TASK 210 Subsurface Site Investigation

Shore Line East Station Enhancements

Branford, CT

Prepared for:
Division of Environmental Compliance
Connecticut Department of Transportation
2800 Berlin Turnpike
Newington, CT 06111

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DIVERSIFIED TECHNOLOGY CONSULTANTS, INC.
HAMDEN, CT ANDOVER, MA

SIGNATURE PAGE

TASK 210 SUBSURFACE SITE INVESTIGATION

SHORE LINE EAST STATION ENHANCEMENTS

BRANFORD, CONNECTICUT

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1.0 INTRODUCTION

Diversified Technology Consultants, Inc. (DTC) was retained by the State of Connecticut Department of Transportation (ConnDOT) to conduct a Task 210 Subsurface Site Investigation (SSI) in support of ConnDOT Project No. 310-0048, Shore Line East (SLE) Station Enhancements, in Branford, Connecticut. This report provides a brief description and history of the project area, a discussion of the local environment and receptors, the investigation rationale, a summary of the data obtained during the investigation, an interpretation of the results with respect to the appropriate regulatory criteria, and recommendations.

1.1 Background and Purpose

The project is located along the northern side of the Amtrak railroad tracks at the Branford SLE Station located at 25 Maple Street in Branford, Connecticut. The project will involve construction of a high-level boarding platform at the station and electrical improvements to support the introduction of electrified SLE Commuter Railroad service. The site's location and pertinent features are depicted on Figures 1 and 2.

The purpose of this Task 210 SSI is to collect and review on-site soil and groundwater data in order to characterize the project area with respect to subsurface contamination and to evaluate whether the proposed construction activities may require management of contaminated soil or groundwater.

The potential exists for soil and/or groundwater within the project area to be impacted with volatile organic compounds (VOCs), petroleum hydrocarbons, semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), and chlorinated pesticides and herbicides. These constituents of concern (COCs) were selected for analysis as part of this Task 210 SSI because they are common contaminants associated with the historic and current use of the project area and adjoining parcels, which include the current Branford railroad station and the Amtrak railroad tracks, a solid waste disposal area site, and residential properties with heating oil tanks.

1.2 Previous Environmental Reports

No previous environmental investigation reports were completed by ConnDOT or available for review by DTC.

1.3 Scope of Work

DTC completed this Task 210 SSI pursuant to our task assignment recommendation, dated July 23, 2010, which was approved by ConnDOT. DTC designed the Task 210 SSI activities based on boring locations selected by the geotechnical engineer, GeoDesign Inc. Preliminary project plans were not provided by ConnDOT.

The scope of work for this Task 210 SSI included the following tasks:

- Pre-drilling activities, completed by GeoDesign, included: (1) marking proposed drilling locations, (2) contacting Call-Before-You-Dig to request mark outs of subsurface utilities, and (3) meeting on-site to discuss proposed drilling locations with representatives of Amtrak and other utility companies/agencies;

- Completion of an application for, and obtaining a temporary permit to enter upon Amtrak property;
- Completion of 3 soil borings to a maximum depth of 21 feet below grade using a hollow-stem auger (HSA) drill rig;
- Installation of one groundwater monitoring well;
- Recording lithology and field screening soil samples with a photoionization detector (PID);
- Collection and laboratory analysis of 9 soil samples for one or more of the following:
    - VOCs by EPA Method 8260B;
    - SVOCs by EPA Method 8270;
    - ETPH by Connecticut DEP Method;
    - total RCRA 8 metals by EPA Method 6010B;
    - leachable arsenic and lead by Synthetic Precipitation Leaching Procedure (SPLP) and/or Toxicity Characteristic Leaching Procedure (TCLP);
    - PCBs by EPA Method 8082;
    - chlorinated pesticides by EPA Method 8081; and
    - chlorinated herbicides by EPA Method 8151.
- Collection of one groundwater sample (from a permanent monitoring well) and laboratory analysis for VOCs by EPA Method 624, SVOCs by EPA 625, TPH by EPA Method 1664, total and dissolved RCRA 8 metals, copper, and zinc by EPA Method 200.7, and PCBs and pesticides by EPA Method 608.

2.0 LOCAL ENVIRONMENT AND RECEPTORS

2.1 Surficial Geology

According to the "Surficial Materials Map of Connecticut", dated 1992, surficial materials of the project area consist of sand and gravel, which are described as a mixture of sand and gravel within individual layers and as alternating layers.

Based on soil samples observed during the boring advancement activities, surficial materials consist of both native and non-native materials (fill). Fill materials consisting of course, gray gravel and black and brown, medium sand were observed to overlie native material consisting of brown, fine to coarse sand with traces of silt, gravel, and cobbles and gray silty clay with interbedded layers of peat. Boring logs are included as Appendix A.

2.2 Bedrock Geology

According to the "Bedrock Geological Map of Connecticut", the project area is underlain by Branford Gneiss, which is described as gray to white, well-foliated granitic gneiss, and Waterford Group, which is described as light to dark, medium-grained gneiss. Bedrock was encountered at a depth of approximately 64 feet below grade in boring RR-13. Bedrock outcrops were not observed within the immediate vicinity of the project.

2.3 Groundwater

Based on a review of the Water Quality Classifications Map of the Connecticut River and Southcentral Coastal Basins, adopted 1993, DEP has designated groundwater beneath the project area and surrounding area as "GB" quality.

"GB" classified groundwater is considered by the DEP to be located within historically urbanized areas or areas of intense industrial activity and where public water supply service is available. Such groundwater may not be suitable for human consumption without treatment due to waste discharges, spills or leaks of chemicals, or land use impacts.

During this Task 210 SSI, the groundwater table within the project corridor was observed at depths ranging from 4.5 to 7.5 feet below grade. A wetland is located adjacent to the project area to the north/northwest. Based on the presence of the wetland area, the general direction of groundwater flow is inferred to be toward the northwest. Generally, groundwater flows from topographic high to topographic low areas with local changes near bodies of surface water and contrasting rock types. The presence of subsurface structures, impervious surfaces, and the character of the subsurface stratigraphy may also locally influence the direction of groundwater movement.

2.4 Surface Water

The Branford River is located approximately 1/3 mile to the east of the project area. According the above referenced DEP map, the Branford River is classified as a "SB" surface water body. The Class "SB" designation indicates a coastal and marine water body known or presumed to meet water quality criteria for marine fish, shellfish, and wildlife habitat, shellfish harvesting for transfer to approved areas for purification prior to human consumption, recreation, and other legitimate uses including navigation. A wetland area is located on the adjacent property to the north/northwest.

3.0 FIELD INVESTIGATION AND SAMPLING METHODS

This Task 210 SSI included the advancement of three borings, installation of one permanent monitoring well, and collection and laboratory analysis of nine soil samples and one groundwater sample.

GeoDesign was retained by ConnDOT to collect soil and bedrock samples for geotechnical purposes and to classify the soil and bedrock underlying the site. GeoDesign subcontracted Soil Testing, Inc. (Soil Testing) of Oxford, Connecticut to advance the borings and install the permanent well using a HSA drill rig. DTC was retained by ConnDOT to collect environmental samples from the same borings. The subsurface exploration program was completed between October 14 through 19, 2010.

The soil boring and the monitoring well locations are depicted on Figure 2.

Soil and groundwater samples were analyzed for regulated constituents of concern associated with the historic and current uses of the project area and adjacent parcels. Table 1 provides a summary of the sampling rationale and the laboratory analyses requested for each soil and groundwater sample. The following sections summarize the field investigation and sampling methodologies used during this investigation.

3.1 Soil Boring Advancement and Sampling

The three borings, identified as RR-11 through RR-13, were advanced to depths ranging from 12 to 21 feet below grade prior to the introduction of water. Soil samples were obtained semi-continuously during advancement of the borings using a stainless-steel, two-foot long split-spoon sampling device. The split-spoon was opened on its horizontal axis to allow inspection, description of lithology, and sampling of the material.

A representative portion of each 2-foot long soil core was immediately collected by the DTC field scientist and placed within a clean polyethylene zip-lock bag for field screening with a PID. The PID was equipped with a 10.6 eV bulb and was calibrated to isobutylene standard gas (100 parts per million). The results of the PID screening are provided on the boring logs, which are included as Appendix A.

Following lithology description, soil samples were collected at approximately 2 foot intervals from each boring. Since the soil underlying the site is classified by ConnDOT as Class "A" soil, GeoDesign required the use of casing instead of augers at depths beyond 12 to 14 feet to ensure the integrity of the nearby Amtrak railroad tracks. After the casing was advanced, Soil Testing used potable water from the current Branford Railroad Station property, to wash out the interior of the casing. Since the soil below the casing was disturbed due to the introduction of the water, no environmental samples were submitted for laboratory analysis beyond that depth.

Soil samples from the borings were selected for laboratory analysis based upon the current use of the nearby parcels, visual appearance of the soil, the results of the field screening, and the anticipated construction activities. A total of nine soil samples (three from each boring) were submitted to Phoenix Environmental Laboratories, Inc. (Phoenix) of Manchester, Connecticut, a State of Connecticut Department of Public Health certified environmental testing laboratory, using proper preservation techniques and chain of custody control.

3.2 Groundwater Sampling

On October 17, 2010, following soil sampling and bedrock coring, a permanent monitoring well was installed at boring RR-13, to a depth of approximately 14 feet below ground surface, by assembling and inserting a 10 foot section of 1-inch diameter PVC slotted screen and 1-inch diameter PVC riser pipe coupled with a PVC end-cap. A sand pack was installed surrounding the screened section of the well, which extended approximately one foot above the top of the screen. An approximately 1.5-foot thick bentonite clay seal was installed above the sand pack to limit potential vertical migration of surface water down the borehole. The well was then completed with a stand-pipe cemented in place. A monitoring well completion log is included in Appendix A.

After the groundwater in the well was allowed to equilibrate, the well was sampled on October 21, 2010 using a peristaltic pump, set at a low-flow rate, and dedicated tubing. Groundwater was observed in monitoring well RR-13 at approximately 7.3 feet from the top of the PVC on October 21, 2010. Groundwater parameters including pH, dissolved oxygen, oxygen reduction potential (ORP), specific conductance, and temperature were measured periodically in the field using a YSI 650 meter equipped with a flow through cell. Turbidity was measured in the field using a LaMotte 2020e turbidity meter. These parameters were recorded on the Groundwater Sampling Log, which are included as Appendix A.

The groundwater was decanted from the dedicated tubing directly into pre-preserved sample containers provided by the laboratory once the field parameters stabilized and the turbidity readings dropped below 5 Nephelometric Turbidity Units (NTUs). The sample was observed to have a creosote odor.

Upon collection, the groundwater sample was immediately placed in a cooler with ice. The sample was submitted to Phoenix using proper preservation techniques and chain of custody control.

4.0 REGULATORY CRITERIA

The soil analytical results were compared to the numeric criteria listed in the Connecticut DEP Remediation Standard Regulations (RSRs), sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies, dated January 1996, and to numeric criteria in the DEP Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria, dated October 24, 2005. The RSRs were developed by the DEP to define the remediation performance standards for soil and groundwater.

The groundwater analytical results were compared to the maximum contaminant concentration limits listed in the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated February 9, 2005.

The RSRs apply specifically to sites at which remedial actions are required by the DEP under Chapters 445 or 446k of the Connecticut General Statutes (CGS) such as under an administrative order, subsequent to a transfer of an establishment under CGS Section 22a-134a, and to sites that are enrolled in a Voluntary Remediation Program under CGS Sections 22a-133x or 22a-133y.

The Branford SLE Station site is not currently regulated under any of these State statutes. However, DTC used the numeric criteria in the RSRs as guidelines to evaluate the data and to make conclusions regarding concentrations of regulated compounds detected in soil and groundwater. The following sections provide a brief summary of the soil and groundwater criteria utilized during this Task 210 SSI.

4.1 Soil Criteria

Direct Exposure Criteria (DEC)

The DEC are designed to protect human health from risks associated with exposure to pollutants in contaminated soil within 15 feet of the ground surface.

The RSRs provide two sets of DEC, one for residential land use (RES DEC) and another for industrial/commercial land use (I/C DEC). Remediation to the RES DEC is required unless an ELUR is recorded that restricts residential use. For this project, DTC compared the soil analytical results to the RES DEC and I/C DEC.

Pollutant Mobility Criteria (PMC)

The PMC are designed to protect groundwater quality by reducing or eliminating the potential for migration of pollutants to groundwater from contaminated soil. The RSRs provide two sets of PMC based on the groundwater classification of the site, as designated by DEP. In a "GB" groundwater classification zone, the GB PMC apply to soil from the ground surface to the depth of the seasonal high water table. As the project area is in a "GB" area, DTC compared the soil analytical results to the GB PMC.

4.2 Groundwater Criteria

DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water Maximum Concentration Limits (MCLs)

The Surface Water Discharge MCLs apply to groundwater remediation wastewater that is discharged to surface water. The potential exists for excavations located within the project corridor to be performed below the water table. In order to evaluate whether groundwater dewatered from various excavation would require special management, DTC compared the groundwater analytical results to the Surface Water Discharge MCLs that apply to discharge to a Class A surface water body.

5.0 SUMMARY AND EVALUATION OF ANALYTICAL DATA

5.1 Soil Sample Analytical Results

Soil analytical results for this Task 210 are summarized in Table 2 along with the regulatory criteria and are discussed below. The soil analytical laboratory reports are included in Appendix B.

ETPH

All nine soil samples were analyzed for ETPH. ETPH was detected above the method detection limit in five soil samples including RR-11 (2-2.5'), RR-12 (0-2.5'), RR-13 (0-2.7'), RR-13 (4-4.5'), and RR-13 (8-9'), at concentrations ranging from 32 to 530 mg/kg.

ETPH was detected at a concentration above the RES DEC of 500 mg/kg although below the I/C DEC and GB PMC of 2,500 mg/kg in RR-13 (0-2.7'). ETPH was not detected at concentrations above the RSR criteria in any of the remaining soil samples.

VOCs

Nine soil samples were analyzed for aromatic and halogenated VOCs by EPA Method 8260. VOCs were detected above the method detection limits in samples RR-12 (0-2.5') and RR-12 (19-21') but at concentrations that do not exceed the RSR criteria.

SVOCs

Nine soil samples were analyzed for SVOCs by EPA Method 8270. PAHs were detected above the method detection limits in eight samples. PAHs were detected at concentrations exceeding the RES DEC and GB PMC in samples RR-12 (0-2.5'), RR-13 (0-2.7'), and RR-13 (4-4.5').

Metals

Nine soil samples were analyzed for total RCRA 8 metals. Arsenic was detected at a concentration which exceeds the RES DEC and I/C DEC in sample RR-12 (0-2.5'). As summarized in Table 2, metals were not detected in any of the other soil samples at concentrations exceeding the RES DEC and I/C DEC.

Soil samples containing elevated concentrations of metals were additionally analyzed for specific leachable metals by SPLP for comparison to the GB PMC. Leachable lead was detected in samples RR-11 (2-2.5') and RR-12 (0-2.5') at concentrations below the GB PMC of 0.15 mg/l. Leachable arsenic was detected in sample RR-11 (2-2.5') at a concentration below the GB PMC of 0.5 mg/l.

Sample RR-12 (0-2.5') was additionally analyzed for leachable lead by TCLP to evaluate whether the soil contained hazardous levels of lead. Leachable lead was not detected above the method detection limit.

PCBs

Nine soil samples were analyzed for PCBs by EPA Method 8082. PCBs were not detected above the method detection limits in the soil samples.

Chlorinated Pesticides and Herbicides

Three soil samples were analyzed for chlorinated pesticides and one soil sample was analyzed for herbicides by EPA Method 8081 and 8151, respectively. Chlorinated pesticides and herbicides were not detected above the method detection limits in these soil samples.

5.2 Groundwater Sample Analytical Results

One groundwater sample was submitted for laboratory analysis during this Task 210 SSI. Groundwater analytical results are summarized in Table 3, along with the appropriate regulatory criteria. The groundwater analytical laboratory report is included in Appendix B.

Xylenes were detected above the method detection limit although below the RSR criteria and below the Surface Water Discharge MCL for total VOCs.

PAHs were detected at a total concentration of 723 ug/l, which is greater than the Surface Water Discharge MCL of 5 ug/l.

TPH was not detected above the Surface Water Discharge MCL.

Total and dissolved barium was detected at a concentration which exceeds the Surface Water Discharge MCL. Total lead, silver, copper, and zinc and dissolved lead and zinc were above the method detection limits although below the Surface Water Discharge MCLs.

PCBs and pesticides were not detected in the sample above the method detection limits.

5.3 Quality Assurance (QA)/Quality Control (QC) Results

Soil

Two trip blank samples were prepared at the laboratory and accompanied the soil sample containers from the laboratory, to the site, and back to the laboratory. The purpose of a trip blank sample is to evaluate the potential for cross-contamination during transport. The trip blank samples were analyzed for VOCs. VOCs were not detected in the trip blank samples, indicating that there was likely no cross-contamination of the samples during transportation.

A duplicate soil sample was obtained from one randomly selected soil sample interval to evaluate the accuracy of the laboratory analytical data. The duplicate was obtained from sample RR-13 (8-9') was analyzed for VOCs, SVOCs, ETPH, total RCRA 8 metals, and PCBs.

The results indicated that there was a 38.65 average Relative Percent Difference (RPD) in the PAHs concentrations and a 38.44 average RPD in the total metal concentrations, which are within the 50 RPD allowed for non-aqueous samples according to the DEP Laboratory QA/QC Guidance document, dated May 2009. There was a 54.55 RPD in the ETPH concentrations. This result suggests that the soil sample interval had a high degree of heterogeneity, and indicates the difficulty

in obtaining representative soil samples from a two foot sampling interval of relatively heterogeneous soil material. VOCs and PCBs were not detected in either the original sample RR-13 (8-9') or its duplicate.

All samples were analyzed using the DEP Reasonable Confidence Protocol (RCP), where applicable, and meet the RCP requirements. Therefore, all of the soil analytical data meet the requirements for Reasonable Confidence as defined by the DEP.

DTC also thoroughly reviewed the QA/QC report included with the laboratory analytical reports to evaluate the reliability of the analytical data. Please refer to the analytical reports for a detailed narrative discussion of the reliability of the data.

Groundwater

A field blank sample was collected by running de-ionized water directly into the laboratory provided sample containers. The purpose of a field blank sample is to evaluate the potential for cross-contamination due to the sampling jars or technique.

The field blank sample was analyzed for VOCs and TPH. VOCs were not detected in the field blank sample. TPH was detected at a higher concentration than the sample collected from well RR-13. The sample container of de-ionized water was used previously on another ConnDOT project on October 19, 2010. The other field blank sample was submitted to Spectrum Analytical, Inc. of Agawam, Massachusetts for ETPH analysis. ETPH was not detected in the October 19th sample. Therefore, it is likely that the cross-contamination occurred due to the sampling jars or at the laboratory.

A trip blank sample was prepared at the laboratory and accompanied the sample containers from the laboratory, to the site, and back to the laboratory. The purpose of a trip blank sample is to evaluate the potential for cross-contamination during transport. The trip blank sample was analyzed for VOCs. VOCs were not detected in the sample, indicating that there was likely no cross-contamination of the samples during transport.

A duplicate groundwater sample was obtained from the permanent well installed in boring RR-13 to evaluate the accuracy of the laboratory analytical data. The duplicate sample was analyzed for VOCs and TPH only. The results indicated that there was a 3.08 RPD in the total xylenes concentration, which is within the 30 RPD allowed for aqueous samples according to the DEP Laboratory QA/QC Guidance document, dated May 2009. There was a 31.58 RPD in the TPH concentration. The TPH results for the sample or its duplicate may have been affected by cross-contamination due to the sampling jars or at the laboratory (see above mentioned discussion of field blank results).

All samples were analyzed using the DEP Reasonable Confidence Protocol (RCP), where applicable, and meet the RCP requirements. Therefore, all of the groundwater analytical data meet the requirements for Reasonable Confidence as defined by the DEP.

DTC also thoroughly reviewed the QA/QC report included with the laboratory analytical results report to evaluate the reliability of the analytical data. Please refer to the analytical reports for a detailed narrative discussion of the reliability of the data.

6.0 POTENTIAL SOURCES OF CONTAMINATION, RECEPTORS, AND IDENTIFIED PRELIMINARY AREAS OF ENVIRONMENTAL CONCERN

The following provides a summary of the potential sources of soil and groundwater contamination identified during completion of this Task 210 SSI, an evaluation of potential pathways for migration, and the identification of preliminary Areas of Environmental Concern (AOECs) and Low-level Areas of Environmental Concern (LLAOECs) within the project area. The identified preliminary soil AOECs are depicted in Figure 2.

AOEC 1 – Contaminated Soil in the Vicinity of Boring RR-12 and RR-13

Total arsenic was detected at a concentration exceeding the RES DEC in the soil sample obtained from borings RR-12 at a depth ranging from 0 to 3 feet below grade. ETPH was detected at a concentration exceeding the RES DEC in the soil sample obtained from borings RR-13 at a depth ranging from 0 to 3 feet below grade. In addition, PAHs were detected at concentrations exceeding the RES DEC and GB PMC in borings RR-12 and RR-13 at depths ranging from 0 to 6 feet below grade. As previously discussed, the project will involve construction of high-level boarding platforms at the station and electrical improvements to support the introduction of electrified SLE Commuter Railroad service. Any soil excavated from this area should be handled as controlled material.

The source of the elevated levels of arsenic, ETPH, and PAHs is unknown, but may be related to the fill used for the railroad embankments, which contains traces of asphalt, and/or incidental releases of petroleum from long-term use for railroad operations.

Potential receptors of the impacted soil could include workers involved in the construction activities, particularly during excavation activities.

LLAOEC "A" – Low-level Soil in the Vicinity of Borings RR-11

Low-level PAHs and ETPH (at concentrations not exceeding the applicable RSR criteria) were detected in soil samples obtained from boring RR-11 at a depth of 0 to 12 feet below grade. PAHs and ETPH are common contaminants associated railroad embankments.

GW AOEC – Contaminated Groundwater in the Vicinity of Boring RR-13

PAHs were detected at a total concentration exceeding the Surface Water Discharge MCL of 5 ug/l in groundwater sample RR-13/GW.

It is unknown whether excavations will be performed below the water table during the project. However, based on the results of this investigation, if groundwater is encountered within the project area, it will require special management or treatment.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical data collected by DTC, a preliminary AOEC, LLAOEC, and GW AOEC were identified within the project corridor, as summarized below:

- Soil within AOEC 1 contains total arsenic at a concentration exceeding the RES DEC and PAHs at concentrations exceeding the RES DEC and GB PMC.
- Soil within LLAOEC "A" contains low-level PAHs and ETPH.
- Groundwater within the project area contains total PAHs at concentrations exceeding the Surface Water Discharge MCL and will require special management or treatment if encountered during excavations for the project.

Based on the results of this Task 210 SSI, DTC recommends that a Task 310 – Plans, Specifications, and Estimates be assigned to prepare plans and specifications for the proper management and disposal of contaminated materials that may be excavated, handled, transported, or disposed during construction activities and for the establishment of appropriate worker health and safety protocols.

8.0 LIMITATIONS

All work product and reports provided in connection with the performance of this Task 210 SSI are subject to the following limitations:

This investigation and report were conducted and prepared on behalf of, and for the exclusive use of, ConnDOT.

The observations, findings, and conclusions provided in this report were based on DTC's observations of the site conditions at the time of the investigation.

The conclusions summarized herein are based on the observations and investigations described within this report. Future events at the site or surrounding properties may alter these findings. This Task 210 SSI was designed specifically to evaluate soil and groundwater conditions within the project corridor and did not involve sampling and laboratory analysis of soil vapor, surface water, or sediment. Subsurface conditions beyond the project corridor were not evaluated as part of this Task 210 SSI.

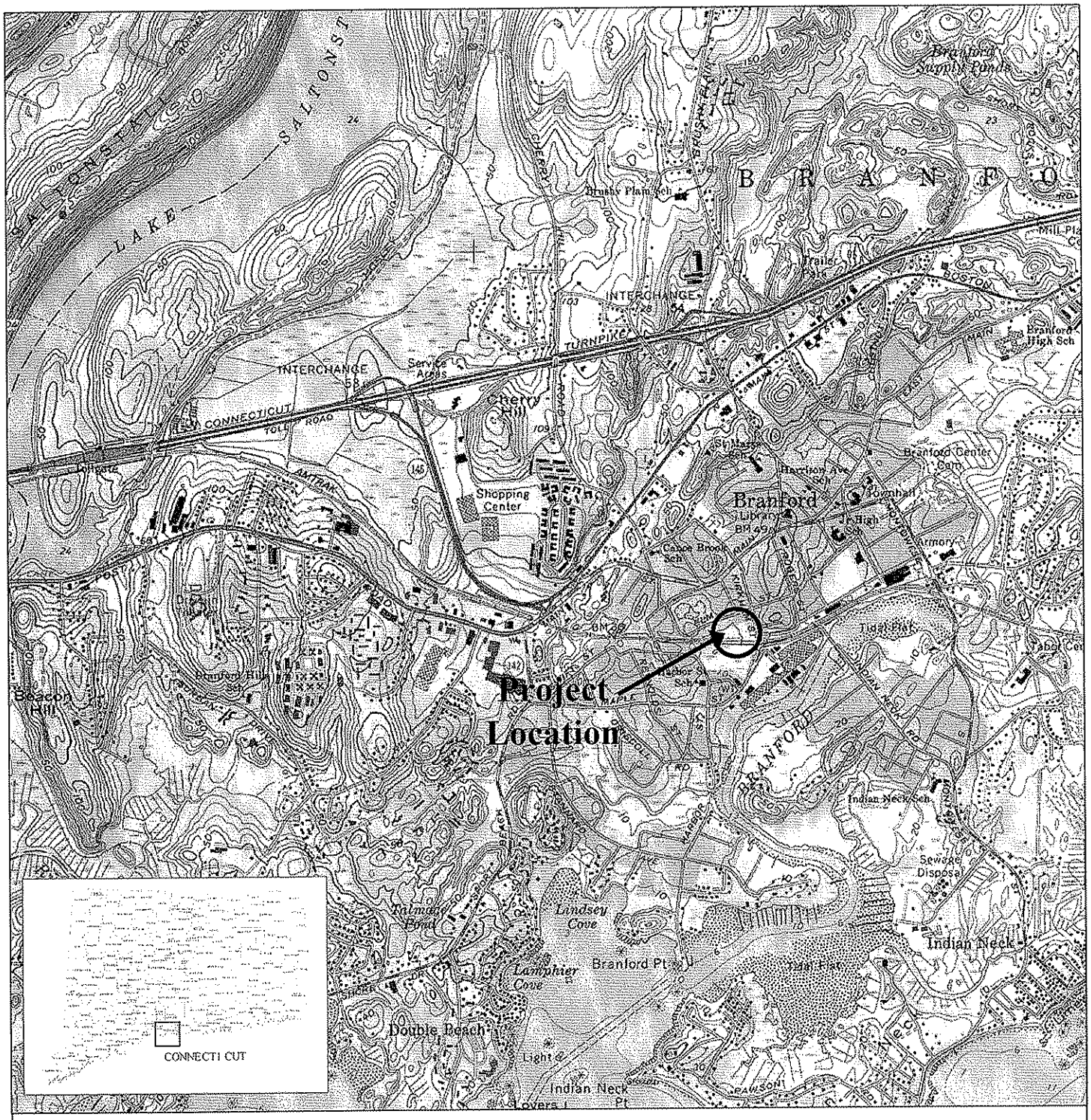
In completing this Task 210 SSI, DTC relied upon information provided by subcontractors (i.e. laboratories and drilling contractors). DTC has relied upon this information carefully; however, DTC provides no warranty regarding the accuracy and completeness of the information provided.

DTC has performed this study in a professional manner using a degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. The conclusions provided by DTC are based solely on the scope of work conducted and on observations and limited explorations described within this report at the time these services were conducted. No other warranty, expressed or implied, is made as to the professional opinions included by DTC in this report.

9.0 REFERENCES

1. State of Connecticut Department of Environmental Protection (CTDEP), Remediation Standard Regulations, Sections 22a-133k-1 through –3 of the Regulations of Connecticut State Agencies, effective January 30, 1996. Proposed Revisions, Connecticut's Remediation Standard Regulations, Volatilization Criteria, dated March 2003.
2. CTDEP, "Comprehensive List of Approved Additional Polluting Substances Criteria and Alternative Criteria", dated October 24, 2005.
3. CTDEP, "Water Quality Classifications Map of the Connecticut and Southcentral Coastal Basins", adopted 1993.
4. State of Connecticut Department of Transportation, Division of Environmental Compliance, "On-Call Contaminated Soil/Groundwater Scopes" manual, dated 2003.
5. Rogers, John, USGS, "Bedrock Geological Map of Connecticut", dated 1985.
6. Stone, J., USGS, "Surficial Materials Map of Connecticut", dated 1992.

FIGURES



USGS Quadrangle:, Branford (south) – Map 96

1 inch = 2,000 feet

N

Site Location Map

Shore Line East Station Enhancements

Branford, Connecticut

DTC Project No. 09-188-03E

December 2010

Figure 1

Diversified Technology Consultants, Inc.
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PRELIMINARY SOIL LLAOEC "A"

PRELIMINARY SOIL AOEC 1

BN-1

CONC PLATFORM

RR-11

Wood Plank End wall

CAT 81/5

RR-12

RR-13

Field Locate

Approximate AMTRACK Baseline

BIT-3

IP (FND)

BN-3

SPUR-C

APPROX

S87°34'32.7"E

471+00

472+00

473+00

SPUR-D

CONC PLATFORM

BN-2

PIPE FENCE

GRAVEL

CAT 81/6

BN-4

BIT WALKWAY

CONC METAL LADDER

GRAVEL

18" MP

FL=8.95

EDGE OF WATER

WALL CONC

CONC

CONC

GRAVEL

RR UTILITY

GRAVEL

BRUSH

RUBBER SAFETY STRIP

RUBBER STRIP

SPUR-E

CHAIN WIRE FENCE

ENTIRE PROJECT AREA –
PRELIMINARY GROUNDWATER AOEC

LEGEND

- RAILROAD TRACKS
- FENCE
- BN-1 — EXISTING SOIL BORING
- RR-11 — SOIL BORING
- RR-13/GW — SOIL BORING / MONITORING WELL
- AREA OF ENVIRONMENTAL CONCERN
- LOW LEVEL AREA OF ENVIRONMENTAL CONCERN

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

REFERENCE:

1. "DEPARTMENT OF TRANSPORTATION, SHORE LINE EAST RAILROAD STATIONS, RAILROAD BORING LOCATION PLAN (SLE-1), BRANFORD, CT" BY: GEODESIGN, INC., DATED 5-18-07, SCALE: 1"=20'

DTC PROJECT NUMBER: 09-188-07E
DTC DRAWING FILE: FIGURE 2
SCALE: 1"=20' DRAWN BY: STG
DATE: 12/3/10 CHECKED BY: JK

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SOIL BORING AND GROUNDWATER SAMPLE LOCATIONS

SHORE LINE EAST
RAILROAD STATION
BRANFORD, CT

FIGURE 2

TABLES

TABLE 1

Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

Shore Line East Station Enhancements

Branford, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (8260)	SVOCs (8270)	ETPH	RCRA 8 Metals	SPLP Pb	TCLP Pb	SPLP As	PCBs (8082)	Pesticides (8081)	Herbicides (8151)
RR-11	2-2.5	Northern Side of Tracks/Vicinity of Proposed Platform	X	X	X	X	X			X	X	
	5-5.5		X	X	X	X				X		
	10-10.33		X	X	X	X				X		
RR-12	0-2.5	Northern Side of Tracks/Vicinity of Proposed Platform	X	X	X	X	X	X	X	X	X	X
	7-7.6		X	X	X	X				X		
	19-21		X	X	X	X				X		
RR-13	0-2.7	Northern Side of Tracks/Vicinity of Proposed Platform	X	X	X	X				X	X	
	4-4.5		X	X	X	X				X		
	8-9		X	X	X	X				X		
Duplicate RR-13 (8-9)	--	--	X	X	X	X				X		
Trip Blanks (2)	--	--	X									

TABLE 1

Sample Location Rationale and Selected Analyses

Task 210 – Subsurface Site Investigation

Shore Line East Station Enhancements

Branford, Connecticut

Sample Identification	Sample Interval (feet)	Location Rationale	VOCs (624)	SVOCs (625)	TPH (1664)	PCBs and Pesticides (608)	Total RCRA 8 Metals (200.7)	Dissolved RCRA 8 Metals (200.7)
RR-13/GW	--	Northern Side of Tracks/Vicinity of Proposed Platform	X	X	X	X	X	X
Duplicate	--	--	X		X		X	X
Field Blank	--	--	X		X			
Trip Blank	--	--	X					

TABLE 2

Soil Sample Analytical Results

Task 210 - Subsurface Site Investigation
Shore Line East Station Enhancements
Branford, Connecticut

Parameters	Remediation Standard Regulations			sample #	RR-11	RR-11	RR-11	RR-12	RR-12	RR-12	RR-13	RR-13	RR-13	Duplicate	Trip	Trip
					2-2.5'	5-5.5'	10-10.33'	0-2.5'	7-7.6'	19-21'	0-2.7'	4-4.5'	8-9'	RR-13 8-9'	Blank	Blank
	RES DEC	I/C DEC	GB PMC		10/17/10	10/17/10	10/17/10	10/19/10	10/19/10	10/19/10	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	10/17 to 10/19/10
VOCs per EPA 8260 (mg/kg)																
1,2,4-Trimethylbenzene	500	2,500	7		--	--	--	0.41	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	500	1,000	7		--	--	--	0.13	--	--	--	--	--	--	--	--
Benzene	21	200	0.2		--	--	--	0.12	--	--	--	--	--	--	--	--
Carbon Disulfide	500	1,000	140		--	--	--	--	--	0.034	--	--	--	--	--	--
Ethylbenzene	500	1,000	10.1		--	--	--	0.15	--	--	--	--	--	--	--	--
Isopropylbenzene	NE	NE	NE		--	--	--	0.13	--	--	--	--	--	--	--	--
Naphthalene	1,000	2,500	56		--	--	--	0.62	--	--	--	--	--	--	--	--
n-Butylbenzene	500	1,000	14		--	--	--	0.063	--	--	--	--	--	--	--	--
n-Propylbenzene	500	1,000	14		--	--	--	0.14	--	--	--	--	--	--	--	--
Toluene	500	1,000	67		--	--	--	0.61	--	--	--	--	--	--	--	--
Total Xylenes	500	1,000	19.5		--	--	--	1.21	--	--	--	--	--	--	--	--
SVOCs per EPA 8270 (mg/kg)															*NA*	*NA*
2-Methylnaphthalene	474	2,500	9.8		0.3	--	--	1.1	--	--	--	--	--	--		
Acenaphthylene	1,000	2,500	84		--	--	--	0.48	--	--	1.1	0.75	--	--		
Anthracene	1,000	2,500	400		--	0.47	--	0.34	--	--	0.9	1.2	--	--		
Benzo (a) anthracene	1	7.8	1		0.39	0.36	--	**1.6**	--	--	**3.2**	**2.4**	0.77	--		
Benzo (a) pyrene	1	1	1		0.36	0.26	--	**1.4**	--	--	**2.9**	**1.8**	--	--		
Benzo (b) fluoranthene	1	7.8	1		0.67	0.41	0.44	**2.9**	--	--	**4**	**2.4**	0.73	--		
Benzo (g,h,i) perylene	1,000	2,500	42		0.36	--	--	0.8	--	--	1	0.7	--	--		
Benzo (k) fluoranthene	8.4	78	1		--	--	--	0.79	--	--	**1.4**	0.84	--	--		
Bis (2-ethylhexyl) phthalate	44	410	NE		0.78	--	0.9	--	0.74	--	--	--	--	--		
Chrysene	84	780	1		0.53	0.38	--	**2.1**	--	--	**3**	**2.2**	0.7	--		
Dibenzofuran	270	2,500	5.6		--	--	--	0.41	--	--	--	--	--	--		
Fluoranthene	1,000	2,500	56		0.72	0.71	0.55	3	--	--	6.8	6.5	1.8	0.98		
Fluorene	1,000	2,500	56		--	--	--	--	--	--	--	1.1	--	--		
Indeno (1,2,3-cd) pyrene	1	7.8	1		0.32	--	--	0.81	--	--	1	0.69	--	--		
Naphthalene	1,000	2,500	56		--	--	--	0.8	--	--	--	--	--	--		
Phenanthrene	1,000	2,500	40		0.54	0.66	0.74	1.8	--	--	3.1	6.3	1.5	0.7		
Pyrene	1,000	2,500	40		0.55	0.58	--	2.4	--	--	6	4.9	1.3	0.73		
ETPH per CTDEP method (mg/kg)	500	2,500	2,500		41	--	--	170	--	--	530	70	56	32	*NA*	*NA*
Total 8 RCRA Metals per EPA 6010 & 7471 (mg/kg)															*NA*	
Arsenic	10	10	NE		5.9	2.3	1.7	**13.8**	1.3	6.7	1.4	1.6	1.5	1.8		
Barium	4,700	140,000	NE		53.3	42.2	46.1	61	34	53.3	40.8	44.1	14.4	28.9		
Cadmium	34	1,000	NE		--	--	--	--	--	--	--	--	--	--		
Total Chromium	NE	NE	NE		15.9	14.4	13.7	15.4	10.9	39.6	16.4	14.4	11.7	16		
Mercury	20	610	NE		--	--	--	--	--	--	--	0.28	--	--		
Lead	500	1,000	NE		54.2	23.1	19.2	83.9	7.28	11.4	27	48	10.6	15.5		
Silver	340	10,000	NE		--	--	--	--	--	--	--	--	--	--		
Selenium	340	10,000	NE		--	--	--	--	--	--	--	--	--	--		
SPLP Metals per EPA 6010 (mg/l)						*NA*	*NA*		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Arsenic	*NA*	*NA*	0.5		*NA*			0.006								
Lead	*NA*	*NA*	0.15		0.028			0.02								
TCLP Metals per EPA 6010 (mg/l)					*NA*	*NA*	*NA*		*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Lead	*NA*	*NA*	5*					--								
PCBs per EPA 8082 (mg/kg)	1	10	*NA*		--	--	--	--	--	--	--	--	--	--	*NA*	*NA*
Chlorinated Herbicides per EPA 8151 (mg/kg)	Various	Various	Various		*NA*	*NA*	*NA*	--	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*	*NA*
Chlorinated Pesticides per EPA 8081 (mg/kg)	Various	Various	Various		--	*NA*	*NA*	--	*NA*	*NA*	--	*NA*	*NA*	*NA*	*NA*	*NA*

Notes:
RES DEC = Residential Direct Exposure Criteria.
I/C DEC = Industrial/Commercial Direct Exposure Criteria.
GA PMC = GA Pollutant Mobility Criteria.
VOCs = Volatile Organic Compounds.
SVOCs = Semi-volatile Organic Compounds.
ETPH = Extractable Total Petroleum Hydrocarbons.
SPLP = Synthetic Precipitation Leaching Procedure.
TCLP = Toxicity Characteristic Leaching Procedure.
PCBs = Polychlorinated Biphenyls.
mg/kg = milligrams per kilogram.
mg/l = milligrams per liter.
* RCRA Characteristically Hazardous Waste Regulatory Limit
-- = not detected, see laboratory reports for specific detection limits.
NA = not applicable / not analyzed for this compound.
NE = Criteria not established.
Shaded values indicate an exceedance of the RES DEC.
Bold values indicate an exceedance of the GA PMC.

TABLE 3
Groundwater Sample Analytical Results
Task 210 - Subsurface Site Investigation
Shore Line East Station
Branford, Connecticut

Parameters	SW Discharge MCL	RR-13 10/21/10	Duplicate (RR-13) 10/21/10	Field Blank 10/21/10	Trip Blank 10/21/10
Total VOCs per EPA 624 (ug/l)					
Xylenes	NE	3.3	3.2	--	--
Total VOCs	10	3.3	3.2	--	--
Total SVOCs per EPA 625 (ug/l)			*NA*	*NA*	*NA*
Acenaphthene	NE	27			
Fluorene	NE	30			
Naphthalene	NE	630			
Phenathrene	NE	36			
Total PAHs	5	**723**			
TPH per EPA 1664 (ug/l)	5,000	2,200	1,600	2,300	*NA*
Total Metals per EPA 200.7 (ug/l)				*NA*	*NA*
Arsenic	0.021	<4	<4		
Barium	NE	242	240		
Cadmium	10	--	--		
Total Chromium	342	--	--		
Mercury	1	--	--		
Lead	9.8	6	3		
Silver	5	1	--		
Selenium	40	--	--		
Copper	48	2	1		
Zinc	322	47	46		
Dissolved Metals per EPA 200.7 (ug/l)				*NA*	*NA*
Arsenic	0.021	<4	<4		
Barium	NE	251	253		
Cadmium	10	--	--		
Total Chromium	342	--	1		
Mercury	1	--	--		
Lead	9.8	3	3		
Silver	5	--	--		
Selenium	40	--	--		
Copper	48	--	--		
Zinc	322	47	46		
Total PCBs per EPA 608 (ug/l)	0.1	<0.5	*NA*	*NA*	*NA*
Total Pesticides per EPA 608 (ug/l)	Various	--	*NA*	*NA*	*NA*

Notes:
SW Discharge MCL = maximum concentration limits listed in the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water, dated February 9, 2005.
VOCs = Volatile Organic Compounds.
SVOCs = Semi-volatile Organic Compounds.
TPH = Total Petroleum Hydrocarbons.
PCBs = Polychlorinated Biphenyls.
ug/l = micrograms per liter.
-- = not detected, see laboratory reports for specific detection limits (Detection Limit < Criteria).
NA = not analyzed for this parameter.
NE = no criteria established.
Bold and shaded values indicate an exceedance of RSR criteria or the DEP General Permit for Discharge of Groundwater Remediation Wastewater Directly to Surface Water MCLs.

APPENDIX A

Soil Boring Logs, Monitoring Well Completion Diagram, and Groundwater Sampling Log

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 10-17-10
Date Completed: 10-17-10

BORING No. RR-11

Project: SLE Station Enhancements Task 210
Location: Branford, CT

Method of investigation: Split Spoon

Project No.: 09-188-07E
P. Manager: Joy Kloss
Drilling Co.: SoilTesting, Inc.
Geologist: J. Kloss
Driller: Matt
D. Helper: Dave
Drill Rig: Track Rig
Weather: mid 50's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2			8		0	No Recovery (Gray C gravel)		
			6					
			4					
			3					
2-4		2-2.3	5		6	Blk M SAND, trace F gravel		
			4					
	1	2.3-2.5	3			Blk M SAND, trace silt and F gravel	0.3	
			2					
5-7	2	5-5.5	4		6	Br F SAND, trace F gravel	0.2	
			1					
			2					
			3					
7-9		7-7.3	2		6	Br F-M SAND		Groundwater observed @ 7.5'
			2					
	3	7.3-7.5	1			Or Br M SAND (wet @ 7.5')	0.7	
			1					
10-12	4	10-10.33	6		4	Br F-M SAND, some silt	4.3	
			3					
			3					
			5					
12-14	5	12-13.2	6		14	Br M-C SAND with cobbles	2.5	
			7					
			8					
			9					
						END OF BORING @ 14'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
Drilling wash water introduced at 14 feet, no env samples collected for analysis beyond this point.

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 10-19-10
Date Completed: 10-19-10

BORING No. RR-12

Project: SLE Station Enhancements Task 210
Location: Branford, CT

Method of investigation: Split Spoon

Project No.: 09-188-07E
P. Manager: Joy Kloss
Drilling Co.: SoilTesting, Inc.
Geologist: J. Kloss
Driller: Matt
D. Helper: Dave
Drill Rig: Track Rig
Weather: mid 40's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2		0-0.5	3		5	Blk M-C SAND		
			4					
			6					
			5					
2-4	1	2-2.5	3		5	Br F-M SAND, trace silt	0.0	
			2					
			4					
			2					
5-7	2	5-6	4		9	Br F-C SAND	0.0	
			4					
			3					
			4					
7-9	3	7-7.6	4		7	SAA (wet @ 7.5')	0.0	Groundwater observed @ 7.5'
			2					
			2					
			4					
10-12		10-10.3	WOR		8	Br F-C SAND with F gravel (wet)		
			5					
	4	10.3-10.7	3			Br F-M SAND and SILT (wet)	0.0	
			6					
12-14		12-12.5	1		13.5	Gray silty CLAY (wet)		
		12.5-12.75	2			Br F-M SAND and SILT (wet)		
			1					
	5	12.75-13.5	2			Gray silty CLAY, with organics (wet) (sulfur odor)	0.0	
15-17		15-15.25	WOR		23	SAA		
			WOR					
	6	15.25-17	1			Gray silty CLAY (wet) (sulfur odor)	0.0	
			1					
19-21	7	19-21	WOR		24	SAA	0.0	
			WOR					
			WOR					
			WOR					
						END OF BORING @ 21'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
Drilling wash water introduced at 21 feet, no env samples collected for analysis beyond this point.

ENGINEERED SOLUTIONS — LAND STRUCTURES WATER

DIVERSIFIED TECHNOLOGY CONSULTANTS

Subsurface Log

Sheet 1 of 1

Date started: 10-14-10
Date Completed: 10-14-10

BORING No. RR-13

Project: SLE Station Enhancements Task 210
Location: Branford, CT

Method of investigation: Split Spoon

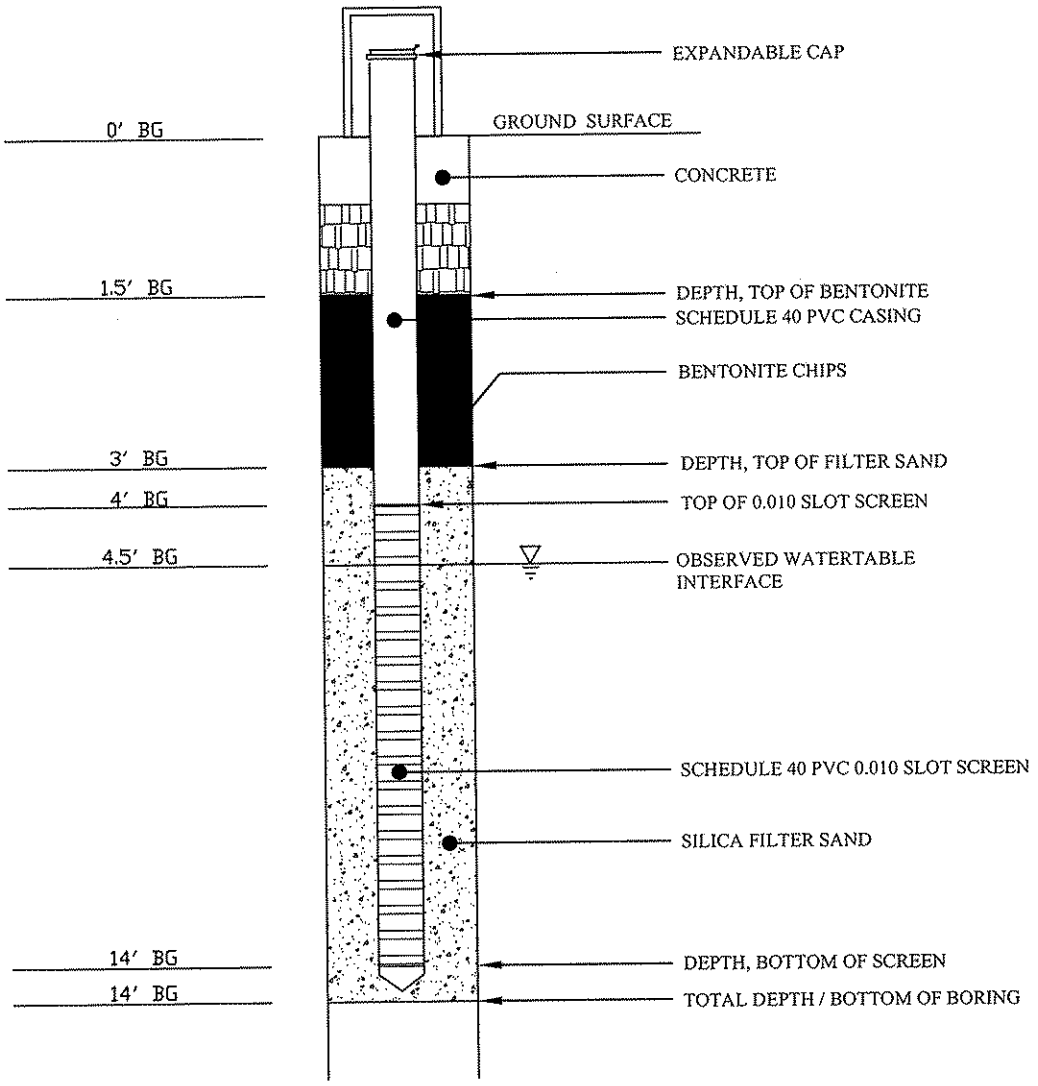
Project No.: 09-188-07E
P. Manager: Joy Kloss
Drilling Co.: SoilTesting, Inc.
Geologist: J. Kloss
Driller: Matt
D. Helper: Dave
Drill Rig: Track Rig
Weather: mid 50's

Depth (ft.)	Sample No.	Sample Depth (ft.)	Blows per 6"	"N"	Recovery (in.)	Sample Description	Field Analytical Readings	Groundwater and Other Observations
0-2		0-0.66	3		8	Br M SAND, little silt, trace C gravel (fill)		
			6					
			12					
			12					
2-4	1	2-2.7	21		9	Br M SAND, trace silt, with asphalt (fill)	0.0	
			17					
			16					
			9					
4-6	2	4-4.5	2		6	Br M-C SAND, trace silt, with organics (wet @ 4.5')	0.0	Groundwater observed @ 4.5'
			3					
			3					
			4					
6-8	3	6-6.6	2		8	Blk M SAND with organics (wet)	0.2	
			2					
			4					
			6					
8-10		8-8.8	6		12	Br/Blk M-C SAND, trace F gravel, with organics (wet)		
			3					
	4	8.8-9	1			Gray silty CLAY, with organics (wet)	0.0	Duplicate
			1					
10-12			2		0	No Recovery		
			1					
			2					
			1					
						END OF BORING @ 12'		

Sample Types:
S=Split Spoon: _____ T= Shelby Tube: _____
R= Rock Core: _____ O = Other: _____
N = ASTM D1586

Comments:
Drilling wash water introduced at 12 feet, no env samples collected for analysis beyond this point. This boring was completed as a monitoring well.

MONITORING WELL COMPLETION DIAGRAM	SHEET: 1 OF 1	DATE COMPLETED: 10-14-10	WELL I.D.: RR-13
	DRILLING COMPANY: SOIL TESTING, INC.	DRILLER: MATT HELPER: DAVE	DRILL RIG: TRACK MOUNTED RIG
	DTC GEOLOGIST: JPK	PROJECT MANAGER: J. KLOSS	METHOD OF INVESTIGATION: HSA
BACKFILL WELL KEY: NATIVE BACKFILL, GROUT, BENTONITE, FILTER SAND			WEATHER: MID 50's



NOT TO SCALE

CONSTRUCTION NOTES:

1-INCH DIAMETER WELL, 10' OF SCREEN, FINISHED WITH STANDPIPE. MONITORING WELL WAS SET BY GEODESIGN.

DIVERSIFIED TECHNOLOGY CONSULTANTS
2321 Whitney Avenue - Hamden Center II - Hamden CT 06518
Ph: 203 239 4200 Fax: 203 234 7376

SLE STATION ENHANCEMENTS
Branford, CONNECTICUT

DRAWN BY: JK
DATE: 10-27-10

DTC No.: 09-188-07E
DWG. FILE: RR-13.DWG

GROUNDWATER SAMPLING LOG

ENGINEERED SOLUTIONS — dtc — LAND STRUCTURES WATER

WELL / SAMPLE NO.: RR-13
Sampling Sequence:

DATE: 10/21/10
Weather Conditions:

WELL LOCATION:

SITE NAME: Branford SLE
ADDRESS: Branford, CT
PROJECT NO.: 09-188-07E
SAMPLING TEAM: J. Kloss

WELL CONDITION

Protective Casing: (Intact) / Damaged *Locked:* Yes / (No)

Well # Visible: Yes (No) *Well Cap:* Okay / Damaged

Water Between Steel & PVC: Yes / (No) *Ponding Around Well:* Yes / (No)

Lock Condition: Okay / Damaged *PVC Riser Condition:* (Okay) / Damaged

Concrete Base: (Intact) / Damaged *Well Diameter:* 2" 4" 6" 8" (1")

Well Material: (PVC) / Steel / Other _____

ELEVATION DATA

(Total Depth: 16.3 ft) – (Depth to Water: 7.30 ft) = (Height: _____ ft)

(Height: _____ ft) X (Well Dia Ftr: _____ gal/ft) = (Well Volume: _____ gal)

(Well Volume: _____ gal) X (1 2 3) = _____ gallons to be purged

Well Diameter Factors: (gallons/ft)			
	1.5" = 0.1	2" = 0.16	4" = 0.6
	5.75" = 1.35	6" = 1.47	8" = 2.6

Pre-purge Water Column Observations: Floating Product: Yes / No

Odor: (Yes) / No *Product Thickness:* _____

Comments:

~~H.05~~ Creosote odor

SAMPLE DATA

Sample Method:	CT Low-Flow		
Pump Type:	Peristaltic Pump	Sample Depth:	
Controller:		Field Filtered:	No
Compressor:		Filter Method:	NA
Controller Setting:		LNAPLs (ft):	
Flow Rate:		DNAPLs (ft):	11.65-16.3
Draw Down (ft):		Total Purge Vol.	

BOTTLES / ANALYTICAL PARAMETERS:

Container:	*Quantity*	*Preserv.*	*Parameters:*

GROUNDWATER MONITORING

Time	*Volume*	*Temp.*	*pH*	*Specific Conductance*	*Turbidity*	*Dissolved Oxygen*	*ORP*	
	-		-					
0950	Initial	15.85	5.76	15.73	70.9	1.18	-84.1	
0956	1st	15.58	5.72	~~15.55~~ 14.11	33.0	0.49	-89.0	
1001	2nd	15.34	5.72	13.90	12.5	0.28	-84.9	
1006	3rd	15.31	5.70	13.83	3.76	0.30	-86.2	
1011	4th	15.27	5.68	14.07	0.92	0.18	-84.6	
1016	5th	15.24	5.67	13.94	1.08	0.21	-82.3	
	6th							
	7th							
	8th							
		3%	±0.1	3%	±10% or ≤ 5 NTU	10%	±10 mV	

ADDITIONAL COMMENTS:

Sample @ 1030

APPENDIX B

Soil and Groundwater Analytical Laboratory Reports

PHOENIX
Environmental Laboratories, Inc.

Thursday, November 04, 2010

Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Project ID: BRANFORD SLE 09-188-7E
Sample ID#s: AZ67942 - AZ67943, AZ67945, AZ67947, AZ67949, AZ67952 - AZ67954

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/17/10	22:45
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67942

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-11 (2-2.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	5.9	0.8	mg/Kg	10/22/10		LK	6010/200.7
Barium	53.3	0.40	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.40	0.40	mg/Kg	10/22/10		LK	6010/200.7
Chromium	15.9	0.40	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	10/22/10		RS	SW-7471
Lead	54.2	0.40	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	10/22/10		LK	6010/200.7
SPLP Lead	0.028	0.010	mg/L	10/29/10		EK	E1312/SW6010
Percent Solid	89		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for Pesticide	Completed			10/20/10		QB	SW3545
Soil Extraction for SVOA	Completed			10/20/10		QS	SW3545
Extraction of CT ETPH	Completed			10/20/10		QS/D	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
SPLP Extraction for Metals	Completed			10/28/10		X	EPA 1312
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
SPLP Metals Digestion	Completed			10/29/10		X	SW846-3005
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,1,1-Trichloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	4.0	ug/Kg	10/23/10		R/L	SW8260
1,1,2-Trichloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloroethene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloropropene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (2-2.5)

Phoenix I.D.: AZ67942

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2,3-Trichlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2,3-Trichloropropane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichloropropane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,3-Dichlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,3-Dichloropropane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
1,4-Dichlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
2,2-Dichloropropane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
2-Chlorotoluene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
2-Hexanone	ND	33	ug/Kg	10/23/10		R/L	SW8260
2-Isopropyltoluene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
4-Chlorotoluene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
4-Methyl-2-pentanone	ND	33	ug/Kg	10/23/10		R/L	SW8260
Acetone	ND	130	ug/Kg	10/23/10		R/L	SW8260
Acrylonitrile	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Benzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Bromobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Bromochloromethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Bromodichloromethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Bromoform	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Bromomethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Carbon Disulfide	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Carbon tetrachloride	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Chlorobenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Chloroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Chloroform	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Chloromethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Dibromochloromethane	ND	4.0	ug/Kg	10/23/10		R/L	SW8260
Dibromoethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Dibromomethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Dichlorodifluoromethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Ethylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Hexachlorobutadiene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Isopropylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
m&p-Xylene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Methyl Ethyl Ketone	ND	40	ug/Kg	10/23/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	13	ug/Kg	10/23/10		R/L	SW8260
Methylene chloride	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Naphthalene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
n-Butylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
n-Propylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
o-Xylene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
p-Isopropyltoluene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (2-2.5)

Phoenix I.D.: AZ67942

Parameter	Result	RL	Units	Date	Time	By	Reference
sec-Butylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Styrene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
tert-Butylbenzene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Tetrachloroethene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	13	ug/Kg	10/23/10		R/L	SW8260
Toluene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Total Xylenes	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	13	ug/Kg	10/23/10		R/L	SW8260
Trichloroethene	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Trichlorofluoromethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Trichlorotrifluoroethane	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
Vinyl chloride	ND	6.6	ug/Kg	10/23/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	10/23/10		R/L	SW8260
% Bromofluorobenzene	93		%	10/23/10		R/L	SW8260
% Dibromofluoromethane	108		%	10/23/10		R/L	SW8260
% Toluene-d8	100		%	10/23/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Chlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Methylnaphthalene	300	260	ug/Kg	10/21/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
2-Nitrophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	10/21/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	440	ug/Kg	10/21/10		KCA	SW 8270
3-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	10/21/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Chloroaniline	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (2-2.5)

Phoenix I.D.: AZ67942

Parameter	Result	RL	Units	Date	Time	By	Reference
Acenaphthylene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Acetophenone	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Aniline	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Anthracene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Azobenzene	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Benz(a)anthracene	390	260	ug/Kg	10/21/10		KCA	SW 8270
Benzidine	ND	440	ug/Kg	10/21/10		KCA	SW 8270
Benzo(a)pyrene	360	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(b)fluoranthene	670	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(ghi)perylene	360	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzoic acid	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	780	260	ug/Kg	10/21/10		KCA	SW 8270
Carbazole	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Chrysene	530	260	ug/Kg	10/21/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Dibenzofuran	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Diethyl phthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Dimethylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Fluoranthene	720	260	ug/Kg	10/21/10		KCA	SW 8270
Fluorene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachloroethane	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	320	260	ug/Kg	10/21/10		KCA	SW 8270
Isophorone	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Nitrobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Pentachlorophenol	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Phenanthrene	540	260	ug/Kg	10/21/10		KCA	SW 8270
Phenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Pyrene	550	260	ug/Kg	10/21/10		KCA	SW 8270
Pyridine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	110		%	10/21/10		KCA	SW 8270
% 2-Fluorobiphenyl	77		%	10/21/10		KCA	SW 8270
% 2-Fluorophenol	82		%	10/21/10		KCA	SW 8270
% Nitrobenzene-d5	80		%	10/21/10		KCA	SW 8270
% Phenol-d5	85		%	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (2-2.5)

Phoenix I.D.: AZ67942

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	61		%	10/21/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	41	11	mg/Kg	10/21/10		JRB	CT ETPH/8015
Identification	**		mg/Kg	10/21/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	84		%	10/21/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1221	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1232	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1242	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1248	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1254	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1260	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1262	ND	370	ug/Kg	10/26/10		MH	SW 8082
PCB-1268	ND	370	ug/Kg	10/26/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	110		%	10/26/10		MH	SW 8082
% TCMX	90		%	10/26/10		MH	SW 8082
Pesticides							
4,4' -DDD	ND	7.2	ug/Kg	10/25/10		MH	SW8081
4,4' -DDE	ND	7.2	ug/Kg	10/25/10		MH	SW8081
4,4' -DDT	ND	7.2	ug/Kg	10/25/10		MH	SW8081
a-BHC	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Alachlor	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Aldrin	ND	1.1	ug/Kg	10/25/10		MH	SW8081
b-BHC	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Chlordane	ND	11	ug/Kg	10/25/10		MH	SW8081
d-BHC	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Dieldrin	ND	1.1	ug/Kg	10/25/10		MH	SW8081
Endosulfan I	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Endosulfan II	ND	7.2	ug/Kg	10/25/10		MH	SW8081
Endosulfan sulfate	ND	7.2	ug/Kg	10/25/10		MH	SW8081
Endrin	ND	7.2	ug/Kg	10/25/10		MH	SW8081
Endrin aldehyde	ND	7.2	ug/Kg	10/25/10		MH	SW8081
Endrin ketone	ND	7.2	ug/Kg	10/25/10		MH	SW8081
g-BHC	ND	1.1	ug/Kg	10/25/10		MH	SW8081
Heptachlor	ND	2.2	ug/Kg	10/25/10		MH	SW8081
Heptachlor epoxide	ND	3.6	ug/Kg	10/25/10		MH	SW8081
Methoxychlor	ND	36	ug/Kg	10/25/10		MH	SW8081
Toxaphene	ND	36	ug/Kg	10/25/10		MH	SW8081
QA/QC Surrogates							
% DCBP	86		%	10/25/10		MH	SW8081
% TCMX	53		%	10/25/10		MH	SW8081

Project ID: BRANFORD SLE 09-188-7E

Phoenix I.D.: AZ67942

Client ID: RA-11 (2-2.5)

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/17/10	22:50
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67943

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-11 (5-5.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.34	0.34	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	2.3	0.7	mg/Kg	10/22/10		LK	6010/200.7
Barium	42.2	0.34	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.34	0.34	mg/Kg	10/22/10		LK	6010/200.7
Chromium	14.4	0.34	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.06	0.06	mg/Kg	10/22/10		RS	SW-7471
Lead	23.1	0.34	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 1.4	1.4	mg/Kg	10/22/10		LK	6010/200.7
Percent Solid	90		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for SVOA	Completed			10/20/10		QS	SW3545
Extraction of CT ETPH	Completed			10/20/10		QS/D	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,1,1-Trichloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	3.4	ug/Kg	10/22/10		H/L	SW8260
1,1,2-Trichloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloroethene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloropropene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2,3-Trichloropropane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (5-5.5)

Phoenix I.D.: AZ67943

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichloropropane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,3-Dichlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,3-Dichloropropane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
1,4-Dichlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
2,2-Dichloropropane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
2-Chlorotoluene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
2-Hexanone	ND	28	ug/Kg	10/22/10		H/L	SW8260
2-Isopropyltoluene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
4-Chlorotoluene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
4-Methyl-2-pentanone	ND	28	ug/Kg	10/22/10		H/L	SW8260
Acetone	ND	110	ug/Kg	10/22/10		H/L	SW8260
Acrylonitrile	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Benzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Bromobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Bromochloromethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Bromodichloromethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Bromoform	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Bromomethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Carbon Disulfide	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Carbon tetrachloride	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Chlorobenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Chloroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Chloroform	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Chloromethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Dibromochloromethane	ND	3.4	ug/Kg	10/22/10		H/L	SW8260
Dibromoethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Dibromomethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Dichlorodifluoromethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Ethylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Hexachlorobutadiene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Isopropylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
m&p-Xylene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Methyl Ethyl Ketone	ND	34	ug/Kg	10/22/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	10/22/10		H/L	SW8260
Methylene chloride	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Naphthalene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
n-Butylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
n-Propylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
o-Xylene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
p-Isopropyltoluene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
sec-Butylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Styrene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
tert-Butylbenzene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Tetrachloroethene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (5-5.5)

Phoenix I.D.: AZ67943

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	11	ug/Kg	10/22/10		H/L	SW8260
Toluene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Total Xylenes	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	10/22/10		H/L	SW8260
Trichloroethene	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Trichlorofluoromethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Trichlorotrifluoroethane	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
Vinyl chloride	ND	5.7	ug/Kg	10/22/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	104		%	10/22/10		H/L	SW8260
% Bromofluorobenzene	94		%	10/22/10		H/L	SW8260
% Dibromofluoromethane	105		%	10/22/10		H/L	SW8260
% Toluene-d8	96		%	10/22/10		H/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dichlorophenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dimethylphenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrophenol	ND	580	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2-Chloronaphthalene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2-Chlorophenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2-Methylnaphthalene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	250	ug/Kg	10/21/10		KCA	SW 8270
2-Nitroaniline	ND	580	ug/Kg	10/21/10		KCA	SW 8270
2-Nitrophenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	360	ug/Kg	10/21/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	430	ug/Kg	10/21/10		KCA	SW 8270
3-Nitroaniline	ND	580	ug/Kg	10/21/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	360	ug/Kg	10/21/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
4-Chloroaniline	ND	250	ug/Kg	10/21/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	250	ug/Kg	10/21/10		KCA	SW 8270
4-Nitroaniline	ND	580	ug/Kg	10/21/10		KCA	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthylene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Acetophenone	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Aniline	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Anthracene	470	250	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (5-5.5)

Phoenix I.D.: AZ67943

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	360	ug/Kg	10/21/10		KCA	SW 8270
Benz(a)anthracene	360	250	ug/Kg	10/21/10		KCA	SW 8270
Benzidine	ND	430	ug/Kg	10/21/10		KCA	SW 8270
Benzo(a)pyrene	260	250	ug/Kg	10/21/10		KCA	SW 8270
Benzo(b)fluoranthene	410	250	ug/Kg	10/21/10		KCA	SW 8270
Benzo(ghi)perylene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Benzo(k)fluoranthene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Benzoic acid	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Benzyl butyl phthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	360	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Carbazole	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Chrysene	380	250	ug/Kg	10/21/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Dibenzofuran	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Diethyl phthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Dimethylphthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Di-n-butylphthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Di-n-octylphthalate	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Fluoranthene	710	250	ug/Kg	10/21/10		KCA	SW 8270
Fluorene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobutadiene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Hexachloroethane	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Isophorone	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Naphthalene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Nitrobenzene	ND	250	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	360	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	250	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	360	ug/Kg	10/21/10		KCA	SW 8270
Pentachloronitrobenzene	ND	360	ug/Kg	10/21/10		KCA	SW 8270
Pentachlorophenol	ND	360	ug/Kg	10/21/10		KCA	SW 8270
Phenanthrene	660	250	ug/Kg	10/21/10		KCA	SW 8270
Phenol	ND	250	ug/Kg	10/21/10		KCA	SW 8270
Pyrene	580	250	ug/Kg	10/21/10		KCA	SW 8270
Pyridine	ND	360	ug/Kg	10/21/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100		%	10/21/10		KCA	SW 8270
% 2-Fluorobiphenyl	72		%	10/21/10		KCA	SW 8270
% 2-Fluorophenol	79		%	10/21/10		KCA	SW 8270
% Nitrobenzene-d5	77		%	10/21/10		KCA	SW 8270
% Phenol-d5	80		%	10/21/10		KCA	SW 8270
% Terphenyl-d14	54		%	10/21/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	10/21/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E

Phoenix I.D.: AZ67943

Client ID: RA-11 (5-5.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	ND		mg/Kg	10/21/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	66		%	10/21/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1221	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1232	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1242	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1248	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1254	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1260	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1262	ND	360	ug/Kg	10/26/10		MH	SW 8082
PCB-1268	ND	360	ug/Kg	10/26/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	102		%	10/26/10		MH	SW 8082
% TCMX	86		%	10/26/10		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/17/10	22:58
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67945

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-11 (10-10.33)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.43	0.43	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	1.7	0.9	mg/Kg	10/22/10		LK	6010/200.7
Barium	46.1	0.43	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.43	0.43	mg/Kg	10/22/10		LK	6010/200.7
Chromium	13.7	0.43	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	10/22/10		RS	SW-7471
Lead	19.2	0.43	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 1.7	1.7	mg/Kg	10/22/10		LK	6010/200.7
Percent Solid	83		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for SVOA	Completed			10/22/10		SS/F	SW3545
Extraction of CT ETPH	Completed			10/20/10		QS/D	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	3.3	ug/Kg	10/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloropropene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (10-10.33)

Phoenix I.D.: AZ67945

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloropropane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichloropropane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
2,2-Dichloropropane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
2-Chlorotoluene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
2-Hexanone	ND	27	ug/Kg	10/21/10		H/L	SW8260
2-Isopropyltoluene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
4-Chlorotoluene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	27	ug/Kg	10/21/10		H/L	SW8260
Acetone	ND	110	ug/Kg	10/21/10		H/L	SW8260
Acrylonitrile	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Benzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Bromobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Bromochloromethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Bromodichloromethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Bromoform	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Bromomethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Carbon Disulfide	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Carbon tetrachloride	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Chlorobenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Chloroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Chloroform	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Chloromethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Dibromochloromethane	ND	3.3	ug/Kg	10/21/10		H/L	SW8260
Dibromoethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Dibromomethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Ethylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Hexachlorobutadiene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Isopropylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
m&p-Xylene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Methyl Ethyl Ketone	ND	33	ug/Kg	10/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	11	ug/Kg	10/21/10		H/L	SW8260
Methylene chloride	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Naphthalene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
n-Butylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
n-Propylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
o-Xylene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
p-Isopropyltoluene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
sec-Butylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Styrene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
tert-Butylbenzene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Tetrachloroethene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (10-10.33)

Phoenix I.D.: AZ67945

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	11	ug/Kg	10/21/10		H/L	SW8260
Toluene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Total Xylenes	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Trichloroethene	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Trichlorofluoromethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
Vinyl chloride	ND	5.5	ug/Kg	10/21/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	10/21/10		H/L	SW8260
% Bromofluorobenzene	97		%	10/21/10		H/L	SW8260
% Dibromofluoromethane	100		%	10/21/10		H/L	SW8260
% Toluene-d8	99		%	10/21/10		H/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,4-Dichlorophenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,4-Dimethylphenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,4-Dinitrophenol	ND	950	ug/Kg	10/23/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2-Chloronaphthalene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2-Chlorophenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2-Methylnaphthalene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	420	ug/Kg	10/23/10		KCA	SW 8270
2-Nitroaniline	ND	950	ug/Kg	10/23/10		KCA	SW 8270
2-Nitrophenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	590	ug/Kg	10/23/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	710	ug/Kg	10/23/10		KCA	SW 8270
3-Nitroaniline	ND	950	ug/Kg	10/23/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	ug/Kg	10/23/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	590	ug/Kg	10/23/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
4-Chloroaniline	ND	420	ug/Kg	10/23/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	420	ug/Kg	10/23/10		KCA	SW 8270
4-Nitroaniline	ND	950	ug/Kg	10/23/10		KCA	SW 8270
4-Nitrophenol	ND	1700	ug/Kg	10/23/10		KCA	SW 8270
Acenaphthene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Acenaphthylene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Acetophenone	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Aniline	ND	1700	ug/Kg	10/23/10		KCA	SW 8270
Anthracene	ND	420	ug/Kg	10/23/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (10-10.33)

Phoenix I.D.: AZ67945

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	590	ug/Kg	10/23/10		KCA	SW 8270
Benz(a)anthracene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Benzidine	ND	710	ug/Kg	10/23/10		KCA	SW 8270
Benzo(a)pyrene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Benzo(b)fluoranthene	440	420	ug/Kg	10/23/10		KCA	SW 8270
Benzo(ghi)perylene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Benzo(k)fluoranthene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Benzoic acid	ND	1700	ug/Kg	10/23/10		KCA	SW 8270
Benzyl butyl phthalate	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	590	ug/Kg	10/23/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	900	420	ug/Kg	10/23/10		KCA	SW 8270
Carbazole	ND	1700	ug/Kg	10/23/10		KCA	SW 8270
Chrysene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Dibenzofuran	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Diethyl phthalate	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Dimethylphthalate	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Di-n-butylphthalate	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Di-n-octylphthalate	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Fluoranthene	550	420	ug/Kg	10/23/10		KCA	SW 8270
Fluorene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Hexachlorobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Hexachlorobutadiene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Hexachloroethane	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Isophorone	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Naphthalene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Nitrobenzene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	590	ug/Kg	10/23/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	420	ug/Kg	10/23/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	590	ug/Kg	10/23/10		KCA	SW 8270
Pentachloronitrobenzene	ND	590	ug/Kg	10/23/10		KCA	SW 8270
Pentachlorophenol	ND	590	ug/Kg	10/23/10		KCA	SW 8270
Phenanthrene	740	420	ug/Kg	10/23/10		KCA	SW 8270
Phenol	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Pyrene	ND	420	ug/Kg	10/23/10		KCA	SW 8270
Pyridine	ND	590	ug/Kg	10/23/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	120		%	10/23/10		KCA	SW 8270
% 2-Fluorobiphenyl	75		%	10/23/10		KCA	SW 8270
% 2-Fluorophenol	86		%	10/23/10		KCA	SW 8270
% Nitrobenzene-d5	86		%	10/23/10		KCA	SW 8270
% Phenol-d5	85		%	10/23/10		KCA	SW 8270
% Terphenyl-d14	46		%	10/23/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	12	mg/Kg	10/21/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-11 (10-10.33)

Phoenix I.D.: AZ67945

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	ND		mg/Kg	10/21/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	70		%	10/21/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1221	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1232	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1242	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1248	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1254	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1260	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1262	ND	390	ug/Kg	10/26/10		MH	SW 8082
PCB-1268	ND	390	ug/Kg	10/26/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	88		%	10/26/10		MH	SW 8082
% TCMX	72		%	10/26/10		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/19/10	0:55
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67947

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-12 (0-2.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.45	0.45	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	13.8	0.9	mg/Kg	10/22/10		LK	6010/200.7
Barium	61.0	0.45	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.45	0.45	mg/Kg	10/22/10		LK	6010/200.7
Chromium	15.4	0.45	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	10/22/10		RS	SW-7471
Lead	83.9	0.45	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 1.8	1.8	mg/Kg	10/22/10		LK	6010/200.7
SPLP Arsenic	0.006	0.004	mg/L	11/01/10		LK	E1312/SW6010
SPLP Lead	0.020	0.010	mg/L	11/01/10		LK	E1312/SW6010
TCLP Lead	< 0.015	0.015	mg/L	10/29/10		EK	E1311/SW6010
Percent Solid	79		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for Pesticide	Completed			10/20/10		QB	SW3545
Soil Extraction for SVOA	Completed			10/20/10		QS	SW3545
Extraction of CT ETPH	Completed			10/20/10		QS/D	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
Soil Extraction for Herbicide	Completed			10/20/10		J/D	SW8151
SPLP Extraction for Metals	Completed			10/28/10		X	EPA 1312
TCLP Extraction for Metals	Completed			10/28/10		X	EPA 1311
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
SPLP Metals Digestion	Completed			10/29/10		X	SW846-3005
TCLP Metals Digestion	Completed			10/29/10		X	SW846 - 3005
Field Extraction	Completed			10/17/10		JK	SW5035
Chlorinated Herbicides							
2,4,5-T	ND	130	ug/Kg	10/21/10		JRB	SW8151
2,4,5-TP (Silvex)	ND	130	ug/Kg	10/21/10		JRB	SW8151

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (0-2.5)

Phoenix I.D.: AZ67947

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4-D	ND	130	ug/Kg	10/21/10		JRB	SW8151
2,4-DB	ND	1300	ug/Kg	10/21/10		JRB	SW8151
Dalapon	ND	630	ug/Kg	10/21/10		JRB	SW8151
Dicamba	ND	380	ug/Kg	10/21/10		JRB	SW8151
Dichloroprop	ND	130	ug/Kg	10/21/10		JRB	SW8151
Dinoseb	ND	250	ug/Kg	10/21/10		JRB	SW8151
QA/QC Surrogates							
% DCAA	87		%	10/21/10		JRB	SW8151
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,1,1-Trichloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	3	ug/Kg	10/23/10		R/L	SW8260
1,1,2-Trichloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloroethene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,1-Dichloropropene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2,3-Trichloropropane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2,4-Trimethylbenzene	410	300	ug/Kg	10/23/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,2-Dichloropropane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,3,5-Trimethylbenzene	130	5	ug/Kg	10/23/10		R/L	SW8260
1,3-Dichlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,3-Dichloropropane	ND	5	ug/Kg	10/23/10		R/L	SW8260
1,4-Dichlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
2,2-Dichloropropane	ND	5	ug/Kg	10/23/10		R/L	SW8260
2-Chlorotoluene	ND	5	ug/Kg	10/23/10		R/L	SW8260
2-Hexanone	ND	25	ug/Kg	10/23/10		R/L	SW8260
2-Isopropyltoluene	ND	5	ug/Kg	10/23/10		R/L	SW8260
4-Chlorotoluene	ND	5	ug/Kg	10/23/10		R/L	SW8260
4-Methyl-2-pentanone	ND	25	ug/Kg	10/23/10		R/L	SW8260
Acetone	ND	100	ug/Kg	10/23/10		R/L	SW8260
Acrylonitrile	ND	5	ug/Kg	10/23/10		R/L	SW8260
Benzene	120	5	ug/Kg	10/23/10		R/L	SW8260
Bromobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Bromochloromethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Bromodichloromethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Bromoform	ND	5	ug/Kg	10/23/10		R/L	SW8260
Bromomethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Carbon Disulfide	ND	5	ug/Kg	10/23/10		R/L	SW8260
Carbon tetrachloride	ND	5	ug/Kg	10/23/10		R/L	SW8260
Chlorobenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Chloroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Chloroform	ND	5	ug/Kg	10/23/10		R/L	SW8260
Chloromethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	5	ug/Kg	10/23/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (0-2.5)

Phoenix I.D.: AZ67947

Parameter	Result	RL	Units	Date	Time	By	Reference
cis-1,3-Dichloropropene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Dibromochloromethane	ND	3	ug/Kg	10/23/10		R/L	SW8260
Dibromoethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Dibromomethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Dichlorodifluoromethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Ethylbenzene	150	5	ug/Kg	10/23/10		R/L	SW8260
Hexachlorobutadiene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Isopropylbenzene	130	5	ug/Kg	10/23/10		R/L	SW8260
m&p-Xylene	640	300	ug/Kg	10/23/10		R/L	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	10/23/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	10/23/10		R/L	SW8260
Methylene chloride	ND	5	ug/Kg	10/23/10		R/L	SW8260
Naphthalene	620	300	ug/Kg	10/23/10		R/L	SW8260
n-Butylbenzene	63	5	ug/Kg	10/23/10		R/L	SW8260
n-Propylbenzene	140	5	ug/Kg	10/23/10		R/L	SW8260
o-Xylene	570	300	ug/Kg	10/23/10		R/L	SW8260
p-Isopropyltoluene	ND	5	ug/Kg	10/23/10		R/L	SW8260
sec-Butylbenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Styrene	ND	5	ug/Kg	10/23/10		R/L	SW8260
tert-Butylbenzene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Tetrachloroethene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	10/23/10		R/L	SW8260
Toluene	610	300	ug/Kg	10/23/10		R/L	SW8260
Total Xylenes	1210	300	ug/Kg	10/23/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	5	ug/Kg	10/23/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	5	ug/Kg	10/23/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	10/23/10		R/L	SW8260
Trichloroethene	ND	5	ug/Kg	10/23/10		R/L	SW8260
Trichlorofluoromethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Trichlorotrifluoroethane	ND	5	ug/Kg	10/23/10		R/L	SW8260
Vinyl chloride	ND	5	ug/Kg	10/23/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/23/10		R/L	SW8260
% Bromofluorobenzene	101		%	10/23/10		R/L	SW8260
% Dibromofluoromethane	96		%	10/23/10		R/L	SW8260
% Toluene-d8	99		%	10/23/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dichlorophenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dimethylphenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrophenol	ND	670	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	290	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (0-2.5)

Phoenix I.D.: AZ67947

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chloronaphthalene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2-Chlorophenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2-Methylnaphthalene	1100	290	ug/Kg	10/21/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	290	ug/Kg	10/21/10		KCA	SW 8270
2-Nitroaniline	ND	670	ug/Kg	10/21/10		KCA	SW 8270
2-Nitrophenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	10/21/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	500	ug/Kg	10/21/10		KCA	SW 8270
3-Nitroaniline	ND	670	ug/Kg	10/21/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	10/21/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	420	ug/Kg	10/21/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
4-Chloroaniline	ND	290	ug/Kg	10/21/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	10/21/10		KCA	SW 8270
4-Nitroaniline	ND	670	ug/Kg	10/21/10		KCA	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthylene	480	290	ug/Kg	10/21/10		KCA	SW 8270
Acetophenone	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Aniline	ND	1200	ug/Kg	10/21/10		KCA	SW 8270
Anthracene	340	290	ug/Kg	10/21/10		KCA	SW 8270
Azobenzene	ND	420	ug/Kg	10/21/10		KCA	SW 8270
Benz(a)anthracene	1600	290	ug/Kg	10/21/10		KCA	SW 8270
Benzidine	ND	500	ug/Kg	10/21/10		KCA	SW 8270
Benzo(a)pyrene	1400	290	ug/Kg	10/21/10		KCA	SW 8270
Benzo(b)fluoranthene	2900	290	ug/Kg	10/21/10		KCA	SW 8270
Benzo(ghi)perylene	800	290	ug/Kg	10/21/10		KCA	SW 8270
Benzo(k)fluoranthene	790	290	ug/Kg	10/21/10		KCA	SW 8270
Benzoic acid	ND	1200	ug/Kg	10/21/10		KCA	SW 8270
Benzyl butyl phthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	420	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Carbazole	ND	1200	ug/Kg	10/21/10		KCA	SW 8270
Chrysene	2100	290	ug/Kg	10/21/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Dibenzofuran	410	290	ug/Kg	10/21/10		KCA	SW 8270
Diethyl phthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Dimethylphthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Di-n-butylphthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Di-n-octylphthalate	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Fluoranthene	3000	290	ug/Kg	10/21/10		KCA	SW 8270
Fluorene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobutadiene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Hexachloroethane	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	810	290	ug/Kg	10/21/10		KCA	SW 8270
Isophorone	ND	290	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (0-2.5)

Phoenix I.D.: AZ67947

Parameter	Result	RL	Units	Date	Time	By	Reference
Naphthalene	800	290	ug/Kg	10/21/10		KCA	SW 8270
Nitrobenzene	ND	290	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	420	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	420	ug/Kg	10/21/10		KCA	SW 8270
Pentachloronitrobenzene	ND	420	ug/Kg	10/21/10		KCA	SW 8270
Pentachlorophenol	ND	420	ug/Kg	10/21/10		KCA	SW 8270
Phenanthrene	1800	290	ug/Kg	10/21/10		KCA	SW 8270
Phenol	ND	290	ug/Kg	10/21/10		KCA	SW 8270
Pyrene	2400	290	ug/Kg	10/21/10		KCA	SW 8270
Pyridine	ND	420	ug/Kg	10/21/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	100		%	10/21/10		KCA	SW 8270
% 2-Fluorobiphenyl	72		%	10/21/10		KCA	SW 8270
% 2-Fluorophenol	67		%	10/21/10		KCA	SW 8270
% Nitrobenzene-d5	66		%	10/21/10		KCA	SW 8270
% Phenol-d5	68		%	10/21/10		KCA	SW 8270
% Terphenyl-d14	76		%	10/21/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	170	13	mg/Kg	10/21/10		JRB	CT ETPH/8015
Identification	**		mg/Kg	10/21/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	Interference		%	10/21/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1221	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1232	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1242	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1248	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1254	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1260	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1262	ND	420	ug/Kg	10/22/10		MH	SW 8082
PCB-1268	ND	420	ug/Kg	10/22/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	84		%	10/22/10		MH	SW 8082
% TCMX	57		%	10/22/10		MH	SW 8082
Pesticides							
4,4' -DDD	ND	8.0	ug/Kg	10/25/10		MH	SW8081
4,4' -DDE	ND	8.0	ug/Kg	10/25/10		MH	SW8081
4,4' -DDT	10	8.0	ug/Kg	10/25/10		MH	SW8081
a-BHC	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Alachlor	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Aldrin	ND	1.2	ug/Kg	10/25/10		MH	SW8081
b-BHC	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Chlordane	ND	12	ug/Kg	10/25/10		MH	SW8081
d-BHC	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Dieldrin	ND	1.2	ug/Kg	10/25/10		MH	SW8081

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (0-2.5)

Phoenix I.D.: AZ67947

Parameter	Result	RL	Units	Date	Time	By	Reference
Endosulfan I	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Endosulfan II	ND	8.0	ug/Kg	10/25/10		MH	SW8081
Endosulfan sulfate	ND	8.0	ug/Kg	10/25/10		MH	SW8081
Endrin	ND	8.0	ug/Kg	10/25/10		MH	SW8081
Endrin aldehyde	ND	8.0	ug/Kg	10/25/10		MH	SW8081
Endrin ketone	ND	8.0	ug/Kg	10/25/10		MH	SW8081
g-BHC	ND	1.2	ug/Kg	10/25/10		MH	SW8081
Heptachlor	ND	2.5	ug/Kg	10/25/10		MH	SW8081
Heptachlor epoxide	ND	4.0	ug/Kg	10/25/10		MH	SW8081
Methoxychlor	ND	40	ug/Kg	10/25/10		MH	SW8081
Toxaphene	ND	40	ug/Kg	10/25/10		MH	SW8081
QA/QC Surrogates							
% DCBP	61		%	10/25/10		MH	SW8081
% TCMX	40		%	10/25/10		MH	SW8081

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C12 to C36 range. The sample was quantitated against a C9-C36 standard.

Elevated reporting limits for volatiles due to dilution for sample matrix. Low-level samples were analyzed with poor internal standard response.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/19/10	1:05
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67949

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-12 (7-7.6)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.40	0.40	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	1.3	0.8	mg/Kg	10/22/10		LK	6010/200.7
Barium	34.0	0.40	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.40	0.40	mg/Kg	10/22/10		LK	6010/200.7
Chromium	10.9	0.40	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.08	0.08	mg/Kg	10/22/10		RS	SW-7471
Lead	7.28	0.40	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	10/22/10		LK	6010/200.7
Percent Solid	87		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for SVOA	Completed			10/20/10		QS	SW3545
Extraction of CT ETPH	Completed			10/22/10		FS/F	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,1,1-Trichloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	3.7	ug/Kg	10/22/10		H/L	SW8260
1,1,2-Trichloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloroethene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,1-Dichloropropene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2,3-Trichloropropane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (7-7.6)

Phoenix I.D.: AZ67949

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,2-Dichloropropane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,3-Dichlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,3-Dichloropropane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
1,4-Dichlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
2,2-Dichloropropane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
2-Chlorotoluene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
2-Hexanone	ND	31	ug/Kg	10/22/10		H/L	SW8260
2-Isopropyltoluene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
4-Chlorotoluene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
4-Methyl-2-pentanone	ND	31	ug/Kg	10/22/10		H/L	SW8260
Acetone	ND	120	ug/Kg	10/22/10		H/L	SW8260
Acrylonitrile	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Benzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Bromobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Bromochloromethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Bromodichloromethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Bromoform	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Bromomethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Carbon Disulfide	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Carbon tetrachloride	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Chlorobenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Chloroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Chloroform	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Chloromethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Dibromochloromethane	ND	3.7	ug/Kg	10/22/10		H/L	SW8260
Dibromoethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Dibromomethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Dichlorodifluoromethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Ethylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Hexachlorobutadiene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Isopropylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
m&p-Xylene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Methyl Ethyl Ketone	ND	37	ug/Kg	10/22/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	10/22/10		H/L	SW8260
Methylene chloride	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Naphthalene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
n-Butylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
n-Propylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
o-Xylene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
p-Isopropyltoluene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
sec-Butylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Styrene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
tert-Butylbenzene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Tetrachloroethene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (7-7.6)

Phoenix I.D.: AZ67949

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	12	ug/Kg	10/22/10		H/L	SW8260
Toluene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Total Xylenes	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	10/22/10		H/L	SW8260
Trichloroethene	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Trichlorofluoromethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Trichlorotrifluoroethane	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
Vinyl chloride	ND	6.1	ug/Kg	10/22/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	102		%	10/22/10		H/L	SW8260
% Bromofluorobenzene	95		%	10/22/10		H/L	SW8260
% Dibromofluoromethane	101		%	10/22/10		H/L	SW8260
% Toluene-d8	98		%	10/22/10		H/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dichlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dimethylphenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrophenol	ND	590	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Chloronaphthalene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Chlorophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Methylnaphthalene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	260	ug/Kg	10/21/10		KCA	SW 8270
2-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
2-Nitrophenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	370	ug/Kg	10/21/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	450	ug/Kg	10/21/10		KCA	SW 8270
3-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	370	ug/Kg	10/21/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Chloroaniline	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	260	ug/Kg	10/21/10		KCA	SW 8270
4-Nitroaniline	ND	590	ug/Kg	10/21/10		KCA	SW 8270
4-Nitrophenol	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthylene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Acetophenone	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Aniline	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Anthracene	ND	260	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (7-7.6)

Phoenix I.D.: AZ67949

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Benz(a)anthracene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzidine	ND	450	ug/Kg	10/21/10		KCA	SW 8270
Benzo(a)pyrene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(b)fluoranthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(ghi)perylene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzo(k)fluoranthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Benzoic acid	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Benzyl butyl phthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	740	260	ug/Kg	10/21/10		KCA	SW 8270
Carbazole	ND	1100	ug/Kg	10/21/10		KCA	SW 8270
Chrysene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Dibenzofuran	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Diethyl phthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Dimethylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Di-n-butylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Di-n-octylphthalate	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Fluoranthene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Fluorene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobutadiene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Hexachloroethane	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Isophorone	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Naphthalene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Nitrobenzene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	260	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Pentachloronitrobenzene	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Pentachlorophenol	ND	370	ug/Kg	10/21/10		KCA	SW 8270
Phenanthrene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Phenol	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Pyrene	ND	260	ug/Kg	10/21/10		KCA	SW 8270
Pyridine	ND	370	ug/Kg	10/21/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	110		%	10/21/10		KCA	SW 8270
% 2-Fluorobiphenyl	75		%	10/21/10		KCA	SW 8270
% 2-Fluorophenol	76		%	10/21/10		KCA	SW 8270
% Nitrobenzene-d5	71		%	10/21/10		KCA	SW 8270
% Phenol-d5	77		%	10/21/10		KCA	SW 8270
% Terphenyl-d14	79		%	10/21/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	11	mg/Kg	10/24/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (7-7.6)

Phoenix I.D.: AZ67949

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	ND		mg/Kg	10/24/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	94		%	10/24/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1221	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1232	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1242	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1248	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1254	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1260	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1262	ND	380	ug/Kg	10/22/10		MH	SW 8082
PCB-1268	ND	380	ug/Kg	10/22/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	111		%	10/22/10		MH	SW 8082
% TCMX	88		%	10/22/10		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/19/10	1:45
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67952

Project ID: BRANFORD SLE 09-188-7E

Client ID: RA-12 (19-21)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.53	0.53	mg/Kg	10/22/10		LK	6010/200.7
Arsenic	6.7	1.1	mg/Kg	10/22/10		LK	6010/200.7
Barium	53.3	0.53	mg/Kg	10/22/10		LK	6010/200.7
Cadmium	< 0.53	0.53	mg/Kg	10/22/10		LK	6010/200.7
Chromium	39.6	0.53	mg/Kg	10/22/10		LK	6010/200.7
Mercury	< 0.14	0.14	mg/Kg	10/22/10		RS	SW-7471
Lead	11.4	0.53	mg/Kg	10/22/10		LK	6010/200.7
Selenium	< 2.1	2.1	mg/Kg	10/22/10		LK	6010/200.7
Percent Solid	56		%	10/20/10		LK	E160.3
Soil Extraction for PCB	Completed			10/20/10		QB/F	SW3545
Soil Extraction for SVOA	Completed			10/20/10		QS	SW3545
Extraction of CT ETPH	Completed			10/20/10		QS/D	3545
Mercury Digestion	Completed			10/21/10		X	SW7471
Total Metals Digest	Completed			10/20/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	6.8	ug/Kg	10/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloropropene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (19-21)

Phoenix I.D.: AZ67952

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloropropane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichloropropane	ND	11	ug/Kg	10/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
2,2-Dichloropropane	ND	11	ug/Kg	10/21/10		H/L	SW8260
2-Chlorotoluene	ND	11	ug/Kg	10/21/10		H/L	SW8260
2-Hexanone	ND	56	ug/Kg	10/21/10		H/L	SW8260
2-Isopropyltoluene	ND	11	ug/Kg	10/21/10		H/L	SW8260
4-Chlorotoluene	ND	11	ug/Kg	10/21/10		H/L	SW8260
4-Methyl-2-pentanone	ND	56	ug/Kg	10/21/10		H/L	SW8260
Acetone	ND	230	ug/Kg	10/21/10		H/L	SW8260
Acrylonitrile	ND	11	ug/Kg	10/21/10		H/L	SW8260
Benzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Bromobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Bromochloromethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Bromodichloromethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Bromoform	ND	11	ug/Kg	10/21/10		H/L	SW8260
Bromomethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Carbon Disulfide	34	11	ug/Kg	10/21/10		H/L	SW8260
Carbon tetrachloride	ND	11	ug/Kg	10/21/10		H/L	SW8260
Chlorobenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Chloroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Chloroform	ND	11	ug/Kg	10/21/10		H/L	SW8260
Chloromethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	11	ug/Kg	10/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Dibromochloromethane	ND	6.8	ug/Kg	10/21/10		H/L	SW8260
Dibromoethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Dibromomethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Ethylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Hexachlorobutadiene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Isopropylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
m&p-Xylene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Methyl Ethyl Ketone	ND	68	ug/Kg	10/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	23	ug/Kg	10/21/10		H/L	SW8260
Methylene chloride	ND	11	ug/Kg	10/21/10		H/L	SW8260
Naphthalene	ND	11	ug/Kg	10/21/10		H/L	SW8260
n-Butylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
n-Propylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
o-Xylene	ND	11	ug/Kg	10/21/10		H/L	SW8260
p-Isopropyltoluene	ND	11	ug/Kg	10/21/10		H/L	SW8260
sec-Butylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Styrene	ND	11	ug/Kg	10/21/10		H/L	SW8260
tert-Butylbenzene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Tetrachloroethene	ND	11	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (19-21)

Phoenix I.D.: AZ67952

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	23	ug/Kg	10/21/10		H/L	SW8260
Toluene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Total Xylenes	ND	11	ug/Kg	10/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	11	ug/Kg	10/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	11	ug/Kg	10/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	23	ug/Kg	10/21/10		H/L	SW8260
Trichloroethene	ND	11	ug/Kg	10/21/10		H/L	SW8260
Trichlorofluoromethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	11	ug/Kg	10/21/10		H/L	SW8260
Vinyl chloride	ND	11	ug/Kg	10/21/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/21/10		H/L	SW8260
% Bromofluorobenzene	88		%	10/21/10		H/L	SW8260
% Dibromofluoromethane	96		%	10/21/10		H/L	SW8260
% Toluene-d8	100		%	10/21/10		H/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
1,2-Dichlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
1,3-Dichlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
1,4-Dichlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,4,5-Trichlorophenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,4,6-Trichlorophenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dichlorophenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dimethylphenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrophenol	ND	950	ug/Kg	10/21/10		KCA	SW 8270
2,4-Dinitrotoluene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2,6-Dinitrotoluene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2-Chloronaphthalene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2-Chlorophenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2-Methylnaphthalene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	410	ug/Kg	10/21/10		KCA	SW 8270
2-Nitroaniline	ND	950	ug/Kg	10/21/10		KCA	SW 8270
2-Nitrophenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	590	ug/Kg	10/21/10		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	710	ug/Kg	10/21/10		KCA	SW 8270
3-Nitroaniline	ND	950	ug/Kg	10/21/10		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1700	ug/Kg	10/21/10		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	590	ug/Kg	10/21/10		KCA	SW 8270
4-Chloro-3-methylphenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
4-Chloroaniline	ND	410	ug/Kg	10/21/10		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	410	ug/Kg	10/21/10		KCA	SW 8270
4-Nitroaniline	ND	950	ug/Kg	10/21/10		KCA	SW 8270
4-Nitrophenol	ND	1700	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Acenaphthylene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Acetophenone	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Aniline	ND	1700	ug/Kg	10/21/10		KCA	SW 8270
Anthracene	ND	410	ug/Kg	10/21/10		KCA	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (19-21)

Phoenix I.D.: AZ67952

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	590	ug/Kg	10/21/10		KCA	SW 8270
Benz(a)anthracene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Benzidine	ND	710	ug/Kg	10/21/10		KCA	SW 8270
Benzo(a)pyrene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Benzo(b)fluoranthene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Benzo(ghi)perylene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Benzo(k)fluoranthene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Benzoic acid	ND	1700	ug/Kg	10/21/10		KCA	SW 8270
Benzyl butyl phthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	590	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Carbazole	ND	1700	ug/Kg	10/21/10		KCA	SW 8270
Chrysene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Dibenz(a,h)anthracene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Dibenzofuran	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Diethyl phthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Dimethylphthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Di-n-butylphthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Di-n-octylphthalate	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Fluoranthene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Fluorene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorobutadiene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Hexachlorocyclopentadiene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Hexachloroethane	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Isophorone	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Naphthalene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Nitrobenzene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodimethylamine	ND	590	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	410	ug/Kg	10/21/10		KCA	SW 8270
N-Nitrosodiphenylamine	ND	590	ug/Kg	10/21/10		KCA	SW 8270
Pentachloronitrobenzene	ND	590	ug/Kg	10/21/10		KCA	SW 8270
Pentachlorophenol	ND	590	ug/Kg	10/21/10		KCA	SW 8270
Phenanthrene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Phenol	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Pyrene	ND	410	ug/Kg	10/21/10		KCA	SW 8270
Pyridine	ND	590	ug/Kg	10/21/10		KCA	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	104		%	10/21/10		KCA	SW 8270
% 2-Fluorobiphenyl	36		%	10/21/10		KCA	SW 8270
% 2-Fluorophenol	72		%	10/21/10		KCA	SW 8270
% Nitrobenzene-d5	65		%	10/21/10		KCA	SW 8270
% Phenol-d5	72		%	10/21/10		KCA	SW 8270
% Terphenyl-d14	78		%	10/21/10		KCA	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	18	mg/Kg	10/21/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: RA-12 (19-21)

Phoenix I.D.: AZ67952

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	ND		mg/Kg	10/21/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	86		%	10/21/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1221	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1232	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1242	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1248	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1254	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1260	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1262	ND	590	ug/Kg	10/22/10		MH	SW 8082
PCB-1268	ND	590	ug/Kg	10/22/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	59		%	10/22/10		MH	SW 8082
% TCMX	44		%	10/22/10		MH	SW 8082

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
November 04, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/19/10	0:00
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67953

Project ID: BRANFORD SLE 09-188-7E

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/21/10		LDF	E160.3
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	10/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	10/21/10		H/L	SW8260
2-Chlorotoluene	ND	250	ug/Kg	10/21/10		H/L	SW8260
2-Hexanone	ND	1300	ug/Kg	10/21/10		H/L	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	10/21/10		H/L	SW8260
4-Chlorotoluene	ND	250	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: TRIP BLANK

Phoenix I.D.: AZ67953

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	1300	ug/Kg	10/21/10		H/L	SW8260
Acetone	ND	5000	ug/Kg	10/21/10		H/L	SW8260
Acrylonitrile	ND	500	ug/Kg	10/21/10		H/L	SW8260
Benzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Bromobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Bromochloromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Bromodichloromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Bromoform	ND	250	ug/Kg	10/21/10		H/L	SW8260
Bromomethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Carbon Disulfide	ND	250	ug/Kg	10/21/10		H/L	SW8260
Carbon tetrachloride	ND	250	ug/Kg	10/21/10		H/L	SW8260
Chlorobenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Chloroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Chloroform	ND	250	ug/Kg	10/21/10		H/L	SW8260
Chloromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	10/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Dibromochloromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Dibromoethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Dibromomethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Ethylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Isopropylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
m&p-Xylene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	10/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	10/21/10		H/L	SW8260
Methylene chloride	ND	500	ug/Kg	10/21/10		H/L	SW8260
Naphthalene	ND	250	ug/Kg	10/21/10		H/L	SW8260
n-Butylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
n-Propylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
o-Xylene	ND	250	ug/Kg	10/21/10		H/L	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	10/21/10		H/L	SW8260
sec-Butylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Styrene	ND	250	ug/Kg	10/21/10		H/L	SW8260
tert-Butylbenzene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Tetrachloroethene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	10/21/10		H/L	SW8260
Toluene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Total Xylenes	ND	250	ug/Kg	10/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	10/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	10/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	10/21/10		H/L	SW8260
Trichloroethene	ND	250	ug/Kg	10/21/10		H/L	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	10/21/10		H/L	SW8260
Vinyl chloride	ND	250	ug/Kg	10/21/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/21/10		H/L	SW8260
% Bromofluorobenzene	97		%	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E

Client ID: TRIP BLANK

Phoenix I.D.: AZ67953

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	91		%	10/21/10		H/L	SW8260
% Toluene-d8	100		%	10/21/10		H/L	SW8260

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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Phyllis Shiller, Laboratory Director

November 04, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

November 04, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:	JK	10/19/10	0:00
Location Code:	DTECHDAS	Received by:	LB	10/20/10	17:18
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ67942
Phoenix ID: AZ67954

Project ID: BRANFORD SLE 09-188-7E

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/21/10		LDF	E160.3
Field Extraction	Completed			10/17/10		JK	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,1,2,2-Tetrachloroethane	ND	3.0	ug/Kg	10/21/10		H/L	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
2-Hexanone	ND	25	ug/Kg	10/21/10		H/L	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: TRIP BLANK

Phoenix I.D.: AZ67954

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	10/21/10		H/L	SW8260
Acetone	ND	100	ug/Kg	10/21/10		H/L	SW8260
Acrylonitrile	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Benzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Bromobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Bromochloromethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Bromodichloromethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Bromoform	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Bromomethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Chlorobenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Chloroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Chloroform	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Chloromethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	10/21/10		H/L	SW8260
Dibromoethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Dibromomethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Ethylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
m&p-Xylene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	10/21/10		H/L	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	10/21/10		H/L	SW8260
Methylene chloride	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Naphthalene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
o-Xylene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Styrene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	10/21/10		H/L	SW8260
Toluene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Total Xylenes	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	10/21/10		H/L	SW8260
Trichloroethene	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
Vinyl chloride	ND	5.0	ug/Kg	10/21/10		H/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	98		%	10/21/10		H/L	SW8260
% Bromofluorobenzene	100		%	10/21/10		H/L	SW8260

Project ID: BRANFORD SLE 09-188-7E

Phoenix I.D.: AZ67954

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	98		%	10/21/10		H/L	SW8260
% Toluene-d8	103		%	10/21/10		H/L	SW8260

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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Phyllis Shiller

Phyllis Shiller, Laboratory Director

November 04, 2010

PHOENIX

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

QA/QC Report

November 04, 2010

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163837, QC Sample No: AZ67885 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)								
ICP Metals - Soil								
Arsenic	BDL	NC	102	99.3	2.7	95.5	98.5	3.1
Barium	BDL	10.1	105	98.6	6.3	105	103	1.9
Cadmium	BDL	NC	105	103	1.9	97.9	99.7	1.8
Chromium	BDL	6.60	105	103	1.9	99.5	98.2	1.3
Lead	BDL	21.6	103	99.6	3.4	97.8	101	3.2
Selenium	BDL	NC	97.2	93.6	3.8	90.6	93.7	3.4
Silver	BDL	NC	101	103	2.0	97.5	99.4	1.9
QA/QC Batch 164545, QC Sample No: AZ67947 (AZ67942, AZ67947)								
ICP Metals - Aqueous Extraction								
Arsenic	BDL	NC	95.7	95.3	0.4	97.1	100	2.9
Lead	BDL	NC	92.8	94.5	1.8	95.4	98.6	3.3
QA/QC Batch 163926, QC Sample No: AZ68058 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)								
Mercury	BDL	NC	101	87.3	14.6	90.3	96.8	6.9
QA/QC Batch 164546, QC Sample No: AZ70942 (AZ67947)								
ICP Metals - Aqueous Extraction								
Arsenic	BDL	NC	88.7	86.6	2.4	85.3	83.3	2.4
Lead	BDL	NC	92.3	91.2	1.2	90.8	88.2	2.9

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 04, 2010

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163681, QC Sample No: AZ67251 (AZ67942, AZ67947)							
Pesticides							
4,4' -DDD	ND	97	83	15.6	96	103	7.0
4,4' -DDE	ND	98	87	11.9	98	105	6.9
4,4' -DDT	ND	84	74	12.7	106	112	5.5
a-BHC	ND	105	93	12.1	99	107	7.8
a-Chlordane	ND	104	91	13.3	93	100	7.3
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC
Aldrin	ND	110	98	11.5	100	106	5.8
b-BHC	ND	98	89	9.6	103	111	7.5
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC
d-BHC	ND	100	89	11.6	107	115	7.2
Dieldrin	ND	106	95	10.9	92	98	6.3
Endosulfan I	ND	107	99	7.8	93	100	7.3
Endosulfan II	ND	104	89	15.5	123	>130	NC
Endosulfan sulfate	ND	89	76	15.8	102	109	6.6
Endrin	ND	85	74	13.8	97	103	6.0
Endrin aldehyde	ND	120	101	17.2	127	>130	NC
Endrin ketone	ND	103	91	12.4	104	111	6.5
g-BHC	ND	106	94	12.0	100	107	6.8
g-Chlordane	ND	106	95	10.9	94	101	7.2
Heptachlor	ND	107	95	11.9	99	106	6.8
Heptachlor epoxide	ND	105	94	11.1	95	101	6.1
Methoxychlor	ND	56	47	17.5	124	>130	NC
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC
% DCBP	73	75	67	11.3	110	120	8.7
% TCMX	83	89	78	13.2	89	96	7.6
QA/QC Batch 163697, QC Sample No: AZ67567 (AZ67942)							
Polychlorinated Biphenyls							
PCB-1016	ND	95	97	2.1	103	92	11.3
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	100	106	5.8	93	87	6.7
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	111	113	120	6.0	87	79	9.6
% TCMX (Surrogate Rec)	83	78	71	9.4	61	55	10.3

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163797, QC Sample No: AZ67655 (AZ67942, AZ67943, AZ67945)							
TPH by GC (Extractable Products)							
Ext. Petroleum HC	ND	84	101	18.4	127	69	59.2
% n-Pentacosane	87	67	82	20.1	102	57	56.6
QA/QC Batch 164085, QC Sample No: AZ67732 (AZ67945, AZ67947, AZ67952, AZ67953, AZ67954)							
Volatiles							
1,1,1,2-Tetrachloroethane	ND	73	76	4.0	70	76	8.2
1,1,1-Trichloroethane	ND	114	109	4.5	110	122	10.3
1,1,2,2-Tetrachloroethane	ND	78	86	9.8	98	102	4.0
1,1,2-Trichloroethane	ND	104	103	1.0	100	102	2.0
1,1-Dichloroethane	ND	138	132	4.4	129	138	6.7
1,1-Dichloroethene	ND	120	119	0.8	121	129	6.4
1,1-Dichloropropene	ND	87	87	0.0	98	100	2.0
1,2,3-Trichlorobenzene	ND	81	83	2.4	52	58	10.9
1,2,3-Trichloropropane	ND	113	110	2.7	103	105	1.9
1,2,4-Trichlorobenzene	ND	74	73	1.4	52	59	12.6
1,2,4-Trimethylbenzene	ND	91	93	2.2	85	92	7.9
1,2-Dibromo-3-chloropropane	ND	74	81	9.0	66	75	12.8
1,2-Dichlorobenzene	ND	87	89	2.3	73	80	9.2
1,2-Dichloroethane	ND	115	116	0.9	118	118	0.0
1,2-Dichloropropane	ND	109	110	0.9	106	106	0.0
1,3,5-Trimethylbenzene	ND	90	90	0.0	89	93	4.4
1,3-Dichlorobenzene	ND	85	82	3.6	77	82	6.3
1,3-Dichloropropane	ND	105	102	2.9	98	103	5.0
1,4-Dichlorobenzene	ND	85	85	0.0	74	83	11.5
2,2-Dichloropropane	ND	110	107	2.8	107	114	6.3
2-Chlorotoluene	ND	91	92	1.1	82	91	10.4
2-Hexanone	ND	92	90	2.2	<40	<40	NC
2-Isopropyltoluene	ND	90	92	2.2	86	53	47.5
4-Chlorotoluene	ND	89	88	1.1	82	89	8.2
4-Methyl-2-pentanone	ND	96	97	1.0	77	81	5.1
Acetone	ND	>150	>150	NC	46	48	4.3
Acrylonitrile	ND	138	129	6.7	106	113	6.4
Benzene	ND	104	103	1.0	103	106	2.9
Bromobenzene	ND	86	88	2.3	77	78	1.3
Bromochloromethane	ND	117	111	5.3	111	114	2.7
Bromodichloromethane	ND	95	97	2.1	94	98	4.2
Bromoform	ND	63	61	3.2	53	62	15.7
Bromomethane	ND	124	130	4.7	136	137	0.7
Carbon Disulfide	ND	109	106	2.8	117	123	5.0
Carbon tetrachloride	ND	73	78	6.6	76	86	12.3
Chlorobenzene	ND	92	89	3.3	83	86	3.6
Chloroethane	ND	112	106	5.5	124	128	3.2
Chloroform	ND	129	119	8.1	120	129	7.2
Chloromethane	ND	62	62	0.0	78	82	5.0
cis-1,2-Dichloroethene	ND	126	121	4.0	116	123	5.9
cis-1,3-Dichloropropene	ND	99	98	1.0	93	96	3.2
Dibromochloromethane	ND	77	75	2.6	69	76	9.7
Dibromoethane	ND	103	104	1.0	97	100	3.0
Dibromomethane	ND	104	108	3.8	104	107	2.8
Dichlorodifluoromethane	ND	82	81	1.2	89	92	3.3

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Ethylbenzene	ND	88	87	1.1	77	81	5.1
Hexachlorobutadiene	ND	74	71	4.1	60	61	1.7
Isopropylbenzene	ND	85	85	0.0	81	84	3.6
m&p-Xylene	ND	88	86	2.3	83	88	5.8
Methyl ethyl ketone	ND	134	126	6.2	41	42	2.4
Methyl t-butyl ether (MTBE)	ND	113	113	0.0	106	108	1.9
Methylene chloride	ND	130	130	0.0	115	132	13.8
Naphthalene	ND	101	101	0.0	<40	<40	NC
n-Butylbenzene	ND	101	102	1.0	82	86	4.8
n-Propylbenzene	ND	93	92	1.1	78	78	0.0
o-Xylene	ND	87	87	0.0	83	86	3.6
p-Isopropyltoluene	ND	90	92	2.2	79	82	3.7
sec-Butylbenzene	ND	92	94	2.2	83	85	2.4
Styrene	ND	91	86	5.6	49	55	11.5
tert-Butylbenzene	ND	90	92	2.2	89	93	4.4
Tetrachloroethene	ND	76	74	2.7	83	84	1.2
Tetrahydrofuran (THF)	ND	127	122	4.0	105	114	8.2
Toluene	ND	97	98	1.0	92	97	5.3
trans-1,2-Dichloroethene	ND	125	121	3.3	122	126	3.2
trans-1,3-Dichloropropene	ND	102	100	2.0	90	96	6.5
trans-1,4-dichloro-2-butene	ND	88	91	3.4	66	77	15.4
Trichloroethene	ND	107	108	0.9	93	93	0.0
Trichlorofluoromethane	ND	132	128	3.1	126	132	4.7
Trichlorotrifluoroethane	ND	107	105	1.9	115	118	2.6
Vinyl chloride	ND	85	83	2.4	99	105	5.9
% 1,2-dichlorobenzene-d4	103	105	103	1.9	102	106	3.8
% Bromofluorobenzene	98	106	100	5.8	100	98	2.0
% Dibromofluoromethane	101	103	96	7.0	99	111	11.4
% Toluene-d8	102	108	106	1.9	105	105	0.0

QA/QC Batch 164223, QC Sample No: AZ67942 (AZ67942)

Volatiles

1,1,1,2-Tetrachloroethane	ND	100	110	9.5	92	95	3.2
1,1,1-Trichloroethane	ND	98	106	7.8	100	98	2.0
1,1,2,2-Tetrachloroethane	ND	96	107	10.8	80	81	1.2
1,1,2-Trichloroethane	ND	90	100	10.5	94	95	1.1
1,1-Dichloroethane	ND	91	100	9.4	98	97	1.0
1,1-Dichloroethene	ND	95	101	6.1	99	96	3.1
1,1-Dichloropropene	ND	90	96	6.5	99	99	0.0
1,2,3-Trichlorobenzene	ND	105	115	9.1	96	105	9.0
1,2,3-Trichloropropane	ND	97	106	8.9	92	94	2.2
1,2,4-Trichlorobenzene	ND	105	119	12.5	98	104	5.9
1,2,4-Trimethylbenzene	ND	99	109	9.6	101	103	2.0
1,2-Dibromo-3-chloropropane	ND	97	115	17.0	87	89	2.3
1,2-Dichlorobenzene	ND	96	106	9.9	97	100	3.0
1,2-Dichloroethane	ND	99	109	9.6	106	103	2.9
1,2-Dichloropropane	ND	89	101	12.6	96	97	1.0
1,3,5-Trimethylbenzene	ND	96	107	10.8	100	101	1.0
1,3-Dichlorobenzene	ND	98	106	7.8	97	98	1.0
1,3-Dichloropropane	ND	92	101	9.3	96	97	1.0
1,4-Dichlorobenzene	ND	95	108	12.8	96	100	4.1
2,2-Dichloropropane	ND	100	108	7.7	96	95	1.0
2-Chlorotoluene	ND	94	106	12.0	96	100	4.1

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
2-Hexanone	ND	94	103	9.1	64	84	27.0
2-Isopropyltoluene	ND	96	106	9.9	100	101	1.0
4-Chlorotoluene	ND	94	104	10.1	98	98	0.0
4-Methyl-2-pentanone	ND	91	98	7.4	84	87	3.5
Acetone	ND	94	96	2.1	65	68	4.5
Acrylonitrile	ND	89	95	6.5	89	98	9.6
Benzene	ND	90	101	11.5	98	99	1.0
Bromobenzene	ND	90	102	12.5	96	97	1.0
Bromochloromethane	ND	88	99	11.8	96	98	2.1
Bromodichloromethane	ND	98	108	9.7	96	97	1.0
Bromoform	ND	103	108	4.7	84	84	0.0
Bromomethane	ND	83	90	8.1	67	70	4.4
Carbon Disulfide	ND	93	101	8.2	93	90	3.3
Carbon tetrachloride	ND	103	112	8.4	94	95	1.1
Chlorobenzene	ND	94	102	8.2	98	97	1.0
Chloroethane	ND	97	105	7.9	<40	<40	NC
Chloroform	ND	96	104	8.0	99	98	1.0
Chloromethane	ND	82	92	11.5	79	89	11.9
cis-1,2-Dichloroethene	ND	89	98	9.6	95	97	2.1
cis-1,3-Dichloropropene	ND	94	102	8.2	92	94	2.2
Dibromochloromethane	ND	100	106	5.8	88	88	0.0
Dibromoethane	ND	93	104	11.2	96	97	1.0
Dibromomethane	ND	97	102	5.0	100	99	1.0
Dichlorodifluoromethane	ND	114	120	5.1	95	99	4.1
Ethylbenzene	ND	91	99	8.4	95	97	2.1
Hexachlorobutadiene	ND	96	111	14.5	106	107	0.9
Isopropylbenzene	ND	85	94	10.1	98	98	0.0
m&p-Xylene	ND	93	102	9.2	97	97	0.0
Methyl ethyl ketone	ND	93	101	8.2	72	76	5.4
Methyl t-butyl ether (MTBE)	ND	100	107	6.8	100	98	2.0
Methylene chloride	ND	79	89	11.9	80	82	2.5
Naphthalene	ND	105	116	10.0	94	111	16.6
n-Butylbenzene	ND	102	114	11.1	100	102	2.0
n-Propylbenzene	ND	96	108	11.8	98	100	2.0
o-Xylene	ND	94	103	9.1	97	98	1.0
p-Isopropyltoluene	ND	99	111	11.4	100	102	2.0
sec-Butylbenzene	ND	94	105	11.1	100	100	0.0
Styrene	ND	95	104	9.0	101	101	0.0
tert-Butylbenzene	ND	94	104	10.1	99	100	1.0
Tetrachloroethene	ND	93	99	6.3	96	98	2.1
Tetrahydrofuran (THF)	ND	88	91	3.4	94	92	2.2
Toluene	ND	90	101	11.5	99	98	1.0
trans-1,2-Dichloroethene	ND	92	100	8.3	93	91	2.2
trans-1,3-Dichloropropene	ND	98	108	9.7	96	96	0.0
trans-1,4-dichloro-2-butene	ND	99	112	12.3	84	85	1.2
Trichloroethene	ND	86	97	12.0	105	109	3.7
Trichlorofluoromethane	ND	109	117	7.1	<40	<40	NC
Trichlorotrifluoroethane	ND	96	104	8.0	106	105	0.9
Vinyl chloride	ND	87	95	8.8	85	92	7.9
% 1,2-dichlorobenzene-d4	107	101	102	1.0	98	102	4.0
% Bromofluorobenzene	97	103	105	1.9	101	101	0.0
% Dibromofluoromethane	101	104	98	5.9	100	99	1.0
% Toluene-d8	97	99	100	1.0	102	101	1.0

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163815, QC Sample No: AZ67952 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)							
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	77	77	0.0	84	85	1.2
1,2,4-Trichlorobenzene	ND	67	67	0.0	72	72	0.0
1,2-Dichlorobenzene	ND	64	66	3.1	71	71	0.0
1,3-Dichlorobenzene	ND	63	65	3.1	70	69	1.4
1,4-Dichlorobenzene	ND	62	63	1.6	69	68	1.5
2,4,5-Trichlorophenol	ND	88	87	1.1	98	103	5.0
2,4,6-Trichlorophenol	ND	82	78	5.0	90	94	4.3
2,4-Dichlorophenol	ND	79	78	1.3	88	92	4.4
2,4-Dimethylphenol	ND	44	41	7.1	51	53	3.8
2,4-Dinitrophenol	ND	14	<5	NC	NC	NC	NC
2,4-Dinitrotoluene	ND	85	85	0.0	91	95	4.3
2,6-Dinitrotoluene	ND	77	76	1.3	81	85	4.8
2-Chloronaphthalene	ND	74	73	1.4	79	81	2.5
2-Chlorophenol	ND	63	64	1.6	73	73	0.0
2-Methylnaphthalene	ND	76	75	1.3	82	84	2.4
2-Methylphenol (o-cresol)	ND	71	71	0.0	83	86	3.6
2-Nitroaniline	ND	>130	>130	NC	NC	NC	NC
2-Nitrophenol	ND	62	59	5.0	69	70	1.4
3&4-Methylphenol (m&p-cresol)	ND	76	76	0.0	86	88	2.3
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC	N/A	N/A	NC
3-Nitroaniline	ND	>130	>130	NC	NC	NC	NC
4,6-Dinitro-2-methylphenol	ND	66	35	61.4	56	71	23.6
4-Bromophenyl phenyl ether	ND	81	80	1.2	84	91	8.0
4-Chloro-3-methylphenol	ND	88	85	3.5	94	99	5.2
4-Chloroaniline	ND	120	122	1.7	120	124	3.3
4-Chlorophenyl phenyl ether	ND	83	82	1.2	87	91	4.5
4-Nitroaniline	ND	79	78	1.3	83	87	4.7
4-Nitrophenol	ND	89	83	7.0	97	112	14.4
Acenaphthene	ND	83	83	0.0	89	92	3.3
Acenaphthylene	ND	73	73	0.0	79	80	1.3
Acetophenone	ND	75	76	1.3	82	83	1.2
Aniline	ND	N/A	N/A	NC	N/A	N/A	NC
Anthracene	ND	83	80	3.7	86	90	4.5
Azobenzene	ND	76	75	1.3	80	85	6.1
Benz(a)anthracene	ND	85	83	2.4	89	93	4.4
Benzidine	ND	N/A	N/A	NC	N/A	N/A	NC
Benzo(a)pyrene	ND	82	80	2.5	85	89	4.6
Benzo(b)fluoranthene	ND	82	81	1.2	87	91	4.5
Benzo(ghi)perylene	ND	90	87	3.4	98	100	2.0
Benzo(k)fluoranthene	ND	82	80	2.5	83	87	4.7
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC
Benzyl butyl phthalate	ND	79	77	2.6	82	86	4.8
Bis(2-chloroethoxy)methane	ND	74	72	2.7	79	81	2.5
Bis(2-chloroethyl)ether	ND	69	70	1.4	75	75	0.0
Bis(2-chloroisopropyl)ether	ND	71	72	1.4	83	86	3.6
Bis(2-ethylhexyl)phthalate	ND	75	73	2.7	77	80	3.8
Carbazole	ND	114	114	0.0	119	126	5.7
Chrysene	ND	86	84	2.4	91	94	3.2
Dibenz(a,h)anthracene	ND	92	90	2.2	100	101	1.0
Dibenzofuran	ND	78	77	1.3	83	87	4.7

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Diethyl phthalate	ND	76	75	1.3	80	83	3.7
Dimethylphthalate	ND	77	76	1.3	80	83	3.7
Di-n-butylphthalate	ND	66	63	4.7	68	70	2.9
Di-n-octylphthalate	ND	85	83	2.4	88	92	4.4
Fluoranthene	ND	68	64	6.1	70	72	2.8
Fluorene	ND	87	86	1.2	93	96	3.2
Hexachlorobenzene	ND	73	70	4.2	76	79	3.9
Hexachlorobutadiene	ND	66	67	1.5	73	73	0.0
Hexachlorocyclopentadiene	ND	98	101	3.0	87	83	4.7
Hexachloroethane	ND	62	64	3.2	69	67	2.9
Indeno(1,2,3-cd)pyrene	ND	91	88	3.4	98	99	1.0
Isophorone	ND	69	68	1.5	73	74	1.4
Naphthalene	ND	70	70	0.0	77	77	0.0
Nitrobenzene	ND	66	67	1.5	73	74	1.4
N-Nitrosodimethylamine	ND	67	67	0.0	74	77	4.0
N-Nitrosodi-n-propylamine	ND	77	76	1.3	83	84	1.2
N-Nitrosodiphenylamine	ND	94	94	0.0	100	104	3.9
Pentachloronitrobenzene	ND	74	71	4.1	75	79	5.2
Pentachlorophenol	ND	89	80	10.7	117	NC	NC
Phenanthrene	ND	78	76	2.6	82	86	4.8
Phenol	ND	74	74	0.0	84	88	4.7
Pyrene	ND	67	63	6.2	70	72	2.8
Pyridine	ND	54	55	1.8	60	57	5.1
% 2,4,6-Tribromophenol	92	88	82	7.1	92	97	5.3
% 2-Fluorobiphenyl	73	67	67	0.0	70	73	4.2
% 2-Fluorophenol	74	66	66	0.0	78	80	2.5
% Nitrobenzene-d5	75	63	64	1.6	70	71	1.4
% Phenol-d5	80	70	71	1.4	80	82	2.5
% Terphenyl-d14	50	50	47	6.2	52	53	1.9

QA/QC Batch 163838, QC Sample No: AZ68026 (AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)

Polychlorinated Biphenyls

PCB-1016	ND	89	89	0.0	92	75	20.4
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	96	95	1.0	102	92	10.3
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	119	109	105	3.7	98	87	11.9
% TCMX (Surrogate Rec)	80	68	69	1.5	71	67	5.8

QA/QC Batch 163839, QC Sample No: AZ68041 (AZ67947, AZ67949, AZ67952)

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	94	69	30.7
% n-Pentacosane	94	89	65	31.2

Comment:

*The MS/MSD could not be analyzed because of matrix interference. The LCS was within QA/QC criteria.

QA/QC Data

SDG I.D.: GAZ67942

QA/QC Batch 164317, QC Sample No: AZ68111 (AZ67947)

Volatiles

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,1,1,2-Tetrachloroethane	ND	104	107	2.8			
1,1,1-Trichloroethane	ND	110	111	0.9			
1,1,2,2-Tetrachloroethane	ND	97	99	2.0			
1,1,2-Trichloroethane	ND	94	95	1.1			
1,1-Dichloroethane	ND	103	102	1.0			
1,1-Dichloroethene	ND	103	104	1.0			
1,1-Dichloropropene	ND	94	93	1.1			
1,2,3-Trichlorobenzene	ND	103	105	1.9			
1,2,3-Trichloropropane	ND	102	105	2.9			
1,2,4-Trichlorobenzene	ND	96	101	5.1			
1,2,4-Trimethylbenzene	ND	101	103	2.0			
1,2-Dibromo-3-chloropropane	ND	102	103	1.0			
1,2-Dichlorobenzene	ND	101	104	2.9			
1,2-Dichloroethane	ND	108	108	0.0			
1,2-Dichloropropane	ND	95	97	2.1			
1,3,5-Trimethylbenzene	ND	101	103	2.0			
1,3-Dichlorobenzene	ND	98	99	1.0			
1,3-Dichloropropane	ND	100	100	0.0			
1,4-Dichlorobenzene	ND	96	99	3.1			
2,2-Dichloropropane	ND	108	107	0.9			
2-Chlorotoluene	ND	100	101	1.0			
2-Hexanone	ND	105	106	0.9			
2-Isopropyltoluene	ND	100	103	3.0			
4-Chlorotoluene	ND	95	102	7.1			
4-Methyl-2-pentanone	ND	93	90	3.3			
Acetone	ND	99	100	1.0			
Acrylonitrile	ND	91	93	2.2			
Benzene	ND	97	98	1.0			
Bromobenzene	ND	97	101	4.0			
Bromochloromethane	ND	103	102	1.0			
Bromodichloromethane	ND	105	105	0.0			
Bromoform	ND	108	108	0.0			
Bromomethane	ND	100	100	0.0			
Carbon Disulfide	ND	103	103	0.0			
Carbon tetrachloride	ND	112	109	2.7			
Chlorobenzene	ND	99	101	2.0			
Chloroethane	ND	104	112	7.4			
Chloroform	ND	105	103	1.9			
Chloromethane	ND	95	94	1.1			
cis-1,2-Dichloroethene	ND	100	100	0.0			
cis-1,3-Dichloropropene	ND	99	100	1.0			
Dibromochloromethane	ND	106	106	0.0			
Dibromoethane	ND	102	100	2.0			
Dibromomethane	ND	99	100	1.0			
Dichlorodifluoromethane	ND	120	122	1.7			
Ethylbenzene	ND	97	97	0.0			
Hexachlorobutadiene	ND	99	100	1.0			
Isopropylbenzene	ND	90	94	4.3			
m&p-Xylene	ND	97	99	2.0			
Methyl ethyl ketone	ND	103	102	1.0			

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Methyl t-butyl ether (MTBE)	ND	108	104	3.8			
Methylene chloride	ND	90	94	4.3			
Naphthalene	ND	109	111	1.8			
n-Butylbenzene	ND	101	103	2.0			
n-Propylbenzene	ND	100	103	3.0			
o-Xylene	ND	99	100	1.0			
p-Isopropyltoluene	ND	102	104	1.9			
sec-Butylbenzene	ND	100	102	2.0			
Styrene	ND	101	101	0.0			
tert-Butylbenzene	ND	103	103	0.0			
Tetrachloroethene	ND	97	96	1.0			
Tetrahydrofuran (THF)	ND	92	94	2.2			
Toluene	ND	95	96	1.0			
trans-1,2-Dichloroethene	ND	100	101	1.0			
trans-1,3-Dichloropropene	ND	104	102	1.9			
trans-1,4-dichloro-2-butene	ND	106	108	1.9			
Trichloroethene	ND	95	95	0.0			
Trichlorofluoromethane	ND	120	118	1.7			
Trichlorotrifluoroethane	ND	103	104	1.0			
Vinyl chloride	ND	97	96	1.0			
% 1,2-dichlorobenzene-d4	101	102	104	1.9			
% Bromofluorobenzene	96	106	104	1.9			
% Dibromofluoromethane	95	106	108	1.9			
% Toluene-d8	100	99	100	1.0			

Comment:

No MS/MSD was analyzed with this batch.

QA/QC Batch 164130, QC Sample No: AZ68183 (AZ67942, AZ67943, AZ67949)

Volatiles

1,1,1,2-Tetrachloroethane	ND	105	101	3.9	100	99	1.0
1,1,1-Trichloroethane	ND	105	104	1.0	112	108	3.6
1,1,2,2-Tetrachloroethane	ND	103	99	4.0	101	107	5.8
1,1,2-Trichloroethane	ND	102	102	0.0	88	88	0.0
1,1-Dichloroethane	ND	104	99	4.9	102	98	4.0
1,1-Dichloroethene	ND	107	103	3.8	100	97	3.0
1,1-Dichloropropene	ND	98	95	3.1	97	92	5.3
1,2,3-Trichlorobenzene	ND	105	104	1.0	48	57	17.1
1,2,3-Trichloropropane	ND	106	105	0.9	102	109	6.6
1,2,4-Trichlorobenzene	ND	103	97	6.0	54	62	13.8
1,2,4-Trimethylbenzene	ND	105	102	2.9	94	102	8.2
1,2-Dibromo-3-chloropropane	ND	104	105	1.0	86	93	7.8
1,2-Dichlorobenzene	ND	106	103	2.9	78	83	6.2
1,2-Dichloroethane	ND	103	101	2.0	104	97	7.0
1,2-Dichloropropane	ND	103	103	0.0	90	90	0.0
1,3,5-Trimethylbenzene	ND	105	103	1.9	98	103	5.0
1,3-Dichlorobenzene	ND	102	98	4.0	78	84	7.4
1,3-Dichloropropane	ND	105	99	5.9	93	93	0.0
1,4-Dichlorobenzene	ND	101	98	3.0	75	80	6.5
2,2-Dichloropropane	ND	101	98	3.0	106	103	2.9
2-Chlorotoluene	ND	104	104	0.0	91	97	6.4
2-Hexanone	ND	115	109	5.4	55	51	7.5
2-Isopropyltoluene	ND	105	103	1.9	91	98	7.4
4-Chlorotoluene	ND	102	100	2.0	87	92	5.6

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
4-Methyl-2-pentanone	ND	102	98	4.0	75	74	1.3
Acetone	ND	100	100	0.0	55	50	9.5
Acrylonitrile	ND	99	98	1.0	80	80	0.0
Benzene	ND	103	102	1.0	93	92	1.1
Bromobenzene	ND	104	103	1.0	85	88	3.5
Bromochloromethane	ND	102	103	1.0	90	87	3.4
Bromodichloromethane	ND	103	103	0.0	100	96	4.1
Bromoform	ND	106	103	2.9	92	91	1.1
Bromomethane	ND	108	102	5.7	94	100	6.2
Carbon Disulfide	ND	107	106	0.9	87	87	0.0
Carbon tetrachloride	ND	106	102	3.8	111	107	3.7
Chlorobenzene	ND	105	100	4.9	87	88	1.1
Chloroethane	ND	110	107	2.8	100	103	3.0
Chloroform	ND	104	101	2.9	104	102	1.9
Chloromethane	ND	101	116	13.8	87	100	13.9
cis-1,2-Dichloroethene	ND	104	101	2.9	92	89	3.3
cis-1,3-Dichloropropene	ND	101	100	1.0	85	84	1.2
Dibromochloromethane	ND	105	104	1.0	99	99	0.0
Dibromoethane	ND	107	103	3.8	87	86	1.2
Dibromomethane	ND	103	101	2.0	95	87	8.8
Dichlorodifluoromethane	ND	118	122	3.3	114	117	2.6
Ethylbenzene	ND	103	98	5.0	93	94	1.1
Hexachlorobutadiene	ND	99	98	1.0	66	77	15.4
Isopropylbenzene	ND	98	97	1.0	98	102	4.0
m&p-Xylene	ND	103	98	5.0	92	93	1.1
Methyl ethyl ketone	ND	115	114	0.9	63	55	13.6
Methyl t-butyl ether (MTBE)	ND	106	104	1.9	102	100	2.0
Methylene chloride	ND	100	93	7.3	88	87	1.1
Naphthalene	ND	116	112	3.5	56	67	17.9
n-Butylbenzene	ND	105	101	3.9	86	93	7.8
n-Propylbenzene	ND	104	105	1.0	94	101	7.2
o-Xylene	ND	106	100	5.8	92	92	0.0
p-Isopropyltoluene	ND	105	104	1.0	92	98	6.3
sec-Butylbenzene	ND	104	103	1.0	93	98	5.2
Styrene	ND	105	101	3.9	86	85	1.2
tert-Butylbenzene	ND	103	103	0.0	98	101	3.0
Tetrachloroethene	ND	101	94	7.2	97	95	2.1
Tetrahydrofuran (THF)	ND	103	102	1.0	90	88	2.2
Toluene	ND	101	100	1.0	90	89	1.1
trans-1,2-Dichloroethene	ND	104	100	3.9	93	89	4.4
trans-1,3-Dichloropropene	ND	104	101	2.9	84	81	3.6
trans-1,4-dichloro-2-butene	ND	108	107	0.9	80	82	2.5
Trichloroethene	ND	100	99	1.0	88	88	0.0
Trichlorofluoromethane	ND	110	103	6.6	122	117	4.2
Trichlorotrifluoroethane	ND	102	102	0.0	105	105	0.0
Vinyl chloride	ND	106	109	2.8	91	93	2.2
% 1,2-dichlorobenzene-d4	103	101	102	1.0	101	103	2.0
% Bromofluorobenzene	94	100	98	2.0	104	104	0.0
% Dibromofluoromethane	98	102	106	3.8	104	103	1.0
% Toluene-d8	99	101	101	0.0	98	97	1.0

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Data

SDG I.D.: GAZ67942

QA/QC Batch 164372, QC Sample No: AZ68286 (AZ67947)

Volatiles

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,1,1,2-Tetrachloroethane	ND	105	97	7.9	102	95	7.1
1,1,1-Trichloroethane	ND	96	99	3.1	106	90	16.3
1,1,2,2-Tetrachloroethane	ND	93	91	2.2	100	112	11.3
1,1,2-Trichloroethane	ND	96	101	5.1	112	119	6.1
1,1-Dichloroethane	ND	96	90	6.5	99	88	11.8
1,1-Dichloroethene	ND	103	106	2.9	112	95	16.4
1,1-Dichloropropene	ND	98	94	4.2	109	104	4.7
1,2,3-Trichlorobenzene	ND	115	86	28.9	105	119	12.5
1,2,3-Trichloropropane	ND	104	102	1.9	96	102	6.1
1,2,4-Trichlorobenzene	ND	107	91	16.2	118	121	2.5
1,2,4-Trimethylbenzene	ND	102	98	4.0	112	105	6.5
1,2-Dibromo-3-chloropropane	ND	103	91	12.4	89	102	13.6
1,2-Dichlorobenzene	ND	101	96	5.1	111	106	4.6
1,2-Dichloroethane	ND	98	95	3.1	107	103	3.8
1,2-Dichloropropane	ND	97	95	2.1	104	100	3.9
1,3,5-Trimethylbenzene	ND	101	97	4.0	109	104	4.7
1,3-Dichlorobenzene	ND	99	96	3.1	113	107	5.5
1,3-Dichloropropane	ND	100	99	1.0	104	97	7.0
1,4-Dichlorobenzene	ND	99	94	5.2	115	105	9.1
2,2-Dichloropropane	ND	92	94	2.2	105	90	15.4
2-Chlorotoluene	ND	98	100	2.0	113	106	6.4
2-Hexanone	ND	92	95	3.2	91	100	9.4
2-Isopropyltoluene	ND	104	95	9.0	110	105	4.7
4-Chlorotoluene	ND	97	99	2.0	112	105	6.5
4-Methyl-2-pentanone	ND	91	95	4.3	95	121	24.1
Acetone	ND	72	66	8.7	53	68	24.8
Acrylonitrile	ND	99	92	7.3	100	118	16.5
Benzene	ND	101	98	3.0	106	91	15.2
Bromobenzene	ND	99	97	2.0	107	106	0.9
Bromochloromethane	ND	94	93	1.1	110	97	12.6
Bromodichloromethane	ND	100	98	2.0	105	99	5.9
Bromoform	ND	101	98	3.0	95	93	2.1
Bromomethane	ND	94	90	4.3	120	108	10.5
Carbon Disulfide	ND	102	106	3.8	108	93	14.9
Carbon tetrachloride	ND	98	98	0.0	104	91	13.3
Chlorobenzene	ND	102	99	3.0	110	103	6.6
Chloroethane	ND	102	104	1.9	77	70	9.5
Chloroform	ND	95	95	0.0	103	93	10.2
Chloromethane	ND	97	96	1.0	99	106	6.8
cis-1,2-Dichloroethene	ND	97	98	1.0	109	96	12.7
cis-1,3-Dichloropropene	ND	96	96	0.0	107	106	0.9
Dibromochloromethane	ND	100	98	2.0	100	91	9.4
Dibromoethane	ND	96	102	6.1	107	121	12.3
Dibromomethane	ND	95	94	1.1	104	110	5.6
Dichlorodifluoromethane	ND	119	120	0.8	107	110	2.8
Ethylbenzene	ND	102	99	3.0	108	99	8.7
Hexachlorobutadiene	ND	109	85	24.7	117	118	0.9
Isopropylbenzene	ND	94	91	3.2	107	104	2.8
m&p-Xylene	ND	101	98	3.0	110	104	5.6
Methyl ethyl ketone	ND	90	76	16.9	78	105	29.5

QA/QC Data

SDG I.D.: GAZ67942

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Methyl t-butyl ether (MTBE)	ND	109	94	14.8	107	121	12.3
Methylene chloride	ND	92	94	2.2	105	95	10.0
Naphthalene	ND	117	95	20.8	101	119	16.4
n-Butylbenzene	ND	100	95	5.1	114	103	10.1
n-Propylbenzene	ND	100	102	2.0	111	103	7.5
o-Xylene	ND	103	101	2.0	110	105	4.7
p-Isopropyltoluene	ND	104	100	3.9	115	106	8.1
sec-Butylbenzene	ND	101	96	5.1	108	102	5.7
Styrene	ND	100	100	0.0	111	105	5.6
tert-Butylbenzene	ND	102	99	3.0	108	103	4.7
Tetrachloroethene	ND	102	97	5.0	110	97	12.6
Tetrahydrofuran (THF)	ND	94	92	2.2	106	135	24.1
Toluene	ND	98	101	3.0	115	109	5.4
trans-1,2-Dichloroethene	ND	98	96	2.1	105	95	10.0
trans-1,3-Dichloropropene	ND	95	98	3.1	110	110	0.0
trans-1,4-dichloro-2-butene	ND	104	102	1.9	96	102	6.1
Trichloroethene	ND	106	103	2.9	111	105	5.6
Trichlorofluoromethane	ND	103	105	1.9	76	57	28.6
Trichlorotrifluoroethane	ND	98	101	3.0	112	94	17.5
Vinyl chloride	ND	103	98	5.0	100	103	3.0
% 1,2-dichlorobenzene-d4	98	99	98	1.0	98	100	2.0
% Bromofluorobenzene	96	95	99	4.1	101	99	2.0
% Dibromofluoromethane	103	97	97	0.0	102	99	3.0
% Toluene-d8	102	97	102	5.0	106	106	0.0

QA/QC Batch 163675, QC Sample No: QC10004 (AZ67947)

Chlorinated Herbicides

2,4,5-T	ND	48	38	23.3	40	24	50.0
2,4,5-TP (Silvex)	ND	86	56	42.3	52	46	12.2
2,4-D	ND	54	34	45.5	34	26	26.7
2,4-DB	ND	52	35	39.1	40	25	46.2
Dalapon	ND	44	44	0.0	28	15	60.5
Dicamba	ND	61	69	12.3	55	51	7.5
Dichloroprop	ND	46	44	4.4	36	22	48.3
Dinoseb	ND	41	55	29.2	53	55	3.7
% DCAA (Surrogate Rec)	60	97	108	10.7	97	91	6.4

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
November 04, 2010

Thursday, November 04, 2010

Requested Criteria: GAM, RC, RV

Sample Criteria Exceedences Report

GAZ67942

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ67942	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.6	3.8	3.8	ug/Kg
AZ67942	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.6	0.5	0.5	ug/Kg
AZ67942	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	4.0	1.2	1.2	ug/Kg
AZ67942	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1100	1000	1000	ug/Kg
AZ67942	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	440	330	330	ug/Kg
AZ67942	DTECHDAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.028	0.010	0.015	0.015	mg/L
AZ67943	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.7	3.8	3.8	ug/Kg
AZ67943	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.7	0.5	0.5	ug/Kg
AZ67943	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	3.4	1.2	1.2	ug/Kg
AZ67943	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1100	1000	1000	ug/Kg
AZ67943	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	430	330	330	ug/Kg
AZ67945	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.5	3.8	3.8	ug/Kg
AZ67945	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.5	0.5	0.5	ug/Kg
AZ67945	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	3.3	1.2	1.2	ug/Kg
AZ67945	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1700	1000	1000	ug/Kg
AZ67945	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	710	330	330	ug/Kg
AZ67947	DTECHDAS	$8260MAR	Benzene	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	120	5	20	20	ug/Kg
AZ67947	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5	3.8	3.8	ug/Kg
AZ67947	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5	0.5	0.5	ug/Kg
AZ67947	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	3	1.2	1.2	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	2-Methylnaphthalene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1100	290	980	980	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1200	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1600	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1600	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Chrysene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2100	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	500	330	330	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2900	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	2900	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1400	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1400	290	1000	1000	ug/Kg
AZ67947	DTECHDAS	AS-SM	Arsenic	mg/kg	CT	Inorganic Substances	RES DEC (mg/kg)	13.8	0.9	10	10	mg/Kg
AZ67947	DTECHDAS	SPLP-PB	SPLP Lead	mg/l	CT	Inorganic Substances	GA/GAA PMC (mg/l)**	0.020	0.010	0.015	0.015	mg/L
AZ67949	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.1	3.8	3.8	ug/Kg
AZ67949	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.1	0.5	0.5	ug/Kg
AZ67949	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	3.7	1.2	1.2	ug/Kg
AZ67949	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1100	1000	1000	ug/Kg
AZ67949	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	450	330	330	ug/Kg

Sample Criteria Exceedences Report

Requested Criteria: GAM, RC, RV

GAZ67942

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ67952	DTECHDAS	$8260MAR	Acrylonitrile	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	11	10	10	ug/Kg
AZ67952	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	11	3.8	3.8	ug/Kg
AZ67952	DTECHDAS	$8260MAR	Dibromoethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	11	10	10	ug/Kg
AZ67952	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	11	0.5	0.5	ug/Kg
AZ67952	DTECHDAS	$8260MAR	Dibromoethane	mg/kg	CT	Volatile Organic Compound	RES DEC (mg/kg)	ND	11	7	7	ug/Kg
AZ67952	DTECHDAS	$8260MAR	1,1,1,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	11	9	9	ug/Kg
AZ67952	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.8	1.2	1.2	ug/Kg
AZ67952	DTECHDAS	$8270-SMR	Carbazole	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	ND	1700	1000	1000	ug/Kg
AZ67952	DTECHDAS	$8270-SMR	3,3'-Dichlorobenzidine	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	ND	710	330	330	ug/Kg
AZ67953	DTECHDAS	$8260MER	Chloromethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	54	54	ug/Kg
AZ67953	DTECHDAS	$8260MER	Vinyl chloride	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	40	40	ug/Kg
AZ67953	DTECHDAS	$8260MER	Vinyl chloride	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	41	41	ug/Kg
AZ67953	DTECHDAS	$8260MER	Bromomethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	200	200	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1-Dichloroethene	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	140	140	ug/Kg
AZ67953	DTECHDAS	$8260MER	Methylene chloride	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	500	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	Acrylonitrile	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	500	10	10	ug/Kg
AZ67953	DTECHDAS	$8260MER	Chloroform	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	120	120	ug/Kg
AZ67953	DTECHDAS	$8260MER	Chloroform	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	78	78	ug/Kg
AZ67953	DTECHDAS	$8260MER	Carbon tetrachloride	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	Carbon tetrachloride	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	60	60	ug/Kg
AZ67953	DTECHDAS	$8260MER	Benzene	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	20	20	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,2-Dichloroethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	20	20	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,2-Dichloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	13	13	ug/Kg
AZ67953	DTECHDAS	$8260MER	Trichloroethene	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	Trichloroethene	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	140	140	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,2-Dichloropropane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,2-Dichloropropane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	21	21	ug/Kg
AZ67953	DTECHDAS	$8260MER	Bromodichloromethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	11	11	ug/Kg
AZ67953	DTECHDAS	$8260MER	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	3.8	3.8	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1,2-Trichloroethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	Dibromoethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	10	10	ug/Kg
AZ67953	DTECHDAS	$8260MER	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	0.5	0.5	ug/Kg
AZ67953	DTECHDAS	$8260MER	Dibromoethane	mg/kg	CT	Volatile Organic Compound	RES DEC (mg/kg)	ND	250	7	7	ug/Kg
AZ67953	DTECHDAS	$8260MER	Tetrachloroethene	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	100	100	ug/Kg
AZ67953	DTECHDAS	$8260MER	Dibromochloromethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	10	10	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1,1,2-Tetrachloroethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	20	20	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1,1,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	9	9	ug/Kg
AZ67953	DTECHDAS	$8260MER	Bromoform	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	80	80	ug/Kg

Thursday, November 04, 2010

Sample Criteria Exceedences Report

Requested Criteria: GAM, RC, RV

GAZ67942

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ67953	DTECHDAS	$8260MER	Bromoform	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	40	40	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1,2,2-Tetrachloroethane	mg/kg	CT	Volatile Organic Compound	GA/GAA PMC (mg/kg)	ND	250	10	10	ug/Kg
AZ67953	DTECHDAS	$8260MER	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	250	1.2	1.2	ug/Kg
AZ67954	DTECHDAS	$8260MAR	Bromodichloromethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.0	3.8	3.8	ug/Kg
AZ67954	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	5.0	0.5	0.5	ug/Kg
AZ67954	DTECHDAS	$8260MAR	1,1,2,2-Tetrachloroethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	3.0	1.2	1.2	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** DTECHDAS

Project Location: BRANFORD SLE 09-188-7E **Project Number:**

Laboratory Sample ID(s): AZ67942, AZ67943, AZ67944, AZ67945, AZ67946, AZ67947, AZ67948, AZ67949, AZ67950, AZ67951, AZ67952, AZ67953, AZ67954

Sampling Date(s): 10/17/2010, 10/19/2010

RCP Methods Used:

☑ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☑ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: ETPH Narration, SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☑ Yes ☐ No ☐ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Date: Thursday, November 04, 2010

Authorized Signature: Kathleen Cressia

Printed Name: Kathleen Cressia

Position: QA/QC Officer

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RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS/LCSD RPD was greater than 30% due to variability in the extractions of the LCS and LCSD. The recoveries were both in criteria. The batch containing sample AZ67947 had two outliers in the discrimination check sample.

Instrument: Au-fid1 10/21/10-1 (AZ67952)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C9

Printed Name Jeff Bucko
Position: Chemist
Date: 10/21/2010

Instrument: Au-fid1 10/21/10-2 (AZ67947)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C9, C36

Printed Name Jeff Bucko
Position: Chemist
Date: 10/21/2010

Instrument: Au-fid1 10/24/10-1 (AZ67949)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 10/24/2010

Instrument: Au-xl1 10/21/10-2 (AZ67942, AZ67943, AZ67945)

Initial Calibration (FIDXL1 - AUG 2010/ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36

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November 04, 2010

SDG I.D.: GAZ67942

Printed Name Jeff Bucko
Position: Chemist
Date: 10/21/2010

QC Comments: QC Batch 63839 10/20/10 (AZ67947, AZ67949, AZ67952)

*The MS/MSD could not be analyzed because of matrix interference. The LCS was within QA/QC criteria.

QC (Batch Specific)

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % n-Pentacosane, Ext. Petroleum HC

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 10/21/10-1 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 10/21/2010

Instrument: Merlin 10/22/10-1 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 10/22/2010

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SDG I.D.: GAZ67942

QC (Batch Specific)

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp7 10/22/10-1 (AZ67942, AZ67943, AZ67945, AZ67947, AZ67949, AZ67952)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/22/2010

Instrument: Icp7 11/01/10-1 (AZ67947)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 11/1/2010

Instrument: Icp9 10/29/10-1 (AZ67942, AZ67947)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/29/2010

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RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

QC (Site Specific)

---------- Sample No: AZ67947 ----------

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 75 - 125 with the following exceptions: None.

All MSD recoveries were within 75 - 125 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 10/20/10-1 (AZ67947, AZ67949, AZ67952)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/20/2010

Instrument: Au-ecd6 10/22/10-1 (AZ67947, AZ67949, AZ67952)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

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RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

Printed Name Michael Hahn
Position: Chemist
Date: 10/22/2010

Instrument: Au-ecd6 10/25/10-1 (AZ67942, AZ67943)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Keith Aloisa
Position: Chemist
Date: 10/25/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd13 10/25/10-1 (AZ67942, AZ67947)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 15% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: None

Printed Name Michael Hahn
Position: Chemist
Date: 10/25/2010

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RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

2,4-dinitrophenol had low recoveries in the LCS and LCSD. If this is a compounds of concern, a low analytical bias is possible. 2-Nitroanaline and 3-Nitroanaline had high recoveries in the LCS/LCSD. A significant analytical bias is not suspected as they were not detected in the samples. The LCS/LCSD RPD was greater than 30% for 4,6-dinitro-2-methylphenol.

Instrument: Chem06 10/21/10-1 (AZ67942, AZ67943, AZ67945, AZ67952)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem06/SV_1020):
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: 4-chloroaniline, Hexachlorocyclopentadiene, 3-nitroaniline, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, Pentachlorophenol

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, Bis(2-chloroethoxy)methane, Hexachlorobenzene, % 2,4,6-tribromophenol

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference from the initial calibration: Benzoic Acid, 4-Chloroaniline, Hexachlorocyclopentadiene

Printed Name Keith Aloisa
Position: Chemist
Date: 10/21/2010

Instrument: Chem06 10/25/10-2 (AZ67945)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem06/SV_1020):
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: 4-chloroaniline, Hexachlorocyclopentadiene, 3-nitroaniline, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, Pentachlorophenol

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, Bis(2-chloroethoxy)methane, Hexachlorobenzene, % 2,4,6-tribromophenol

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference

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RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

from the initial calibration: Bis(2-chloroisopropyl)ether, 4-Chloroaniline, Hexachlorocyclopentadiene, 3-Nitroaniline, 4-Nitrophenol

Printed Name Keith Aloisa
Position: Chemist
Date: 10/25/2010

Instrument: Chem12 10/21/10-1 (AZ67947, AZ67949, AZ67952)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem12/SV_0929):

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient:2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, Pentachlorophenol, Carbazole

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, hexachlorobenzene

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference from the initial calibration: Pyridine, Hexachlorocyclopentadiene, 3-Nitroaniline, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, % 2,4,6-Tribromophenol, Atrazine, Carbazole

Printed Name Keith Aloisa
Position: Chemist
Date: 10/21/2010

QC (Site Specific)

---------- Sample No: AZ67952 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol, 2-Nitroaniline, 3-Nitroaniline

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol, 2-Nitroaniline, 3-Nitroaniline

All LCS/LCSD RPDs were less than 30% with the following exceptions: 4,6-Dinitro-2-methylphenol

All MS recoveries were within 30 - 130 with the following exceptions: None.

All MSD recoveries were within 30 - 130 with the following exceptions: None.

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

Several compounds had LCS and/or LCSD recoveries above 130%; a positive bias is not suspected because these compounds were not detected in the samples. Bromoform and Chloromethane had recoveries below 70% in the LCS and/or LCSD but above 40%. (Criteria: 10% of volatile compounds are allowed to be outside criteria if >40%).

Instrument: Chem03 10/20/10-2 (AZ67945, AZ67947, AZ67952, AZ67953, AZ67954)

Initial Calibration Verification (RCPW_1013):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Chloromethane, Acetone, Methylene Chloride, 1,2-dibromo-3-chloropropane

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: Bromomethane, Trichlorofluoromethane, Acetone, Methylene Chloride, Trans-1,2-Dichloroethene, 1,1-Dichloroethane, Acrylonitrile, Tetrahydrofuran (THF), Methyl Ethyl Ketone, Chloroform, Bromoform

Printed Name Lynne Matteson
Position: Chemist
Date: 10/20/2010

Instrument: Chem03 10/21/10-1 (AZ67942, AZ67943, AZ67949)

Initial Calibration Verification (RCPW_1021):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Acetone

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

Printed Name Lynne Matteson
Position: Chemist
Date: 10/21/2010

Instrument: Chem03 10/22/10-1 (AZ67947)

Initial Calibration Verification (RCPW_1021):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Acetone

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

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Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

Printed Name Lynne Matteson
Position: Chemist
Date: 10/22/2010

Instrument: Chem03 10/23/10-1 (AZ67942)

Initial Calibration Verification (RCPW_1021):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Acetone

Continuing Calibration Verification:
>80% of target compounds met method criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

Printed Name Lynne Matteson
Position: Chemist
Date: 10/23/2010

Instrument: Chem11 10/25/10-2 (AZ67947)

Initial Calibration Verification (CHEM11/RCPS_1025):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone, Methyl Ethyl Ketone, Hexachlorobutadiene

Continuing Calibration Verification:
>80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >30%: Acetone

Printed Name Lynne Matteson
Position: Chemist
Date: 10/25/2010

QC Comments: QC Batch 64130 10/25/10 (AZ67942, AZ67943, AZ67949)

A blank MS/MSD was analyzed with this batch.

QC Comments: QC Batch 64317 10/26/10 (AZ67947)

No MS/MSD was analyzed with this batch.

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 04, 2010

SDG I.D.: GAZ67942

QC (Site Specific)

---------- Sample No: AZ67942 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

All MS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Acetone, Bromomethane, Chloroethane, Trichlorofluoromethane

All MSD recoveries were within 70 - 130 with the following exceptions: Acetone, Chloroethane, Trichlorofluoromethane

All MS/MSD RPDs were less than 30% with the following exceptions: None.

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 70 - 130 with the following exceptions: 1,1-Dichloroethane, Acetone, Acrylonitrile, Bromoform, Chloromethane, Methyl ethyl ketone, Trichlorofluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,1-Dichloroethane, Acetone, Bromoform, Chloromethane

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6 Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: joy.kloss@tcandtc.com

Customer: Diversified Technology Consultants
Address: 2321 Whitney Ave
Hamden, CT

Project: Brenford SLE/09-188-07E
Report to: Joy Kloss - DTC
Invoice to: DTC - DAS Contract/JSP Form

Project P.O: 00000 77455
Phone #: 203-239-4200
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Joy P Kloss Date 10-20-10

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	ETPH	Total RCRA 8 Metals	RCBS 8082	Pesticides	Herbicides				Hold		Soil VOA [✓] Methanol [ ] S. Bisulfate [✓] H20	GL Soil container (8) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
67942	RA-11 (2-2.5)	S	10-17-10	2245	X	X	X	X	X	X							3	1								
67943	RA-11 (5-5.5)			2250	X	X	X	X	X								3	1								
67944	RA-11 (7-7.5)			2252											X		3	1								
67945	RA-11 (10-10.33)			2258	X	X	X	X	X								3	1								
67946	RA-11 (12-13.2)			2300											X		3	1								
67947	RA-12 (0-2.5)		10-19-10	0055	X	X	X	X	X	X	X						3	1								
67948	RA-12 (5-6)			0100											X		3	1								
67949	RA-12 (7-7.6)			0105	X	X	X	X	X								3	1								
67950	RA-12 (10-10.7)			0111											X		3	1								
67951	RA-12 (15-17)			0130	~~X~~	~~X~~									X		3	1								
67952	RA-12 (19-21)			0145	X	X	X	X	X								3	1								
67953	Trip Blank-H	O	10/17-10-19	—	X												3									

Relinquished by:	Accepted by:	Date:	Time:
Joy P Kloss	Mike B.	10/20/10	12:45
Mike B.	Monica Perez	10/20/10	17:18

Comments, Special Requirements or Regulations:
67954 - TB-L

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ Standard
☐ Other
(*5 DAY)
*SURCHARGE APPLIES

CT/RI
☑ RCP Cert.
☐ GW Protect.
☑ GA Mobility
☐ GB Mobility
☐ SW Protect.
☑ Res. Vol.
☐ Ind. Vol.
☑ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT

PHOENIX Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6° Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: joy.kloss@teamdtc.com

Customer: Diversified Technology Consultants
Address: 2321 Whitney Ave
Hamden, CT

Project: Branford SLE/09-188-07E
Report to: Joy Kloss - DTC
Invoice to: DTC - DAS Contract / JSP Form

Project P.O: 00000 774,55
Phone #: 203-239-4200
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Joy P Kloss Date 10-20-10

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOCs 8270	EPH TH	Total RCRA 8 Metals	RCBs 8082	Pesticides	Herbicides	SPLP PB	SPLP PB	TCLP PB	Hold	Soil VOA (w/Methanol [ ]S, Bisulfate [ ]H2O)	GL Soil container (8 oz)	GL Soil container ( ) oz	40 ml VOA Vial [ ]As is [ ]HCl	GL Amber 1000ml [ ]As is [ ]H2SO4	PL As is [ ]250ml [ ]500ml [ ]1000ml	PL H2SO4 [ ]250ml [ ]500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
67942	RA-11 (2-2.5)	S	10-17-10	2245	X	X	X	X	X	X			X				3	1							
67943	RA-11 (5-5.5)			2250	X	X	X	X	X								3	1							
67944	RA-11 (7-7.5)			2252											X		3	1							
67945	RA-11 (10-10.33)			2258	X	X	X	X	X								3	1							
67946	RA-11 (12-13.2)			2300											X		3	1							
67947	RA-12 (0-2.5)		10-19-10	0055	X	X	X	X	X	X	X	X	X	X			3	1							
67948	RA-12 (5-6)			0100											X		3	1							
67949	RA-12 (7-7.6)			0105	X	X	X	X	X								3	1							
67950	RA-12 (10-10.7)			0111											X		3	1							
67951	RA-12 (15-17)			0130											X		3	1							
67952	RA-12 (19-21)			0145	X	X	X	X	X								3	1							
67953	Trip Blank-H	O	10/17-10/19	—	X												3								

Relinquished by:	Accepted by:	Date:	Time:
Joy P Kloss	[illegible]	10/20/10	12:45
[illegible]	[illegible]	10/20/10	17:18

Comments, Special Requirements or Regulations:
67954 - TB-L

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ Standard
☐ Other
*5 DAY
*SURCHARGE APPLIES

CT/RI
☑ RCP Cert.
☐ GW Protect.
☑ GA Mobility
☐ GB Mobility
☐ SW Protect.
☑ Res. Vol.
☐ Ind. Vol.
☑ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT

Linda - Phoenixlabs

From: Kloss, Joy [joy.kloss@teamdtc.com]
Sent: Thursday, October 28, 2010 2:34 PM
To: Linda - Phoenixlabs
Subject: Additional analysis

Can you please additionally analyze the following samples?

AZ67942 RR-11 (2-2.5) for SPLP Pb
AZ67947 RR-12 (0-2.5) for SPLP and TCLP Pb, and SPLP As

See attached COC...

20101028135758848.pdf

Thanks,

Joy P. Kloss
Sr. Environmental Scientist
Diversified Technology Consultants, Inc.
2321 Whitney Avenue
Suite 301
Hamden, CT 06518
ph (203) 239-4200
cell (203) 640-0965
fax (203) 234-7376

PHOENIX
Environmental Laboratories, Inc.

Wednesday, October 20, 2010

Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Project ID: BRANFORD SLE 09-188-7E
Sample ID#s: AZ66072 - AZ66073, AZ66075 - AZ66078

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Telephone (860) 645-1102 Fax (860) 645-0823

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	8:50
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66072

Project ID: BRANFORD SLE 09-188-7E

Client ID: RR-13 (0-2.7)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	10/16/10		EK	6010/200.7
Arsenic	1.4	0.8	mg/Kg	10/16/10		EK	6010/200.7
Barium	40.8	0.38	mg/Kg	10/16/10		EK	6010/200.7
Cadmium	< 0.38	0.38	mg/Kg	10/16/10		EK	6010/200.7
Chromium	16.4	0.38	mg/Kg	10/16/10		EK	6010/200.7
Mercury	< 0.06	0.06	mg/Kg	10/18/10		RS	SW-7471
Lead	27.0	0.38	mg/Kg	10/16/10		EK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	10/16/10		EK	6010/200.7
Percent Solid	93		%	10/15/10		JL	E160.3
Soil Extraction for PCB	Completed			10/15/10		FB	SW3545
Soil Extraction for Pesticide	Completed			10/15/10		FB/F	SW3545
Soil Extraction for SVOA	Completed			10/15/10		FS/F	SW3545
Extraction of CT ETPH	Completed			10/15/10		FS/D	3545
Mercury Digestion	Completed			10/18/10		X	SW7471
Total Metals Digest	Completed			10/15/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	1.2	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (0-2.7)

Phoenix I.D.: AZ66072

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2,4-Trimethylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	30	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
4-Methyl-2-pentanone	ND	30	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	120	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	3.8	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	3.6	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	36	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	12	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (0-2.7)

Phoenix I.D.: AZ66072

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrachloroethene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	12	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	6.0	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	93		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	100		%	10/17/10		R/L	SW8260
% Dibromofluoromethane	105		%	10/17/10		R/L	SW8260
% Toluene-d8	99		%	10/17/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
1,2-Dichlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
1,3-Dichlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
1,4-Dichlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,4-Dichlorophenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,4-Dimethylphenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrophenol	ND	1100	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrotoluene	ND	490	ug/Kg	10/16/10		HM	SW 8270
2,6-Dinitrotoluene	ND	490	ug/Kg	10/16/10		HM	SW 8270
2-Chloronaphthalene	ND	490	ug/Kg	10/16/10		HM	SW 8270
2-Chlorophenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
2-Methylnaphthalene	ND	490	ug/Kg	10/16/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	490	ug/Kg	10/16/10		HM	SW 8270
2-Nitroaniline	ND	1100	ug/Kg	10/16/10		HM	SW 8270
2-Nitrophenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	700	ug/Kg	10/16/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	840	ug/Kg	10/16/10		HM	SW 8270
3-Nitroaniline	ND	1100	ug/Kg	10/16/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	2000	ug/Kg	10/16/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	700	ug/Kg	10/16/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
4-Chloroaniline	ND	490	ug/Kg	10/16/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	490	ug/Kg	10/16/10		HM	SW 8270
4-Nitroaniline	ND	1100	ug/Kg	10/16/10		HM	SW 8270
4-Nitrophenol	ND	2000	ug/Kg	10/16/10		HM	SW 8270
Acenaphthene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Acenaphthylene	1100	490	ug/Kg	10/16/10		HM	SW 8270
Acetophenone	ND	490	ug/Kg	10/16/10		HM	SW 8270
Aniline	ND	2000	ug/Kg	10/16/10		HM	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (0-2.7)

Phoenix I.D.: AZ66072

Parameter	Result	RL	Units	Date	Time	By	Reference
Anthracene	900	490	ug/Kg	10/16/10		HM	SW 8270
Azobenzene	ND	700	ug/Kg	10/16/10		HM	SW 8270
Benz(a)anthracene	3200	490	ug/Kg	10/16/10		HM	SW 8270
Benzidine	ND	840	ug/Kg	10/16/10		HM	SW 8270
Benzo(a)pyrene	2900	490	ug/Kg	10/16/10		HM	SW 8270
Benzo(b)fluoranthene	4000	490	ug/Kg	10/16/10		HM	SW 8270
Benzo(ghi)perylene	1000	490	ug/Kg	10/16/10		HM	SW 8270
Benzo(k)fluoranthene	1400	490	ug/Kg	10/16/10		HM	SW 8270
Benzoic acid	ND	2000	ug/Kg	10/16/10		HM	SW 8270
Benzyl butyl phthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	490	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	700	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	490	ug/Kg	10/16/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Carbazole	ND	2000	ug/Kg	10/16/10		HM	SW 8270
Chrysene	3000	490	ug/Kg	10/16/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Dibenzofuran	ND	490	ug/Kg	10/16/10		HM	SW 8270
Diethyl phthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Dimethylphthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Di-n-butylphthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Di-n-octylphthalate	ND	490	ug/Kg	10/16/10		HM	SW 8270
Fluoranthene	6800	490	ug/Kg	10/16/10		HM	SW 8270
Fluorene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobutadiene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Hexachloroethane	ND	490	ug/Kg	10/16/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	1000	490	ug/Kg	10/16/10		HM	SW 8270
Isophorone	ND	490	ug/Kg	10/16/10		HM	SW 8270
Naphthalene	ND	490	ug/Kg	10/16/10		HM	SW 8270
Nitrobenzene	ND	490	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodimethylamine	ND	700	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	490	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	700	ug/Kg	10/16/10		HM	SW 8270
Pentachloronitrobenzene	ND	700	ug/Kg	10/16/10		HM	SW 8270
Pentachlorophenol	ND	700	ug/Kg	10/16/10		HM	SW 8270
Phenanthrene	3100	490	ug/Kg	10/16/10		HM	SW 8270
Phenol	ND	490	ug/Kg	10/16/10		HM	SW 8270
Pyrene	6000	490	ug/Kg	10/16/10		HM	SW 8270
Pyridine	ND	700	ug/Kg	10/16/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	55		%	10/16/10		HM	SW 8270
% 2-Fluorobiphenyl	37		%	10/16/10		HM	SW 8270
% 2-Fluorophenol	39		%	10/16/10		HM	SW 8270
% Nitrobenzene-d5	38		%	10/16/10		HM	SW 8270
% Phenol-d5	38		%	10/16/10		HM	SW 8270
% Terphenyl-d14	35		%	10/16/10		HM	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (0-2.7)

Phoenix I.D.: AZ66072

Parameter	Result	RL	Units	Date	Time	By	Reference
TPH by GC (Extractable Products)							
Ext. Petroleum HC	530	11	mg/Kg	10/19/10		JRB	CT ETPH/8015
Identification	**		mg/Kg	10/19/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	Interference		%	10/19/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1221	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1232	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1242	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1248	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1254	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1260	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1262	ND	360	ug/Kg	10/18/10		MH	SW 8082
PCB-1268	ND	360	ug/Kg	10/18/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	120		%	10/18/10		MH	SW 8082
% TCMX	70		%	10/18/10		MH	SW 8082
Pesticides							
4,4' -DDD	ND	34	ug/Kg	10/19/10		MH	SW8081
4,4' -DDE	ND	34	ug/Kg	10/19/10		MH	SW8081
4,4' -DDT	ND	34	ug/Kg	10/19/10		MH	SW8081
a-BHC	ND	17	ug/Kg	10/19/10		MH	SW8081
Alachlor	ND	17	ug/Kg	10/19/10		MH	SW8081
Aldrin	ND	5.4	ug/Kg	10/19/10		MH	SW8081
b-BHC	ND	17	ug/Kg	10/19/10		MH	SW8081
Chlordane	ND	54	ug/Kg	10/19/10		MH	SW8081
d-BHC	ND	17	ug/Kg	10/19/10		MH	SW8081
Dieldrin	ND	5.4	ug/Kg	10/19/10		MH	SW8081
Endosulfan I	ND	17	ug/Kg	10/19/10		MH	SW8081
Endosulfan II	ND	34	ug/Kg	10/19/10		MH	SW8081
Endosulfan sulfate	ND	34	ug/Kg	10/19/10		MH	SW8081
Endrin	ND	34	ug/Kg	10/19/10		MH	SW8081
Endrin aldehyde	ND	34	ug/Kg	10/19/10		MH	SW8081
Endrin ketone	ND	34	ug/Kg	10/19/10		MH	SW8081
g-BHC	ND	5.4	ug/Kg	10/19/10		MH	SW8081
Heptachlor	ND	11	ug/Kg	10/19/10		MH	SW8081
Heptachlor epoxide	ND	17	ug/Kg	10/19/10		MH	SW8081
Methoxychlor	ND	170	ug/Kg	10/19/10		MH	SW8081
Toxaphene	ND	170	ug/Kg	10/19/10		MH	SW8081
QA/QC Surrogates							
% DCBP	97		%	10/19/10		MH	SW8081
% TCMX	78		%	10/19/10		MH	SW8081

Project ID: BRANFORD SLE 09-188-7E

Client ID: RR-13 (0-2.7)

Phoenix I.D.: AZ66072

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards,
but contains a distribution in the C14 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	9:00
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66073

Project ID: BRANFORD SLE 09-188-7E

Client ID: RR-13 (4-4.5)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.41	0.41	mg/Kg	10/16/10		EK	6010/200.7
Arsenic	1.6	0.8	mg/Kg	10/16/10		EK	6010/200.7
Barium	44.1	0.41	mg/Kg	10/16/10		EK	6010/200.7
Cadmium	< 0.41	0.41	mg/Kg	10/16/10		EK	6010/200.7
Chromium	14.4	0.41	mg/Kg	10/16/10		EK	6010/200.7
Mercury	0.28	0.07	mg/Kg	10/18/10		RS	SW-7471
Lead	48.0	0.41	mg/Kg	10/16/10		EK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	10/16/10		EK	6010/200.7
Percent Solid	84		%	10/15/10		JL	E160.3
Soil Extraction for PCB	Completed			10/15/10		FB/F	SW3545
Soil Extraction for SVOA	Completed			10/15/10		FS/F	SW3545
Extraction of CT ETPH	Completed			10/15/10		FS/D	3545
Mercury Digestion	Completed			10/18/10		X	SW7471
Total Metals Digest	Completed			10/15/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	1.2	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (4-4.5)

Phoenix I.D.: AZ66073

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	35	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
4-Methyl-2-pentanone	ND	35	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	140	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	3.8	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	4.1	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	41	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	14	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Tetrachloroethene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (4-4.5)

Phoenix I.D.: AZ66073

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	14	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	14	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	6.9	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	103		%	10/17/10		R/L	SW8260
% Dibromofluoromethane	96		%	10/17/10		R/L	SW8260
% Toluene-d8	95		%	10/17/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
1,2-Dichlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
1,3-Dichlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
1,4-Dichlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,4-Dichlorophenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,4-Dimethylphenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrophenol	ND	1300	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrotoluene	ND	550	ug/Kg	10/16/10		HM	SW 8270
2,6-Dinitrotoluene	ND	550	ug/Kg	10/16/10		HM	SW 8270
2-Chloronaphthalene	ND	550	ug/Kg	10/16/10		HM	SW 8270
2-Chlorophenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
2-Methylnaphthalene	ND	550	ug/Kg	10/16/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	550	ug/Kg	10/16/10		HM	SW 8270
2-Nitroaniline	ND	1300	ug/Kg	10/16/10		HM	SW 8270
2-Nitrophenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	790	ug/Kg	10/16/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	940	ug/Kg	10/16/10		HM	SW 8270
3-Nitroaniline	ND	1300	ug/Kg	10/16/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	2300	ug/Kg	10/16/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	790	ug/Kg	10/16/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
4-Chloroaniline	ND	550	ug/Kg	10/16/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	550	ug/Kg	10/16/10		HM	SW 8270
4-Nitroaniline	ND	1300	ug/Kg	10/16/10		HM	SW 8270
4-Nitrophenol	ND	2300	ug/Kg	10/16/10		HM	SW 8270
Acenaphthene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Acenaphthylene	750	550	ug/Kg	10/16/10		HM	SW 8270
Acetophenone	ND	550	ug/Kg	10/16/10		HM	SW 8270
Aniline	ND	2300	ug/Kg	10/16/10		HM	SW 8270
Anthracene	1200	550	ug/Kg	10/16/10		HM	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (4-4.5)

Phoenix I.D.: AZ66073

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	790	ug/Kg	10/16/10		HM	SW 8270
Benz(a)anthracene	2400	550	ug/Kg	10/16/10		HM	SW 8270
Benzidine	ND	940	ug/Kg	10/16/10		HM	SW 8270
Benzo(a)pyrene	1800	550	ug/Kg	10/16/10		HM	SW 8270
Benzo(b)fluoranthene	2400	550	ug/Kg	10/16/10		HM	SW 8270
Benzo(ghi)perylene	700	550	ug/Kg	10/16/10		HM	SW 8270
Benzo(k)fluoranthene	840	550	ug/Kg	10/16/10		HM	SW 8270
Benzoic acid	ND	2300	ug/Kg	10/16/10		HM	SW 8270
Benzyl butyl phthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	550	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	790	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	550	ug/Kg	10/16/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Carbazole	ND	2300	ug/Kg	10/16/10		HM	SW 8270
Chrysene	2200	550	ug/Kg	10/16/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Dibenzofuran	ND	550	ug/Kg	10/16/10		HM	SW 8270
Diethyl phthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Dimethylphthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Di-n-butylphthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Di-n-octylphthalate	ND	550	ug/Kg	10/16/10		HM	SW 8270
Fluoranthene	6500	550	ug/Kg	10/16/10		HM	SW 8270
Fluorene	1100	550	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobutadiene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Hexachloroethane	ND	550	ug/Kg	10/16/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	690	550	ug/Kg	10/16/10		HM	SW 8270
Isophorone	ND	550	ug/Kg	10/16/10		HM	SW 8270
Naphthalene	ND	550	ug/Kg	10/16/10		HM	SW 8270
Nitrobenzene	ND	550	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodimethylamine	ND	790	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	550	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	790	ug/Kg	10/16/10		HM	SW 8270
Pentachloronitrobenzene	ND	790	ug/Kg	10/16/10		HM	SW 8270
Pentachlorophenol	ND	790	ug/Kg	10/16/10		HM	SW 8270
Phenanthrene	6300	550	ug/Kg	10/16/10		HM	SW 8270
Phenol	ND	550	ug/Kg	10/16/10		HM	SW 8270
Pyrene	4900	550	ug/Kg	10/16/10		HM	SW 8270
Pyridine	ND	790	ug/Kg	10/16/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	84		%	10/16/10		HM	SW 8270
% 2-Fluorobiphenyl	51		%	10/16/10		HM	SW 8270
% 2-Fluorophenol	61		%	10/16/10		HM	SW 8270
% Nitrobenzene-d5	45		%	10/16/10		HM	SW 8270
% Phenol-d5	60		%	10/16/10		HM	SW 8270
% Terphenyl-d14	56		%	10/16/10		HM	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	70	12	mg/Kg	10/19/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (4-4.5)

Phoenix I.D.: AZ66073

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	**		mg/Kg	10/19/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	85		%	10/19/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1221	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1232	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1242	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1248	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1254	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1260	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1262	ND	390	ug/Kg	10/18/10		MH	SW 8082
PCB-1268	ND	390	ug/Kg	10/18/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	98		%	10/18/10		MH	SW 8082
% TCMX	79		%	10/18/10		MH	SW 8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C14 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	9:10
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66075

Project ID: BRANFORD SLE 09-188-7E

Client ID: RR-13 (8-9)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.48	0.48	mg/Kg	10/16/10		EK	6010/200.7
Arsenic	1.5	1.0	mg/Kg	10/16/10		EK	6010/200.7
Barium	14.4	0.48	mg/Kg	10/16/10		EK	6010/200.7
Cadmium	< 0.48	0.48	mg/Kg	10/16/10		EK	6010/200.7
Chromium	11.7	0.48	mg/Kg	10/16/10		EK	6010/200.7
Mercury	< 0.07	0.07	mg/Kg	10/18/10		RS	SW-7471
Lead	10.6	0.48	mg/Kg	10/16/10		EK	6010/200.7
Selenium	< 1.9	1.9	mg/Kg	10/16/10		EK	6010/200.7
Percent Solid	75		%	10/15/10		JL	E160.3
Soil Extraction for PCB	Completed			10/15/10		FB/F	SW3545
Soil Extraction for SVOA	Completed			10/15/10		FS/F	SW3545
Extraction of CT ETPH	Completed			10/15/10		FS/D	3545
Mercury Digestion	Completed			10/18/10		X	SW7471
Total Metals Digest	Completed			10/15/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	9	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	1.2	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (8-9)

Phoenix I.D.: AZ66075

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	12	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	12	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	12	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	61	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	12	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	12	ug/Kg	10/17/10		R/L	SW8260
4-Methyl-2-pentanone	ND	61	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	240	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	10	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	3.8	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	12	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	12	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	12	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	12	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	12	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	7.3	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	7	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	73	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	24	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	12	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	500	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	12	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	12	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	12	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Tetrachloroethene	ND	12	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (8-9)

Phoenix I.D.: AZ66075

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	24	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	12	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	12	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	12	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	24	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	12	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	12	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	12	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	96		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	98		%	10/17/10		R/L	SW8260
% Dibromofluoromethane	113		%	10/17/10		R/L	SW8260
% Toluene-d8	96		%	10/17/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
1,2-Dichlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
1,3-Dichlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
1,4-Dichlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,4-Dichlorophenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,4-Dimethylphenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrophenol	ND	1400	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrotoluene	ND	620	ug/Kg	10/16/10		HM	SW 8270
2,6-Dinitrotoluene	ND	620	ug/Kg	10/16/10		HM	SW 8270
2-Chloronaphthalene	ND	620	ug/Kg	10/16/10		HM	SW 8270
2-Chlorophenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
2-Methylnaphthalene	ND	620	ug/Kg	10/16/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	620	ug/Kg	10/16/10		HM	SW 8270
2-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
2-Nitrophenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	890	ug/Kg	10/16/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	1100	ug/Kg	10/16/10		HM	SW 8270
3-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	2600	ug/Kg	10/16/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	890	ug/Kg	10/16/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
4-Chloroaniline	ND	620	ug/Kg	10/16/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	620	ug/Kg	10/16/10		HM	SW 8270
4-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
4-Nitrophenol	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Acenaphthene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Acenaphthylene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Acetophenone	ND	620	ug/Kg	10/16/10		HM	SW 8270
Aniline	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Anthracene	ND	620	ug/Kg	10/16/10		HM	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (8-9)

Phoenix I.D.: AZ66075

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	890	ug/Kg	10/16/10		HM	SW 8270
Benz(a)anthracene	770	620	ug/Kg	10/16/10		HM	SW 8270
Benzidine	ND	1100	ug/Kg	10/16/10		HM	SW 8270
Benzo(a)pyrene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Benzo(b)fluoranthene	730	620	ug/Kg	10/16/10		HM	SW 8270
Benzo(ghi)perylene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Benzo(k)fluoranthene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Benzoic acid	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Benzyl butyl phthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	620	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	890	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	620	ug/Kg	10/16/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Carbazole	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Chrysene	700	620	ug/Kg	10/16/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Dibenzofuran	ND	620	ug/Kg	10/16/10		HM	SW 8270
Diethyl phthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Dimethylphthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Di-n-butylphthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Di-n-octylphthalate	ND	620	ug/Kg	10/16/10		HM	SW 8270
Fluoranthene	1800	620	ug/Kg	10/16/10		HM	SW 8270
Fluorene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobutadiene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Hexachloroethane	ND	620	ug/Kg	10/16/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Isophorone	ND	620	ug/Kg	10/16/10		HM	SW 8270
Naphthalene	ND	620	ug/Kg	10/16/10		HM	SW 8270
Nitrobenzene	ND	620	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodimethylamine	ND	890	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	620	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	890	ug/Kg	10/16/10		HM	SW 8270
Pentachloronitrobenzene	ND	890	ug/Kg	10/16/10		HM	SW 8270
Pentachlorophenol	ND	890	ug/Kg	10/16/10		HM	SW 8270
Phenanthrene	1500	620	ug/Kg	10/16/10		HM	SW 8270
Phenol	ND	620	ug/Kg	10/16/10		HM	SW 8270
Pyrene	1300	620	ug/Kg	10/16/10		HM	SW 8270
Pyridine	ND	890	ug/Kg	10/16/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	85		%	10/16/10		HM	SW 8270
% 2-Fluorobiphenyl	51		%	10/16/10		HM	SW 8270
% 2-Fluorophenol	63		%	10/16/10		HM	SW 8270
% Nitrobenzene-d5	58		%	10/16/10		HM	SW 8270
% Phenol-d5	62		%	10/16/10		HM	SW 8270
% Terphenyl-d14	53		%	10/16/10		HM	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	56	13	mg/Kg	10/18/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13 (8-9)

Phoenix I.D.: AZ66075

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	**		mg/Kg	10/18/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	100		%	10/18/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1221	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1232	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1242	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1248	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1254	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1260	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1262	ND	430	ug/Kg	10/18/10		MH	SW 8082
PCB-1268	ND	430	ug/Kg	10/18/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	120		%	10/18/10		MH	SW 8082
% TCMX	78		%	10/18/10		MH	SW 8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C14 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	0:00
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66076

Project ID: BRANFORD SLE 09-188-7E

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/18/10		JL	E160.3
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	1.2	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	25	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: TRIP BLANK

Phoenix I.D.: AZ66076

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	25	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	100	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	3.8	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	3.0	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	30	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	10	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Tetrachloroethene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	10	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	10	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	5.0	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	110		%	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E

Phoenix I.D.: AZ66076

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	99		%	10/17/10		R/L	SW8260
% Toluene-d8	93		%	10/17/10		R/L	SW8260

Comments:

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller

Phyllis Shiller, Laboratory Director

October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	0:00
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66077

Project ID: BRANFORD SLE 09-188-7E

Client ID: DUPLICATE

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	10/16/10		EK	6010/200.7
Arsenic	1.8	0.8	mg/Kg	10/16/10		EK	6010/200.7
Barium	28.9	0.42	mg/Kg	10/16/10		EK	6010/200.7
Cadmium	< 0.42	0.42	mg/Kg	10/16/10		EK	6010/200.7
Chromium	16.0	0.42	mg/Kg	10/16/10		EK	6010/200.7
Mercury	< 0.11	0.11	mg/Kg	10/18/10		RS	SW-7471
Lead	15.5	0.42	mg/Kg	10/16/10		EK	6010/200.7
Selenium	< 1.7	1.7	mg/Kg	10/16/10		EK	6010/200.7
Percent Solid	74		%	10/15/10		JL	E160.3
Soil Extraction for PCB	Completed			10/15/10		FB/F	SW3545
Soil Extraction for SVOA	Completed			10/15/10		FS/F	SW3545
Extraction of CT ETPH	Completed			10/15/10		FS/D	3545
Mercury Digestion	Completed			10/18/10		X	SW7471
Total Metals Digest	Completed			10/15/10		F/AG	SW846 - 3050
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	1.2	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: DUPLICATE

Phoenix I.D.: AZ66077

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dibromo-3-chloropropane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	44	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
4-Methyl-2-pentanone	ND	44	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	170	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	3.8	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	5.2	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	7	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	52	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	17	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	500	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Tetrachloroethene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: DUPLICATE

Phoenix I.D.: AZ66077

Parameter	Result	RL	Units	Date	Time	By	Reference
Tetrahydrofuran (THF)	ND	17	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	17	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	8.7	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	106		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	103		%	10/17/10		R/L	SW8260
% Dibromofluoromethane	96		%	10/17/10		R/L	SW8260
% Toluene-d8	93		%	10/17/10		R/L	SW8260
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
1,2,4-Trichlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
1,2-Dichlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
1,3-Dichlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
1,4-Dichlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,4,5-Trichlorophenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,4,6-Trichlorophenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,4-Dichlorophenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,4-Dimethylphenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrophenol	ND	1400	ug/Kg	10/16/10		HM	SW 8270
2,4-Dinitrotoluene	ND	630	ug/Kg	10/16/10		HM	SW 8270
2,6-Dinitrotoluene	ND	630	ug/Kg	10/16/10		HM	SW 8270
2-Chloronaphthalene	ND	630	ug/Kg	10/16/10		HM	SW 8270
2-Chlorophenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
2-Methylnaphthalene	ND	630	ug/Kg	10/16/10		HM	SW 8270
2-Methylphenol (o-cresol)	ND	630	ug/Kg	10/16/10		HM	SW 8270
2-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
2-Nitrophenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	900	ug/Kg	10/16/10		HM	SW 8270
3,3'-Dichlorobenzidine	ND	1100	ug/Kg	10/16/10		HM	SW 8270
3-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
4,6-Dinitro-2-methylphenol	ND	2600	ug/Kg	10/16/10		HM	SW 8270
4-Bromophenyl phenyl ether	ND	900	ug/Kg	10/16/10		HM	SW 8270
4-Chloro-3-methylphenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
4-Chloroaniline	ND	630	ug/Kg	10/16/10		HM	SW 8270
4-Chlorophenyl phenyl ether	ND	630	ug/Kg	10/16/10		HM	SW 8270
4-Nitroaniline	ND	1400	ug/Kg	10/16/10		HM	SW 8270
4-Nitrophenol	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Acenaphthene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Acenaphthylene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Acetophenone	ND	630	ug/Kg	10/16/10		HM	SW 8270
Aniline	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Anthracene	ND	630	ug/Kg	10/16/10		HM	SW 8270

Project ID: BRANFORD SLE 09-188-7E
Client ID: DUPLICATE

Phoenix I.D.: AZ66077

Parameter	Result	RL	Units	Date	Time	By	Reference
Azobenzene	ND	900	ug/Kg	10/16/10		HM	SW 8270
Benz(a)anthracene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Benzidine	ND	1100	ug/Kg	10/16/10		HM	SW 8270
Benzo(a)pyrene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Benzo(b)fluoranthene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Benzo(ghi)perylene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Benzo(k)fluoranthene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Benzoic acid	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Benzyl butyl phthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethoxy)methane	ND	630	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroethyl)ether	ND	900	ug/Kg	10/16/10		HM	SW 8270
Bis(2-chloroisopropyl)ether	ND	630	ug/Kg	10/16/10		HM	SW 8270
Bis(2-ethylhexyl)phthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Carbazole	ND	2600	ug/Kg	10/16/10		HM	SW 8270
Chrysene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Dibenz(a,h)anthracene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Dibenzofuran	ND	630	ug/Kg	10/16/10		HM	SW 8270
Diethyl phthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Dimethylphthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Di-n-butylphthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Di-n-octylphthalate	ND	630	ug/Kg	10/16/10		HM	SW 8270
Fluoranthene	980	630	ug/Kg	10/16/10		HM	SW 8270
Fluorene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Hexachlorobutadiene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Hexachlorocyclopentadiene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Hexachloroethane	ND	630	ug/Kg	10/16/10		HM	SW 8270
Indeno(1,2,3-cd)pyrene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Isophorone	ND	630	ug/Kg	10/16/10		HM	SW 8270
Naphthalene	ND	630	ug/Kg	10/16/10		HM	SW 8270
Nitrobenzene	ND	630	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodimethylamine	ND	900	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodi-n-propylamine	ND	630	ug/Kg	10/16/10		HM	SW 8270
N-Nitrosodiphenylamine	ND	900	ug/Kg	10/16/10		HM	SW 8270
Pentachloronitrobenzene	ND	900	ug/Kg	10/16/10		HM	SW 8270
Pentachlorophenol	ND	900	ug/Kg	10/16/10		HM	SW 8270
Phenanthrene	710	630	ug/Kg	10/16/10		HM	SW 8270
Phenol	ND	630	ug/Kg	10/16/10		HM	SW 8270
Pyrene	730	630	ug/Kg	10/16/10		HM	SW 8270
Pyridine	ND	900	ug/Kg	10/16/10		HM	SW 8270
QA/QC Surrogates							
% 2,4,6-Tribromophenol	83		%	10/16/10		HM	SW 8270
% 2-Fluorobiphenyl	46		%	10/16/10		HM	SW 8270
% 2-Fluorophenol	60		%	10/16/10		HM	SW 8270
% Nitrobenzene-d5	58		%	10/16/10		HM	SW 8270
% Phenol-d5	59		%	10/16/10		HM	SW 8270
% Terphenyl-d14	52		%	10/16/10		HM	SW 8270
TPH by GC (Extractable Products)							
Ext. Petroleum HC	32	13	mg/Kg	10/18/10		JRB	CT ETPH/8015

Project ID: BRANFORD SLE 09-188-7E
Client ID: DUPLICATE

Phoenix I.D.: AZ66077

Parameter	Result	RL	Units	Date	Time	By	Reference
Identification	**		mg/Kg	10/18/10		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	95		%	10/18/10		JRB	CT ETPH/8015
Polychlorinated Biphenyls							
PCB-1016	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1221	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1232	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1242	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1248	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1254	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1260	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1262	ND	440	ug/Kg	10/18/10		MH	SW 8082
PCB-1268	ND	440	ug/Kg	10/18/10		MH	SW 8082
QA/QC Surrogates							
% DCBP	121		%	10/18/10		MH	SW 8082
% TCMX	76		%	10/18/10		MH	SW 8082

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C14 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 20, 2010

FOR: Attn: Ms. Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	SOIL	Collected by:		10/14/10	0:00
Location Code:	DTECHDAS	Received by:	LB	10/15/10	14:52
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	0000077455				

Laboratory Data

SDG ID: GAZ66072
Phoenix ID: AZ66078

Project ID: BRANFORD SLE 09-188-7E

Client ID: TB-HIGH

Parameter	Result	RL	Units	Date	Time	By	Reference
Percent Solid	100	1	%	10/18/10		JL	E160.3
Field Extraction	Completed			10/14/10		JOY	SW5035
Volatiles							
1,1,1,2-Tetrachloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1,1-Trichloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1,2,2-Tetrachloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1,2-Trichloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloroethene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,1-Dichloropropene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2,3-Trichloropropane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trichlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2,4-Trimethylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2-Dibromo-3-chloropropane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,2-Dichloropropane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,3,5-Trimethylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,3-Dichloropropane	ND	250	ug/Kg	10/17/10		R/L	SW8260
1,4-Dichlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
2,2-Dichloropropane	ND	250	ug/Kg	10/17/10		R/L	SW8260
2-Chlorotoluene	ND	250	ug/Kg	10/17/10		R/L	SW8260
2-Hexanone	ND	1300	ug/Kg	10/17/10		R/L	SW8260
2-Isopropyltoluene	ND	250	ug/Kg	10/17/10		R/L	SW8260
4-Chlorotoluene	ND	250	ug/Kg	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E
Client ID: TB-HIGH

Phoenix I.D.: AZ66078

Parameter	Result	RL	Units	Date	Time	By	Reference
4-Methyl-2-pentanone	ND	1300	ug/Kg	10/17/10		R/L	SW8260
Acetone	ND	5000	ug/Kg	10/17/10		R/L	SW8260
Acrylonitrile	ND	500	ug/Kg	10/17/10		R/L	SW8260
Benzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Bromobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Bromochloromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Bromodichloromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Bromoform	ND	250	ug/Kg	10/17/10		R/L	SW8260
Bromomethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Carbon Disulfide	ND	250	ug/Kg	10/17/10		R/L	SW8260
Carbon tetrachloride	ND	250	ug/Kg	10/17/10		R/L	SW8260
Chlorobenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Chloroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Chloroform	ND	250	ug/Kg	10/17/10		R/L	SW8260
Chloromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
cis-1,2-Dichloroethene	ND	250	ug/Kg	10/17/10		R/L	SW8260
cis-1,3-Dichloropropene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Dibromochloromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Dibromoethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Dibromomethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Dichlorodifluoromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Ethylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Hexachlorobutadiene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Isopropylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
m&p-Xylene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Methyl Ethyl Ketone	ND	3000	ug/Kg	10/17/10		R/L	SW8260
Methyl t-butyl ether (MTBE)	ND	250	ug/Kg	10/17/10		R/L	SW8260
Methylene chloride	ND	500	ug/Kg	10/17/10		R/L	SW8260
Naphthalene	ND	250	ug/Kg	10/17/10		R/L	SW8260
n-Butylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
n-Propylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
o-Xylene	ND	250	ug/Kg	10/17/10		R/L	SW8260
p-Isopropyltoluene	ND	250	ug/Kg	10/17/10		R/L	SW8260
sec-Butylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Styrene	ND	250	ug/Kg	10/17/10		R/L	SW8260
tert-Butylbenzene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Tetrachloroethene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Tetrahydrofuran (THF)	ND	500	ug/Kg	10/17/10		R/L	SW8260
Toluene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Total Xylenes	ND	250	ug/Kg	10/17/10		R/L	SW8260
trans-1,2-Dichloroethene	ND	250	ug/Kg	10/17/10		R/L	SW8260
trans-1,3-Dichloropropene	ND	250	ug/Kg	10/17/10		R/L	SW8260
trans-1,4-dichloro-2-butene	ND	500	ug/Kg	10/17/10		R/L	SW8260
Trichloroethene	ND	250	ug/Kg	10/17/10		R/L	SW8260
Trichlorofluoromethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Trichlorotrifluoroethane	ND	250	ug/Kg	10/17/10		R/L	SW8260
Vinyl chloride	ND	250	ug/Kg	10/17/10		R/L	SW8260
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/17/10		R/L	SW8260
% Bromofluorobenzene	112		%	10/17/10		R/L	SW8260

Project ID: BRANFORD SLE 09-188-7E

Client ID: TB-HIGH

Phoenix I.D.: AZ66078

Parameter	Result	RL	Units	Date	Time	By	Reference
% Dibromofluoromethane	107		%	10/17/10		R/L	SW8260
% Toluene-d8	98		%	10/17/10		R/L	SW8260

Comments:

TRIP BLANK INCLUDED

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller

Phyllis Shiller, Laboratory Director

October 22, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

October 22, 2010

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163530, QC Sample No: AZ66156 (AZ66072, AZ66073, AZ66075, AZ66077)								
Mercury	BDL	NC	102	95.3	6.8	100	102	2.0
QA/QC Batch 163479, QC Sample No: AZ66159 (AZ66072, AZ66073, AZ66075, AZ66077)								
ICP Metals - Soil								
Arsenic	BDL	NC	103	102	1.0	94.7	97.3	2.7
Barium	BDL	17.2	102	99.8	2.2	104	108	3.8
Cadmium	BDL	NC	102	101	1.0	96.4	98.2	1.8
Chromium	BDL	13.6	102	102	0.0	100	102	2.0
Lead	BDL	16.7	105	102	2.9	96.2	98.0	1.9
Selenium	BDL	NC	98.3	95.1	3.3	89.1	90.6	1.7
Silver	BDL	NC	105	104	1.0	99.0	100	1.0

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QA/QC Report

October 22, 2010

QA/QC Data

SDG I.D.: GAZ66072

QA/QC Batch 163935, QC Sample No: AZ65010 (AZ66072, AZ66073, AZ66075, AZ66077)

Volatiles

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,1,1,2-Tetrachloroethane	ND	114	120	5.1	122	119	2.5
1,1,1-Trichloroethane	ND	123	113	8.5	127	112	12.6
1,1,2,2-Tetrachloroethane	ND	91	81	11.6	68	71	4.3
1,1,2-Trichloroethane	ND	96	92	4.3	91	89	2.2
1,1-Dichloroethane	ND	96	87	9.8	98	86	13.0
1,1-Dichloroethene	ND	105	96	9.0	112	92	19.6
1,1-Dichloropropene	ND	93	84	10.2	91	95	4.3
1,2,3-Trichlorobenzene	ND	92	107	15.1	86	111	25.4
1,2,3-Trichloropropane	ND	74	73	1.4	67	67	0.0
1,2,4-Trichlorobenzene	ND	89	98	9.6	90	102	12.5
1,2,4-Trimethylbenzene	ND	>150	99	NC	92	93	1.1
1,2-Dibromo-3-chloropropane	ND	111	104	6.5	106	121	13.2
1,2-Dichlorobenzene	ND	95	94	1.1	93	94	1.1
1,2-Dichloroethane	ND	138	126	9.1	128	124	3.2
1,2-Dichloropropane	ND	88	83	5.8	85	80	6.1
1,3,5-Trimethylbenzene	ND	118	98	18.5	95	93	2.1
1,3-Dichlorobenzene	ND	93	91	2.2	91	92	1.1
1,3-Dichloropropane	ND	108	102	5.7	105	106	0.9
1,4-Dichlorobenzene	ND	94	91	3.2	90	91	1.1
2,2-Dichloropropane	ND	114	103	10.1	115	98	16.0
2-Chlorotoluene	ND	89	86	3.4	86	86	0.0
2-Hexanone	ND	91	83	9.2	69	59	15.6
2-Isopropyltoluene	ND	97	94	3.1	93	93	0.0
4-Chlorotoluene	ND	86	82	4.8	85	85	0.0
4-Methyl-2-pentanone	ND	96	87	9.8	83	79	4.9
Acetone	ND	110	110	0.0	76	71	6.8
Acrylonitrile	ND	80	83	3.7	83	80	3.7
Benzene	ND	92	85	7.9	90	86	4.5
Bromobenzene	ND	98	97	1.0	95	97	2.1
Bromochloromethane	ND	87	82	5.9	92	80	14.0
Bromodichloromethane	ND	117	105	10.8	111	110	0.9
Bromoform	ND	115	112	2.6	125	122	2.4
Bromomethane	ND	108	105	2.8	111	103	7.5
Carbon Disulfide	ND	94	86	8.9	96	78	20.7
Carbon tetrachloride	ND	119	113	5.2	132	123	7.1
Chlorobenzene	ND	107	103	3.8	107	105	1.9
Chloroethane	ND	103	97	6.0	106	83	24.3
Chloroform	ND	109	100	8.6	109	100	8.6
Chloromethane	ND	64	70	9.0	75	69	8.3
cis-1,2-Dichloroethene	ND	90	80	11.8	90	81	10.5
cis-1,3-Dichloropropene	ND	101	91	10.4	95	90	5.4

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Dibromochloromethane	ND	111	108	2.7	117	115	1.7
Dibromoethane	ND	100	92	8.3	92	92	0.0
Dibromomethane	ND	108	95	12.8	95	98	3.1
Dichlorodifluoromethane	ND	82	92	11.5	102	88	14.7
Ethylbenzene	ND	109	108	0.9	110	107	2.8
Hexachlorobutadiene	ND	100	117	15.7	99	126	24.0
Isopropylbenzene	ND	86	85	1.2	92	93	1.1
m&p-Xylene	ND	100	101	1.0	102	101	1.0
Methyl ethyl ketone	ND	81	<40	NC	68	70	2.9
Methyl t-butyl ether (MTBE)	ND	132	117	12.0	116	107	8.1
Methylene chloride	ND	94	84	11.2	91	77	16.7
Naphthalene	ND	138	105	27.2	83	98	16.6
n-Butylbenzene	ND	101	92	9.3	89	88	1.1
n-Propylbenzene	ND	92	87	5.6	86	83	3.6
o-Xylene	ND	102	103	1.0	102	99	3.0
p-Isopropyltoluene	ND	114	98	15.1	92	91	1.1
sec-Butylbenzene	ND	90	91	1.1	88	88	0.0
Styrene	ND	99	97	2.0	100	93	7.3
tert-Butylbenzene	ND	99	99	0.0	96	97	1.0
Tetrachloroethene	ND	114	110	3.6	117	116	0.9
Tetrahydrofuran (THF)	ND	81	78	3.8	80	72	10.5
Toluene	ND	93	87	6.7	92	87	5.6
trans-1,2-Dichloroethene	ND	99	83	17.6	99	76	26.3
trans-1,3-Dichloropropene	ND	113	103	9.3	105	100	4.9
trans-1,4-dichloro-2-butene	ND	74	73	1.4	67	67	0.0
Trichloroethene	ND	97	93	4.2	104	102	1.9
Trichlorofluoromethane	ND	131	117	11.3	136	105	25.7
Trichlorotrifluoroethane	ND	102	91	11.4	113	93	19.4
Vinyl chloride	ND	83	88	5.8	88	81	8.3
% 1,2-dichlorobenzene-d4	97	97	101	4.0	99	102	3.0
% Bromofluorobenzene	112	115	112	2.6	117	112	4.4
% Dibromofluoromethane	103	113	99	13.2	113	100	12.2
% Toluene-d8	101	100	95	5.1	97	98	1.0

QA/QC Batch 163934, QC Sample No: AZ65611 (AZ66076, AZ66078)

Volatiles

1,1,1,2-Tetrachloroethane	ND	124	130	4.7	114	117	2.6
1,1,1-Trichloroethane	ND	134	127	5.4	123	116	5.9
1,1,2,2-Tetrachloroethane	ND	88	86	2.3	82	92	11.5
1,1,2-Trichloroethane	ND	89	92	3.3	96	103	7.0
1,1-Dichloroethane	ND	94	89	5.5	98	98	0.0
1,1-Dichloroethene	ND	93	83	11.4	113	108	4.5
1,1-Dichloropropene	ND	87	84	3.5	101	106	4.8
1,2,3-Trichlorobenzene	ND	91	128	33.8	97	122	22.8
1,2,3-Trichloropropane	ND	79	80	1.3	69	70	1.4
1,2,4-Trichlorobenzene	ND	102	120	16.2	110	125	12.8
1,2,4-Trimethylbenzene	ND	99	102	3.0	102	108	5.7
1,2-Dibromo-3-chloropropane	ND	120	138	14.0	98	116	16.8
1,2-Dichlorobenzene	ND	97	100	3.0	102	106	3.8
1,2-Dichloroethane	ND	138	142	2.9	128	136	6.1
1,2-Dichloropropane	ND	85	83	2.4	90	91	1.1
1,3,5-Trimethylbenzene	ND	97	102	5.0	101	109	7.6
1,3-Dichlorobenzene	ND	96	99	3.1	105	107	1.9

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
1,3-Dichloropropane	ND	107	102	4.8	103	109	5.7
1,4-Dichlorobenzene	ND	97	100	3.0	103	107	3.8
2,2-Dichloropropane	ND	123	117	5.0	121	114	6.0
2-Chlorotoluene	ND	91	92	1.1	94	100	6.2
2-Hexanone	ND	86	85	1.2	88	100	12.8
2-Isopropyltoluene	ND	91	97	6.4	98	106	7.8
4-Chlorotoluene	ND	91	90	1.1	95	96	1.0
4-Methyl-2-pentanone	ND	81	84	3.6	86	108	22.7
Acetone	ND	93	95	2.1	87	92	5.6
Acrylonitrile	ND	68	80	16.2	76	103	30.2
Benzene	ND	88	87	1.1	92	99	7.3
Bromobenzene	ND	100	101	1.0	103	104	1.0
Bromochloromethane	ND	81	86	6.0	90	87	3.4
Bromodichloromethane	ND	124	121	2.4	109	112	2.7
Bromoform	ND	143	141	1.4	107	113	5.5
Bromomethane	ND	88	97	9.7	123	130	5.5
Carbon Disulfide	ND	85	77	9.9	103	101	2.0
Carbon tetrachloride	ND	133	129	3.1	121	121	0.0
Chlorobenzene	ND	109	105	3.7	112	117	4.4
Chloroethane	ND	88	84	4.7	103	111	7.5
Chloroform	ND	113	108	4.5	109	105	3.7
Chloromethane	ND	65	72	10.2	80	102	24.2
cis-1,2-Dichloroethene	ND	86	86	0.0	91	88	3.4
cis-1,3-Dichloropropene	ND	96	99	3.1	102	102	0.0
Dibromochloromethane	ND	132	125	5.4	109	104	4.7
Dibromoethane	ND	90	98	8.5	98	108	9.7
Dibromomethane	ND	102	98	4.0	102	104	1.9
Dichlorodifluoromethane	ND	84	106	23.2	102	136	28.6
Ethylbenzene	ND	110	109	0.9	114	121	6.0
Hexachlorobutadiene	ND	100	136	30.5	119	145	19.7
Isopropylbenzene	ND	84	87	3.5	94	102	8.2
m&p-Xylene	ND	103	108	4.7	108	114	5.4
Methyl ethyl ketone	ND	64	86	29.3	81	<40	NC
Methyl t-butyl ether (MTBE)	ND	115	98	16.0	121	121	0.0
Methylene chloride	ND	83	73	12.8	101	92	9.3
Naphthalene	ND	81	102	23.0	83	109	27.1
n-Butylbenzene	ND	100	108	7.7	103	112	8.4
n-Propylbenzene	ND	93	95	2.1	96	103	7.0
o-Xylene	ND	102	108	5.7	103	116	11.9
p-Isopropyltoluene	ND	98	104	5.9	103	110	6.6
sec-Butylbenzene	ND	89	92	3.3	93	103	10.2
Styrene	ND	101	103	2.0	103	110	6.6
tert-Butylbenzene	ND	94	100	6.2	99	110	10.5
Tetrachloroethene	ND	113	111	1.8	126	125	0.8
Tetrahydrofuran (THF)	ND	68	82	18.7	82	96	15.7
Toluene	ND	88	88	0.0	97	101	4.0
trans-1,2-Dichloroethene	ND	95	75	23.5	102	92	10.3
trans-1,3-Dichloropropene	ND	111	113	1.8	114	111	2.7
trans-1,4-dichloro-2-butene	ND	79	80	1.3	69	70	1.4
Trichloroethene	ND	86	84	2.4	99	103	4.0
Trichlorofluoromethane	ND	130	125	3.9	104	94	10.1
Trichlorotrifluoroethane	ND	94	86	8.9	111	105	5.6
Vinyl chloride	ND	77	83	7.5	92	121	27.2

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
% 1,2-dichlorobenzene-d4	102	99	103	4.0	97	103	6.0
% Bromofluorobenzene	113	116	117	0.9	114	120	5.1
% Dibromofluoromethane	107	102	98	4.0	100	96	4.1
% Toluene-d8	93	96	94	2.1	103	99	4.0
QA/QC Batch 163389, QC Sample No: AZ65615 (AZ66072)							
Polychlorinated Biphenyls							
PCB-1016	ND	110	110	0.0	99	105	5.9
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	108	114	5.4	100	107	6.8
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	121	111	109	1.8	109	121	10.4
% TCMX (Surrogate Rec)	86	76	75	1.3	70	72	2.8
QA/QC Batch 163473, QC Sample No: AZ66156 (AZ66072)							
Pesticides							
4,4' -DDD	ND	112	107	4.6	117	119	1.7
4,4' -DDE	ND	107	101	5.8	101	101	0.0
4,4' -DDT	ND	96	88	8.7	126	129	2.4
a-BHC	ND	99	93	6.3	93	94	1.1
a-Chlordane	ND	98	92	6.3	98	97	1.0
Alachlor	ND	N/A	N/A	NC	N/A	N/A	NC
Aldrin	ND	100	95	5.1	113	112	0.9
b-BHC	ND	100	94	6.2	91	94	3.2
Chlordane	ND	N/A	N/A	NC	N/A	N/A	NC
d-BHC	ND	104	99	4.9	100	100	0.0
Dieldrin	ND	98	92	6.3	126	125	0.8
Endosulfan I	ND	94	88	6.6	84	84	0.0
Endosulfan II	ND	92	86	6.7	96	94	2.1
Endosulfan sulfate	ND	96	90	6.5	101	103	2.0
Endrin	ND	82	76	7.6	110	112	1.8
Endrin aldehyde	ND	115	108	6.3	122	120	1.7
Endrin ketone	ND	103	98	5.0	96	96	0.0
g-BHC	ND	98	92	6.3	94	95	1.1
g-Chlordane	ND	98	91	7.4	110	109	0.9
Heptachlor	ND	97	91	6.4	102	103	1.0
Heptachlor epoxide	ND	98	93	5.2	94	94	0.0
Methoxychlor	ND	94	89	5.5	101	105	3.9
Toxaphene	ND	N/A	N/A	NC	N/A	N/A	NC
% DCBP	81	87	83	4.7	101	99	2.0
% TCMX	77	83	78	6.2	84	85	1.2
QA/QC Batch 163472, QC Sample No: AZ66156 (AZ66073, AZ66075, AZ66077)							
Polychlorinated Biphenyls							
PCB-1016	ND	130	104	22.2	*	*	NC
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
PCB-1254	ND						
PCB-1260	ND	134	117	13.5	*	*	NC
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	110	132	109	19.1	NR	NR	NC
% TCMX (Surrogate Rec)	77	88	71	21.4	NR	NR	NC

Comment:

* The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QA/QC Batch 163468, QC Sample No: AZ66156 (AZ66072, AZ66073, AZ66075, AZ66077)

TPH by GC (Extractable Products)

Ext. Petroleum HC	ND	77	90	15.6	87	90	3.4
% n-Pentacosane	81	68	77	12.4	84	90	6.9

QA/QC Batch 163467, QC Sample No: AZ66156 (AZ66072, AZ66073, AZ66075, AZ66077)

Semivolatiles

1,2,4,5-Tetrachlorobenzene	ND	77	85	9.9	68	82	18.7
1,2,4-Trichlorobenzene	ND	69	77	11.0	64	77	18.4
1,2-Dichlorobenzene	ND	67	75	11.3	65	76	15.6
1,3-Dichlorobenzene	ND	65	72	10.2	63	73	14.7
1,4-Dichlorobenzene	ND	66	73	10.1	64	74	14.5
2,4,5-Trichlorophenol	ND	80	91	12.9	75	90	18.2
2,4,6-Trichlorophenol	ND	81	90	10.5	73	87	17.5
2,4-Dichlorophenol	ND	76	85	11.2	68	83	19.9
2,4-Dimethylphenol	ND	45	50	10.5	50	58	14.8
2,4-Dinitrophenol	ND	57	33	53.3	NC	NC	NC
2,4-Dinitrotoluene	ND	80	90	11.8	67	81	18.9
2,6-Dinitrotoluene	ND	76	85	11.2	66	79	17.9
2-Chloronaphthalene	ND	72	81	11.8	69	83	18.4
2-Chlorophenol	ND	64	72	11.8	62	75	19.0
2-Methylnaphthalene	ND	70	78	10.8	67	81	18.9
2-Methylphenol (o-cresol)	ND	62	70	12.1	62	75	19.0
2-Nitroaniline	ND	>130	>130	NC	NC	NC	NC
2-Nitrophenol	ND	80	87	8.4	67	81	18.9
3&4-Methylphenol (m&p-cresol)	ND	69	77	11.0	69	83	18.4
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC	N/A	N/A	NC
3-Nitroaniline	ND	91	103	12.4	78	92	16.5
4,6-Dinitro-2-methylphenol	ND	107	103	3.8	7.1	8.9	22.5
4-Bromophenyl phenyl ether	ND	79	90	13.0	70	84	18.2
4-Chloro-3-methylphenol	ND	75	83	10.1	71	85	17.9
4-Chloroaniline	ND	62	70	12.1	62	76	20.3
4-Chlorophenyl phenyl ether	ND	76	85	11.2	70	83	17.0
4-Nitroaniline	ND	74	83	11.5	69	81	16.0
4-Nitrophenol	ND	124	>130	NC	113	NC	NC
Acenaphthene	ND	76	83	8.8	74	87	16.1
Acenaphthylene	ND	70	78	10.8	70	83	17.0
Acetophenone	ND	70	77	9.5	69	81	16.0
Aniline	ND	N/A	N/A	NC	N/A	N/A	NC
Anthracene	ND	79	89	11.9	79	93	16.3
Azobenzene	ND	69	77	11.0	70	82	15.8
Benz(a)anthracene	ND	77	88	13.3	85	97	13.2
Benzidine	ND	N/A	N/A	NC	N/A	N/A	NC

QA/QC Data

SDG I.D.: GAZ66072

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Benzo(a)pyrene	ND	79	91	14.1	83	96	14.5
Benzo(b)fluoranthene	ND	77	89	14.5	84	98	15.4
Benzo(ghi)perylene	ND	84	95	12.3	58	60	3.4
Benzo(k)fluoranthene	ND	76	89	15.8	82	97	16.8
Benzoic acid	ND	N/A	N/A	NC	N/A	N/A	NC
Benzyl butyl phthalate	ND	66	76	14.1	70	83	17.0
Bis(2-chloroethoxy)methane	ND	66	73	10.1	65	78	18.2
Bis(2-chloroethyl)ether	ND	62	69	10.7	64	75	15.8
Bis(2-chloroisopropyl)ether	ND	62	68	9.2	65	78	18.2
Bis(2-ethylhexyl)phthalate	ND	69	80	14.8	72	86	17.7
Carbazole	ND	98	110	11.5	96	114	17.1
Chrysene	ND	78	90	14.3	84	96	13.3
Dibenz(a,h)anthracene	ND	88	100	12.8	64	71	10.4
Dibenzofuran	ND	71	79	10.7	68	80	16.2
Diethyl phthalate	ND	73	82	11.6	71	84	16.8
Dimethylphthalate	ND	74	83	11.5	71	84	16.8
Di-n-butylphthalate	ND	70	79	12.1	71	84	16.8
Di-n-octylphthalate	ND	65	76	15.6	68	82	18.7
Fluoranthene	ND	77	87	12.2	91	99	8.4
Fluorene	ND	79	89	11.9	79	93	16.3
Hexachlorobenzene	ND	75	86	13.7	74	88	17.3
Hexachlorobutadiene	ND	74	83	11.5	67	80	17.7
Hexachlorocyclopentadiene	ND	57	60	5.1	NC	NC	NC
Hexachloroethane	ND	67	74	9.9	41	48	15.7
Indeno(1,2,3-cd)pyrene	ND	87	98	11.9	65	70	7.4
Isophorone	ND	64	70	9.0	64	75	15.8
Naphthalene	ND	67	75	11.3	66	79	17.9
Nitrobenzene	ND	68	75	9.8	69	81	16.0
N-Nitrosodimethylamine	ND	53	59	10.7	55	63	13.6
N-Nitrosodi-n-propylamine	ND	68	75	9.8	67	79	16.4
N-Nitrosodiphenylamine	ND	79	88	10.8	75	88	16.0
Pentachloronitrobenzene	ND	86	98	13.0	70	86	20.5
Pentachlorophenol	ND	82	93	12.6	65	79	19.4
Phenanthrene	ND	76	85	11.2	84	91	8.0
Phenol	ND	67	74	9.9	67	81	18.9
Pyrene	ND	80	90	11.8	93	101	8.2
Pyridine	ND	8.8	9.9	11.8	9.0	9.4	4.3
% 2,4,6-Tribromophenol	94	89	96	7.6	93	111	17.6
% 2-Fluorobiphenyl	73	67	73	8.6	64	77	18.4
% 2-Fluorophenol	71	63	68	7.6	64	76	17.1
% Nitrobenzene-d5	69	61	66	7.9	61	73	17.9
% Phenol-d5	72	63	68	7.6	64	78	19.7
% Terphenyl-d14	73	67	72	7.2	61	74	19.3

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller, Laboratory Director
October 22, 2010

Friday, October 22, 2010

Sample Criteria Exceedences Report

Requested Criteria: GAM, RC, RV

GAZ66072

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ66072	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.0	0.5	0.5	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	6800	490	5600	5600	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	6000	490	4000	4000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	3200	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	3200	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	4000	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	4000	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benzo(k)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1400	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2900	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	2900	490	1000	1000	ug/Kg
AZ66072	DTECHDAS	$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	GA/GAA PMC (mg/kg)	530	11	500	500	mg/Kg
AZ66072	DTECHDAS	$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	530	11	500	500	mg/Kg
AZ66072	DTECHDAS	$ETPH_SMR	Ext. Petroleum HC	mg/kg	CT	Pesticides, Pcb's, Tph, A	RES DEC (mg/kg)	530	11	500	500	mg/Kg
AZ66073	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	6.9	0.5	0.5	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Phenanthrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	6300	550	4000	4000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	6500	550	5600	5600	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	4900	550	4000	4000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2400	550	1000	1000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benz(a)anthracene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	2400	550	1000	1000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	2400	550	1000	1000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benzo(b)fluoranthene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	2400	550	1000	1000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	GA/GAA PMC (mg/kg)	1800	550	1000	1000	ug/Kg
AZ66073	DTECHDAS	$8270-SMR	Benzo(a)pyrene	mg/kg	CT	Semivolatile Organic Comp	RES DEC (mg/kg)	1800	550	1000	1000	ug/Kg
AZ66075	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	7	0.5	0.5	ug/Kg
AZ66077	DTECHDAS	$8260MAR	Dibromoethane	ppm	CT	Volatile Organic Compound	Proposed RES SVVC (	ND	7	0.5	0.5	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** DTECHDAS

Project Location: BRANFORD SLE 09-188-7E **Project Number:**

Laboratory Sample ID(s): AZ66072, AZ66073, AZ66074, AZ66075, AZ66076, AZ66077, AZ66078

Sampling Date(s): 10/14/2010

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☑ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☑ Yes ☐ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Friday, October 22, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

October 22, 2010

SDG I.D.: GAZ66072

AZ66077 - Client provided soil jar for volatile analysis. Phoenix prepared sample per method 5035.

Volatile 8260 analysis:
Dibromoethane doesn't meet the proposed RES SVV criteria, this compound must be analyzed by GC/ECD method 8011 to achieve this criteria.

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 10/19/10-2 (AZ66072)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 10/19/2010

Instrument: Au-xl1 10/18/10-1 (AZ66075, AZ66077)

Initial Calibration (FIDXL1 - AUG 2010/ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko
Position: Chemist
Date: 10/18/2010

Instrument: Au-xl1 10/19/10-2 (AZ66073)

Initial Calibration (FIDXL1 - AUG 2010/ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers:C36

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October 22, 2010

SDG I.D.: GAZ66072

Printed Name Jeff Bucko
Position: Chemist
Date: 10/19/2010

QC (Batch Specific)

All LCS recoveries were within 50 - 150 with the following exceptions: None.

All LCSD recoveries were within 50 - 150 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 10/18/10-1 (AZ66072, AZ66073, AZ66075, AZ66077)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 10/18/2010

QC (Batch Specific)

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp7 10/16/10-1 (AZ66072, AZ66073, AZ66075, AZ66077)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

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RCP Certification Report

October 22, 2010

SDG I.D.: GAZ66072

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/16/2010

QC Comments: QC Batch 63479 10/15/10 (AZ66072, AZ66073, AZ66075, AZ66077)

Some compounds had spike recoveries outside of 75-125%. A matrix bias is suspected because the LCS and LCSD were within control. No further action was required.

QC (Batch Specific)

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 10/17/10-1 (AZ66073, AZ66075, AZ66077)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/17/2010

Instrument: Au-ecd4 10/18/10-1 (AZ66073)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/18/2010

QC Comments: QC Batch 63472 10/15/10 (AZ66073, AZ66075, AZ66077)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: % DCBP (Surrogate Rec), PCB-1260

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: % TCMX (Surrogate Rec), PCB-1016

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd13 10/19/10-1 (AZ66072)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 15% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: None

Printed Name Keith Aloisa
Position: Chemist
Date: 10/19/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS/LCSD recovery for pyridine is below the lower range. A low bias for this compound is possible. The LCS and/or LCSD recovery for 2-Nitroaniline and 4-Nitrophenol are above the upper range. These compounds were not detected in the sample. No significant bias is suspected.

Instrument: Chem12 10/16/10-1 (AZ66072, AZ66073, AZ66075, AZ66077)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem12/SV_0929):

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RCP Certification Report

October 22, 2010

SDG I.D.: GAZ66072

Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient:2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, Pentachlorophenol, Carbazole

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, hexachlorobenzene

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference from the initial calibration: Pyridine, Benzoic Acid, Hexachlorocyclopentadiene, Atrazine, Pentachlorophenol, Di-n-octylphthalate

Printed Name Harry Mullin
Position: Chemist
Date: 10/16/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: 2-Nitroaniline, Pyridine

All LCSD recoveries were within 30 - 130 with the following exceptions: 2-Nitroaniline, 4-Nitrophenol, Pyridine

All LCS/LCSD RPDs were less than 20% with the following exceptions: 2,4-Dinitrophenol

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS and/or LCSD recovery for Chloromethane, MEK, Acrylonitrile, and THF are below the lower range. A low bias for these compounds is possible. There are several other compounds with LCS and/or LCSD recovery above the upper range. These compounds were not detected in the sample. No significant bias is suspected.

Instrument: Chem11 10/17/10-1 (AZ66072, AZ66073, AZ66075, AZ66076, AZ66077, AZ66078)

Initial Calibration Verification (CHEM11/RCPS_0929):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acetone; 1,2,3-trichlorobenzene

Continuing Calibration Verification:
>80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >30%: Trichlorofluoromethane, acrolein, 1,2-Dichloroethane, Bromoform

Printed Name Lynne Matteson
Position: Chemist
Date: 10/17/2010

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RCP Certification Report

October 22, 2010

SDG I.D.: GAZ66072

QC (Batch Specific)

All LCS recoveries were within 70 - 130 with the following exceptions: 1,1,1-Trichloroethane, 1,2,4-Trimethylbenzene, 1,2-Dichloroethane, Acrylonitrile, Bromoform, Carbon tetrachloride, Chloromethane, Dibromochloromethane, Methyl ethyl ketone, Methyl t-butyl ether (MTBE), Naphthalene, Tetrahydrofuran (THF), Trichlorofluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,2-Dibromo-3-chloropropane, 1,2-Dichloroethane, Bromoform, Hexachlorobutadiene, Methyl ethyl ketone

All LCS/LCSD RPDs were less than 30% with the following exceptions: 1,2,3-Trichlorobenzene, Naphthalene

PHOENIX *Environmental Laboratories, Inc.*

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6°C Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: joy.kloss@teamdtc.com

Customer: Diversified Technology Consultants
Address: 2321 Whitney Ave
Hamden, CT

Project: Bran ford SLE / 09-188-7E
Report to: Joy Kloss - DTC
Invoice to: DTC - DAS Contract / Isp Form

Project P.O: 0000077455
Phone #: 203-239-4200
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Joy P Kloss Date: 10-14-10

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

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs 8260	SVOC 8270	ETPH	Total RCRA Metals	PCBs 8082	Pesticides					Hold		Soil VOA [✓] Methanol [ ] S. Bisulfate [ ] H20	GL Soil container ( ) oz	GL Soil container (8) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [ ] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
66072	RR-13(0-2.7)	S	10-14-10	0850	X	X	X	X	X	X							3		1							
66073	RR-13(4-4.5)	↓	↓	0900	X	X	X	X	X								3		1							
66074	RR-13(6-6.66)	↓	↓	0905										X	X		3		1							
66075	RR-13(8-9)	↓	↓	0910	X	X	X	X	X								3		1							
66076	Trip Blank	—	↓	—	X												3									
66077	Duplicate	S	↓	—	X	X	X	X	X								3		1							
66078	TB-high																									

Relinquished by:	Accepted by:	Date:	Time:
Joy P Kloss	[illegible]	10/15/10	11:45
[illegible]	[illegible]	10/15/10	14:52

Comments, Special Requirements or Regulations:

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ Standard
☐ Other 5-DAY
* SURCHARGE APPLIES

CT/RI
☑ RCP Cert.
☐ GW Protect.
☑ GA Mobility
☐ GB Mobility
☐ SW Protect.
☑ Res. Vol.
☐ Ind. Vol.
☑ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT

PHOENIX
Environmental Laboratories, Inc.

Thursday, October 28, 2010

Attn: Ms Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Project ID: BRANFORD SLE 09-188-7E
Sample ID#s: AZ68316 - AZ68319

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

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ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 28, 2010

FOR: Attn: Ms Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/21/10	10:30
Location Code:	DTECHDAS	Received by:	SW	10/21/10	15:14
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	00000				

Laboratory Data

SDG ID: GAZ68316
Phoenix ID: AZ68316

Project ID: BRANFORD SLE 09-188-7E

Client ID: RR-13

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	10/22/10		EK	6010/200.7
Barium	0.242	0.002	mg/L	10/22/10		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Copper	0.002	0.001	mg/L	10/22/10		EK	6010/200.7
Silver (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Arsenic (Dissolved)	< 0.004	0.004	mg/L	10/27/10		EK	6010/200.7
Barium (Dissolved)	0.251	0.002	mg/L	10/24/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Chromium (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	10/22/10		RS	7470/E245.1
Lead (Dissolved)	0.003	0.002	mg/L	10/24/10		LK	6010/200.7
Selenium (Dissolved)	< 0.011	0.011	mg/L	10/24/10		LK	6010/200.7
Zinc (Dissolved)	0.047	0.002	mg/L	10/24/10		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	10/22/10		RS	7470/E245.1
Lead	0.006	0.002	mg/L	10/22/10		EK	6010/200.7
Selenium	< 0.010	0.010	mg/L	10/22/10		EK	6010/200.7
Zinc	0.047	0.002	mg/L	10/22/10		EK	6010/200.7
O&G, Non-polar Material	2.2	1.4	mg/L	10/23/10		VR	Mod. E1664A
Filtration	Completed			10/26/10		AG	0.45um Filter
Dissolved Mercury Digestion	Completed			10/22/10		X	SW7470
Mercury Digestion	Completed			10/22/10		X	7471/245.1
PCB Extraction	Completed			10/25/10		O/O	SW3500B/3510C
Extraction for Pest (2 Liter)	Completed			10/25/10		O/O	3520MOD
Semi-Volatile Extraction	Completed			10/22/10		O/L	SW3510/3520
Dissolved Metals Preparation	Completed			10/26/10		AG	SW846-3005

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13

Phoenix I.D.: AZ68316

Parameter	Result	RL	Units	Date	Time	By	Reference
Total Metals Digestion	Completed			10/21/10		AG	
Pesticides							
4,4' -DDD	ND	0.1	ug/L	10/27/10		MH	SW8081
4,4' -DDE	ND	0.1	ug/L	10/27/10		MH	SW8081
4,4' -DDT	ND	0.1	ug/L	10/27/10		MH	SW8081
a-BHC	ND	0.05	ug/L	10/27/10		MH	SW8081
Alachlor	ND	0.1	ug/L	10/27/10		MH	SW8081
Aldrin	ND	0.003	ug/L	10/27/10		MH	SW8081
b-BHC	ND	0.01	ug/L	10/27/10		MH	SW8081
Chlordane	ND	0.3	ug/L	10/27/10		MH	SW8081
d-BHC	ND	0.05	ug/L	10/27/10		MH	SW8081
Dieldrin	ND	0.002	ug/L	10/27/10		MH	SW8081
Endosulfan I	ND	0.05	ug/L	10/27/10		MH	SW8081
Endosulfan II	ND	0.1	ug/L	10/27/10		MH	SW8081
Endosulfan Sulfate	ND	0.1	ug/L	10/27/10		MH	SW8081
Endrin	ND	0.1	ug/L	10/27/10		MH	SW8081
Endrin Aldehyde	ND	0.1	ug/L	10/27/10		MH	SW8081
g-BHC (Lindane)	ND	0.05	ug/L	10/27/10		MH	SW8081
Heptachlor	ND	0.05	ug/L	10/27/10		MH	SW8081
Heptachlor epoxide	ND	0.05	ug/L	10/27/10		MH	SW8081
Methoxychlor	ND	0.2	ug/L	10/27/10		MH	SW8081
Toxaphene	ND	1.0	ug/L	10/27/10		MH	SW8081
QA/QC Surrogates							
%DCBP (Surrogate Rec)	97		%	10/27/10		MH	SW8081
%TCMX (Surrogate Rec)	60		%	10/27/10		MH	SW8081
Volatiles							
1,1,1-Trichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1,2,2-tetrachloroethane	ND	0.5	ug/L	10/22/10		H/P	E624
1,1,2-Trichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1-Dichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichloropropane	ND	1.0	ug/L	10/22/10		H/P	E624
1,3-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
1,4-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
2-Chloroethyl vinyl ether	ND	1.0	ug/L	10/22/10		H/P	E624
Acrolein	ND	5	ug/L	10/22/10		H/P	E624
Benzene	ND	1.0	ug/L	10/22/10		H/P	E624
Bromodichloromethane	ND	0.5	ug/L	10/22/10		H/P	E624
Bromoform	ND	1.0	ug/L	10/22/10		H/P	E624
Bromomethane	ND	1.0	ug/L	10/22/10		H/P	E624
Carbon tetrachloride	ND	1.0	ug/L	10/22/10		H/P	E624
Chlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
Chloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
Chloroform	ND	1.0	ug/L	10/22/10		H/P	E624
Chloromethane	ND	1.0	ug/L	10/22/10		H/P	E624
cis-1,2-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13

Phoenix I.D.: AZ68316

Parameter	Result	RL	Units	Date	Time	By	Reference
cis-1,3-Dichloropropene	ND	1.0	ug/L	10/22/10		H/P	E624
Dibromochloromethane	ND	0.5	ug/L	10/22/10		H/P	E624
Ethylbenzene	ND	1.0	ug/L	10/22/10		H/P	E624
m&p-Xylene	2.1	1.0	ug/L	10/22/10		H/P	E624
Methyl t-butyl ether (MTBE)	ND	2	ug/L	10/22/10		H/P	E624
Methylene chloride	ND	5	ug/L	10/22/10		H/P	E624
o-Xylene	1.2	1.0	ug/L	10/22/10		H/P	E624
Tetrachloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
Toluene	ND	1.0	ug/L	10/22/10		H/P	E624
trans-1,2-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
trans-1,3-Dichloropropene	ND	1.0	ug/L	10/22/10		H/P	E624
Trichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
Trichlorofluoromethane	ND	1.0	ug/L	10/22/10		H/P	E624
Vinyl chloride	ND	1.0	ug/L	10/22/10		H/P	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/22/10		H/P	E624
% Bromofluorobenzene	96		%	10/22/10		H/P	E624
% Dibromofluoromethane	100		%	10/22/10		H/P	E624
% Toluene-d8	99		%	10/22/10		H/P	E624
Base Neutrals & Acid Compounds							
1,2,4-Trichlorobenzene	ND	20	ug/L	10/25/10		KCA	E625
1,2-Dichlorobenzene	ND	20	ug/L	10/25/10		KCA	E625
1,2-Diphenylhydrazine	ND	20	ug/L	10/25/10		KCA	E625
1,3-Dichlorobenzene	ND	20	ug/L	10/25/10		KCA	E625
1,4-Dichlorobenzene	ND	20	ug/L	10/25/10		KCA	E625
2,4,6-Trichlorophenol	ND	20	ug/L	10/25/10		KCA	E625
2,4-Dichlorophenol	ND	20	ug/L	10/25/10		KCA	E625
2,4-Dimethylphenol	ND	20	ug/L	10/25/10		KCA	E625
2,4-Dinitrophenol	ND	100	ug/L	10/25/10		KCA	E625
2,4-Dinitrotoluene	ND	20	ug/L	10/25/10		KCA	E625
2,6-Dinitrotoluene	ND	20	ug/L	10/25/10		KCA	E625
2-Chloronaphthalene	ND	20	ug/L	10/25/10		KCA	E625
2-Chlorophenol	ND	20	ug/L	10/25/10		KCA	E625
2-Nitrophenol	ND	20	ug/L	10/25/10		KCA	E625
3,3-Dichlorobenzidine	ND	41	ug/L	10/25/10		KCA	E625
4,6-Dinitro-2-methylphenol	ND	100	ug/L	10/25/10		KCA	E625
4-Bromophenyl phenyl ether	ND	20	ug/L	10/25/10		KCA	E625
4-Chloro-3-methylphenol	ND	41	ug/L	10/25/10		KCA	E625
4-Chlorophenyl phenyl ether	ND	20	ug/L	10/25/10		KCA	E625
4-Nitrophenol	ND	100	ug/L	10/25/10		KCA	E625
Acenaphthene	27	20	ug/L	10/25/10		KCA	E625
Acenaphthylene	ND	20	ug/L	10/25/10		KCA	E625
Anthracene	ND	20	ug/L	10/25/10		KCA	E625
Benz(a)anthracene	ND	20	ug/L	10/25/10		KCA	E625
Benzidine	ND	20	ug/L	10/25/10		KCA	E625
Benzo(a)pyrene	ND	20	ug/L	10/25/10		KCA	E625
Benzo(b)fluoranthene	ND	20	ug/L	10/25/10		KCA	E625
Benzo(ghi)perylene	ND	20	ug/L	10/25/10		KCA	E625
Benzo(k)fluoranthene	ND	20	ug/L	10/25/10		KCA	E625

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13

Phoenix I.D.: AZ68316

Parameter	Result	RL	Units	Date	Time	By	Reference
Benzyl butyl phthalate	ND	20	ug/L	10/25/10		KCA	E625
Bis(2-chloroethoxy)methane	ND	20	ug/L	10/25/10		KCA	E625
Bis(2-chloroethyl)ether	ND	20	ug/L	10/25/10		KCA	E625
Bis(2-chloroisopropyl)ether	ND	20	ug/L	10/25/10		KCA	E625
Bis(2-ethylhexyl)phthalate	ND	20	ug/L	10/25/10		KCA	E625
Chrysene	ND	20	ug/L	10/25/10		KCA	E625
Dibenz(a,h)anthracene	ND	20	ug/L	10/25/10		KCA	E625
Diethyl phthalate	ND	20	ug/L	10/25/10		KCA	E625
Dimethylphthalate	ND	20	ug/L	10/25/10		KCA	E625
Di-n-butylphthalate	ND	20	ug/L	10/25/10		KCA	E625
Di-n-octylphthalate	ND	20	ug/L	10/25/10		KCA	E625
Fluoranthene	ND	20	ug/L	10/25/10		KCA	E625
Fluorene	30	20	ug/L	10/25/10		KCA	E625
Hexachlorobenzene	ND	20	ug/L	10/25/10		KCA	E625
Hexachlorobutadiene	ND	20	ug/L	10/25/10		KCA	E625
Hexachlorocyclopentadiene	ND	20	ug/L	10/25/10		KCA	E625
Hexachloroethane	ND	20	ug/L	10/25/10		KCA	E625
Indeno(1,2,3-cd)pyrene	ND	20	ug/L	10/25/10		KCA	E625
Isophorone	ND	20	ug/L	10/25/10		KCA	E625
Naphthalene	630	100	ug/L	10/25/10		KCA	E625
Nitrobenzene	ND	20	ug/L	10/25/10		KCA	E625
N-Nitrosodimethylamine	ND	20	ug/L	10/25/10		KCA	E625
N-Nitrosodi-n-propylamine	ND	20	ug/L	10/25/10		KCA	E625
N-Nitrosodiphenylamine	ND	20	ug/L	10/25/10		KCA	E625
Pentachlorophenol	ND	100	ug/L	10/25/10		KCA	E625
Phenanthrene	36	20	ug/L	10/25/10		KCA	E625
Phenol	ND	20	ug/L	10/25/10		KCA	E625
Pyrene	ND	20	ug/L	10/25/10		KCA	E625
QA/QC Surrogates							
% 2,4,6-Tribromophenol	51		%	10/25/10		KCA	E625
% 2-Fluorobiphenyl	55		%	10/25/10		KCA	E625
% 2-Fluorophenol	19		%	10/25/10		KCA	E625
% Nitrobenzene-d5	57		%	10/25/10		KCA	E625
% Phenol-d5	45		%	10/25/10		KCA	E625
% Terphenyl-d14	29		%	10/25/10		KCA	E625
Polychlorinated Biphenyls							
PCB-1016	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1221	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1232	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1242	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1248	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1254	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1260	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1262	ND	0.50	ug/L	10/26/10		MH	608/ 8082
PCB-1268	ND	0.50	ug/L	10/26/10		MH	608/ 8082
QA/QC Surrogates							
% DCBP	>130		%	10/26/10		MH	608/ 8082
% TCMX	100		%	10/26/10		MH	608/ 8082

Project ID: BRANFORD SLE 09-188-7E
Client ID: RR-13

Phoenix I.D.: AZ68316

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

The volatile sample was diluted due to the large presence of napthalene, the chromatogram was evaluated below the lowest calibration standard in order to meet the requested reporting level criteria.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
November 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac
NY # 11301

Analysis Report

October 28, 2010

FOR: Attn: Ms Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/21/10	0:00
Location Code:	DTECHDAS	Received by:	SW	10/21/10	15:14
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	00000				

Laboratory Data

SDG ID: GAZ68316
Phoenix ID: AZ68317

Project ID: BRANFORD SLE 09-188-7E

Client ID: DUPLICATE

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	10/22/10		EK	6010/200.7
Barium	0.240	0.002	mg/L	10/22/10		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Copper	0.001	0.001	mg/L	10/22/10		EK	6010/200.7
Silver (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Arsenic (Dissolved)	< 0.004	0.004	mg/L	10/27/10		EK	6010/200.7
Barium (Dissolved)	0.253	0.002	mg/L	10/24/10		LK	6010/200.7
Cadmium (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Chromium (Dissolved)	0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Copper (Dissolved)	< 0.001	0.001	mg/L	10/24/10		LK	6010/200.7
Mercury (Dissolved)	< 0.0002	0.0002	mg/L	10/22/10		RS	7470/E245.1
Lead (Dissolved)	0.003	0.002	mg/L	10/24/10		LK	6010/200.7
Selenium (Dissolved)	< 0.011	0.011	mg/L	10/24/10		LK	6010/200.7
Zinc (Dissolved)	0.046	0.002	mg/L	10/24/10		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	10/22/10		RS	7470/E245.1
Lead	0.003	0.002	mg/L	10/22/10		EK	6010/200.7
Selenium	< 0.010	0.010	mg/L	10/22/10		EK	6010/200.7
Zinc	0.046	0.002	mg/L	10/22/10		EK	6010/200.7
O&G, Non-polar Material	1.6	1.4	mg/L	10/23/10		VR	Mod. E1664A
Filtration	Completed			10/26/10		AG	0.45um Filter
Dissolved Mercury Digestion	Completed			10/22/10		X	SW7470
Mercury Digestion	Completed			10/22/10		X	7471/245.1
Dissolved Metals Preparation	Completed			10/26/10		AG	SW846-3005
Total Metals Digestion	Completed			10/21/10		AG	

Project ID: BRANFORD SLE 09-188-7E
Client ID: DUPLICATE

Phoenix I.D.: AZ68317

Parameter	Result	RL	Units	Date	Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1,2,2-tetrachloroethane	ND	0.5	ug/L	10/22/10		H/P	E624
1,1,2-Trichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1-Dichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,1-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
1,2-Dichloropropane	ND	1.0	ug/L	10/22/10		H/P	E624
1,3-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
1,4-Dichlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
2-Chloroethyl vinyl ether	ND	1.0	ug/L	10/22/10		H/P	E624
Acrolein	ND	5	ug/L	10/22/10		H/P	E624
Benzene	ND	1.0	ug/L	10/22/10		H/P	E624
Bromodichloromethane	ND	0.5	ug/L	10/22/10		H/P	E624
Bromoform	ND	1.0	ug/L	10/22/10		H/P	E624
Bromomethane	ND	1.0	ug/L	10/22/10		H/P	E624
Carbon tetrachloride	ND	1.0	ug/L	10/22/10		H/P	E624
Chlorobenzene	ND	1.0	ug/L	10/22/10		H/P	E624
Chloroethane	ND	1.0	ug/L	10/22/10		H/P	E624
Chloroform	ND	1.0	ug/L	10/22/10		H/P	E624
Chloromethane	ND	1.0	ug/L	10/22/10		H/P	E624
cis-1,2-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
cis-1,3-Dichloropropene	ND	1.0	ug/L	10/22/10		H/P	E624
Dibromochloromethane	ND	0.5	ug/L	10/22/10		H/P	E624
Ethylbenzene	ND	1.0	ug/L	10/22/10		H/P	E624
m&p-Xylene	2.1	1.0	ug/L	10/22/10		H/P	E624
Methyl t-butyl ether (MTBE)	ND	2	ug/L	10/22/10		H/P	E624
Methylene chloride	ND	5	ug/L	10/22/10		H/P	E624
o-Xylene	1.1	1.0	ug/L	10/22/10		H/P	E624
Tetrachloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
Toluene	ND	1.0	ug/L	10/22/10		H/P	E624
trans-1,2-Dichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
trans-1,3-Dichloropropene	ND	1.0	ug/L	10/22/10		H/P	E624
Trichloroethene	ND	1.0	ug/L	10/22/10		H/P	E624
Trichlorofluoromethane	ND	1.0	ug/L	10/22/10		H/P	E624
Vinyl chloride	ND	1.0	ug/L	10/22/10		H/P	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	101		%	10/22/10		H/P	E624
% Bromofluorobenzene	97		%	10/22/10		H/P	E624
% Dibromofluoromethane	97		%	10/22/10		H/P	E624
% Toluene-d8	98		%	10/22/10		H/P	E624

Project ID: BRANFORD SLE 09-188-7E

Client ID: DUPLICATE

Phoenix I.D.: AZ68317

Parameter	Result	RL	Units	Date	Time	By	Reference

Comments:

The volatile sample was diluted due to the large presence of napthalene, the chromatogram was evaluated below the lowest calibration standard in order to meet the requested reporting level criteria.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

November 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 28, 2010

FOR: Attn: Ms Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/21/10	10:45
Location Code:	DTECHDAS	Received by:	SW	10/21/10	15:14
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	00000				

Laboratory Data

SDG ID: GAZ68316
Phoenix ID: AZ68318

Project ID: BRANFORD SLE 09-188-7E

Client ID: FIELD BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
O&G, Non-polar Material	2.3	1.4	mg/L	10/23/10		VR	Mod. E1664A
Volatiles							
1,1,1-Trichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1-Dichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichloropropane	ND	5.0	ug/L	10/22/10		H/L	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	10/22/10		H/L	E624
Acrolein	ND	25	ug/L	10/22/10		H/L	E624
Benzene	ND	5.0	ug/L	10/22/10		H/L	E624
Bromodichloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Bromoform	ND	5.0	ug/L	10/22/10		H/L	E624
Bromomethane	ND	5.0	ug/L	10/22/10		H/L	E624
Carbon tetrachloride	ND	5.0	ug/L	10/22/10		H/L	E624
Chlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
Chloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
Chloroform	ND	5.0	ug/L	10/22/10		H/L	E624
Chloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	10/22/10		H/L	E624
Dibromochloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Ethylbenzene	ND	5.0	ug/L	10/22/10		H/L	E624

Project ID: BRANFORD SLE 09-188-7E

Client ID: FIELD BLANK

Phoenix I.D.: AZ68318

Parameter	Result	RL	Units	Date	Time	By	Reference
m&p-Xylene	ND	5.0	ug/L	10/22/10		H/L	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	10/22/10		H/L	E624
Methylene chloride	ND	5.0	ug/L	10/22/10		H/L	E624
o-Xylene	ND	5.0	ug/L	10/22/10		H/L	E624
Tetrachloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
Toluene	ND	5.0	ug/L	10/22/10		H/L	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	10/22/10		H/L	E624
Trichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
Trichlorofluoromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Vinyl chloride	ND	5.0	ug/L	10/22/10		H/L	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	99		%	10/22/10		H/L	E624
% Bromofluorobenzene	98		%	10/22/10		H/L	E624
% Dibromofluoromethane	95		%	10/22/10		H/L	E624
% Toluene-d8	100		%	10/22/10		H/L	E624

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller

Phyllis Shiller, Laboratory Director

November 01, 2010

PHOENIX
Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

Analysis Report

October 28, 2010

FOR: Attn: Ms Joy Kloss
Diversified Tech. Consultants
2321 Whitney Avenue 3rd floor
Hamden Center II
Hamden CT 06518

Sample Information		Custody Information		Date	Time
Matrix:	GROUND WATER	Collected by:		10/21/10	0:00
Location Code:	DTECHDAS	Received by:	SW	10/21/10	15:14
Rush Request:		Analyzed by:	see "By" below		
P.O.#:	00000				

Laboratory Data

SDG ID: GAZ68316
Phoenix ID: AZ68319

Project ID: BRANFORD SLE 09-188-7E

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Volatiles							
1,1,1-Trichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1-Dichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,1-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
1,2-Dichloropropane	ND	5.0	ug/L	10/22/10		H/L	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	10/22/10		H/L	E624
Acrolein	ND	25	ug/L	10/22/10		H/L	E624
Benzene	ND	5.0	ug/L	10/22/10		H/L	E624
Bromodichloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Bromoform	ND	5.0	ug/L	10/22/10		H/L	E624
Bromomethane	ND	5.0	ug/L	10/22/10		H/L	E624
Carbon tetrachloride	ND	5.0	ug/L	10/22/10		H/L	E624
Chlorobenzene	ND	5.0	ug/L	10/22/10		H/L	E624
Chloroethane	ND	5.0	ug/L	10/22/10		H/L	E624
Chloroform	ND	5.0	ug/L	10/22/10		H/L	E624
Chloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	10/22/10		H/L	E624
Dibromochloromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Ethylbenzene	ND	5.0	ug/L	10/22/10		H/L	E624
m&p-Xylene	ND	5.0	ug/L	10/22/10		H/L	E624

Project ID: BRANFORD SLE 09-188-7E

Phoenix I.D.: AZ68319

Client ID: TRIP BLANK

Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	10/22/10		H/L	E624
Methylene chloride	ND	5.0	ug/L	10/22/10		H/L	E624
o-Xylene	ND	5.0	ug/L	10/22/10		H/L	E624
Tetrachloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
Toluene	ND	5.0	ug/L	10/22/10		H/L	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	10/22/10		H/L	E624
Trichloroethene	ND	5.0	ug/L	10/22/10		H/L	E624
Trichlorofluoromethane	ND	5.0	ug/L	10/22/10		H/L	E624
Vinyl chloride	ND	5.0	ug/L	10/22/10		H/L	E624
QA/QC Surrogates							
% 1,2-dichlorobenzene-d4	100		%	10/22/10		H/L	E624
% Bromofluorobenzene	98		%	10/22/10		H/L	E624
% Dibromofluoromethane	98		%	10/22/10		H/L	E624
% Toluene-d8	99		%	10/22/10		H/L	E624

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller

Phyllis Shiller, Laboratory Director

November 01, 2010

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

QA/QC Report

November 01, 2010

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163977, QC Sample No: AZ68270 (AZ68316, AZ68317)								
ICP Metals - Aqueous								
Arsenic	BDL	NC	98.0	96.2	1.9	96.3	98.7	2.5
Barium	BDL	0	97.6	95.7	2.0	95.4	96.3	0.9
Cadmium	BDL	NC	97.5	96.3	1.2	95.6	97.6	2.1
Chromium	BDL	NC	96.8	95.4	1.5	95.2	96.4	1.3
Copper	BDL	NC	99.1	97.6	1.5	97.6	98.8	1.2
Lead	BDL	NC	97.3	96.1	1.2	96.0	97.3	1.3
Selenium	BDL	NC	93.1	93.0	0.1	91.7	93.6	2.1
Silver	BDL	NC	98.8	97.3	1.5	97.2	98.1	0.9
Zinc	BDL	NC	97.0	95.9	1.1	96.0	97.7	1.8
QA/QC Batch 163997, QC Sample No: AZ68420 (AZ68316, AZ68317)								
Mercury	BDL		99.5	93.8	5.9	97.4	94.5	3.0
QA/QC Batch 164199, QC Sample No: AZ69296 (AZ68316, AZ68317)								
ICP Metals - Dissolved								
Arsenic	BDL	NC	97.9	96.4	1.5	89.5	86.2	3.8
Barium	BDL	0.40	101	100	1.0	93.0	90.3	2.9
Cadmium	BDL	NC	102	100	2.0	92.0	89.1	3.2
Chromium	BDL	NC	102	100	2.0	92.6	89.4	3.5
Copper	BDL	0.70	103	101	2.0	95.4	91.8	3.8
Lead	BDL	NC	102	101	1.0	92.3	88.7	4.0
Selenium	BDL	NC	93.4	91.6	1.9	86.1	83.4	3.2
Silver	BDL	NC	102	100	2.0	93.7	90.2	3.8
Zinc	BDL	0	100	98.9	1.1	88.1	85.5	3.0

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QA/QC Report

November 01, 2010

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 164138, QC Sample No: AZ68285 (AZ68316, AZ68317, AZ68318)								
Oil and Grease by EPA 1664	BDL		99.0					

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QA/QC Report

November 01, 2010

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
QA/QC Batch 163894, QC Sample No: AZ67387 (AZ68316)							
Polychlorinated Biphenyls							
PCB-1016	ND	99	97	2.0			
PCB-1221	ND						
PCB-1232	ND						
PCB-1242	ND						
PCB-1248	ND						
PCB-1254	ND						
PCB-1260	ND	104	105	1.0			
PCB-1262	ND						
PCB-1268	ND						
% DCBP (Surrogate Rec)	105	109	125	13.7			
% TCMX (Surrogate Rec)	92	97	90	7.5			
QA/QC Batch 164307, QC Sample No: AZ68316 (AZ68316)							
Semivolatiles							
1,2,4-Trichlorobenzene	ND	78	81	3.8			
1,2-Dichlorobenzene	ND	77	80	3.8			
1,3-Dichlorobenzene	ND	75	79	5.2			
1,4-Dichlorobenzene	ND	76	79	3.9			
2,4,6-Trichlorophenol	ND	84	95	12.3			
2,4-Dichlorophenol	ND	78	80	2.5			
2,4-Dimethylphenol	ND	55	55	0.0			
2,4-Dinitrophenol	ND	>130	>130	NC			
2,4-Dinitrotoluene	ND	104	106	1.9			
2,6-Dinitrotoluene	ND	100	101	1.0			
2-Chloronaphthalene	ND	84	89	5.8			
2-Chlorophenol	ND	63	65	3.1			
2-Nitrophenol	ND	76	82	7.6			
3,3'-Dichlorobenzidine	ND	N/A	N/A	NC			
4,6-Dinitro-2-methylphenol	ND	>130	>130	NC			
4-Bromophenyl phenyl ether	ND	93	95	2.1			
4-Chloro-3-methylphenol	ND	84	87	3.5			
4-Chlorophenyl phenyl ether	ND	89	92	3.3			
4-Nitrophenol	ND	>130	>130	NC			
Acenaphthene	ND	93	97	4.2			
Acenaphthylene	ND	84	86	2.4			
Anthracene	ND	96	96	0.0			
Benz(a)anthracene	ND	100	102	2.0			
Benzidine	ND	N/A	N/A	NC			
Benzo(a)pyrene	ND	101	99	2.0			
Benzo(b)fluoranthene	ND	105	106	0.9			
Benzo(ghi)perylene	ND	109	113	3.6			

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Benzo(k)fluoranthene	ND	105	105	0.0			
Benzyl butyl phthalate	ND	97	102	5.0			
Bis(2-chloroethoxy)methane	ND	78	84	7.4			
Bis(2-chloroethyl)ether	ND	77	81	5.1			
Bis(2-chloroisopropyl)ether	ND	76	79	3.9			
Bis(2-ethylhexyl)phthalate	ND	97	101	4.0			
Chrysene	ND	99	100	1.0			
Dibenz(a,h)anthracene	ND	110	114	3.6			
Diethyl phthalate	ND	91	91	0.0			
Dimethylphthalate	ND	89	92	3.3			
Di-n-butylphthalate	ND	89	96	7.6			
Di-n-octylphthalate	ND	96	96	0.0			
Fluoranthene	ND	94	102	8.2			
Fluorene	ND	92	94	2.2			
Hexachlorobenzene	ND	91	93	2.2			
Hexachlorobutadiene	ND	79	82	3.7			
Hexachlorocyclopentadiene	ND	75	41	58.6			
Hexachloroethane	ND	75	78	3.9			
Indeno(1,2,3-cd)pyrene	ND	110	112	1.8			
Isophorone	ND	77	78	1.3			
Naphthalene	ND	83	84	1.2			
Nitrobenzene	ND	81	84	3.6			
N-Nitrosodimethylamine	ND	55	56	1.8			
N-Nitrosodi-n-propylamine	ND	77	79	2.6			
N-Nitrosodiphenylamine	ND	98	100	2.0			
Pentachlorophenol	ND	>130	>130	NC			
Phenanthrene	ND	94	96	2.1			
Phenol	ND	63	64	1.6			
Pyrene	ND	96	106	9.9			
% 2,4,6-Tribromophenol	86	94	101	7.2			
% 2-Fluorobiphenyl	77	82	86	4.8			
% 2-Fluorophenol	47	53	53	0.0			
% Nitrobenzene-d5	79	81	85	4.8			
% Phenol-d5	55	63	63	0.0			
% Terphenyl-d14	69	82	89	8.2			

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 164176, QC Sample No: AZ68319 (AZ68316, AZ68317, AZ68318, AZ68319)

Volatiles

1,1,1-Trichloroethane	ND	93	92	1.1	92	92	0.0
1,1,2,2-Tetrachloroethane	ND	91	85	6.8	89	83	7.0
1,1,2-Trichloroethane	ND	97	90	7.5	97	93	4.2
1,1-Dichloroethane	ND	91	90	1.1	93	94	1.1
1,1-Dichloroethene	ND	98	97	1.0	95	96	1.0
1,2-Dichlorobenzene	ND	95	93	2.1	96	97	1.0
1,2-Dichloroethane	ND	95	90	5.4	94	93	1.1
1,2-Dichloropropane	ND	99	95	4.1	98	95	3.1
1,3-Dichlorobenzene	ND	94	94	0.0	96	97	1.0
1,4-Dichlorobenzene	ND	93	91	2.2	95	97	2.1
Acrolein	ND	96	87	9.8	94	92	2.2
Benzene	ND	97	94	3.1	96	96	0.0
Bromodichloromethane	ND	96	91	5.3	96	95	1.0

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Bromoform	ND	96	92	4.3	94	93	1.1
Bromomethane	ND	43	100	79.7	48	70	37.3
Carbon tetrachloride	ND	90	91	1.1	89	91	2.2
Chlorobenzene	ND	97	96	1.0	96	97	1.0
Chloroethane	ND	101	109	7.6	99	104	4.9
Chloroform	ND	93	90	3.3	94	94	0.0
Chloromethane	ND	85	84	1.2	95	99	4.1
cis-1,2-Dichloroethene	ND	97	93	4.2	96	95	1.0
cis-1,3-Dichloropropene	ND	95	90	5.4	95	93	2.1
Dibromochloromethane	ND	99	94	5.2	97	97	0.0
Ethylbenzene	ND	96	97	1.0	96	96	0.0
m&p-Xylene	ND	95	98	3.1	95	97	2.1
Methyl t-butyl ether (MTBE)	ND	56	92	48.6	51	59	14.5
Methylene chloride	ND	91	88	3.4	91	87	4.5
o-Xylene	ND	96	100	4.1	95	98	3.1
Tetrachloroethene	ND	97	95	2.1	96	97	1.0
Toluene	ND	98	95	3.1	96	96	0.0
trans-1,2-Dichloroethene	ND	98	97	1.0	95	96	1.0
trans-1,3-Dichloropropene	ND	95	90	5.4	95	93	2.1
Trichloroethene	ND	100	97	3.0	101	103	2.0
Trichlorofluoromethane	ND	89	88	1.1	98	91	7.4
Vinyl chloride	ND	87	99	12.9	91	98	7.4
% 1,2-dichlorobenzene-d4	99	100	98	2.0	101	101	0.0
% Bromofluorobenzene	96	96	100	4.1	96	99	3.1
% Dibromofluoromethane	97	105	99	5.9	101	94	7.2
% Toluene-d8	101	100	99	1.0	100	101	1.0

Comment:

A blank MS/MSD was analyzed with this batch.

QA/QC Batch 164221, QC Sample No: AZ68789 (AZ68316, AZ68317)

Volatiles

1,1,1-Trichloroethane	ND	98	92	6.3	93	91	2.2
1,1,2,2-Tetrachloroethane	ND	100	101	1.0	108	103	4.7
1,1,2-Trichloroethane	ND	92	94	2.2	97	97	0.0
1,1-Dichloroethane	ND	95	89	6.5	95	93	2.1
1,1-Dichloroethene	ND	101	95	6.1	100	95	5.1
1,2-Dichlorobenzene	ND	101	99	2.0	100	97	3.0
1,2-Dichloroethane	ND	97	94	3.1	92	93	1.1
1,2-Dichloropropane	ND	98	95	3.1	98	97	1.0
1,3-Dichlorobenzene	ND	102	100	2.0	99	97	2.0
1,4-Dichlorobenzene	ND	101	99	2.0	99	97	2.0
Acrolein	ND	93	87	6.7	76	71	6.8
Benzene	ND	97	95	2.1	98	98	0.0
Bromodichloromethane	ND	96	96	0.0	97	95	2.1
Bromoform	ND	100	97	3.0	101	101	0.0
Bromomethane	ND	120	44	92.7	105	125	17.4
Carbon tetrachloride	ND	95	91	4.3	95	91	4.3
Chlorobenzene	ND	103	98	5.0	101	101	0.0
Chloroethane	ND	107	87	20.6	98	101	3.0
Chloroform	ND	96	93	3.2	96	92	4.3
Chloromethane	ND	88	86	2.3	89	91	2.2
cis-1,2-Dichloroethene	ND	96	93	3.2	98	94	4.2
cis-1,3-Dichloropropene	ND	96	95	1.0	99	98	1.0

QA/QC Data

SDG I.D.: GAZ68316

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD
Dibromochloromethane	ND	101	96	5.1	103	102	1.0
Ethylbenzene	ND	102	96	6.1	99	101	2.0
m&p-Xylene	ND	103	98	5.0	99	101	2.0
Methyl t-butyl ether (MTBE)	ND	99	54	58.8	103	96	7.0
Methylene chloride	ND	91	88	3.4	91	88	3.4
o-Xylene	ND	106	99	6.8	99	101	2.0
Tetrachloroethene	ND	100	95	5.1	102	102	0.0
Toluene	ND	98	98	0.0	98	98	0.0
trans-1,2-Dichloroethene	ND	97	95	2.1	98	93	5.2
trans-1,3-Dichloropropene	ND	97	94	3.1	99	98	1.0
Trichloroethene	ND	94	94	0.0	94	94	0.0
Trichlorofluoromethane	ND	100	96	4.1	98	90	8.5
Vinyl chloride	ND	100	86	15.1	93	98	5.2
% 1,2-dichlorobenzene-d4	99	100	101	1.0	100	99	1.0
% Bromofluorobenzene	95	102	96	6.1	95	102	7.1
% Dibromofluoromethane	98	98	96	2.1	102	100	2.0
% Toluene-d8	100	99	101	2.0	98	100	2.0

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria

Phyllis Shiller

Phyllis Shiller, Laboratory Director
November 01, 2010

Monday, November 01, 2010

Sample Criteria Exceedences Report

Requested Criteria: GWP, SWP

GAZ68316

SampNo	LocCode	Acode	Phoenix Analyte	Criteria Units	ST	State Category	Criteria Name	Result	RL	Factored Criteria	Factored RL Criteria	Analysis Units
AZ68316	DTECHDAS	$624WMR	Acrolein	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5	0.04	0.04	ug/L
AZ68316	DTECHDAS	$625-WMR	Acenaphthene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	27	20	6.1	6.1	ug/L
AZ68316	DTECHDAS	$625-WMR	Acenaphthylene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.3	0.3	ug/L
AZ68316	DTECHDAS	$625-WMR	Benz(a)anthracene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.06	0.06	ug/L
AZ68316	DTECHDAS	$625-WMR	Benz(a)anthracene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.3	0.3	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(b)fluoranthene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.08	0.08	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(b)fluoranthene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.3	0.3	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(k)fluoranthene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.5	0.5	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(k)fluoranthene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.3	0.3	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(ghi)perylene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	4.92	4.92	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(a)pyrene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.2	0.2	ug/L
AZ68316	DTECHDAS	$625-WMR	Benzo(a)pyrene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.3	0.3	ug/L
AZ68316	DTECHDAS	$625-WMR	Bis(2-chloroethyl)ether	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	12	12	ug/L
AZ68316	DTECHDAS	$625-WMR	Bis(2-ethylhexyl)phthalate	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	2	2	ug/L
AZ68316	DTECHDAS	$625-WMR	Chrysene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	4.8	4.8	ug/L
AZ68316	DTECHDAS	$625-WMR	Dibenz(a,h)anthracene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.2	0.2	ug/L
AZ68316	DTECHDAS	$625-WMR	Dibenz(a,h)anthracene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.01	0.01	ug/L
AZ68316	DTECHDAS	$625-WMR	3,3-Dichlorobenzidine	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	41	10	10	ug/L
AZ68316	DTECHDAS	$625-WMR	2,4-Dinitrotoluene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	14	14	ug/L
AZ68316	DTECHDAS	$625-WMR	2,6-Dinitrotoluene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	10	10	ug/L
AZ68316	DTECHDAS	$625-WMR	Hexachlorobenzene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	1	1	ug/L
AZ68316	DTECHDAS	$625-WMR	Hexachlorobenzene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	ND	20	0.077	0.077	ug/L
AZ68316	DTECHDAS	$625-WMR	Hexachloroethane	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	3	3	ug/L
AZ68316	DTECHDAS	$625-WMR	Indeno(1,2,3-cd)pyrene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	0.2	0.2	ug/L
AZ68316	DTECHDAS	$625-WMR	Naphthalene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	630	100	280	280	ug/L
AZ68316	DTECHDAS	$625-WMR	Naphthalene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	630	100	24	24	ug/L
AZ68316	DTECHDAS	$625-WMR	Nitrobenzene	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	10	10	ug/L
AZ68316	DTECHDAS	$625-WMR	N-Nitrosodiphenylamine	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	10	10	ug/L
AZ68316	DTECHDAS	$625-WMR	N-Nitrosodi-n-propylamine	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	10	10	ug/L
AZ68316	DTECHDAS	$625-WMR	Phenanthrene	ug/L	CT	Semivolatile Organic Comp	SWPC (µg/L)	36	20	0.077	0.077	ug/L
AZ68316	DTECHDAS	$625-WMR	2,4-Dinitrophenol	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	100	50	50	ug/L
AZ68316	DTECHDAS	$625-WMR	Pentachlorophenol	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	100	1	1	ug/L
AZ68316	DTECHDAS	$625-WMR	2,4,6-Trichlorophenol	ug/L	CT	Semivolatile Organic Comp	GWPC (µg/L)	ND	20	10	10	ug/L
AZ68317	DTECHDAS	$624WMR	Acrolein	ug/L	CT	Volatile Organic Compound	GWPC (µg/L)	ND	5	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** DTECHDAS

Project Location: BRANFORD SLE 09-188-7E **Project Number:**

Laboratory Sample ID(s): AZ68316, AZ68317, AZ68318, AZ68319

Sampling Date(s): 10/21/2010

RCP Methods Used:

☐ 1311/1312 ☑ 6010 ☐ 7000 ☐ 7196 ☑ 7470/7471 ☑ 8081 ☐ EPH ☐ TO15

☑ 8082 ☐ 8151 ☑ 8260 ☑ 8270 ☐ ETPH ☐ 9010/9012 ☐ VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed (including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence	☑ Yes ☐ No
1a.	Were the method specified preservation and holding time requirements met?	☑ Yes ☐ No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	☐ Yes ☐ No ☑ NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	☑ Yes ☐ No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	☑ Yes ☐ No ☐ NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents acheived? See Sections: SVOA Narration, VOA Narration.	☐ Yes ☑ No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5b.	Were these reporting limits met?	☐ Yes ☑ No ☐ NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No ☐ NA
7.	Are project-specific QC samples included in the data set?	☐ Yes ☐ No ☑ NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence"

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde 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.

Authorized Signature: _____

Date: Monday, November 01, 2010

Printed Name: Greg Lawrence

Position: Assistant Lab Director

PHOENIX

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

Volatile 8260 analysis:
The reporting level for acrolein is above the GWP criteria.

The client requested volatiles by 624. This method has a shorter list of compounds than the RCP volatile list. Therefore, the following compounds from the RCP 8260 Volatile analyte list were not reported: 1,1,1,2-Tetrachloroethane, 1,1-Dichloropropene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dibromo-3-chloropropane, 1,3,5-Trimethylbenzene, 1,3-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, 2-Hexanone, 4-Chlorotoluene, 4-Methyl-2-pentanone, Acetone, Acrylonitrile, Bromobenzene, Carbon Disulfide, Dibromoethane, Dibromomethane, Dichlorodifluoromethane, Hexachlorobutadiene, Isopropylbenzene, Methyl Ethyl Ketone, n-Butylbenzene, n-Propylbenzene, Naphthalene, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butylbenzene, Tetrahydrofuran (THF), trans-1,4-dichloro-2-butene, Trichlorotrifluoroethane.

Many of the semi-volatile organic compounds did not meet the requested criteria due to the presence of other target compounds.

Mercury Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Merlin 10/21/10-1 (AZ68316, AZ68317)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 10/21/2010

Instrument: Merlin 10/22/10-1 (AZ68316, AZ68317)

The method preparation blank contains all of the acids and reagents as the samples; the instrument blanks do not.
The initial calibration met all criteria including a standard run at or below the reporting level.
All calibration verification standards (ICV, CCV) met criteria.
All calibration blank verification standards (ICB, CCB) met criteria.
The matrix spike sample is used to identify spectral interfernce for each batch of samples, if within 85-115%, no interference is observed and no further action is taken.

Printed Name Rick Schweitzer
Position: Chemist
Date: 10/22/2010

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RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

QC (Batch Specific)

All LCS recoveries were within 80 - 120 with the following exceptions: None.

All LCSD recoveries were within 80 - 120 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

ICP Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Icp9 10/22/10-1 (AZ68316, AZ68317)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/22/2010

Instrument: Icp9 10/24/10-1 (AZ68316, AZ68317)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/24/2010

Instrument: Icp9 10/27/10-1 (AZ68316, AZ68317)

The initial calibration met criteria.
The continuing calibration standards met criteria for all the elements reported. The linear range is defined daily by the calibration range.
The continuing calibration blanks were less than the reporting level for the elements reported.
The ICSA and ICSAB were analyzed at the beginning and end of the run and were within criteria.

Printed Name Emily Kolominskaya
Position: Chemist
Date: 10/27/2010

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RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

QC (Batch Specific)

All LCS recoveries were within 75 - 125 with the following exceptions: None.

All LCSD recoveries were within 75 - 125 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd4 10/24/10-1 (AZ68316)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/24/2010

Instrument: Au-ecd4 10/26/10-1 (AZ68316)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn
Position: Chemist
Date: 10/26/2010

QC (Batch Specific)

All LCS recoveries were within 30 - 130 with the following exceptions: None.

All LCSD recoveries were within 30 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: None.

PEST Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd13 10/25/10-1 (AZ68316)

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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 15% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: None

Printed Name Michael Hahn
Position: Chemist
Date: 10/25/2010

Instrument: Au-ecd13 10/26/10-1 (AZ68316)

8081 Narration:

Endrin and DDT breakdown was evaluated and is below 15%.

The initial calibration RSD for the compound list was less than 15% except for the following compounds: None

The continuing calibration standards were within acceptance criteria except for the following compounds: None

Printed Name Keith Aloisa
Position: Chemist
Date: 10/26/2010

QC Comments: QC Batch 63848 10/20/10 (AZ68316)

A LCS and LCS duplicate were performed instead of a matrix spike and matrix spike duplicate.

SVOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The are several compounds with LCS/LCSD recoveries above the upper criteria. These compounds were not detected in the sample. No significant bias is suspected.

Instrument: Chem06 10/28/10-1 (AZ68316)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem06/SV_1027):
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: Hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, Pentachlorophenol

The following compounds failed to meet the minimum required response factor: 2-nitrophenol, Hexachlorobenzene, % 2,4,6-tribromophenol

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RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference from the initial calibration: Benzoic Acid, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4-Nitrophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol

Printed Name Harry Mullin
Position: Chemist
Date: 10/28/2010

Instrument: Chem09 10/25/10-1 (AZ68316)

The DDT breakdown and pentachlorophenol & benzidine peak tailing were not evaluated in the DFTPP tune.

Initial Calibration (Chem09/SV_1024):
Greater than 90% of the target compounds met calibration criteria with a RSD <20% or >0.99 correlation coefficient. The following compounds had RSDs >20% and <0.99 correlation coefficient: Benzoic Acid, Hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-nitroaniline, Pentachlorophenol

The following compounds failed to meet the minimum required response factor: none

Continuing Calibration:
Greater than 80% of target compounds met continuing calibration criteria with a %D <20. The following compounds had >20% difference from the initial calibration: 2,4-Dinitrophenol

Printed Name Keith Aloisa
Position: Chemist
Date: 10/25/2010

QC Comments: QC Batch 64105 10/22/10 (AZ68316)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 64307 10/26/10 (AZ68316)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

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RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

QC (Site Specific)

---------- Sample No: AZ68316 ----------

All LCS recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Pentachlorophenol

All LCSD recoveries were within 30 - 130 with the following exceptions: 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, 4-Nitrophenol, Pentachlorophenol

All LCS/LCSD RPDs were less than 20% with the following exceptions: Hexachlorocyclopentadiene

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

VOA Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? No.

The LCS, Ms and MS recovery for bromomethane and MTBE is below the lower range. A low bias for these compounds is possible.

Instrument: Chem01 10/21/10-1 (AZ68316, AZ68317, AZ68318, AZ68319)

Initial Calibration Verification (CHEM01/RCPW_1021):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromomethane

Continuing Calibration Verification:
>80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

Printed Name Lynne Matteson
Position: Chemist
Date: 10/21/2010

Instrument: Chem01 10/22/10-1 (AZ68316, AZ68317)

Initial Calibration Verification (CHEM01/RCPW_1019):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Bromomethane

Continuing Calibration Verification:
>80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >20%: None.

Printed Name Lynne Matteson
Position: Chemist
Date: 10/22/2010

QC Comments: QC Batch 64176 10/25/10 (AZ68316, AZ68317, AZ68318, AZ68319)

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RCP Certification Report

November 01, 2010

SDG I.D.: GAZ68316

A blank MS/MSD was analyzed with this batch.

QC (Site Specific)

---------- Sample No: AZ68319 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Bromomethane, Methyl t-butyl ether (MTBE)

All LCSD recoveries were within 70 - 130 with the following exceptions: None.

All LCS/LCSD RPDs were less than 20% with the following exceptions: Bromomethane, Methyl t-butyl ether (MTBE)

All MS recoveries were within 70 - 130 with the following exceptions: Bromomethane, Methyl t-butyl ether (MTBE)

All MSD recoveries were within 70 - 130 with the following exceptions: Methyl t-butyl ether (MTBE)

All MS/MSD RPDs were less than 20% with the following exceptions: Bromomethane

A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria.

QC (Batch Specific)

All LCS recoveries were within 70 - 130 with the following exceptions: None.

All LCSD recoveries were within 70 - 130 with the following exceptions: Bromomethane, Methyl t-butyl ether (MTBE)

All LCS/LCSD RPDs were less than 20% with the following exceptions: Bromomethane, Chloroethane, Methyl t-butyl ether (MTBE)

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Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: service@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 6 Pg 1 of 1

Data Delivery:
☐ Fax #:
☑ Email: jay.kloss@teamdtc.com

Customer: Diversified Technology Consultants
Address: 2321 Whitney Ave
Hamden, CT

Project: Branford SLE / 04-188-07E
Report to: DTC
Invoice to: DTC - DAS Contract / ISR Form

Project P.O: 00000
Phone #: 203-239-4200
Fax #:

Client Sample - Information - Identification

Sampler's Signature: Jay P Kloss Date 10-21-10

Matrix Code:
DW=drinking water WW=wastewater S=soil/solid O=other DI H2O
GW=groundwater SL=sludge A=air

Analysis Request

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	VOCs (6.24)	SVOCs (6.25)	TPH (1.06.4)	Total RCRA Metals Cu, Zn (6.10B)	Dissolved RCRA Metals Cu, Zn (200.7)	PCBs (6.08)	Pesticides (6.08)	Soil VOA [ ] Methanol [ ] S. Bisulfate [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [✓] As is [ ] H2SO4	PL As is [✓] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle
68316	RR-13	GW	10/21/10	1030	X	X	X	X	X	X	X					2	4	1		1	
68317	Duplicate	↓	↓	—	X		X	X	X							2	1	1		1	
68318	Field Blank	O	↓	1045	X		X									2	1				
68319	Trip Blank	O	↓	—	X											2					

Relinquished by:	Accepted by:	Date:	Time:
Jay P Kloss	mike B	10/21/10	1:05
mike B	Monica Jones	10/21/10	15:14

Comments, Special Requirements or Regulations:
*Dissolved Metals - Lab Filter
Metals - EPA 200.7
GP for discharge to SW for detection limits

Turnaround:
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☑ Standard
☐ Other
5 DAY
* SURCHARGE APPLIES

CT/RI
☑ RCP Cert.
☐ GW Protect.
☐ GA Mobility
☐ GB Mobility
☐ SW Protect.
☐ Res. Vol.
☐ Ind. Vol.
☐ Res. Criteria
☐ Other

MA
☐ MCP Cert.
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

Data Format
☐ Excel
☐ PDF
☐ GIS/Key
☐ EQuIS
☐ Other

Data Package
☐ ASP-A
☐ NJ Reduced Deliv. *
☐ NJ Hazsite EDD
☐ Phoenix Std Report
☐ Other

State where samples were collected: CT