, dry, fine SAND, some crushed cobble	PID = 0.2
					2.0	
4	21	25-15-15-20 (30)	GP		(GP) Brownish-tan, dry, fine SAND, with some crushed cobble	PID = 0
					4.0	
6	63	12-11-10-5 (21)	GP		(GP) Brownish-tan, dry, fine SAND, with some crushed cobble	PID = 0
					6.0	
8	21	30-45-100 (145)	GP		(GP) Brownish-tan, damp, fine SAND, with some crushed cobble. Refusal At 7fbg	PID = 0
					7.0	

Refusal at 7.0 feet.
Bottom of borehole at 8.0 feet.

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER B-2A

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/8/09 **COMPLETED** 6/8/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger ▽ **AT TIME OF DRILLING** 9.00 ft Observed in spilt-spoon sample

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0			Boring B-2A was directly driven to 8fbg within 5 feet of B-2. Sample was composited with B-2 (6-8fbg) and submitted for laboratory VOC-8260 analysis. This sample considered repersentative of the soil at this area.			Direct Drive to 8 feet below grade	
2							
4							
6							
8						8.0	
	50	24-38-26-23 (64)		GP		(GP) Dark brown, Damp to Wet, coarse and fine SAND, little subangular fine gravel.	
						9.0 ▽	
10				GP		(GP) Brown, wet, fine SAND, some crushed cobble	PID = 0
						10.0	

NOTES

Bottom of borehole at 10.0 feet.

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER B-3

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/9/09 **COMPLETED** 6/9/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
2	8	15-20-24-13 (44)	GP		(GP) Dark brown, dry, medium to fine SAND, some fine gravel and fine pebbles	
					2.0	
4	0	25-20-14-12 (34)	GP		(GP) No signifiacant recovery for proper characterization	PID = 1
					4.0	
6	42	17-17-13-23 (30)	GP		(GP) Light brown, dry, medium to fine SAND, some coarse gravel and fine pebbles	PID = 1.1
					5.5	
			GP		(GP) Dark brown, damp, fine SAND, little fine pebbles	
					6.0	
8	33	30-27-24 (51)	GP		(GP) Light borwn, damp, fine SAND, little coarse pebbles	PID = 0
					8.0	
10						

Refusal at 8.0 feet.
Bottom of borehole at 10.0 feet.

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER B-4

Woodard and Curran

CLIENT | **PROJECT NAME**

PROJECT NUMBER 218390 | **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/8/09 **COMPLETED** 6/8/09 | **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring | **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger | ▽ **AT TIME OF DRILLING** 6.00 ft

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake | **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
2	17	20-22-26-46 (48)	GP		(GP) Brown, dry, dense, coarse to fine SAND, little crushed cobble	PID = 0
4	17	42-24-24-32 (48)	GP		2.0 (GP) Brown, dry, medium to fine SAND, little crushed cobble, w/trace coal ash	PID = 0
6	42	25-22-14-20 (36)	GP		4.0 (GP) Brownish-orange, damp, coarse to fine SAND	PID = 0
			GP		5.0 (GP) Brown, damp to wet, coarse SAND, some fine gravel	
8	42	12-9-12-12 (21)	GP		6.0 ▽ (GP) Brown, wet, coarse to fine SAND, some coarse gravel, some crushed cobble	
10	38	12-9-7-11 (16)	GP		8.0 (GP) Brown, wet, fine SAND, trace fine gravel	PID = 0
12					10.0	
14						

Refusal at 14.0 feet.
Bottom of borehole at 14.0 feet.

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER B-5

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/8/09 **COMPLETED** 6/9/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger ▽ **AT TIME OF DRILLING** 8.00 ft Water was encountered at approximately 8

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
2	33	20-9-10-9 (19)	GP		(GP) Brown, dry, medium and fine SAND, some fine subangular gravel	
4	33	30-20-10-6 (30)	GP		(GP) Brown, dry, medium and fine SAND, some fine subangular gravel	PID = 0
6	33	20-40-15-9 (55)	GP		(GP) Brown, dry, medium and fine SAND, some fine subangular gravel	PID = 0
8	17	25-39-37-14 (76)	GP		(GP) Brown, damp to wet, coarse SAND and Gravel, some coarse crushed cobble	PID = 0
10	25	13-5-13-14 (18)	GP		(GP) Brown, saturated, fine SAND and fine Gravel, some fine pebbles	PID = 7.5
					Refusal at 10.0 feet. Bottom of borehole at 10.0 feet.	PID = 1

2.0

4.0

6.0

8.0 ▽

10.0

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER SAB-1

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/8/09 **COMPLETED** 6/8/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0				SP		(SP) Blackish-brown, coarse to fine SAND	
						0.5	
				GP		(GP) Light brown, fine SAND, some fine gravel	
						1.0	
	42	10-10-50 (60)		GP		(GP) Brown, dry, fine SAND, some crushed cobble	PID = 0
2						2.0	
				GP		(GP) Brown, dry, fine SAND, some crushed cobble	
	42	50-36-45-58 (81)					PID = 0
4						4.0	
				GP		(GP) Refusal at 5-feet	
	0	50	Refusal at 5-fbg. Split spoon sample not taken.			5.0	
						Refusal at 5.0 feet. Bottom of borehole at 5.0 feet.	

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER SAB-2

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/11/09 **COMPLETED** 6/11/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
	25	2-2-3-3 (5)	SM		(SM) LOAM	
					0.5	
			SM		(SM) Brown, dry, medium and fine SAND, trace Silt	
2					2.0	
	50	3-5-20-58 (25)	GP		(GP) Light brown, dry, fine SAND, little fine gravel and pebbles	PID = 1.4
					3.0	
			GP		(GP) Gray-brown, dry, coarse and medium SAND, some coarse gravel (crushed)	
4					4.0	
	83	52-57-62-94 (119)	GW-GM		(GW-GM) Brown, dry, medium and fine SAND, trace Silt, some crushed cobble	PID = 0
					5.5	
			GP		(GP) Brown, dry, mdium and fine SAND, some fine pebbles	
6					6.0	
						PID = 0

Refusal at 7.0 feet.
Bottom of borehole at 7.0 feet.

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WP\GINT.GPJ

BORING NUMBER SAB-3B

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/11/09 **COMPLETED** 6/11/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0	300	17-39/0"	GP		(GP) Brown, dry, medium and fine SAND, some coarse pebbles	
					1.0	
	50	93	GM		(GM) Gray, dry, fine SAND, with trace Silt, crushed cobble	
					1.5	
2	50	50	GP		(GP) Brown, dry, medium and fine SAND, some coarse pebbles	
					2.0	
	0	36-37-12-11 (49)	GP		(GP) Gravel obstructed spilt spoon, no recovery	PID = 0
					4.0	
	25	15-11-32-32 (43)	GP		(GP) Brown- orange, dry to damp, coarse and fine SAND, some fine gravel. trace Silt	PID = 0
					6.0	

NOTES

Refusal at 2.0 feet.
Bottom of borehole at 2.0 feet.

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER SAB-4

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/9/09 **COMPLETED** 6/9/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
	21	3-14-48-53 (62)	GP		(GP) Light brown, dry, medium SAND, some fine and coarse pebbles	
					1.8	
2			GP		(GP) Grayish-brown, pulverized cobble	
					2.0	
	50	18-27-97-34 (124)	GP		(GP) Ligth brown, dry, medium and fine SAND, some coarse pebbles	PID = 0
					3.8	
4			GP		(GP) Gray, dry. pulverized cobble	
					4.0	
	50	57-75-60-80 (135)	MH		(MH) brown, damp, fine SILT	PID = 0
					4.5	
			GP		(GP) Brown-gray, dry, medium and fine SAND, some fine pebbles, little crushed cobble	
6					6.0	
					Bottom of borehole at 6.0 feet.	PID = 0

NOTES

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

BORING NUMBER SAB-5

Woodard and Curran

CLIENT _____ **PROJECT NAME** _____

PROJECT NUMBER 218390 **PROJECT LOCATION** 3 Phillips Road Holbrook, Massachusetts

DATE STARTED 6/9/09 **COMPLETED** 6/9/09 **GROUND ELEVATION** ft **HOLE SIZE** 6

DRILLING CONTRACTOR New Hampshire Boring **GROUND WATER LEVELS:**

DRILLING METHOD Hollow stemmed auger **AT TIME OF DRILLING** ---

LOGGED BY Dan Clinton **CHECKED BY** Craig Blake **NAD 1983 COORDINATES (ft)** (E), (N)

NOTES _____

DEPTH (ft)	RECOVERY %	BLOW COUNTS (N VALUE)	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	Environmental Data (ppmv)
0						
	42	12-15-20-20 (35)	GP		(GP) Light brown, dry, medium SAND, some coarse and fine pebbles and gravel, little crushed cobble	
					1.8	
2			GP		(GP) Coarse broken cobble stuck in split spoon	
					2.0	
	63	36-30-45-40 (75)	GP		(GP) Light brown, dry, medium SAND, some coarse and fine pebbles and gravel, little crushed cobble	PID = 0.2
4					4.0	
	63	40-64-42 (106)	SP		(SP) Brown-orange, dry, medium SAND (oxidized layer)	PID = 0.2
					5.0	
			SC-SM		(SC-SM) Light tannish-brown, medium and fine SAND, trace grayish Silt	
6					6.0	
					Bottom of borehole at 6.0 feet.	PID = 0

BEEDE - GINT STD US.GDT - 6/25/09 15:37 - \\DEDHAM\PROJECTS\218390 HOLBROOK ENV LOGISTICS PARTNER - PHILIPPS RD\WIP\GINT.GPJ

NOTES