August 31, 2012

Mr. William Maley, Jr.
President
Trans-Lite, Inc.
120 Wampus Lane
Milford, Connecticut 06460

Subject: **Volatile Organic Compound (VOC) Investigation**
**Trans-Lite, Inc.**
**120 Wampus Lane, Milford, Connecticut 06460**
**AMEC Project 3610110095**

Dear Mr. Maley:

AMEC Environment & Infrastructure (AMEC) has prepared this letter report to summarize additional environmental investigation conducted at the Trans-Lite, Inc. (Trans-Lite) property located at 120 Wampus Lane in Milford, Connecticut (the Site).

## 1.0 INTRODUCTION

AMEC was retained by Trans-Lite to perform additional soil and groundwater sampling at the Site to further assess soil and groundwater quality at the Site. More specially, the work was proposed to evaluate if an additional source area is present in shallow or intermediate soil which may be contributing to the chlorinated volatile organic compounds (CVOCs) in groundwater, further delineate horizontal and vertical extents of the CVOC plume and further refine the extent of CVOCs in shallow soil underneath the center portion of the building.

## 2.0 SITE BACKGROUND

The Site consists of a 50,089 square foot single story building located on a 2.07 acre parcel in Milford, Connecticut. The building was reportedly constructed in 1950 and is currently occupied by Trans-Lite which utilizes the Site for the design and manufacture of interior and exterior lighting for the railway industry. The Site has been occupied by Trans-Lite since 1959. A Site location map is included as **Figure 1** and the layout of the Site is provided on **Figure 2**.

Environmental investigations were completed at the Site in the late 1990s and early 2000s. These investigations determined that the geology of the Site consists of three main geologic units (Upper Sand Unit, Middle Aquitard Unit and Lower Sand and Gravel Unit). Wells installed in the Upper Sand Unit were designed to intersect the top of the water table and were designated as shallow wells (S). Wells installed within the lower part of the Upper Sand Unit and on top of the Middle Aquitard Unit were designed as intermediate wells (I). Wells installed within the Middle Aquitard were designed as deep wells (D). Well details are included on **Table 1**.

Prior investigations by others identified an area of soil containing elevated concentrations of CVOCs in the vicinity of a former drain pit within the Cleaning Room of the facility. A vapor

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degreaser was also formerly located within the Cleaning Room. The report also indicated the potential presence of dense non-aqueous phase liquid (DNAPL) based on the concentrations of CVOCs detected. Sampling of the well network in September 2001 detected CVOCs in the 13 Site wells, with the highest concentrations noted in MW-02I, which is located adjacent to the parts washing room.

In 2002, a remedial excavation program was completed in the Cleaning Room. Approximately 14 tons of CVOC-impacted soil was removed from below the flooring and disposed of off-site at a permitted facility.

Sampling of the well network was completed in April 2006 and January 2011 with CVOCs detected in 10 of the 13 Site wells during the April 2006 event and 12 of the 13 Site wells during the January 2011 event. Select CVOCs presented increasing trends while others were decreasing. The highest concentrations were observed in groundwater collected from the base of the Upper Sand Unit at the Cleaning Room.

Additional investigation was recommended to determine if an additional source area near the Cleaning Room and former degreaser is present in soil which may be contributing to the CVOCs in groundwater. Additional investigation was also recommended to further delineate horizontal and vertical extents of the CVOC plume and for potential remedial planning and design.

The Site is located in a “GB” groundwater area as classified by the Connecticut Department of Energy and Environmental Protection (CT DEEP). A “GB” classification is defined as an area where public water supply is available and groundwater is not used for human consumption.

## 3.0 FIELD ACTIVITIES

AMEC completed field investigation activities on May 9 through 13, July 7 and December 2, 2011. The following activities were completed:

- Completed soil borings at locations MW-08, MW-09, SB-10, MW-11 through MW-13 and SB-14 through SB-23.
- Shallow wells installed within the Upper Sand Unit that intersected the top of the water include MW-08S and MW-13S.
- Intermediate wells installed at the base of the Upper Sand Unit include MW-08I, MW-09I, MW-10I, MW-11I and MW-12I.
- Sample the newly installed wells (MW-08S, MW-08I, MW-09I, MW-10I, MW-11I, MW-12I and MW-13S) and an existing well installed within the former remedial excavation area (MW-EX) for VOCs.
- Sampled wells MW-02I, MW-08S, MW-08I and MW-EX for 1,4-dioxane.
- Completed three rounds of depth-to-water measurements to assist with groundwater contouring and to determine if DNAPL is present.
- Measure the location of all newly installed soil borings and groundwater wells and survey the elevation of the newly installed groundwater wells.

Soil boring and well installation activities were performed by Aquifer Drilling and Testing, Inc. (ADT) with oversight and direction by AMEC. The location of the soil borings and groundwater monitoring wells is included on **Figure 2**.

The soil borings and monitoring wells were installed using a track mounted Geoprobe with the exception of soil borings SB-10 and SB-14 through SB-23 which were performed using Geoprobe tooling but were advanced using a jack hammer. For all locations, a wet core drill was used to core a hole through the concrete flooring prior to soil boring advancement. The concrete flooring was typically 6 to 8 inches thick. Location SB-10 was completed through an approximately 18 inch deep pit in the floor that typically contains water and may have previously been associated with the former degreaser operations in the Cleaning Room.

The soil borings completed with the Geoprobe were typically advanced to a depth of approximately 10 feet below the ground surface (BGS) except for MW-08 which was advanced to a depth of 30 feet bgs. Soil boring SB-10 was advanced to a depth of 9 feet below the bottom of the pit and soil borings SB-14 through SB-17 were advanced to depths between 3 and 6 feet bgs and into the groundwater table. Soil borings SB-18 through SB-23 were advanced to a depth of 5 feet bgs and into the groundwater table.

Soils encountered consisted primarily of medium fine with some course and fine sand. Silt, presumably the Middle Aquitard Unit, was encountered at a depth of 30 feet in boring MW-08. Soils from the borings were field screened with a photoionization detector (PID) with VOC responses noticed in select soils. Soil boring logs, which include results of the PID screening, are attached.

Soil samples were collected for laboratory analysis from each soil boring and from two separate intervals. Soil samples were typically collected from the interval directly below the concrete flooring and the interval at the groundwater surface which was typically 3 to 4 feet below the bottom of the concrete flooring. The soil samples were analyzed for VOCs by method 8260.

One-inch diameter monitoring wells were installed at MW-08 through MW-13. Shallow and intermediate wells were installed at location MW-08 and designated as MW-08S and MW-08I. Intermediate wells were installed at locations MW-09 through MW-12 and shallow well was installed at location MW-13. The intermediate wells were were installed at depths between 28 and 30 feet on top of the Middle Aquitard Unit. The shallow wells were installed at a depth of 12 feet within the Upper Sand Unit. All wells were installed with 10 foot screened sections and standard sand pack and bentonite seal. Well details are included on **Table 1** and monitoring well construction diagrams are attached.

Groundwater samples were collected from each of the newly installed wells between May 10 and 13, 2011, and were analyzed for VOCs by method 8260 Groundwater samples were again collected on July 7, 2011 from wells MW-02I, MW-08S, MW-08I and MW-EX and analyzed for 1,4-dioxane which is a stabilizer that was commonly used in chlorinated solvents, and especially in 1,1,1-trichloroethane (1,1,1-TCA). The wells were sampled using low-flow sampling protocols. A peristaltic pump was used to extract groundwater from the wells at a rate between 100 to 300 milliliters per minute. Measurements were conducted on the extracted groundwater to determine when groundwater parameters stabilized and representative samples could be collected. Once the wells stabilized, groundwater samples were then collected. Field data records were prepared documenting the well purging and sampling for each well, along with calibration records for equipment used in the sampling process.

Depth-to-groundwater measurements were collected on May 13, July 7 and December 2, 2011, from all Site wells. The measurements were used to prepare groundwater contours depicting potential groundwater flow patterns within the shallow, intermediate and deep zoned wells.

Groundwater contour maps were prepared and are included as **Figures 3 through 11**. Groundwater in all three zones was to the north or northeast during the May gauging events with very little gradient. Groundwater flow was to the east or east-northeast during the July gauging event at a slightly steeper gradient. Groundwater flow varied from the northwest to northeast during the July gauging event with little gradient. Groundwater flow in all three zones has historically been calculated to flow to the north or northeast towards Stubby Plains Brook, however, some deviations have been observed.

Measurements also were completed to determine if DNAPL was present in any of the Site wells. DNAPL was not detected during either groundwater gauging event in 2011.

Each of the soil borings and monitoring well locations were measured from fixed building walls to determine horizontal location and the wells were surveyed to determine relative elevation for groundwater contouring.

## 4.0 LABORATORY RESULTS

The soil and groundwater samples were submitted to Phoenix Environmental Laboratories, Inc. of Manchester, Connecticut for analysis. The soil and groundwater samples were analyzed for VOCs by EPA method 8260. Select groundwater samples were analyzed for 1,4-dioxane by method 8260. The laboratory reports are attached.

The laboratory results were then compared to the Remediation Standard Regulations (RSR) (Sections 22a-133k-1 through 22a-133k-3 of the Regulations of Connecticut State Agencies) criteria applicable to the Site. A summary of the soil sample results is included on **Table 2** and the groundwater sample results are included on **Tables 3 and 4**. A summary of the groundwater sample results from the prior sampling events conducted in September 2001, April 2006 and January 2011 are included on **Table 5**.

### 4.1 Soil Sample Results

Soil sample results were compared to the Residential Direct Exposure Criteria (RDEC), Industrial/Commercial Direct Exposure Criteria (I/C DEC) and the Pollutant Mobility Criteria for GB areas (GB PMC). Although the Site is clearly used for industrial purposes, the sample concentrations were compared to both the RDEC and I/C DEC since there is no environmental land use restriction (ELUR) in place to restrict property use to industrial and/or commercial use. Where values are not available in the RSRs, for the RDEC, I/C DEC or GB PMC, the 2005 Additional Polluting Substances (APS) Criteria were used for comparison.

VOCs were detected in 26 of the 34 soil samples collected, however, only the concentrations in 11 of the samples exceeded RSR criteria. The detected concentration of 94,000 microgram per kilogram (ug/kg) of tetrachloroethene (PCE) in MW-08 (0.5’-2.0’) is above the RDEC and GB PMC. The PCE concentrations in SB-10 (3.0’-3.5’), SB-14 (0’-2’), SB-14 (3’-5’), SB-15 (0’-2’), SB-17 (0’-2’), SB-18 (0’-2’), SB-19 (2’-4’), SB-21 (0’-2’), SB-22 (0’-2’) and SB-23 (0’-2’) are much lower (1,300 to 18,000 ug/kg), but they are above the GB PMC only. The soil sample collected from SB-10 was collected from below the bottom of the concrete pit at a depth that is below the seasonal high water table. Therefore, the GB PMC does not apply to that sample and the concentration detected is more representative of groundwater conditions.

**Figure 12** presents the detected concentrations of PCE and 1,1,1-trichloroethane (1,1,1-TCA) at each sampling location and **Figure 13** presents total VOC concentration contours in unsaturated soil. Soil data collected from historic soil sampling was utilized in the contouring.

### 4.2 Groundwater Sample Results

Groundwater samples were compared to the Surface Water Protection Criteria (SWPC), Residential Volatilization Criteria (Res Vol) and Industrial/Commercial Volatilization Criteria (I/C Vol). Although the Site is clearly used for industrial purposes, the groundwater sample concentrations were compared to both the Res Vol and I/C Vol since there is no ELUR in place to restrict property use to industrial and/or commercial. Where values are not available in the RSRs for the RVC and/or I/C VC, the March 2003 Proposed Revisions to Connecticut's Volatilization Criteria and the 2005 APS Criteria were used for comparison.

VOCs were detected in each of the groundwater samples collected and exceedences of RSR criteria in seven of eight samples. In the shallow wells, PCE was detected above the RVC, I/C VC and SWPC in MW-EX and above the SWPC in MW-08S. 1,1-Dichloroethene (1,1-DCE) was detected above the RVC, I/C VC and SWPC in MW-08S and above the RVC and I/C VC in MW-EX.

In the intermediate wells, PCE was detected above the RVC and SWPC in MW-10I. 1,1-DCE was detected above the RVC, I/C VC and SWPC in MW-08I, MW-09I and MW-12I and above the RVC and I/C VC in MW-10I and MW-11I.

**Figures 14, 15 and 16** present the detected concentrations of 1,1-DCE, PCE, 1,1,1-TCA and trichloroethene (TCE) for shallow, intermediate and deep zones at each well from groundwater sampling completed in 2011, including the groundwater results from January 2011. **Figures 17 and 18** present the total VOC concentration contours for the shallow and intermediate zones from groundwater sampling completed in 2011.

1,4 Dioxane was detected in two of the four groundwater samples collected for that constituent. Levels of 1,4 Dioxane at 15 ug/l and 22 ug/l were detected in MW-08I and MW-02I respectively. No criteria have been developed for this constituent.

DNAPL was not detected in any of the site wells gauged in 2011.

## 5.0 FINDINGS AND CONCLUSIONS

Findings and conclusions were formulated based upon the data obtained during this investigation and groundwater sampling completed earlier in 2011.

Soil sampling was completed in the vicinity of the former Cleaning Room to determine if a VOC source area exists in soil. Only levels of VOCs below RSR criteria were detected in shallow soils in this area. The highest PCE concentration was detected in a soil sample collected below a concrete pit; however, the sample was collected from saturated soils and the results are presumably more indicative of groundwater conditions.

PCE was detected at concentrations above RSR criteria in shallow unsaturated soils below the central portion of the factory floor at location MW-08. Soil samples were collected to delineate

the lateral extent of PCE impact with decreasing concentrations noted. VOC impacted soils are effectively delineated.

Additional monitoring wells were installed in the shallow and intermediate zones to further delineate the VOC groundwater plume and collect additional data for remedial planning and design. The wells further refined the groundwater plume and determined that MW-02I is the center of the highest VOC concentrations with concentrations decreasing substantially laterally. The sampling also provided additional insight regarding the vertical distribution with much higher concentrations detected in the intermediate zone although shallow groundwater is still impacted above remedial criteria.

The additional monitoring wells were also used to determine if DNAPL is present; however, DNAPL was not detected.

Remedial planning can be initiated for the groundwater plume from the former Cleaning Room and VOC impact in shallow soil underneath the central portion of the factory floor.

## 6.0 CLOSING

If you have any questions regarding the information presented in this letter, please feel free to contact either of the undersigned at (860) 529-7191.

Sincerely,

**AMEC Environment & Infrastructure**

Jonathan R. Yeich, LEP
Project Manager & Senior Scientist

for Daniel B. Wisialowski, P.E. w/permission
Project Principal

C: William Stokesbury - Shipman, Sosensky & Marks, LLC

ATTACHMENTS:

Figures
Tables
Soil Borings Logs
Monitoring Well Construction Diagrams
Laboratory Reports

# FIGURES

Base map source: MAPTECH, USGS Topographic Series. Connecticut complete state coverage CD. Edition 2.0 MILFORD quadrangle, photorevised 1984.

Not to scale

Prepared/Date: JVM 08/30/11
Checked/Date: JRY 08/30/11

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|---|---|---|
| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Site<br>Location Map<br>Project 3610-11-0095<br>Figure 1 |

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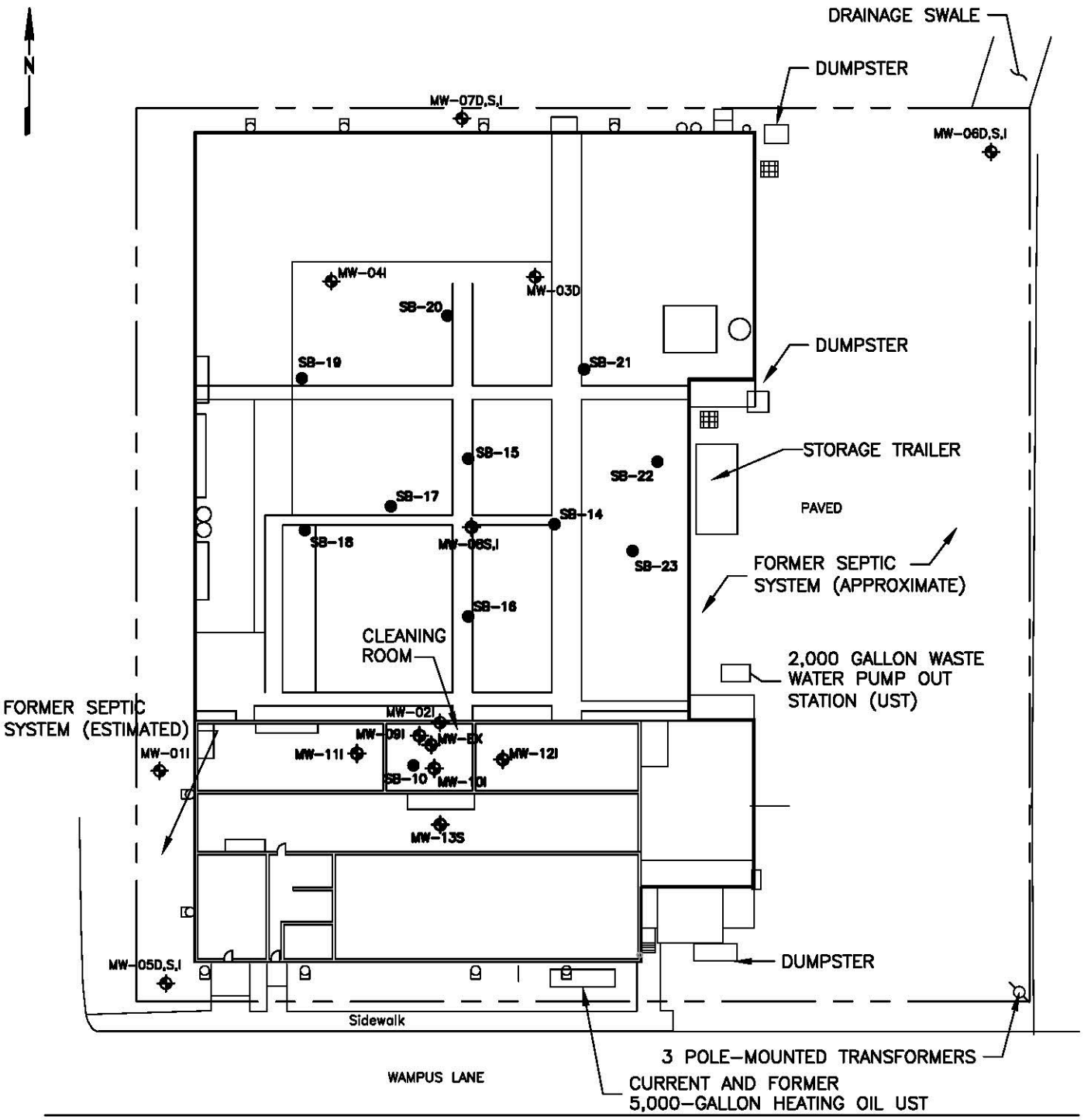


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL

0 25 50
Scale in feet

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

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| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Site Plan With Sample Locations<br><br>Project 3610-11-0095<br>Figure 2 |

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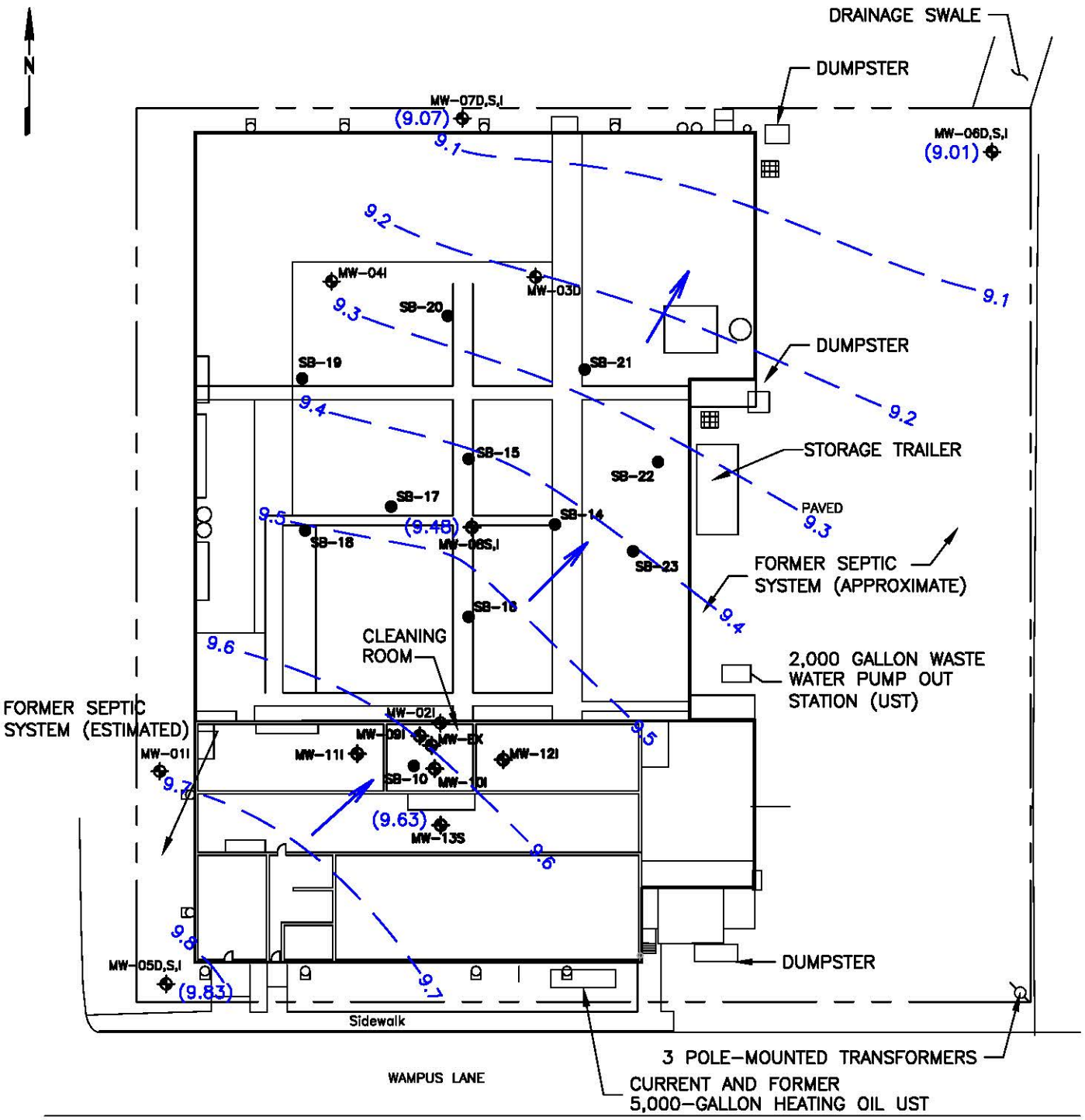


LEGEND

- ● SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- (9.50) GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW

GROUNDWATER DEPTHS MEASURED ON MAY 13, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

0 25 50
Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Shallow Wells (May 2011)<br>Project 3610-11-0095<br>Figure 3 |
|---|---|---|

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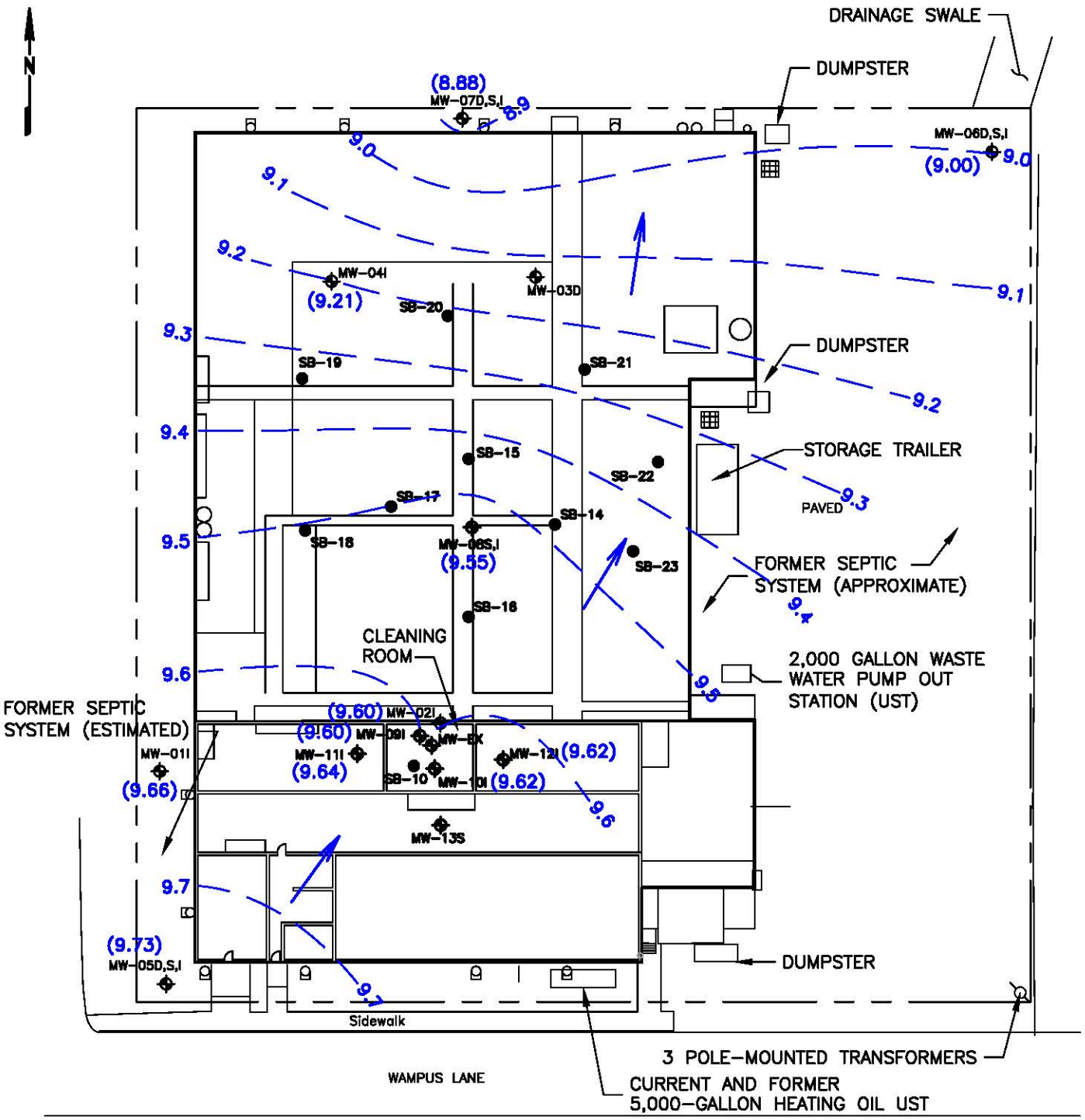


**LEGEND**

- ● SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- (9.50) GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW

GROUNDWATER DEPTHS MEASURED ON MAY 07, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

0 25 50
Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Intermediate Wells (May 2011)<br>Project 3610-11-0095<br>Figure 4 |
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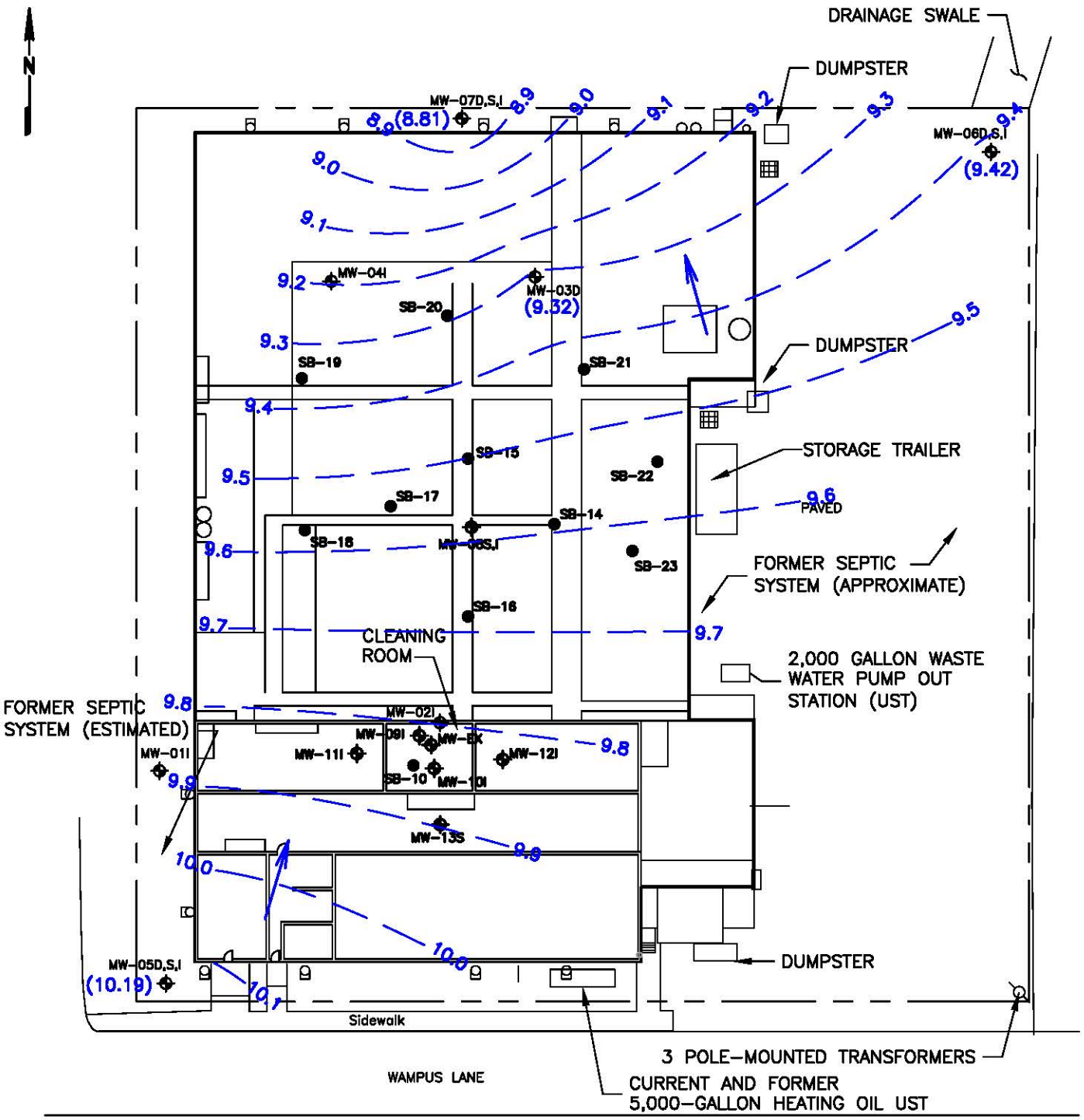


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- ● SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- (9.50) GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW

GROUNDWATER DEPTHS MEASURED ON MAY 13, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Deep Wells (May 2011)<br>Project 3610-11-0095<br>Figure 5 |
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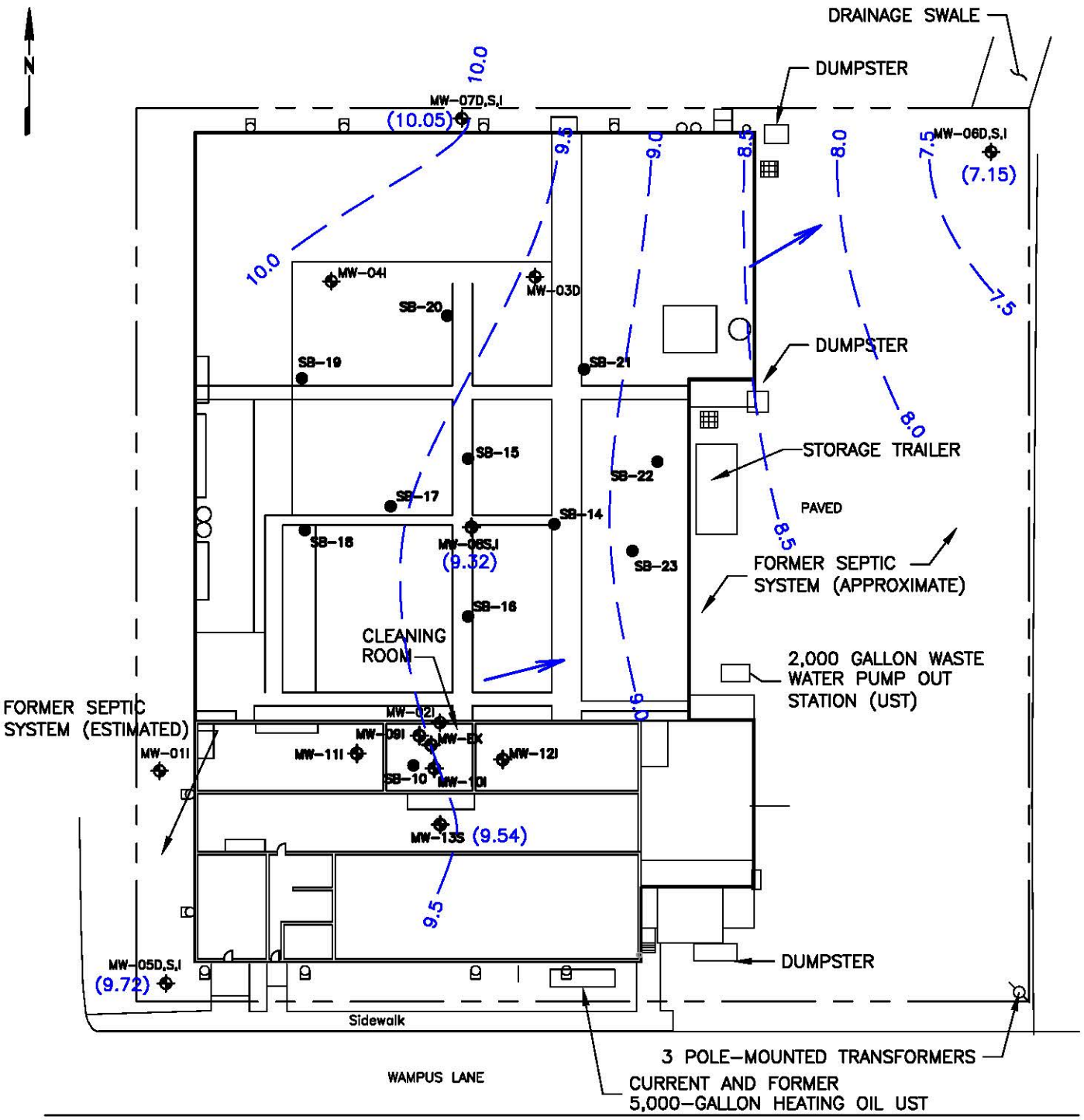


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- (9.50) GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW

GROUNDWATER DEPTHS MEASURED ON JULY 07, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Shallow Wells (July 2011)<br>Project 3610-11-0095<br>Figure 6 |
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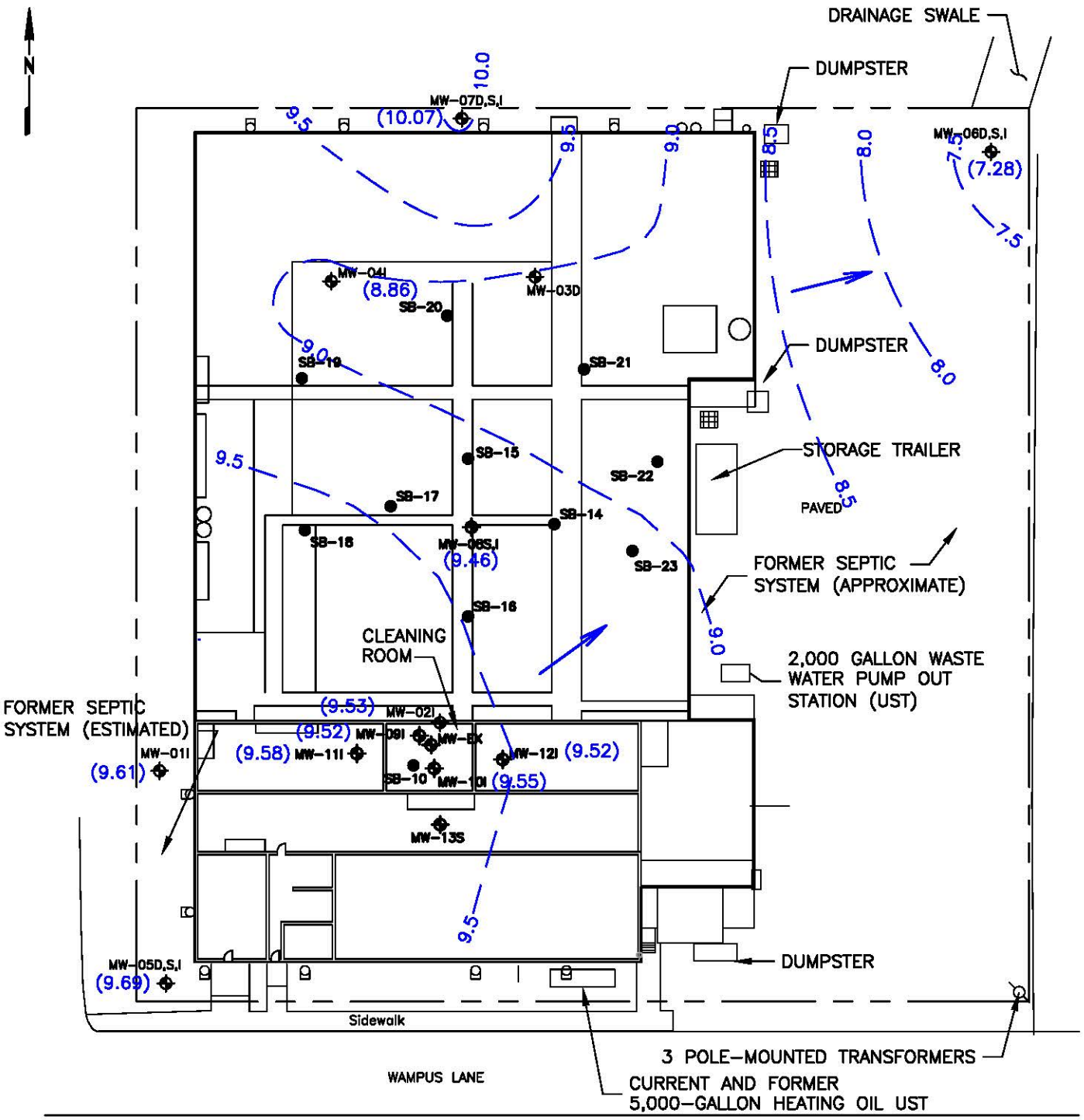


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- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- (9.50) GROUNDWATER ELEVATION
- INFERRED GROUNDWATER FLOW

GROUNDWATER DEPTHS MEASURED ON JULY 07, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

Prepared/Date: JVM 12/22/11
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Trans-Lite, Inc.
120 Wampus Lane, Milford CT

amec

Groundwater Contour Map
Intermediate Wells (July 2011)
Project 3610-11-0095
Figure 7

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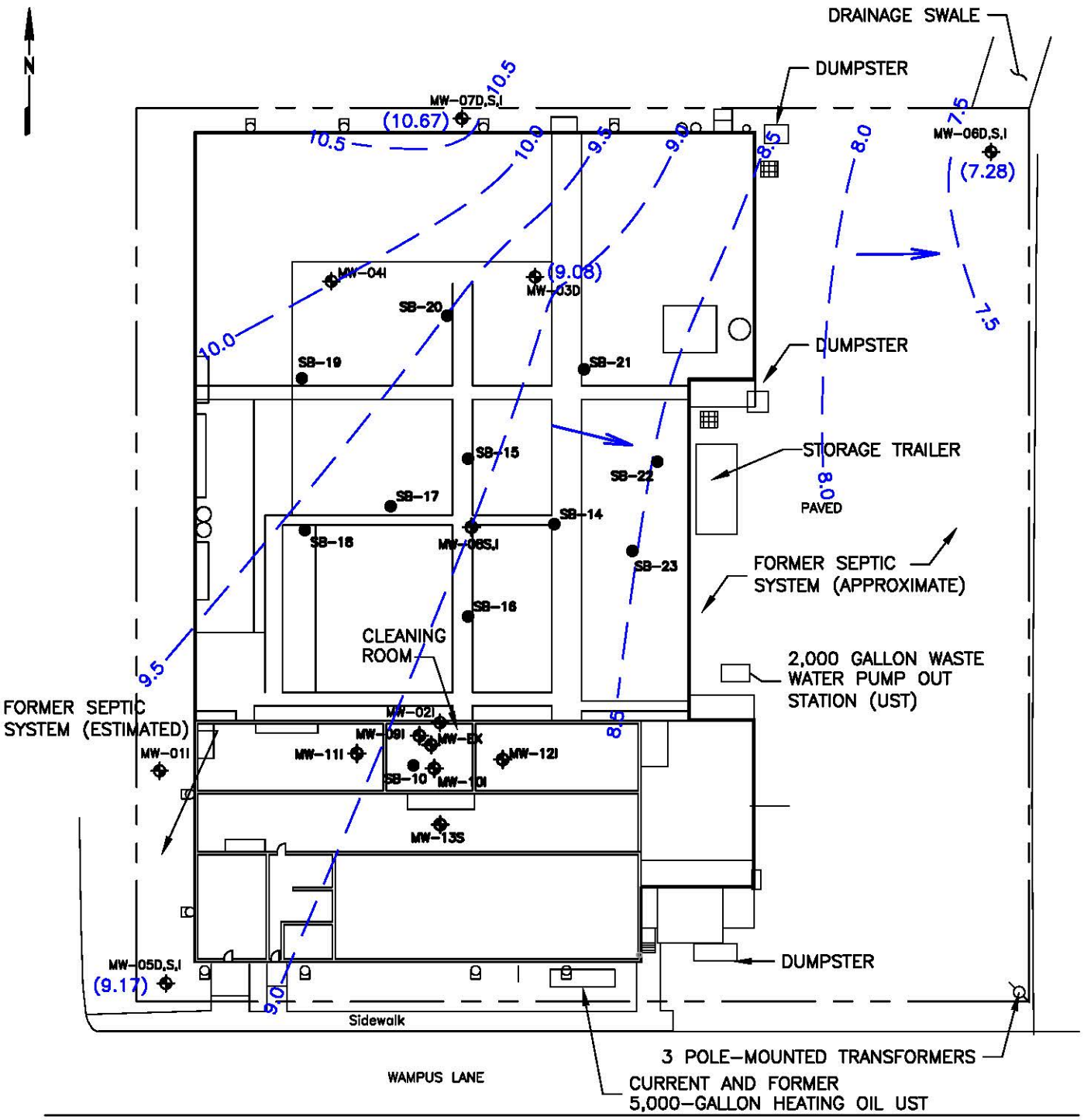


LEGEND

- SOIL BORING
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- (9.50) GROUNDWATER ELEVATION
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GROUNDWATER DEPTHS MEASURED ON JULY 07, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

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| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Deep Wells (July 2011)<br>Project 3610-11-0095<br>Figure 8 |
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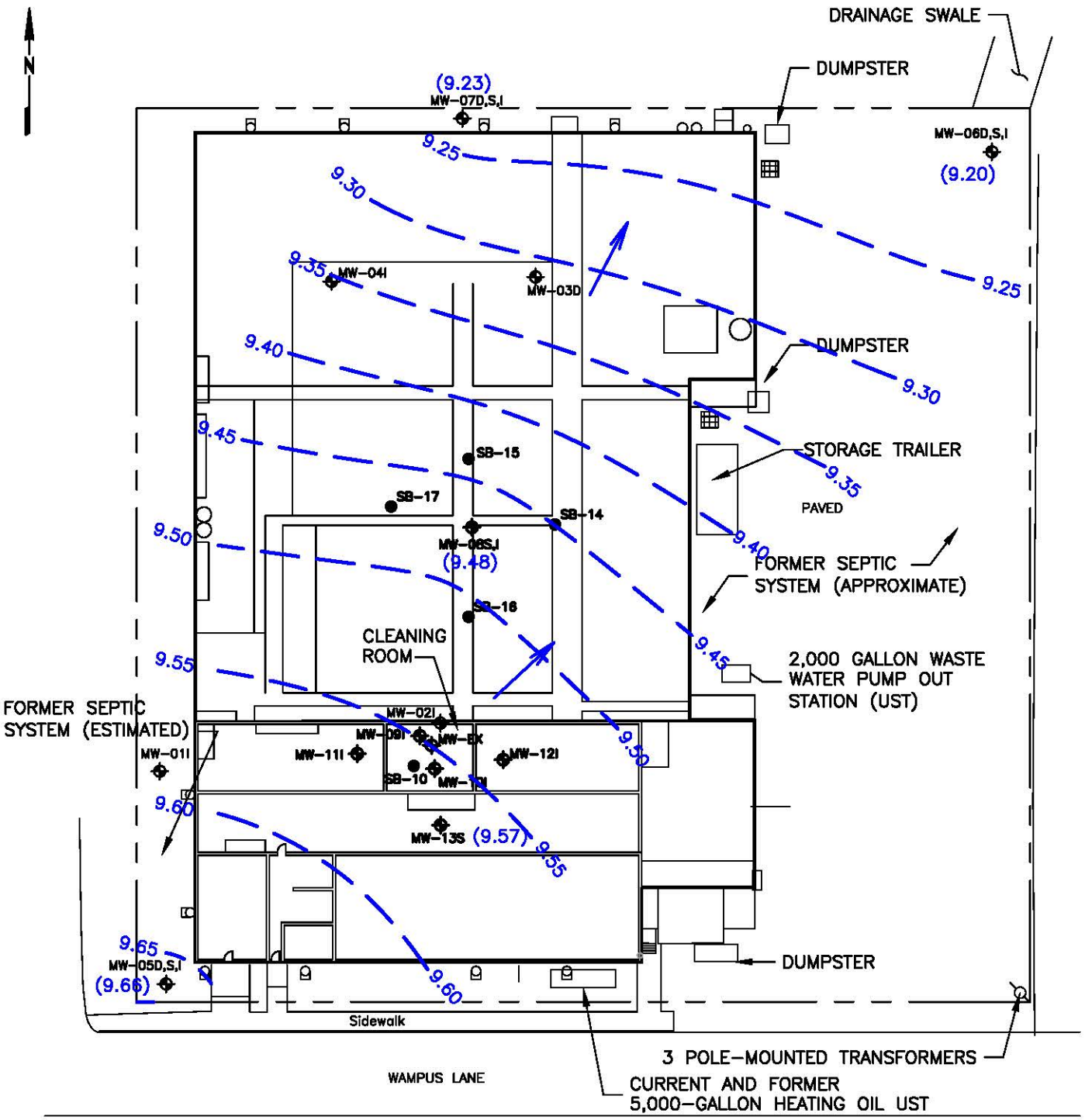


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GROUNDWATER DEPTHS MEASURED ON DECEMBER 2, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

Prepared/Date: JVM 12/22/11
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| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Shallow Wells (December 2011)<br>Project 3610-11-0095<br>Figure 9 |
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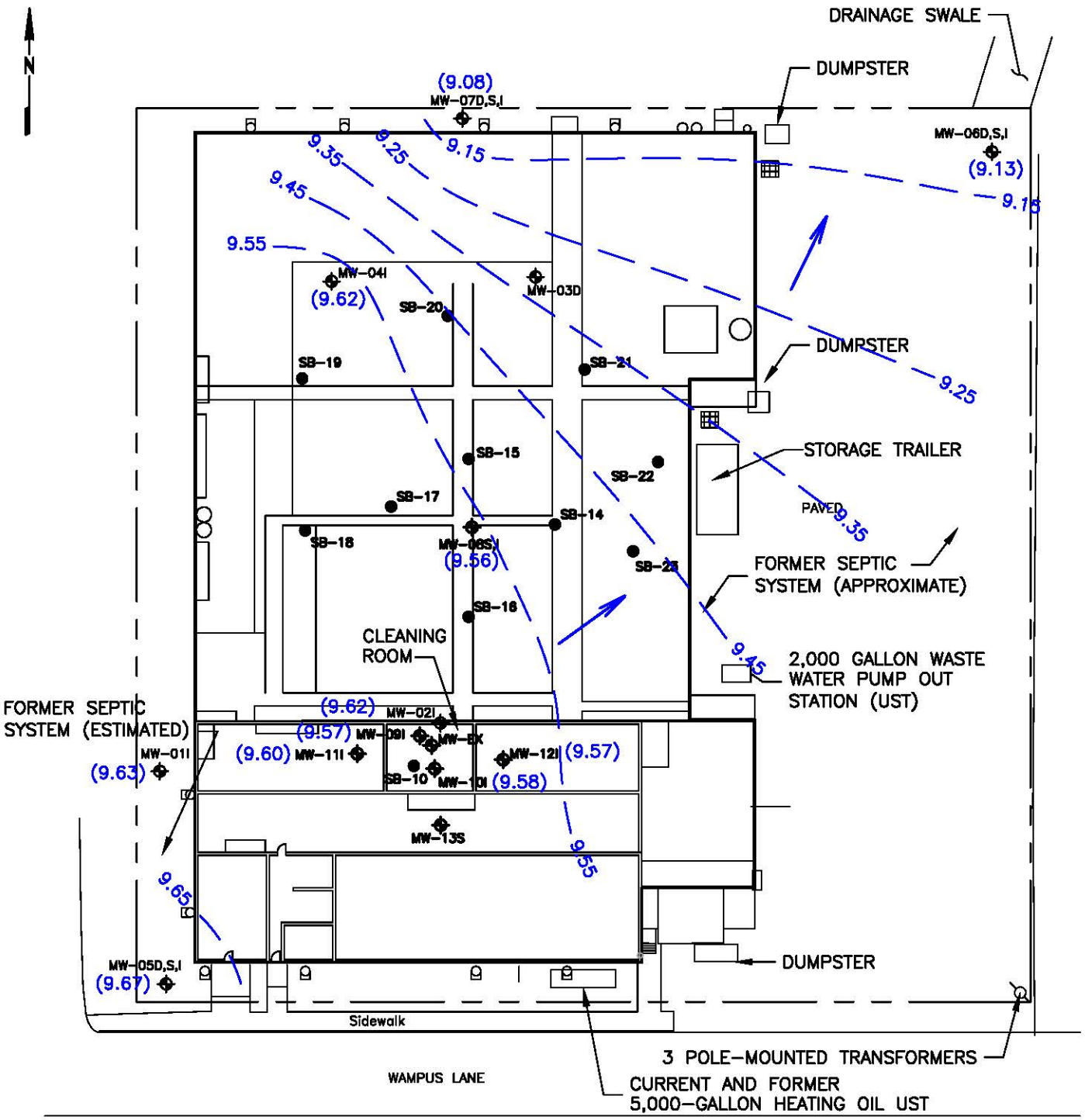


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GROUNDWATER DEPTHS MEASURED ON DECEMBER 2, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

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| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Intermediate Wells (December 2011)<br>Project 3610-11-0095<br>Figure 10 |
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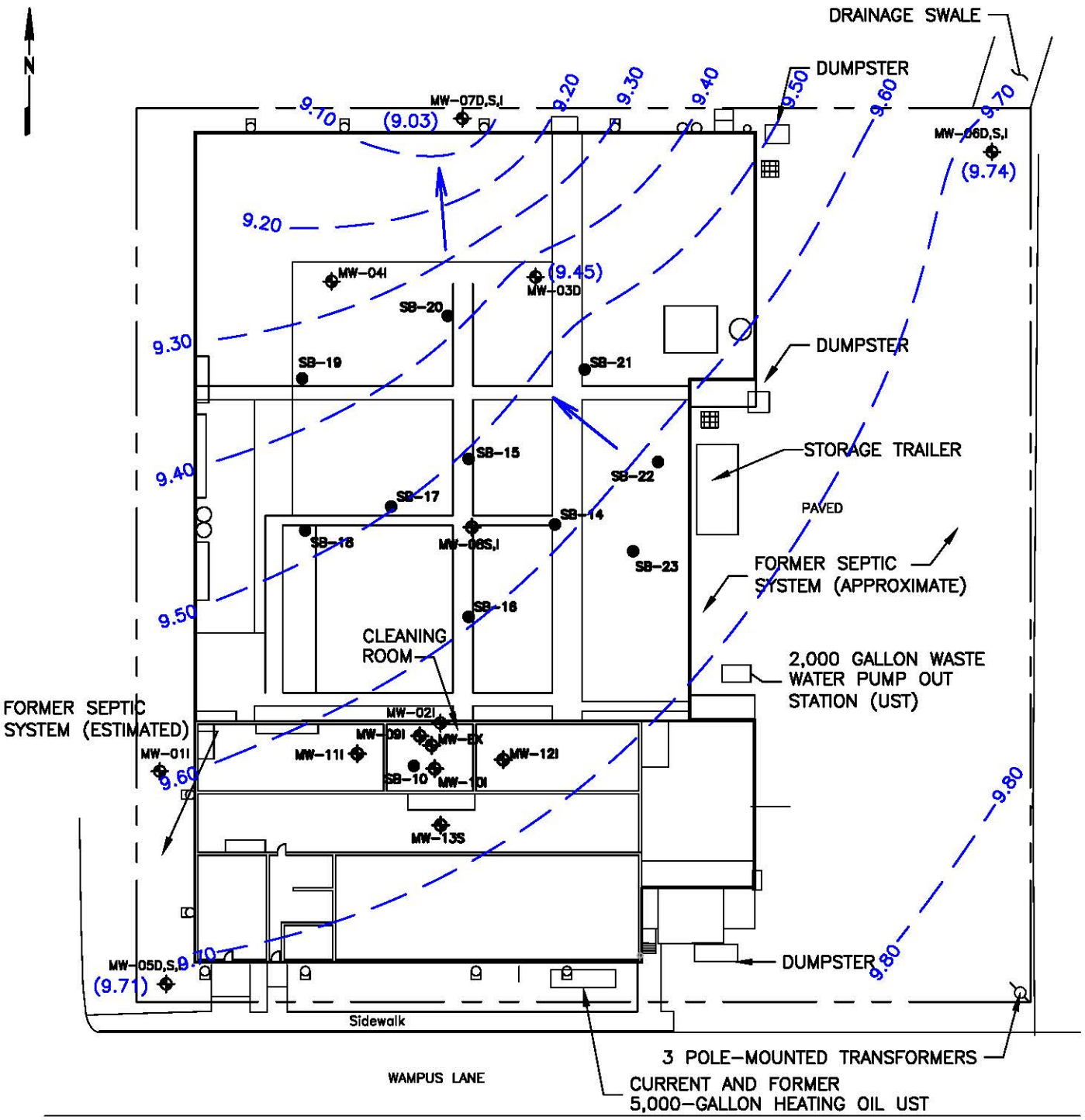


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GROUNDWATER DEPTHS MEASURED ON DECEMBER 2, 2011.

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

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Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Contour Map<br>Deep Wells (December 2011)<br>Project 3610-11-0095<br>Figure 11 |
|---|---|---|

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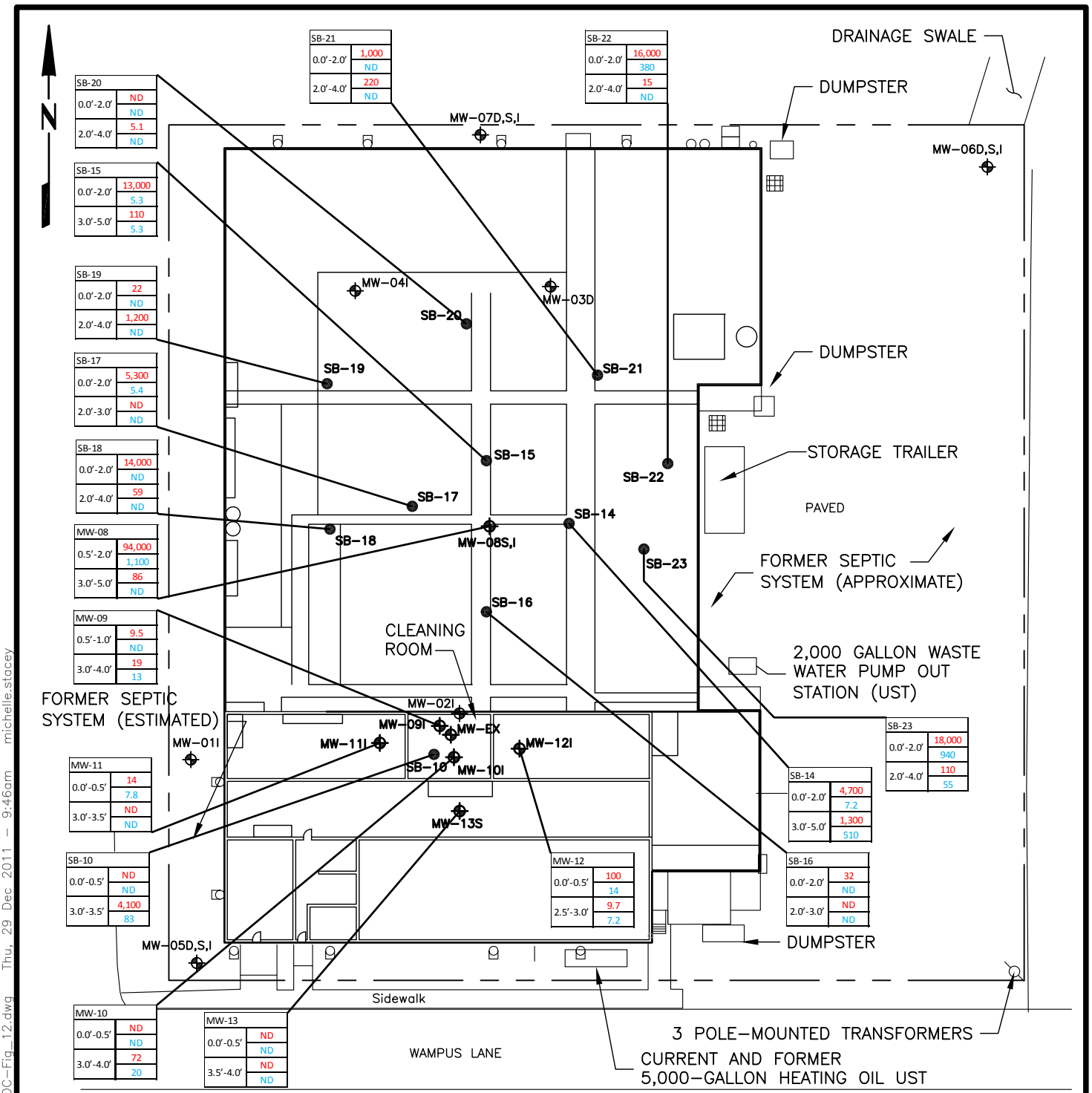


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL

RED = PCE CONCENTRATION ug/l
BLUE = 1,1,1-TCA CONCENTRATION ug/l
ND = NOT DETECTED

0 25 50
Scale in feet

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

Trans-Lite, Inc.
120 Wampus Lane, Milford CT

amec

Soil Sample Findings

Project 3610-11-0095
Figure 12

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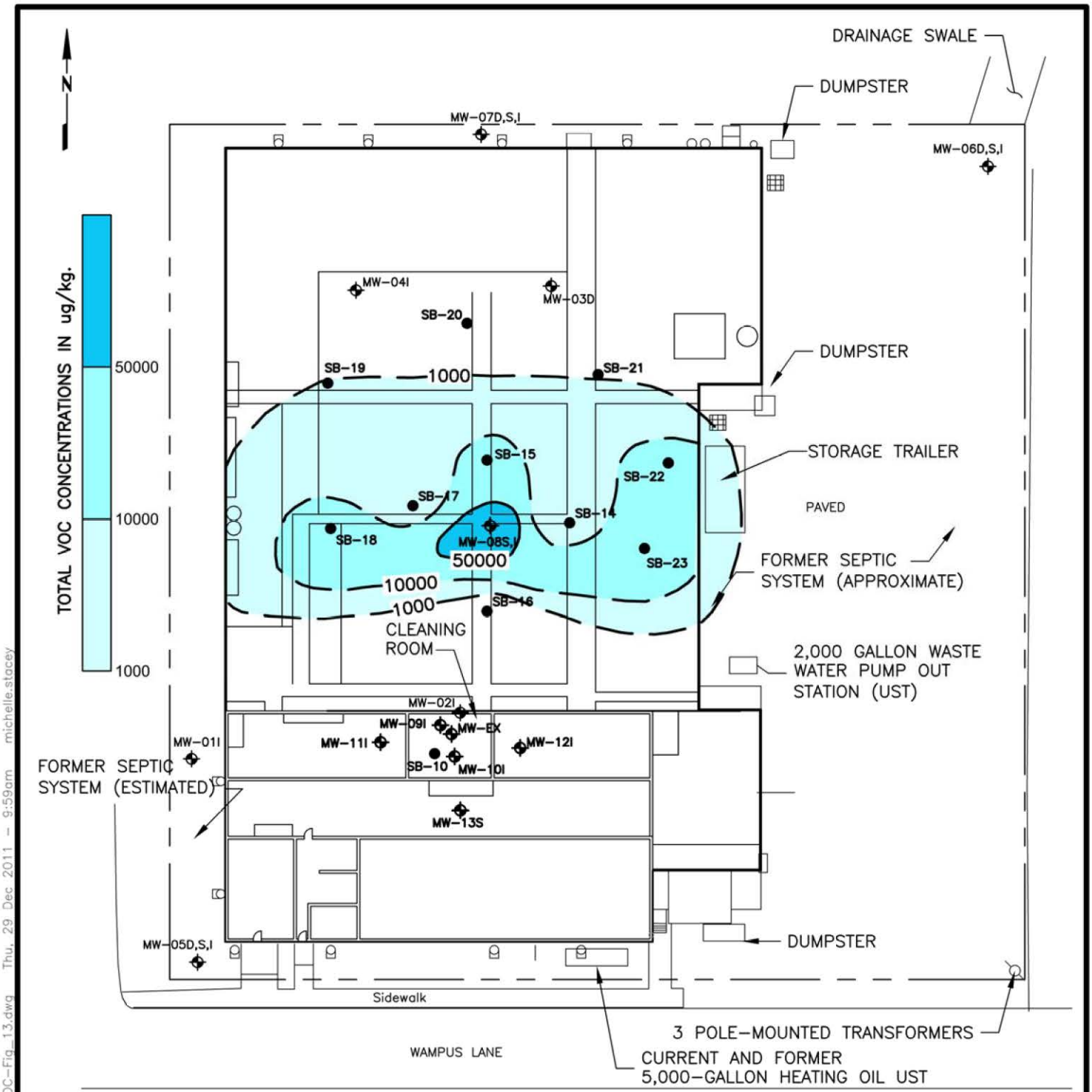


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- 1000 — INFERRED VOC CONCENTRATION CONTOUR

0 25 50
Scale in feet

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Total VOC Concentrations in Unsaturated Soil<br>Project 3610-11-0095<br>Figure 13 |
|---|---|---|

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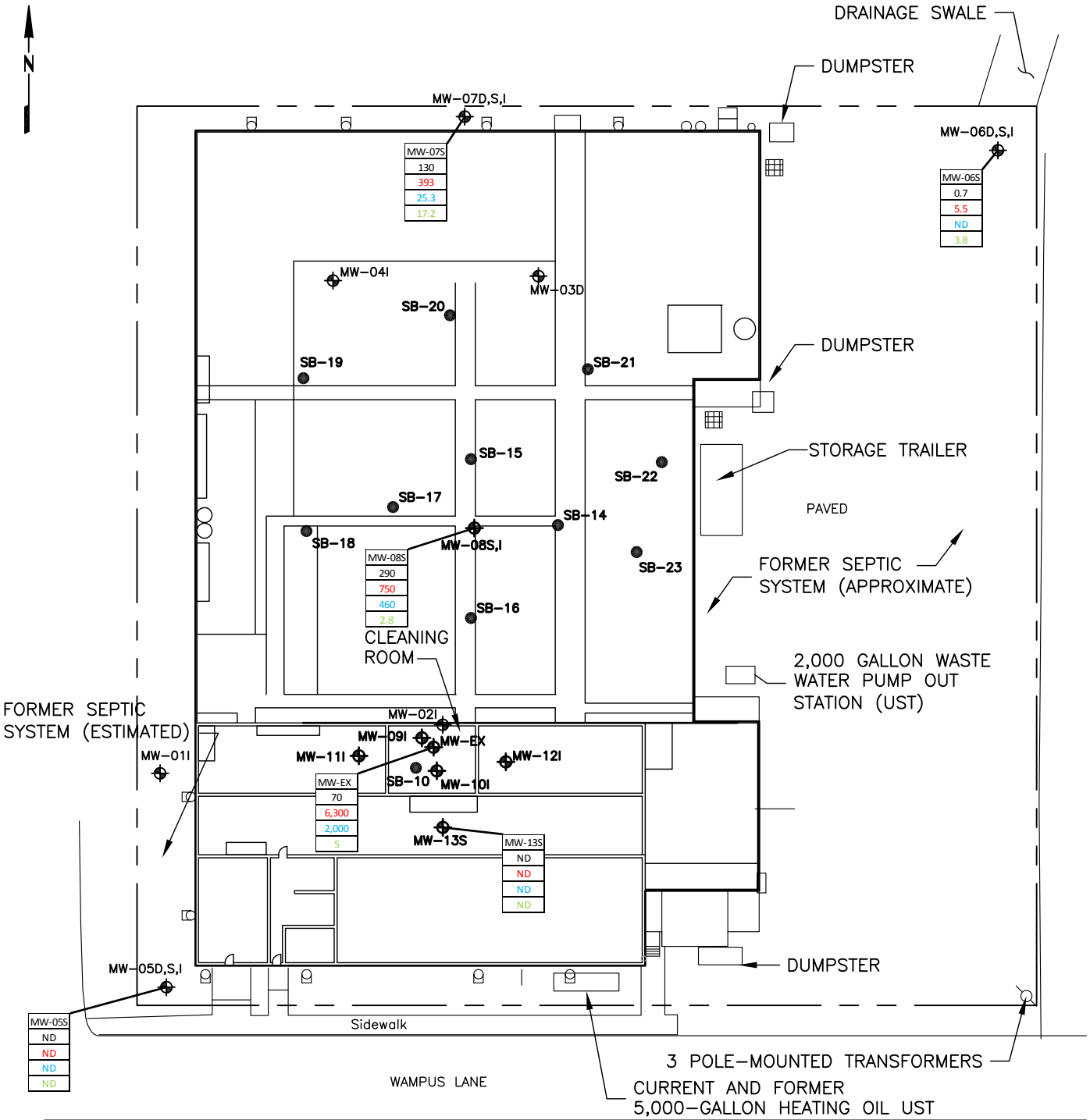


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL

BLACK = 1,1-DCE CONCENTRATION ug/l
RED = PCE CONCENTRATION ug/l
BLUE = 1,1,1-TCA CONCENTRATION ug/l
GREEN = TCE CONCENTRATION ug/l
ND = NOT DETECTED

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

0 25 50
Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Findings<br>Shallow Zone<br>Project 3610-11-0095<br>Figure 14 |
|---|---|---|

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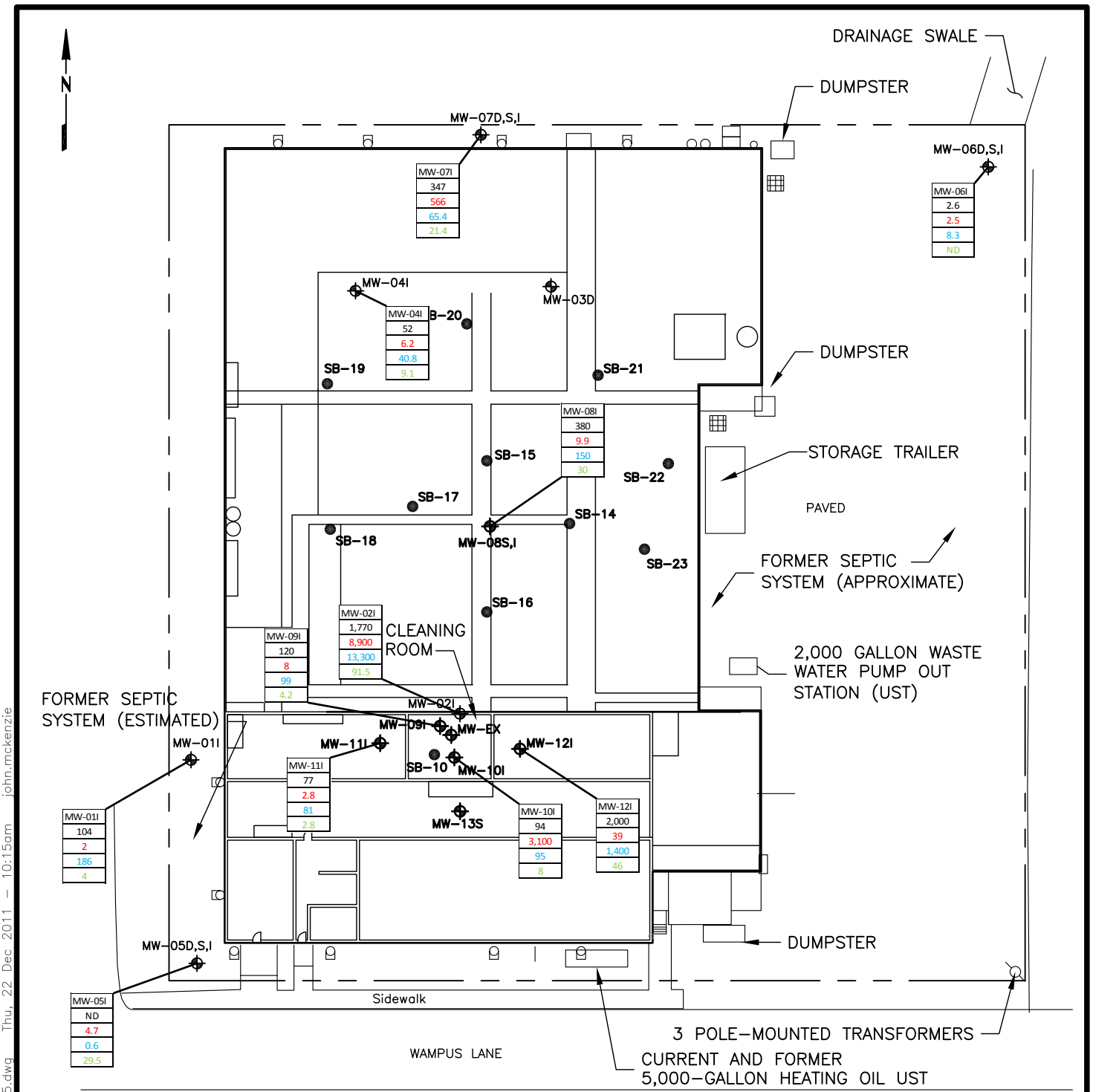


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL

BLACK = 1,1-DCE CONCENTRATION ug/l
RED = PCE CONCENTRATION ug/l
BLUE = 1,1,1-TCA CONCENTRATION ug/l
GREEN = TCE CONCENTRATION ug/l
ND = NOT DETECTED

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

0 25 50
Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Findings<br>Intermediate Zone<br>Project 3610-11-0095<br>Figure 15 |
|---|---|---|

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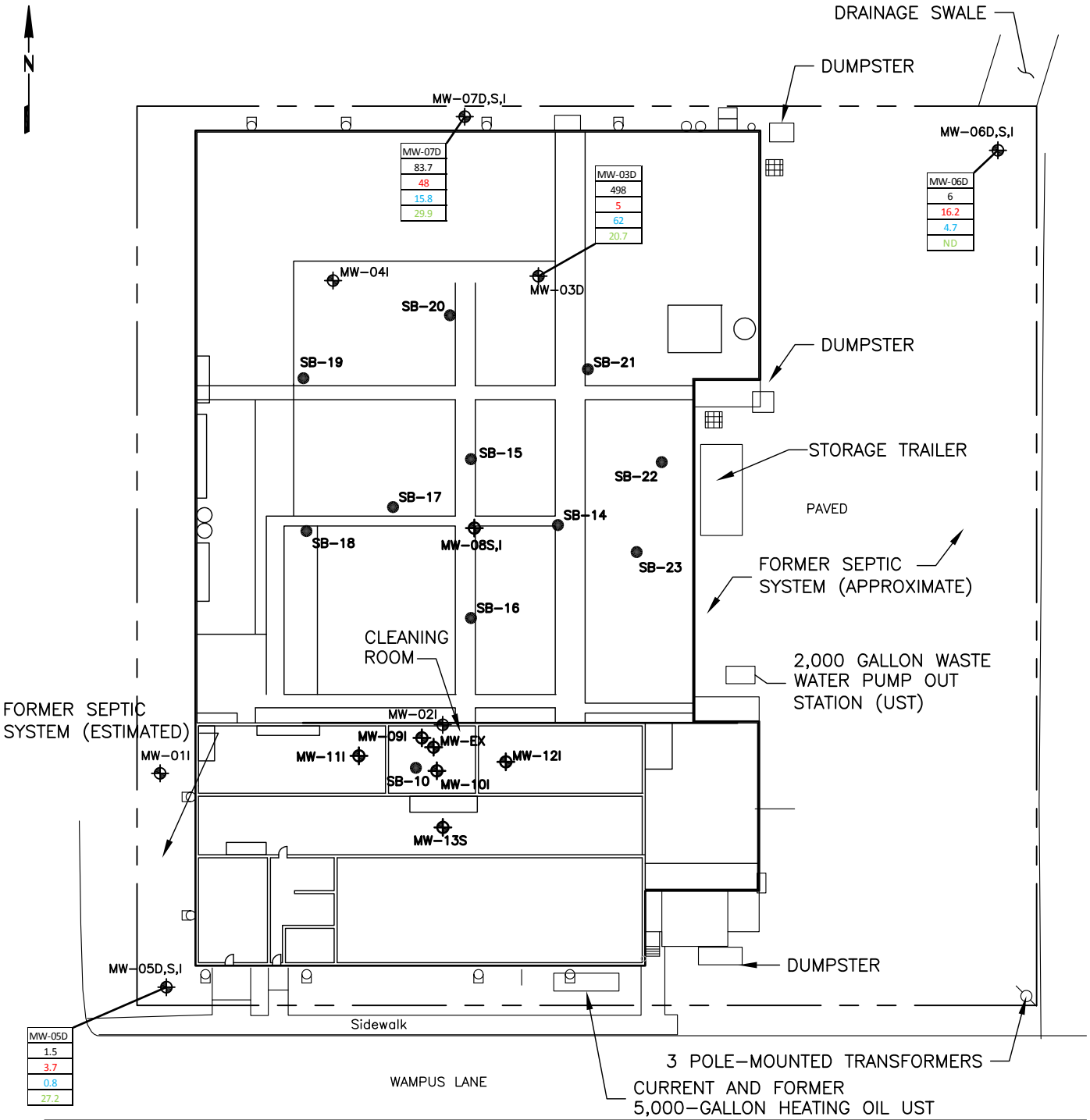


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL

BLACK = 1,1-DCE CONCENTRATION ug/l
RED = PCE CONCENTRATION ug/l
BLUE = 1,1,1-TCA CONCENTRATION ug/l
GREEN = TCE CONCENTRATION ug/l
ND = NOT DETECTED

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

0 25 50
Scale in feet

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Groundwater Findings<br>Deep Zone<br>Project 3610-11-0095<br>Figure 16 |
|---|---|---|

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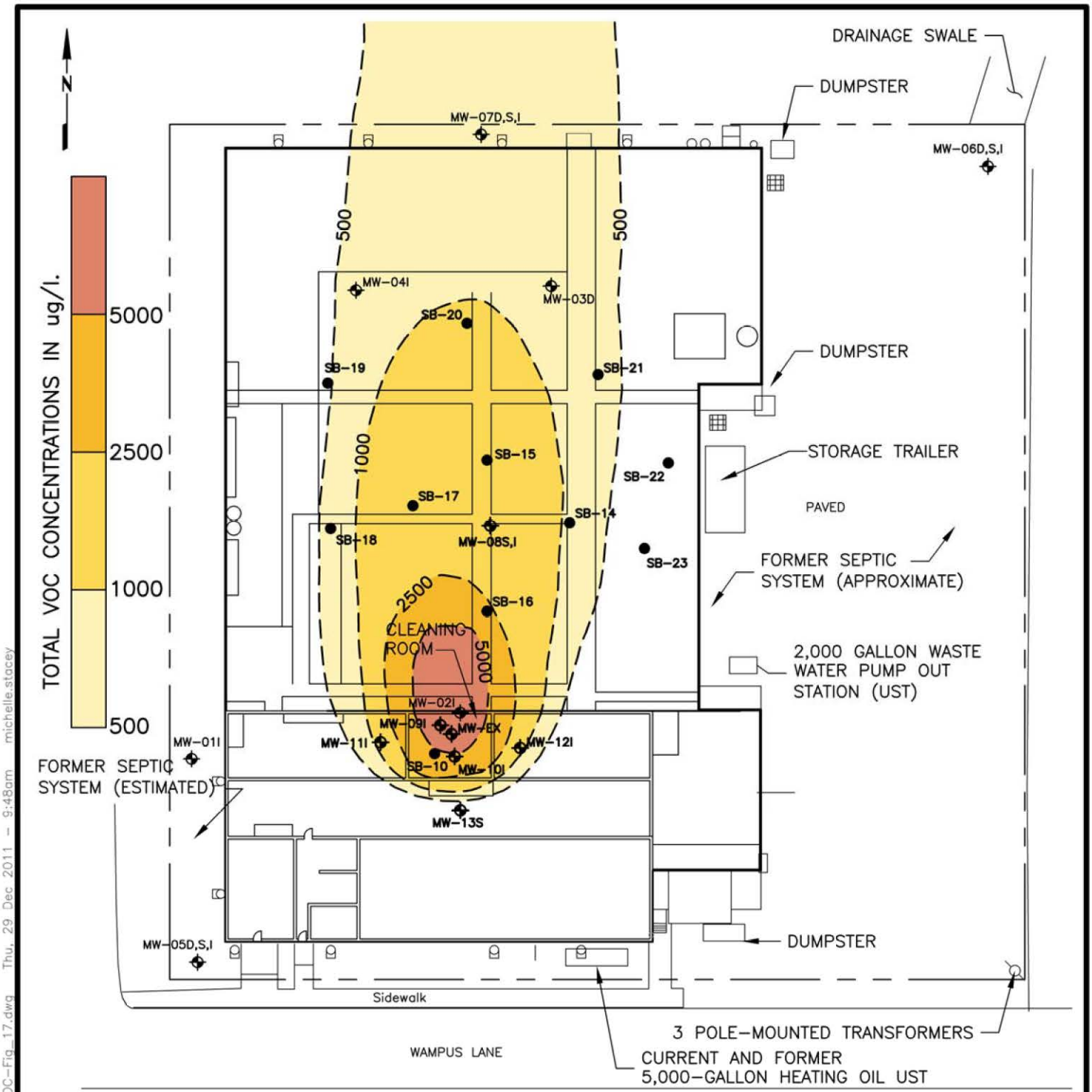


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- 500 — INFERRED VOC CONCENTRATION CONTOUR

0 25 50
Scale in feet

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Total VOC Concentration Contours<br>Shallow Groundwater Zone<br>Project 3610-11-0095<br>Figure 17 |
|---|---|---|

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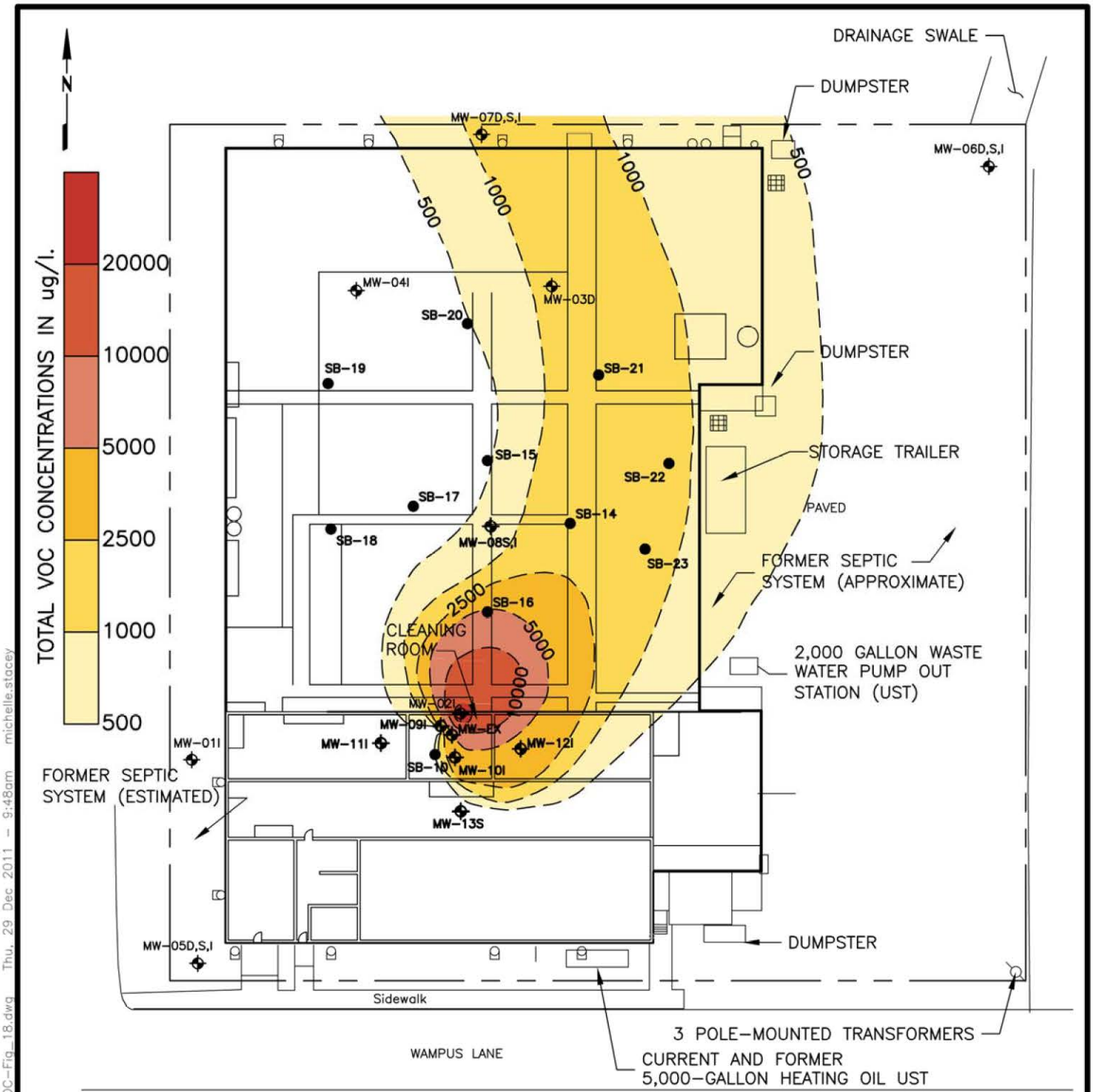


LEGEND

- SOIL BORING
- ROOF DRAIN
- STORM DRAIN
- APPROXIMATE PROPERTY BOUNDARY
- GROUNDWATER MONITORING WELL
- 500 — INFERRED VOC CONCENTRATION CONTOUR

0 25 50
Scale in feet

BASE MAP SOURCE:
Fuss & O'Neill Inc., Consulting Engineers. Figure Titled, "Site Plan Sample Location and Cross Section Line", Dated Feb. 2002.

Prepared/Date: JVM 12/22/11
Checked/Date: JRY 12/22/11

| Trans-Lite, Inc.<br>120 Wampus Lane, Milford CT | amec | Total VOC Concentration Contours<br>Intermediate Groundwater Zone<br>Project 3610-11-0095<br>Figure 18 |
|---|---|---|

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# TABLES

**TABLE 1**
**GROUNDWATER WELL DETAILS**
**Trans-Lite, Inc, 120 Wampus Lane, Milford, Connecticut**

| Well ID | Date Installed | Screened Interval (feet below ground surface) | Unit Screened | Designation | Measuring Point Elevation (feet) | Depth-to-Groundwater (feet below measuring point) | Relative Groundwater Elevation (ft) | Depth-to-Groundwater (feet below measuring point) | Relative Groundwater Elevation (ft) | Depth-to-Groundwater (feet below measuring point) | Relative Groundwater Elevation (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | May 13, 2011 | | July 7, 2011 | | December 2, 2011 | |
| MW-01I | 10/29/98 | 7 - 17 | Upper Sand - Upper 7 ft<br>Middle Aquitard - Lower 3 ft | Intermediate | 13.95 | 4.29 | 9.66 | 4.34 | 9.61 | 4.32 | 9.63 |
| MW-02I | 05/11/99 | 23 - 28 | Base of Upper Sand | Intermediate | 12.99 | 3.39 | 9.60 | 3.46 | 9.53 | 3.37 | 9.62 |
| MW-03D | 05/11/99 | 23 - 28 | Middle Aquitard | Deep | 13.04 | 3.72 | 9.32 | 3.96 | 9.08 | 3.59 | 9.45 |
| MW-04I | 05/11/99 | 18 - 28 | Upper Sand - Upper 7 ft<br>Middle Aquitard - Lower 3 ft | Intermediate | 13.06 | 3.85 | 9.21 | 4.21 | 8.85 | 3.44 | 9.62 |
| MW-05S | 08/13/01 | 13 - 23 | Upper Sand | Shallow | 21.63 | 11.80 | 9.83 | 11.91 | 9.72 | 11.97 | 9.66 |
| MW-05I | 08/13/01 | 28 - 30 | Base of Upper Sand | Intermediate | 21.22 | 11.49 | 9.73 | 11.53 | 9.69 | 11.55 | 9.67 |
| MW-05D | 08/13/01 | 40 - 42 | Middle Aquitard | Deep | 21.59 | 11.45 | 10.14 | 12.42 | 9.17 | 11.88 | 9.71 |
| MW-06S | 08/14/01 | 2 - 12 | Upper Sand | Shallow | 10.59 | 1.58 | 9.01 | 3.44 | 7.15 | 1.39 | 9.20 |
| MW-06I | 08/14/01 | 20 - 22 | Base of Upper Sand | Intermediate | 10.59 | 1.59 | 9.00 | 3.31 | 7.28 | 1.46 | 9.13 |
| MW-06D | 08/14/01 | 34 - 36 | Middle Aquitard | Deep | 10.63 | 1.21 | 9.42 | 3.35 | 7.28 | 0.89 | 9.74 |
| MW-07S | 08/13/01 | 3 - 13 | Upper Sand | Shallow | 12.14 | 3.07 | 9.07 | 2.09 | 10.05 | 2.91 | 9.23 |
| MW-07I | 08/13/01 | 22 - 24 | Upper Sand | Intermediate | 12.13 | 3.25 | 8.88 | 2.06 | 10.07 | 3.05 | 9.08 |
| MW-07D | 08/13/01 | 30 - 32 | Middle Aquitard | Deep | 12.16 | 3.35 | 8.81 | 1.49 | 10.67 | 3.13 | 9.03 |
| MW-EX | 08/07/02 | 0 - 8 | Upper Sand | Shallow | -- | 3.43 | -- | 3.52 | -- | -- | -- |
| MW-08S | 05/09/11 | 2 - 12 | Upper Sand | Shallow | 12.93 | 3.45 | 9.48 | 3.61 | 9.32 | 3.45 | 9.48 |
| MW-08I | 05/09/11 | 20 - 30 | Base of Upper Sand | Intermediate | 12.87 | 3.32 | 9.55 | 3.41 | 9.46 | 3.31 | 9.56 |
| MW-09I | 05/10/11 | 18 - 28 | Base of Upper Sand | Intermediate | 12.88 | 3.28 | 9.60 | 3.36 | 9.52 | 3.31 | 9.57 |
| MW-10I | 05/11/11 | 18 - 28 | Base of Upper Sand | Intermediate | 12.96 | 3.34 | 9.62 | 3.41 | 9.55 | 3.38 | 9.58 |
| MW-11I | 05/11/11 | 18 - 28 | Base of Upper Sand | Intermediate | 13.05 | 3.41 | 9.64 | 3.47 | 9.58 | 3.45 | 9.60 |
| MW-12I | 05/12/11 | 18 - 28 | Base of Upper Sand | Intermediate | 12.98 | 3.36 | 9.62 | 3.46 | 9.52 | 3.41 | 9.57 |
| MW-13S | 05/12/11 | 2 - 12 | Upper Sand | Shallow | 13.22 | 3.59 | 9.63 | 3.68 | 9.54 | 3.65 | 9.57 |

**Notes:**
ft - feet

Prepared by: JRY
Checked by: MDN

**TABLE 2**
**Investigation Sample Summary - Total VOC Results in Soil**
**Trans-Lite, Inc., 120 Wampus Lane, Milford, Connecticut**

| Sample ID: | | | | MW-08 (0.5-2.0) | MW-08 (3.0-5.0) | MW-09 (0.5-1.0) | MW-09 (3.0-4.0) | SB-10 (0.0-0.5) | SB-10 (3.0-3.5) | MW-10 (0.0-0.5) | MW-10 (3.0-4.0) | MW-11 (0.0-0.5) | MW-11 (3.0-3.5) | MW-12 (0.0-0.5) | MW-12 (2.5-3.0) | MW-13 (0.0-0.5) | MW-13 (3.5-4.0) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | | MW-08 | MW-08 | MW-09 | MW-09 | SB-10 | SB-10 | MW-10 | MW-10 | MW-11 | MW-11 | MW-12 | MW-12 | MW-13 | MW-13 |
| Sample Depth (ft.): | Connecticut RSR Criteria | | | 0.5 - 2.0 | 3.0 - 5.0 | 0.5 - 1.0 | 3.0 - 4.0 | 0.0 - 0.5 | 3.0 - 3.5 | 0.0 - 0.5 | 3.0 - 4.0 | 0.0 - 0.5 | 3.0 - 3.5 | 0.0 - 0.5 | 2.5 - 3.0 | 0.0 - 0.5 | 3.5 - 4.0 |
| Sample Date: | RDEC | I/C DEC | GB PMC | 05/09/11 | 05/09/11 | 05/09/11 | 05/09/11 | 05/10/11 | 05/10/11 | 05/11/11 | 05/11/11 | 05/11/11 | 05/11/11 | 05/12/11 | 05/12/11 | 05/12/11 | 05/12/11 |
| **Volatile Organic Compounds - SW846 8260B, ug/kg** | | | | | | | | | | | | | | | | | |
| Acetone | 500,000 | 1,000,000 | 140,000 | <5,100 | <100 | <110 | <110 | <120 | <140 | <110 | <100 | <150 | <225 | <110 | <140 | <100 | <130 |
| Acrylonitrile | 1,100 | 11,000 | 100 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Benzene | 21,000 | 200,000 | 200 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Bromobenzene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Bromochloromethane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Bromodichloromethane | 9,900 | 92,000 | 110 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Bromoform | 78,000 | 720,000 | 800 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Bromomethane | 95,000 | 1,000,000 | 2,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| n-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| sec-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| tert-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Carbon disulfide | 500,000 | 1,000,000 | 140,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Carbon tetrachloride | 4,700 | 44,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Chlorobenzene | 500,000 | 1,000,000 | 20,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Chloroethane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Chloroform | 100,000 | 940,000 | 1,200 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Chloromethane | 47,000 | 440,000 | 540 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 2-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 4-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Dibromochloromethane | 7,300 | 68,000 | 100 | <150 | <3.1 | <3.2 | <3.4 | <3.6 | <4.1 | <3.3 | <3.1 | <3.0 | <4.0 | <3.4 | <4.2 | <3.1 | <3.8 |
| Dibromoethane | 7 | 67 | 100 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Dibromomethane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2-Dibromo-3-chloropropane | 440 | 4,100 | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2-Dichlorobenzene | 500,000 | 1,000,000 | 3,100 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,3-Dichlorobenzene | 500,000 | 1,000,000 | 120,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,4-Dichlorobenzene | 26,000 | 240,000 | 15,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Dichlorodifluoromethane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1-Dichloroethane | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2-Dichloroethane | 6,700 | 63,000 | 200 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1-Dichloroethene | 1,000 | 9,500 | 1,400 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| cis-1,2-Dichloroethene | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| trans-1,2-Dichloroethene | 500,000 | 1,000,000 | 20,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| trans-1,4-Dichloro-2-butene | -- | -- | -- | <510 | <10 | <11 | <11 | <12 | <14 | <11 | <10 | <10 | <13 | <11 | <14 | <10 | <13 |
| 1,2-Dichloropropane | 9,000 | 84,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,3-Dichloropropane | 3,400 | 32,000 | 100 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 2,2-Dichloropropane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1-Dichloropropene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| cis-1,3-Dichloropropene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| trans-1,3-Dichloropropene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Ethylbenzene | 500,000 | 1,000,000 | 10,100 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Hexachlorobutadiene | 7,900 | 73,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 2-Hexanone | -- | -- | -- | <1,300 | <26 | <26 | <29 | <30 | <36 | <27 | <26 | <25 | <33 | <28 | <35 | <26 | <32 |
| Isopropylbenzene | 500,000 | 1,000,000 | 132,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| p-Isopropyltoluene | 500,000 | 1,000,000 | 41,800 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 2-Isopropyltoluene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Methylene chloride | 82,000 | 760,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 4-Methyl-2-pentanone | 500,000 | 1,000,000 | 14,000 | <1,300 | <26 | <26 | <29 | <30 | <34 | <27 | <26 | <25 | <33 | <28 | <35 | <26 | <32 |
| Methyl Ethyl Ketone | 500,000 | 1,000,000 | 80,000 | <1,500 | <31 | <32 | <34 | <36 | <41 | <33 | <31 | <30 | <40 | <34 | <42 | <31 | <38 |
| Methyl tert-butyl ether | 500,000 | 1,000,000 | 20,000 | <510 | <10 | <11 | <11 | <12 | <14 | <11 | <10 | <10 | <13 | <11 | <14 | <10 | <13 |
| Naphthalene | 1,000,000 | 2,500,000 | 56,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| n-Propylbenzene | 500,000 | 1,000,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Styrene | 500,000 | 1,000,000 | 20,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1,1,2-Tetrachloroethane | 24,000 | 220,000 | 200 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1,2,2-Tetrachloroethane | 3,100 | 29,000 | 100 | <150 | <3.1 | <3.2 | <3.4 | <3.6 | <4.1 | <3.3 | <3.1 | <3.0 | <4.0 | <3.4 | <4.2 | <3.1 | <3.8 |
| Tetrachloroethene | 12,000 | 110,000 | 1,000 | **94,000** | **86** | **9.5** | **19** | <6.0 | **4,100** | <5.5 | **72** | **14** | <6.7 | **100** | **9.7** | <5.2 | <6.3 |
| Tetrahydrofuran | -- | -- | -- | <510 | <10 | <11 | <11 | <12 | <14 | <11 | <10 | <10 | <13 | <11 | <14 | <10 | <13 |
| Toluene | 500,000 | 1,000,000 | 67,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2,3-Trichlorobenzene | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2,4-Trichlorobenzene | 680,000 | 2,500,000 | 14,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,1,1-Trichloroethane | 500,000 | 1,000,000 | 40,000 | **1,100** | <5.1 | <5.3 | **13** | <6.0 | **83** | <5.5 | **20** | **7.8** | <6.7 | **14** | **7.2** | <5.2 | <6.3 |
| 1,1,2-Trichloroethane | 11,000 | 100,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Trichloroethene | 56,000 | 520,000 | 1,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Trichlorofluoromethane | 500,000 | 1,000,000 | 260,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2,3-Trichloropropane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Trichlorotrifluoroethane | -- | -- | -- | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,2,4-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| 1,3,5-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Vinyl chloride | 320 | 3,000 | 400 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |
| Xylenes (total) | 500,000 | 1,000,000 | 19,500 | <250 | <5.1 | <5.3 | <5.7 | <6.0 | <6.9 | <5.5 | <5.1 | <5.0 | <6.7 | <5.6 | <7.0 | <5.2 | <6.3 |

**Notes:**
RSR = Connecticut Remediation Standard Regulations
Connecticut RSR Criteria = For comparative purposes, these numeric criteria include CTDEP 2005 Approved Additional Polluting Substances values where RSR criteria do not exist.
RDEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for "GB" classified areas
ug/kg = micrograms per kilogram
-- = No applicable criteria for this constituent
**Bold** = result above reporting limit
Shaded result exceeds one or more of the RSR criteria



Prepared by: JRY
Checked by: MDN

**TABLE 2**
**Investigation Sample Summary - Total VOC Results in Soil**
**Trans-Lite, Inc., 120 Wampus Lane, Milford, Connecticut**

| Sample ID: | | | | SB-1402 | SB-1435 | SB-1502 | SB-1535 | SB-1602 | SB-1623 | SB-1702 | SB-1723 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | | SB-14 | SB-14 | SB-15 | SB-15 | SB-16 | SB-16 | SB-17 | SB-17 |
| Sample Depth (ft.): | Connecticut RSR Criteria | | | 0.0-2.0 | 3.0-5.0 | 0.0-2.0 | 3.0-5.0 | 0.0-2.0 | 2.0-3.0 | 0.0-2.0 | 2.0-3.0 |
| Sample Date: | RDEC | I/C DEC | GB PMC | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 |
| **Volatile Organic Compounds - SW846 8260B, ug/kg** | | | | | | | | | | | |
| Acetone | 500,000 | 1,000,000 | 140,000 | <110 | <110 | <88 | <98 | <89 | <82 | <93 | <130 |
| Acrylonitrile | 1,100 | 11,000 | 100 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Benzene | 21,000 | 200,000 | 200 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Bromobenzene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Bromochloromethane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Bromodichloromethane | 9,900 | 92,000 | 110 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Bromoform | 78,000 | 720,000 | 800 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Bromomethane | 95,000 | 1,000,000 | 2,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| n-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| sec-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| tert-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Carbon disulfide | 500,000 | 1,000,000 | 140,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Carbon tetrachloride | 4,700 | 44,000 | 1,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Chlorobenzene | 500,000 | 1,000,000 | 20,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Chloroethane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Chloroform | 100,000 | 940,000 | 1,200 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Chloromethane | 47,000 | 440,000 | 540 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 2-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 4-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Dibromochloromethane | 7,300 | 68,000 | 100 | <3.2 | <3.2 | <2.6 | <2.9 | <2.7 | <2.5 | <2.8 | <3.9 |
| Dibromoethane | 7 | 67 | 100 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Dibromomethane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2-Dibromo-3-chloropropane | 440 | 4,100 | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2-Dichlorobenzene | 500,000 | 1,000,000 | 3,100 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,3-Dichlorobenzene | 500,000 | 1,000,000 | 120,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,4-Dichlorobenzene | 26,000 | 240,000 | 15,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Dichlorodifluoromethane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,1-Dichloroethane | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2-Dichloroethane | 6,700 | 63,000 | 200 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,1-Dichloroethene | 1,000 | 9,500 | 1,400 | <5.4 | **20** | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| cis-1,2-Dichloroethene | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | **18** | **23** | <4.4 | <4.1 | <4.6 | <6.5 |
| trans-1,2-Dichloroethene | 500,000 | 1,000,000 | 20,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| trans-1,4-Dichloro-2-butene | -- | -- | -- | <11 | <11 | <8.8 | <9.8 | <8.9 | <8.2 | <9.3 | <13 |
| 1,2-Dichloropropane | 9,000 | 84,000 | 1,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,3-Dichloropropane | 3,400 | 32,000 | 100 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 2,2-Dichloropropane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,1-Dichloropropene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| cis-1,3-Dichloropropene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <2.5 | <2.5 | <2.5 |
| trans-1,3-Dichloropropene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Ethylbenzene | 500,000 | 1,000,000 | 10,100 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Hexachlorobutadiene | 7,900 | 73,000 | 1,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 2-Hexanone | -- | -- | -- | <27 | <26 | <22 | <24 | <22 | <21 | <23 | <32 |
| Isopropylbenzene | 500,000 | 1,000,000 | 132,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| p-Isopropyltoluene | 500,000 | 1,000,000 | 41,800 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 2-Isopropyltoluene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Methylene chloride | 82,000 | 760,000 | 1,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 4-Methyl-2-pentanone | 500,000 | 1,000,000 | 14,000 | <27 | <26 | <22 | <24 | <22 | <21 | <23 | <32 |
| Methyl Ethyl Ketone | 500,000 | 1,000,000 | 80,000 | <32 | <32 | <26 | <29 | <27 | <25 | <28 | <39 |
| Methyl tert-butyl ether | 500,000 | 1,000,000 | 20,000 | <11 | <11 | <8.8 | <9.8 | <8.9 | <8.2 | <9.3 | <13 |
| Naphthalene | 1,000,000 | 2,500,000 | 56,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| n-Propylbenzene | 500,000 | 1,000,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Styrene | 500,000 | 1,000,000 | 20,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,1,1,2-Tetrachloroethane | 24,000 | 220,000 | 200 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <3.9 |
| 1,1,2,2-Tetrachloroethane | 3,100 | 29,000 | 100 | <3.2 | <3.2 | <2.6 | <2.9 | <2.6 | <2.5 | <2.8 | <2.8 |
| Tetrachloroethene | 12,000 | 110,000 | 1,000 | **4,700** | **1,300** | **13,000** | **110** | **32** | <4.1 | **5,300** | <6.5 |
| Tetrahydrofuran | -- | -- | -- | <11 | <11 | <8.8 | <9.8 | <8.9 | <8.2 | <8.2 | <13 |
| Toluene | 500,000 | 1,000,000 | 67,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2,3-Trichlorobenzene | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2,4-Trichlorobenzene | 680,000 | 2,500,000 | 14,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,1,1-Trichloroethane | 500,000 | 1,000,000 | 40,000 | **7.2** | **510** | **5.3** | **5.3** | <4.4 | <4.1 | **5.4** | <6.5 |
| 1,1,2-Trichloroethane | 11,000 | 100,000 | 1,000 | <5.4 | <5.3 | <4.4 | <4.9 | <2.7 | <2.7 | <2.7 | <2.7 |
| Trichloroethene | 56,000 | 520,000 | 1,000 | <5.4 | <5.3 | **7.3** | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Trichlorofluoromethane | 500,000 | 1,000,000 | 260,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2,3-Trichloropropane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Trichlorotrifluoroethane | -- | -- | -- | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,2,4-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| 1,3,5-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Vinyl chloride | 320 | 3,000 | 400 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |
| Xylenes (total) | 500,000 | 1,000,000 | 19,500 | <5.4 | <5.3 | <4.4 | <4.9 | <4.4 | <4.1 | <4.6 | <6.5 |

**Notes:**
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RDEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for "GB" classified areas
ug/kg = micrograms per kilogram
-- = No applicable criteria for this constituent
**Bold** = result above reporting limit
Shaded result exceeds one or more of the RSR criteria



Prepared by: JRY
Checked by: MDN

**TABLE 2**
**Investigation Sample Summary - Total VOC Results in Soil**
**Trans-Lite, Inc., 120 Wampus Lane, Milford, Connecticut**

| Sample ID: | | | | SB-1802 | SB-1824 | SB-1902 | SB-1924 | SB-2002 | SB-2024 | SB-2102 | SB-2124 | SB-2202 | SB-2224 | SB-2302 | SB-2324 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Location: | | | | SB-18 | SB-18 | SB-19 | SB-19 | SB-20 | SB-20 | SB-21 | SB-21 | SB-22 | SB-22 | SB-23 | SB-23 |
| Sample Depth (ft.): | Connecticut RSR Criteria | | | 0.0-2.0 | 2.0-4.0 | 0.0-2.0 | 2.0-4.0 | 0.0-2.0 | 2.0-4.0 | 0.0-2.0 | 2.0-4.0 | 0.0-2.0 | 2.0-4.0 | 0.0-2.0 | 2.0-4.0 |
| Sample Date: | RDEC | I/C DEC | GB PMC | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 | 12/02/11 |
| **Volatile Organic Compounds - SW846 8260B, ug/kg** | | | | | | | | | | | | | | | |
| Acetone | 500,000 | 1,000,000 | 140,000 | <4,800 | <150 | <140 | <130 | <120 | <93 | <300 | <220 | <6,500 | <190 | <5,400 | <100 |
| Acrylonitrile | 1,100 | 11,000 | 100 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Benzene | 21,000 | 200,000 | 200 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Bromobenzene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Bromochloromethane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Bromodichloromethane | 9,900 | 92,000 | 110 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Bromoform | 78,000 | 720,000 | 800 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Bromomethane | 95,000 | 1,000,000 | 2,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| n-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| sec-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| tert-Butylbenzene | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Carbon disulfide | 500,000 | 1,000,000 | 140,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Carbon tetrachloride | 4,700 | 44,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Chlorobenzene | 500,000 | 1,000,000 | 20,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Chloroethane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Chloroform | 100,000 | 940,000 | 1,200 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Chloromethane | 47,000 | 440,000 | 540 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 2-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 4-Chlorotoluene | 500,000 | 1,000,000 | 2,000 | <240 | <7.5 | <7.1 | <6.3 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Dibromochloromethane | 7,300 | 68,000 | 100 | <140 | <4.5 | <4.3 | <3.8 | <3.6 | <2.8 | <9.1 | <6.7 | <190 | <5.7 | <160 | <3.1 |
| Dibromoethane | 7 | 67 | 100 | <240 | <7.0 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <7.0 | <270 | <5.1 |
| Dibromomethane | -- | -- | -- | <240 | <7.5 | <7.0 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2-Dibromo-3-chloropropane | 440 | 4,100 | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2-Dichlorobenzene | 500,000 | 1,000,000 | 3,100 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,3-Dichlorobenzene | 500,000 | 1,000,000 | 120,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,4-Dichlorobenzene | 26,000 | 240,000 | 15,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Dichlorodifluoromethane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1-Dichloroethane | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | **6.2** | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2-Dichloroethane | 6,700 | 63,000 | 200 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1-Dichloroethene | 1,000 | 9,500 | 1,400 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| cis-1,2-Dichloroethene | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | **11** | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| trans-1,2-Dichloroethene | 500,000 | 1,000,000 | 20,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| trans-1,4-Dichloro-2-butene | -- | -- | -- | <480 | <15 | <14 | <13 | <12 | <9.3 | <30 | <22 | <650 | <19 | <540 | <10 |
| 1,2-Dichloropropane | 9,000 | 84,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,3-Dichloropropane | 3,400 | 32,000 | 100 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 2,2-Dichloropropane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1-Dichloropropene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| cis-1,3-Dichloropropene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <2.5 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| trans-1,3-Dichloropropene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Ethylbenzene | 500,000 | 1,000,000 | 10,100 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Hexachlorobutadiene | 7,900 | 73,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 2-Hexanone | -- | -- | -- | <1,200 | <38 | <36 | <32 | <30 | <23 | <76 | <56 | <1,600 | <48 | <1,300 | <26 |
| Isopropylbenzene | 500,000 | 1,000,000 | 132,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| p-Isopropyltoluene | 500,000 | 1,000,000 | 41,800 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 2-Isopropyltoluene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Methylene chloride | 82,000 | 760,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 4-Methyl-2-pentanone | 500,000 | 1,000,000 | 14,000 | <1,200 | <38 | <36 | <32 | <30 | <23 | <76 | <56 | <1,600 | <48 | <1,300 | <26 |
| Methyl Ethyl Ketone | 500,000 | 1,000,000 | 80,000 | <1,400 | <45 | <43 | <38 | <36 | <28 | <91 | <67 | <1,900 | <57 | <1,600 | <31 |
| Methyl tert-butyl ether | 500,000 | 1,000,000 | 20,000 | <480 | <15 | <14 | <13 | <12 | <9.3 | <30 | <22 | <650 | <19 | <540 | <10 |
| Naphthalene | 1,000,000 | 2,500,000 | 56,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| n-Propylbenzene | 500,000 | 1,000,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Styrene | 500,000 | 1,000,000 | 20,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1,1,2-Tetrachloroethane | 24,000 | 220,000 | 200 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1,2,2-Tetrachloroethane | 3,100 | 29,000 | 100 | <140 | <4.5 | <4.3 | <3.8 | <3.6 | <2.8 | <9.1 | <6.7 | <190 | <5.7 | <160 | <3.1 |
| Tetrachloroethene | 12,000 | 110,000 | 1,000 | **14,000** | **59** | **22** | **1,200** | <6.1 | **5.1** | **1,000** | **220** | **16,000** | **15** | **18,000** | **110** |
| Tetrahydrofuran | -- | -- | -- | <480 | <15 | <14 | <13 | <12 | <9.3 | <30 | <22 | <650 | <22 | <540 | <10 |
| Toluene | 500,000 | 1,000,000 | 67,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2,3-Trichlorobenzene | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2,4-Trichlorobenzene | 680,000 | 2,500,000 | 14,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,1,1-Trichloroethane | 500,000 | 1,000,000 | 40,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | **380** | <9.6 | **940** | **55** |
| 1,1,2-Trichloroethane | 11,000 | 100,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Trichloroethene | 56,000 | 520,000 | 1,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | **330** | <9.6 | <270 | <5.1 |
| Trichlorofluoromethane | 500,000 | 1,000,000 | 260,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2,3-Trichloropropane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Trichlorotrifluoroethane | -- | -- | -- | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,2,4-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| 1,3,5-Trimethylbenzene | 500,000 | 1,000,000 | 70,000 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Vinyl chloride | 320 | 3,000 | 400 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | **13** | <15 | <11 | <320 | <9.6 | <270 | <5.1 |
| Xylenes (total) | 500,000 | 1,000,000 | 19,500 | <240 | <7.5 | <7.1 | <6.4 | <6.1 | <4.7 | <15 | <11 | <320 | <9.6 | <270 | <5.1 |

**Notes:**
RSR = Connecticut Remediation Standard Regulations
Connecticut RSR Criteria = For comparative purposes, these numeric criteria include CTDEP 2005 Approved Additional Polluting Substances values where RSR criteria do not exist.
RDEC = Residential Direct Exposure Criteria
I/C DEC = Industrial/Commercial Direct Exposure Criteria
GB PMC = Pollutant Mobility Criteria for "GB" classified areas
ug/kg = micrograms per kilogram
-- = No applicable criteria for this constituent
**Bold** = result above reporting limit
Shaded result exceeds one or more of the RSR criteria



Prepared by: JRY
Checked by: MDN

**TABLE 3**
**Investigation Sample Summary - Total VOC Results in Groundwater**
**Trans-Lite, Inc., 120 Wampus Lane, Milford, Connecticut**

| Sample Identification: | | | | MW-EX | MW-08S | MW-08I | MW-09I | MW-10I | MW-11I | MW-12I | MW-13S |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample Date: | | | | 05/10/11 | 05/10/11 | 05/10/11 | 05/10/11 | 05/10/11 | 05/10/11 | 05/10/11 | 05/10/11 |
| Depth to Water (feet): | Connecticut RSR Criteria | | | 3.43 | 3.45 | 3.32 | 3.28 | 3.34 | 3.41 | 3.36 | 3.59 |
| Relative Water Table Elevation (feet): | SWPC | RVC | I/C VC | | | | | | | | |
| **Volatile Organic Compounds - SW846 8260B, ug/l** | | | | | | | | | | | |
| Acetone | -- | 50,000 | 50,000 | <25 | <25 | <25 | <25 | <25 | <25 | <25 | <25 |
| Acrylonitrile | 20 | -- | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Benzene | 710 | 215 | 530 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromobenzene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | -- | 2.3 | 73 | **0.93** | <1.0 | <1.0 | **1.8** | **2.1** | **2.8** | **2.1** | **0.67** |
| Bromoform | 10,800 | 920 | 3,800 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromomethane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Butylbenzene | -- | 1,500 | 21,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| sec-Butylbenzene | -- | 1,500 | 20,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon disulfide | -- | -- | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Carbon tetrachloride | 132 | 16 | 40 | <1.0 | <1.0 | **6.8** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chlorobenzene | 420,000 | 1,800 | 6,150 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | -- | 12,000 | 29,000 | **4.0** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | 14,100 | 287 | 710 | **18** | **3.4** | **6.6** | **35** | **29** | **28** | **26** | **9.4** |
| Chloromethane | -- | 390 | 5,500 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Chlorotoluene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Chlorotoluene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromochloromethane | 1,020 | -- | -- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Dibromoethane | -- | 0.3 | 11 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | 170,000 | 30,500 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | 26,000 | 24,200 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | 26,000 | 50,000 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | -- | 91 | 500 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | -- | 34,600 | 50,000 | **12** | **9.1** | **3.9** | **1.2** | **2.6** | **1.1** | **21** | <1.0 |
| 1,2-Dichloroethane | 2,970 | 21 | 90 | <1.0 | <1.0 | **3.8** | <1.0 | <1.0 | <1.0 | **7.9** | <1.0 |
| 1,1-Dichloroethene | 96 | 1 | 6 | **70** | **290** | **380** | **120** | **94** | **77** | **2,000** | <1.0 |
| cis-1,2-Dichloroethene | -- | 830 | 11,000 | **3.7** | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | -- | 1,000 | 13,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,4-Dichloro-2-butene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | -- | 14 | 60 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | 34,000 | 6 | 25 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | -- | -- | -- | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| trans-1,3-Dichloropropene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Ethylbenzene | 580,000 | 50,000 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachlorobutadiene | -- | -- | -- | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| 2-Hexanone | -- | -- | -- | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Isopropylbenzene | -- | 2,800 | 6,800 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Isopropyltoluene | -- | 1,600 | 22,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Isopropyltoluene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Methylene chloride | 48,000 | 50,000 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Methyl-2-pentanone (MIBK) | -- | 50,000 | 50,000 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Methyl Ethyl Ketone | -- | 50,000 | 50,000 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Methyl tert-butyl ether | -- | 50,000 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | -- | 580 | 2,065 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1,2-Tetrachloroethane | -- | 12 | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | 110 | 23 | 100 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| Tetrachloroethene | 88 | 1,500 | 3,820 | **6,300** | **750** | **9.9** | **8.0** | **3,100** | **2.8** | **39** | <1.0 |
| Tetrahydrofuran | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Toluene | 4,000,000 | 23,500 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | 62,000 | 20,400 | 50,000 | **2,000** | **460** | **150** | **99** | **95** | **81** | **1,400** | <1.0 |
| 1,1,2-Trichloroethane | 1,260 | 8,000 | 19,600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | **1.2** | <1.0 |
| Trichloroethene | 2,340 | 219 | 540 | **5.0** | **2.8** | **30** | **4.2** | **8.0** | **2.8** | **46** | <1.0 |
| Trichlorofluoromethane | -- | 1,300 | 4,200 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorotrifluoroethane | -- | -- | -- | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | -- | 360 | 4,800 | <1.0 | <1.0 | <1.0 | <1.0 | **1.4** | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | -- | 280 | 3,900 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl chloride | 15,750 | 2 | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Xylenes (total) | -- | 21,300 | 50,000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |

**Notes:**
RSR = Connecticut Remediation Standard Regulations
Connecticut RSR Criteria = For comparative purposes, these numeric criteria include CTDEP 2005 Approved Additional Polluting Substances values or 2003 Proposed Revisions to Connecticut's RSR Volatilization Criteria when RSR values do not exist.
SWPC = Surface Water Protection Criteria
RVC = RSR Residential Volatilization Criteria
I/C VC = RSR Industrial/Commercial Volatilization Criteria
ug/l = micrograms per liter
-- = No applicable criteria for this constituent
**Bold** = result above reporting limit
Shaded result exceeds one or more of the RSR criteria



Prepared by: JRY
Checked by: MDN

**TABLE 4**

**Investigation Sample Summary - 1,4-dioxane Results in Groundwater**

**Trans-Lite, Inc., 120 Wampus Lane, Milford, Connecticut**

| **Sample Identification:** | | | | **MW-EX** | **MW-02I** | **MW-08S** | **MW-08I** |
|---|---|---|---|---|---|---|---|
| **Sample Date:** | | | | 07/07/11 | 07/07/11 | 07/07/11 | 07/07/11 |
| **Depth to Water (feet):** | **Connecticut RSR Criteria** | | | | | | |
| **Relative Water Table Elevation (feet):** | **SWPC** | **RVC** | **I/C VC** | | | | |
| **1,4 dioxane - SW846 8260, ug/l** | -- | -- | -- | <1.0 | **15** | <1.0 | **22** |

**Notes:**

RSR = Connecticut Remediation Standard Regulations

Connecticut RSR Criteria = For comparative purposes, these numeric criteria include CTDEP 2005 Approved Additional Polluting Substances values or 2003 Proposed Revisions to Connecticut's RSR Volatilization Criteria when RSR values do not exist.

SWPC = Surface Water Protection Criteria

RVC = RSR Residential Volatilization Criteria

I/C VC = RSR Industrial/Commercial Volatilization Criteria

ug/l = micrograms per liter

-- = No applicable criteria for this constituent

**Bold** = result above reporting limit



Prepared by: MDN
Checked by: JRY

# SOIL BORING LOGS

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| Client: TRANSLITE INC | Project No. 3610110095 | AOC: — | Boring No.: MW-08I |
| Contractor: ADT | Date Started: 5/9/11 1015 | Protection: D | Completed: 5/9/11 1240 |
| Method: DIRECT PUSH | Casing Size: — | PI Meter: PINE 580B 12323 | |
| Ground Elev.: — | Soil Drilled: 30.00 | Total Depth: 30.00 | |
| Logged by: R. AUBE | Checked by: JR | ▽ Below Ground: ~5' | |
| Screen: 10 (ft.) Riser: 20 (ft.) | Diam: 1.00" (ID) Material: PVC | Page 1 of: 2 | |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 5/3.4 | 0 | 0-0.2 MED BRN MED SAND SOIL, FEW GRAVEL DRY, NO ODOR, NO STAIN. | | | |
| | | MW-08 (0.5-2.0) @ 1031 | | | 40 | 0.2-0.3 DRK BRN MED SAND SOIL, FEW GRAVEL, DRY, STAINED, NO ODOR. | | VOC'S | |
| | | | | | 10 | 0.3-0.4 RED-BRN MED-FINE SAND SOIL, DRY, NO ODOR, NO STAIN. | | | |
| 5 | | MW-08 (3.0-5.0) @ 1034 | | | 0 | 0.4-5.0 MED BRN MED SAND, MOIST, NO STAIN, NO ODOR. | | VOC'S | GW @ 5.00' |
| 5 | | | | 5/5.0 | 0 | 5.0-10.0 MED BRN MED SAND SOIL, SOME COARSE SAND, SATURATED, NO STAIN, NO ODOR. | | | |
| 10 | | | | 5/5.0 | 0 | 10-15.0 SAME AS ABOVE. | | | |
| 15 | | | | 5/5.0 | 0 | 15-18.0 FINE SAND + SILT SOIL, SATURATED, MED-BRN, NO STAIN, NO ODOR. | | | |
| 20 | | | | | 0 | 18-20.0 FINE SAND SOIL, WET, ~~DARK~~ MED BRN, NO STAIN, NO ODOR. | | | |

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| | | AOC: — | |
| | | Boring No.: MW-08I | |
| Client: TRANSLITE INC. | Project No. 36101100095 | Protection: D | |
| Contractor: ADT | Date Started: 5/9/11 1015 | Completed: 5/9/11 1240 | |
| Method: DIRECT PUSH | Casing Size: — | PI Meter: PINE 5808 12323 | |
| Ground Elev.: — | Soil Drilled: 30.00' | Total Depth: 30.00' | |
| Logged by: R. AUBE | Checked by: JRK | ▽ Below Ground: 5.00' | |
| Screen: 10 (ft.) | Riser: 20 (ft.) | Diam: 1.00" (ID) | Material: PVC |
| | | Page 2 of: 2 | |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 20 | | | | 3/5.0 | 0 | 20-25' MED-FINE SILTY SAND SOIL, SILT CONTENT INCREASING GRADUALLY WITH DEPTH. MED-BRN, NO STAIN, NO ODOR, SATURATED. | | | |
| 25 | | | | | | | | | |
| 25 | | | | 3/4.0 | 0 | 25-29.8' MED BRN MED-FINE SILTY SAND SOIL. SILT INCREASING WITH DEPTH, NO STAIN, NO ODOR, SATURATED. | | | |
| | | | | | | 29.8-30.0' CHANGE TO MED BRN SILT, NO STAIN, NO ODOR, SATURATED. | | | |
| 30 | | | | | | 30.00' BOTTOM OF BORING | | | |

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| Client: TRANSLITE INC. | Project No. 36101100 95 | | AOC: — |
| | | | Boring No.: MW-09I |
| Contractor: ADT | Date Started: 5/9/11 1430 | | Protection: D |
| Method: DIRECT PUSH | Casing Size: — | | Completed: 5/10/11 |
| Ground Elev.: — | Soil Drilled: 28' | | PI Meter: Pinc 580B 12323 |
| Logged by: R. AUBE | Checked by: JRV | | Total Depth: 28' |
| | | | ▽ Below Ground: ~4' |
| Screen: 10 (ft.) | Riser: 18 (ft.) | Diam: 1.00" (ID) | Material: PVC |
| | | | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0–3 | MW-09 (0.5-1.0') @1445 | | | 3/1.6' | 0 | MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR MOIST. 0-3.0' | | VOC's | |
| 3–6 | MW-09 (3.0-4.0') @1450 | | | 3/1.0' | 0 | MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, MOIST @ TOP, WET @ BOTTOM, 3.0-6.0' | | VOC's | GW @ 4.0' |
| 6–9 | | | | 3/3.0 | 0 | 6.0-7.0 COARSE SAND + PEA GRAVEL. SATURATED. NO STAIN, NO ODOR. | | | |
| | | | | | * | 7.0-9.0' MED BRN MED-FINE SAND, NO STAIN, NO ODOR, SATURATED | | | |
| 9–12 | | | | 3/2.5' | * | 9.0-12.0 MED BRN MED-FINE SAND SOIL, WET, NO STAIN, NO ODOR. | | | |
| 12–15 | | | | 3/3.0 | * | 12.0-15.0 MED BRN MED-FINE SAND SOIL, SATURATED, NO STAIN, NO ODOR. | | | |
| 15–20 | | | | 3/3.0 | * | 15-20.0 MED BRN FINE SAND + SILT SOIL. SATURATED, NO STAIN, NO ODOR. ~~20.00 BOTTOM OF LITHOLOGY (1)~~ | | | |

* PID HAS FAILED (STOPPED WORKING), NO READINGS TAKEN.

(1) BORING CONTINUES TO 28.00' TO SET WELL. NO LITHOLOGY 20-28'.

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| Client: TRANSLITE INC | Project No. 36101100095 | | AOC: — |
| | | | Boring No.: SB-10 |
| | | | Protection: D |
| Contractor: ADT | Date Started: 5/10/11 1240 | | Completed: 5/10/11 1400 |
| Method: DIRECT PUSH | Casing Size: — | | PI Meter: PINE 5308 12323 |
| Ground Elev.: — | Soil Drilled: 9.00' | | Total Depth: 9.00' |
| Logged by: R. AUBE | Checked by: JR | | ▽ Below Ground: 3.50' |
| Screen: NA (ft.) | Riser: NA (ft.) | Diam: NA (ID) | Material: NA |
| | | | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | 3/1.8 | | 0-0.5 MED BRN MED SAND SOIL, NO STAIN, NO ODOR, MOIST. | | | |
| | | SB-10(0-0.5) @ 1315 | | | 0 | | | VOC'S | |
| | | | | | 0 | 0.5-0.8 GRAY SAND + GRAVEL MIX, DRY, NO STAIN, NO ODOR. | | | |
| | | | | | 0 | 0.8-1.0 BLACK MED SAND SOME PEA GRAVEL, MOIST, DARK STAIN, NO ODOR. | | | |
| | | | | | 0.5 | 1.0-3.0 MED BRN MED-FINE SAND SOIL, MOIST, NO STAIN, NO ODOR. | | | |
| 3 | | | | | | | | | |
| 3 | | SB-10(3.0-3.5) @ 1325 | | 1.8 | | 3.0-6.0 MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, WET @ TOP, SATURATED @ BOTTOM. | | VOC'S | |
| | | | | 3/3.0 | 0 | | | | GW @ 3.50' |
| 6 | | | | | | | | | |
| 6 | | | | 3/3.0 | 0 | 6.0-9.0 MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, SATURATED | | | |
| 9 | | | | | | BOTTOM OF LITHOLOGY, BOTTOM OF BORING | | | |

SOIL BORING LOG

Rene P. Aube

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| | | AOC: — | |
| | | Boring No.: MW-10I | |
| Client: TRANSLITE INC. | Project No. 361011009 5 | Protection: D | |
| Contractor: ADT | Date Started: 5/11/11 0720 | Completed: 5/11/11 1115 | |
| Method: * | Casing Size: — | PI Meter: PINE 580B 12323 | |
| Ground Elev.: — | Soil Drilled: 28.00' | Total Depth: 28.00' | |
| Logged by: R. AUBE | Checked by: JRY | ▽ Below Ground: 4.00' | |
| Screen: 10 (ft.) | Riser: 18 (ft.) | Diam: 1.00" (ID) | Material: PVC |
| | | Page 1 of: 1 | |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 | MW-10 (0-0.5) @ 0725 | | | NA | 2.5 | 0-0.5 MED-DRK BRN FILL, MED-COARSE SAND + GRAVEL, MOIST, NO STAIN, NO ODOR. | | VOC'S | |
| BUCKET AUGER | | | | | 8.0 | 0.5-2.5 MED BRN MED-FINE SAND SOIL. NO STAIN, NO ODOR, MOIST TO WET. | | | |
| | | | | | 0 | 2.5-3.0 MED BRN MED-FINE SAND SOIL, SOME GRAVEL, MOIST TO WET, NO STAIN, NO ODOR. | | | |
| | MW-10 (3.0-4.0) @ 0755 | | | | 0 | 3.0-4.0 MED BRN MED-FINE SAND + SILT SOIL, MOIST TO WET, NO STAIN, NO ODOR. | | VOC'S | GW @ 4.00' |
| | | | | | 0 | 4.0-5.0 MED BRN MED-FINE SAND + SILT SOIL, NO STAIN, NO ODOR, SATURATED. | | | |
| 5 | | | | | | | | | |
| GEOPROBE | | | | | 20 @ 6.0' 28 @ 8.0' 25 @ 10.0' | MED-BRN MED-FINE SAND + SILT SOIL, MORE SILT TOWARDS BOTTOM, NO STAIN, MODERATE ODOR, SATURATED. | | | |
| 10 | | | | | | | | | |

100' BOTTOM OF LITHOLOGY

SOIL BORING LOG

* BUCKET AUGER FOR 1ST 5.0', THEN GEOPROBE 420M TO 28.00'.

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| | | AOC: — | |
| | | Boring No.: MW-11I | |
| Client: TRANSLITE | Project No. 3610110095 | Protection: D | |
| Contractor: ADT | Date Started: 5/11/11 1230 | Completed: 5/11/11 | |
| Method: DIRECT-PUSH | Casing Size: — | PI Meter: PINE 580B 12323 | |
| Ground Elev.: — | Soil Drilled: 28.00' | Total Depth: 28.00' | |
| Logged by: R. AUBE | Checked by: JR | ▽ Below Ground: ~3.5' | |
| Screen: 10 (ft.) | Riser: 18 (ft.) | Diam: 1.00"(ID) | Material: PVC |
| | | | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 ↑ BUCKET AUGER | MW-11(0-0.5) @ 1245 | | | | * | 0-0.5 MED BRN SAND + GRAVEL FILL V-LITE MOIST, NO STAIN, NO ODOR. | | VOC's | |
| | | | | | * | 0.5-3.0 MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, V-LITE MOIST. | | | |
| | MW-11(3.0-3.5) @ 1310 | | | | * | 3.0-3.5 MED RUSTY BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, DAMP. | | VOC's GW@ 3.50' | |
| 5 | | | | | * | 3.5-5.0 MED BRN MED-FINE SAND + SILT, NO STAIN, NO ODOR, SATURATED. | | | |
| 5 ↑ GEOPROBE | | | | 3/25 | * | 5.0-8.0 MED BRN MED-FINE SAND + SILT, NO STAIN, NO ODOR. SATURATED. | | | |
| 8 | | | | 2/2.0 | * | 8.0-8.5 MED BRN MED-FINE SAND + SILT, NO STAIN, NO ODOR, SATURATED. | | | |
| | | | | | * | 8.5-10.0 MED BRN MED SAND, NO STAIN, NO ODOR, SATURATED. | | | |
| ↓10 | | | | | | 10.00' END OF LITHOLOGY | | | |

PID BATTERY DEAD. PLACED UNIT ON CHARGE.

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| Client: TRANSLITE | Project No. 3610110095 | | AOC: — |
| | | | Boring No.: MW-12 |
| | | | Protection: D |
| Contractor: ADT | Date Started: 5/12/11 0820 | | Completed: 5/12/11 |
| Method: DIRECT PUSH | Casing Size: NA | | PI Meter: PINE 580B, 12323 |
| Ground Elev.: — | Soil Drilled: 28.00' | | Total Depth: 28.00' |
| Logged by: R. AUBE | Checked by: JRK | | ▽ Below Ground: ~3.5 |
| Screen: 10 (ft.) | Riser: 18 (ft.) | Diam: 1.00" (ID) | Material: PVC |
| | | | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 BUCKET AUGER | | MW-12 (0-0.5) @ 0845 | | | 0 | 0-1.0 MED BRN MED SAND + GRAVEL FILL, NO STAIN, NO ODOR, LITE MOIST. FEW CONCRETE CHIPS + CHUNKS. | | | VOC'S |
| | | | | | 0 | 1.0-2.5 MED BRN MED SAND, V-LITE MOIST TO DRY, NO STAIN, NO ODOR. | | | |
| | | MW-12 (2.5-3.0) @ 0900 | | | 0 | 2.5-3.0 MED BRN MED-FINE SAND SOIL, FEW PEA GRAVEL, NO STAIN, NO ODOR, MOIST @ TOP, WET @ BOTTOM. | | | VOC'S GW @ 3.50 |
| | | | | | | 3.0-4.0 MED BRN MED-FINE SAND SOIL, NO STAIN, NO ODOR, WET @ TOP, SATURATED @ BOTTOM. | | | |
| 4 GEOPROBE | | | | 3/2.75 | 19 | 4.0-7.0 MED BRN MED-FINE SAND + SILT SOIL, NO STAIN, NO ODOR, SATURATED. | | | |
| | | | | 3/3.0 | 20 58 18 | 7.0-10.0 MED BRN MED-FINE SAND + SILT SOIL, NO STAIN, LITE ODOR, SATURATED | | | |
| | | | | | | 10.00' BOTTOM OF LITHOLOGY | | | |

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| AOC: | — | | |
| Boring No.: | MW-13 | | |
| Client: TRANSLITE | Project No. 36P11095 | Protection: | D |
| Contractor: ADT | Date Started: 5/12/11 1240 | Completed: | 5/12/11 1330 |
| Method: Direct Push | Casing Size: NA | PI Meter: | Pine 580B 12323 |
| Ground Elev.: — | Soil Drilled: 12" | Total Depth: | 12' |
| Logged by: R. Aube | Checked by: JRY | Below Ground: | ~4' |
| Screen: 10 (ft.) Riser: 2 (ft.) Diam: 1 (ID) Material: PVC | | Page 1 of: 1 | |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 0 ↑ BUCKET AUGER | | MW-13(0-0.5) @ 1300 | | | 0 | 0-3.0' MED BRN MED-FINE SAND+SILT SOIL, NO STAIN, NO ODOR, V-LITE MOIST TO DRY. | | | VOC'S |
| | | | | | 0 | 3.0-3.5 MED BRN MED-FINE SAND+SILT SOIL, FEW PEA GRAVEL, NO STAIN, NO ODOR, MOIST. | | | |
| | | MW-13(3.5-4.0) @ 1320 | | | 0 | 3.5-4.5 MED BRN MED-FINE SAND + SILT SOIL, FEW PEA GRAVEL, NO STAIN, NO ODOR, WET @ TOP, SATURATED @ BOTTOM. | | | VOC'S GW @ 4.00' |
| 4.5 | | | | | | | | | |
| 4.5 ↑ GEOPROBE | | | | | 0 | 4.5-8.0 F-M-C SAND+ SILT SOIL, NO STAIN, NO ODOR, SATURATED. | | | |
| | | | | | 0 | ~~8.0~~ 8.0-10.0' MED BRN MED-FINE SAND+ SILT SOIL, NO STAIN, NO ODOR, SATURATED. | | | |
| 10 | | | | | | 10.00' BOTTOM OF LITHOLOGY | | | |

SAMPLE + DUP @ MW-13(3.5-4.0)

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | |
|---|---|---|
| Client: Translite | Project No. 5610110095-03 | AOC: — |
| | | Boring No.: SB-14 |
| | | Protection: Level D |
| Contractor: ADT | Date Started: 07/7/11 | Completed: 07/7/11-9:00/9:30 |
| Method: Jackhammer | Casing Size: 2" | PI Meter: Mini-RAE 2000 |
| Ground Elev.: — | Soil Drilled: 6' | Total Depth: 6' |
| Logged by: MDN | Checked by: JR | ▽ Below Ground: — |
| Screen: — (ft.) Riser: — (ft.) | Diam: — (ID) Material: — | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-1403 | 0' ↓ 2' | N/A | 30/26 | 0 | 0-0.5: Brown sand, small gravel, some stones, dry | | SB-1402 | N/A |
| | | | | | 9.0 | 0.5-0.6: Dark brown sand, small stone frags, dry | | | |
| 2 | | | | | 8.2 | 0.6-0.8: Fine reddish brown sand, some gravel | | | |
| 3 | | | | | 1.3 | 0.8-2.0: Light brown sand, traces of silt, some clay, dry | | | |
| 4 | SB-1436 | 3' ↓ 5' | | 30/22 | 0 | 2.0-2.6: Fine brown sand, traces of gravel, damp | | SB-1435 | |
| 5 | | | | | 2 | 2.6-2.9: Brown sandy clay, damp | | | |
| 6 | | | | | 31.2 | 2.9-6.0: Fine brown sand, some gravel, well sorted, damp | | | |

SOIL BORING LOG



MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| | | AOC: — | |
| | | Boring No.: SB-15 | |
| Client: Transtite | Project No. 36101100 95-03 | Protection: Level D | |
| Contractor: ADT | Date Started: 07/7/11 | Completed: 07/7/11 - 10:30/11:00 | |
| Method: Jackhammer | Casing Size: 2" | PI Meter: Mini-RAE 2000 | |
| Ground Elev.: — | Soil Drilled: 6' | Total Depth: 6' | |
| Logged by: MDN | Checked by: JTR | Below Ground: — | |
| Screen: — (ft.) Riser: — (ft.) Diam: — (ID) Material: — | | Page 1 of: 1 | |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-1503 | 0' | N/A | 30/24 | 2.7 | 0-0.6: Medium brown sandy topsoil, some gravel, rock frags | | SB-1502 | N/A |
| 2 | | 2' | | | 7.4 | 0.6-1.4: Medium brown to dark brown sand, rock frags, traces of silt | | | |
| 3 | | | | | 34.7 | 1.4-1.9: Brown Sand, rock frags | | | |
| | | | | | 14.3 | 1.9-2.4: Brown Sand, some gravel, rock frags, dry | | | |
| 4 | SB-1536 | 3' | | 30/21 | 0 | 2.4-3.8: Fine light brown sand, damp | | SB-1535 | |
| 5 | | 5' | | | | 3.8-5.5: Fine medium brown sand some gravel, damp | | | |
| 6 | | | | | | 5.5-6.0: Fine medium brown sand, wet | | | |

SOIL BORING LOG

MACTEC, Inc.

# SOIL BORING LOG

| | | | |
|---|---|---|---|
| Client: Translite | | Project No. 36101109S-03 | AOC: — |
| Contractor: ADT | Date Started: 07/7/11 | | Boring No.: SB-16 |
| Method: Jackhammer | Casing Size: 2" | | Protection: Level D |
| Ground Elev.: — | Soil Drilled: 6' | | Completed: 07/7/11-9:30/10:00 |
| Logged by: MDN | Checked by: JRK | | PI Meter: Mini RAE 2000 |
| Screen: — (ft.) | Riser: — (ft.) | Diam: — (ID) | Material: — |
| | | | Total Depth: 6' |
| | | | Below Ground: — |
| | | | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| 1 | SB-1603 | 0' ↓ 2' | N/A | 30/22 | 0 ↓ | 0-0.3: Dark brown Sand, Some gravel, dry<br>0.3-2.2: Light brown fine Sand, traces of stone, some Clay | | SB-1602 | N/A |
| 2 | | | | | | | | | |
| 3 | | | | | | 2.2-4.7: Fine brown Sand, very damp. | | | |
| 4 | SB-1636 | 3' ↓ 5' | | 30/21 | | 4.7-6.0: Fine brown Sand, Some clay, traces of gravel, wet. | | SB-1635 | |
| 5 | | | | | | | | | |
| 6 | | | | | | | | | |

SOIL BORING LOG

# SOIL BORING LOG

| | | |
|---|---|---|
| Client: Translite | Project No. 3610110095-03 | AOC: — |
| | | Boring No.: SB-17 |
| | | Protection: Level D |
| Contractor: ADT | Date Started: 07/7/11 | Completed: 07/7/11 - 10:00/10:30 |
| Method: Jackhammer | Casing Size: 2" | PI Meter: Mini RAE 2000 |
| Ground Elev.: — | Soil Drilled: 3' | Total Depth: 3' |
| Logged by: MDN | Checked by: JJK | ▽ Below Ground: |
| Screen: — (ft.) Riser: — (ft.) | Diam: — (ID) Material: — | Page 1 of: 1 |

| DEPTH (FT) | SAMPLE NUMBER | SAMPLE DEPTH | BLOW COUNTS | RECOVERY | PID/FID (ppm) | SOIL DESCRIPTION | SOIL CLASS | ANALYTICAL SAMPLE COLLECTED | WELL DATA |
|---|---|---|---|---|---|---|---|---|---|
| | SB-1703 | 0' | N/A | 30/27 | 12.1 | ~~8~~ MW 0-0.3: Sandy topsoil, assortment of gravel, sizes small → large | | SB-1702 | N/A |
| 1 | | ↓ 2' | | | 22.0 | 0.3-0.5: Dark brown sand, some gravel | | | |
| 2 | | 2' | | | 2.3 | 0.5-0.7: Medium brown sand, some stone frags | | | |
| 3 | | ↓ 3' | | | 0.7 | 0.7-1.5: Medium brown fine sand, some gravel, damp | | SB-1723 | |
| | | | | | 0 | 1.5-2.2: Fine brown sand, some gravel, well graded, damp | | | |
| | | | | | 1.4 | 2.2-3.0: Find brown sand, some gravel, well graded, wet | | | |

SOIL BORING LOG

# MONITORING WELL CONSTRUCTION DIAGRAMS

# MONITORING WELL CONSTRUCTION DIAGRAM

Project 3610110095 AOC —

Driller ADT

Project No. TRANSLITE INC Boring No. MW-08S

Drilling Method DIRECT PUSH

Date Installed 5/9/11

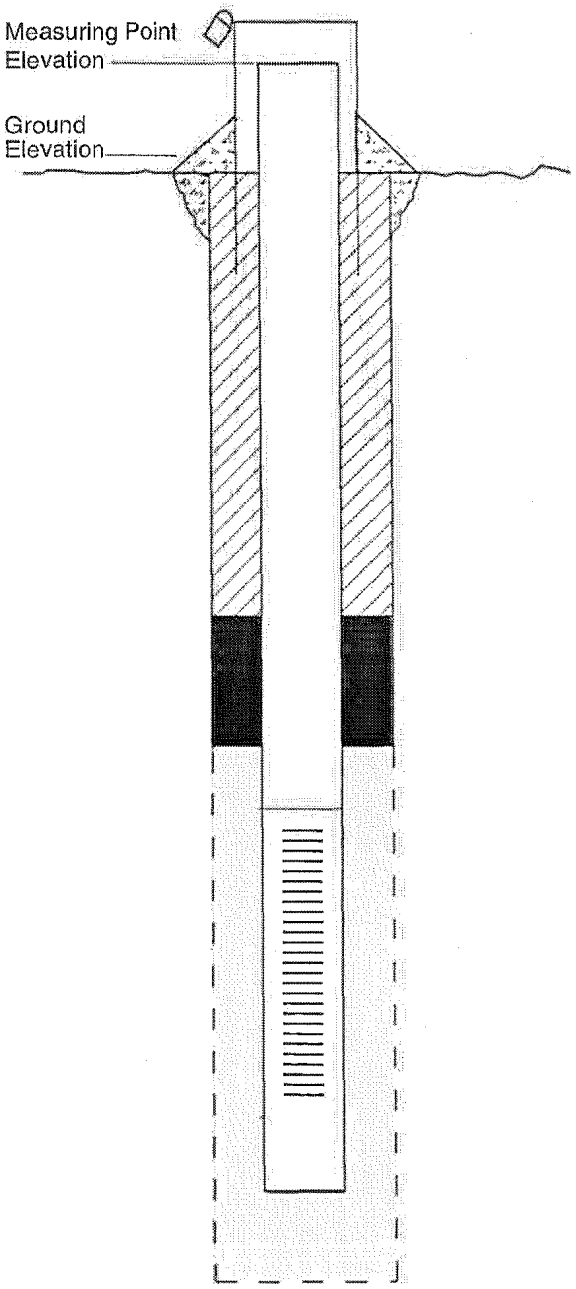
Development Method SURGE + PURGE

Field Technician: R. AUBE

Latitude: —

Longitude: —

Checked By: JK




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSHMOUNT

ID of Surface Casing: 5" ROADBOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: ~~BE~~ NA

Depth of Top of Seal: ~~BENTONITE CHIP~~ 1.00'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 1.50'

Depth of Top of Screen: 2.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT X 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 12.00'

Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 12.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

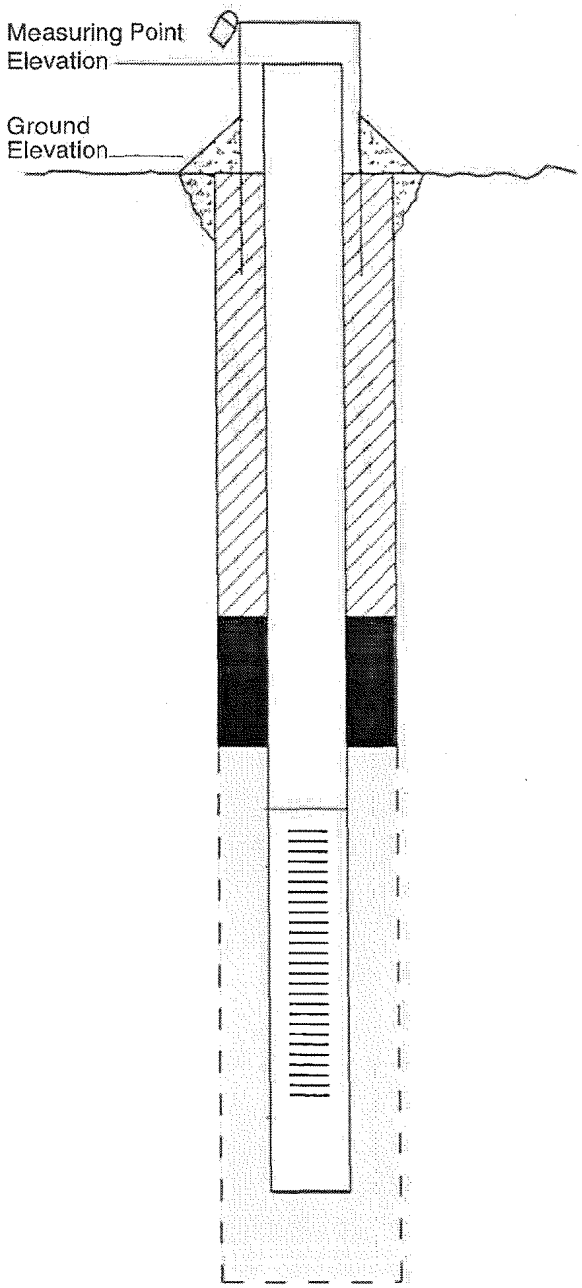
Project 3610110095 AOC — Driller ADT

Project No. TRANSLITE INC. Boring No. MW-08I Drilling Method DIRECT PUSH

Date Installed 5/9/11 Development Method SURGE + PURGE

Field Technician: R. AUBE Latitude: — Longitude: —

Checked By: JRY




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSHMOUNT

ID of Surface Casing: 5" ROAD BOX~~ES~~

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 4.00'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: NATIVE 10.00'

Depth of Top of Screen: 20.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT x 10'

ID of Screen: 1.00"

Type of Sandpack: NATIVE SANDS

Depth of Bottom of Screen: 30.00'

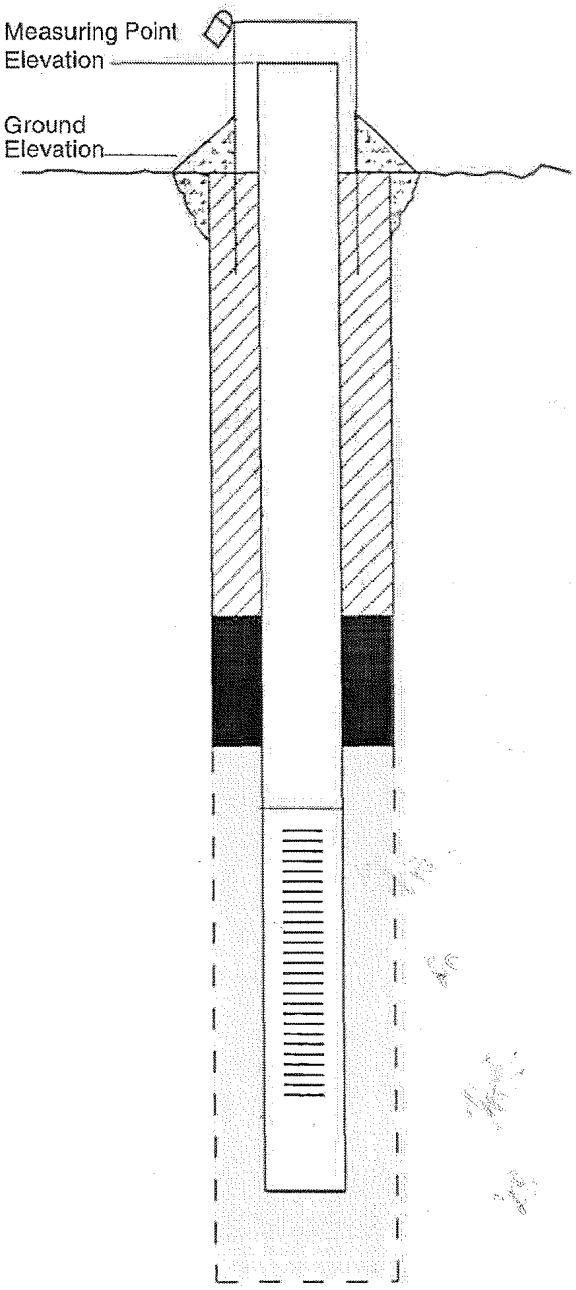
Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 30.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

Project TRANS LITE INC. AOC —
Driller ADT
Project No. 361011009 5
Boring No. MW-09I
Drilling Method DIRECT PUSH
Date Installed 5/10/11
Development Method SURGE + PURGE
Field Technician: R. AYBE
Latitude: —
Longitude: —
Checked By: JRK




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSHMOUNT

ID of Surface Casing: 5" ROADBOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 13.50'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 16.00

Depth of Top of Screen: 18.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT x 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 28.00'

Depth of SedimentUmp with Plug: NA

Depth of Bottom of Borehole: 28.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

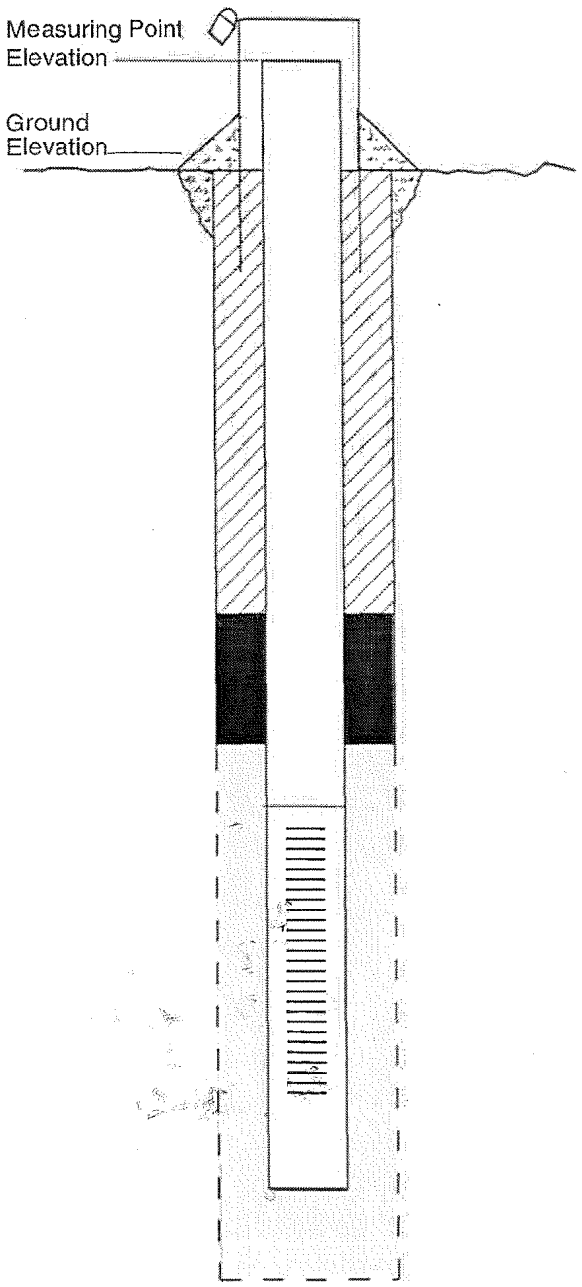
Project TRANSLITE AOC — Driller ADT

Project No. 3610110095 Boring No. MW-10I Drilling Method DIRECT-PUSH

Date Installed 5/11/11 Development Method PURGE + SURGE

Field Technician: R. AUBE Latitude: — Longitude: —

Checked By: JR




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSH MOUNT

ID of Surface Casing: 5" ROAD BOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 14.00'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 16.00'

Depth of Top of Screen: 18.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT x 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 28.00'

Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 28.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

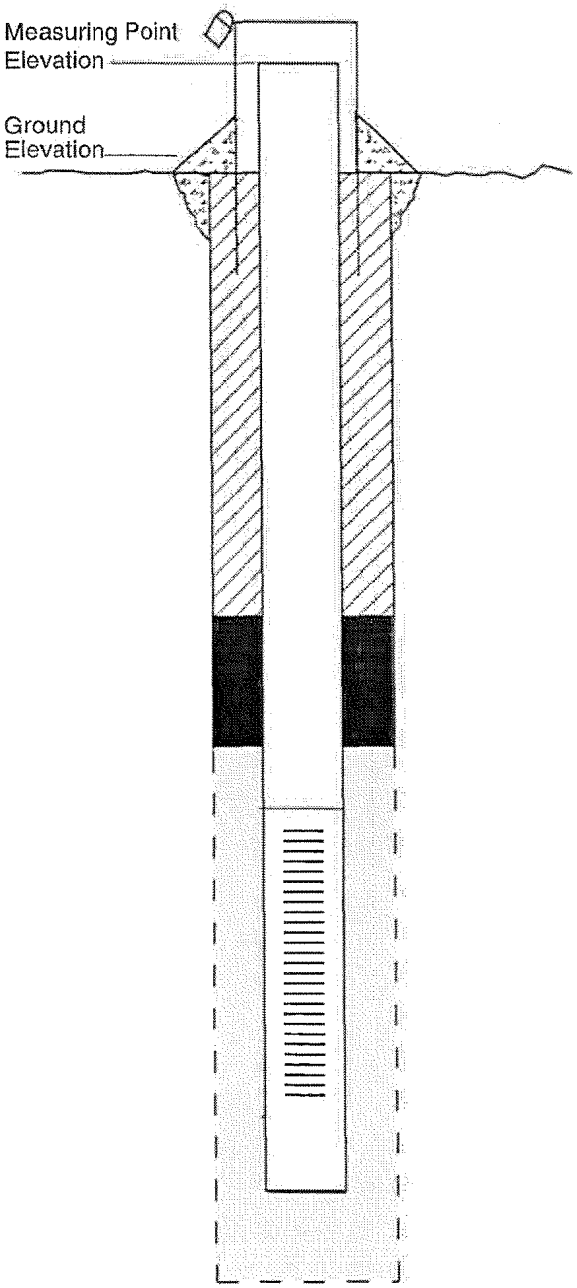
Project TRANSLITE AOC — Driller ADT

Project No. 36101100095 Boring No. MW-11I Drilling Method DIRECT-PUSH

Date Installed 5/11/11 Development Method PURGE + SURGE

Field Technician: R. AUBE Latitude: — Longitude: —

Checked By: JRY




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSH MOUNT

ID of Surface Casing: 5" ROADBOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 14.00'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 16.00'

Depth of Top of Screen: 18.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT X 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 28.00'

Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 28.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

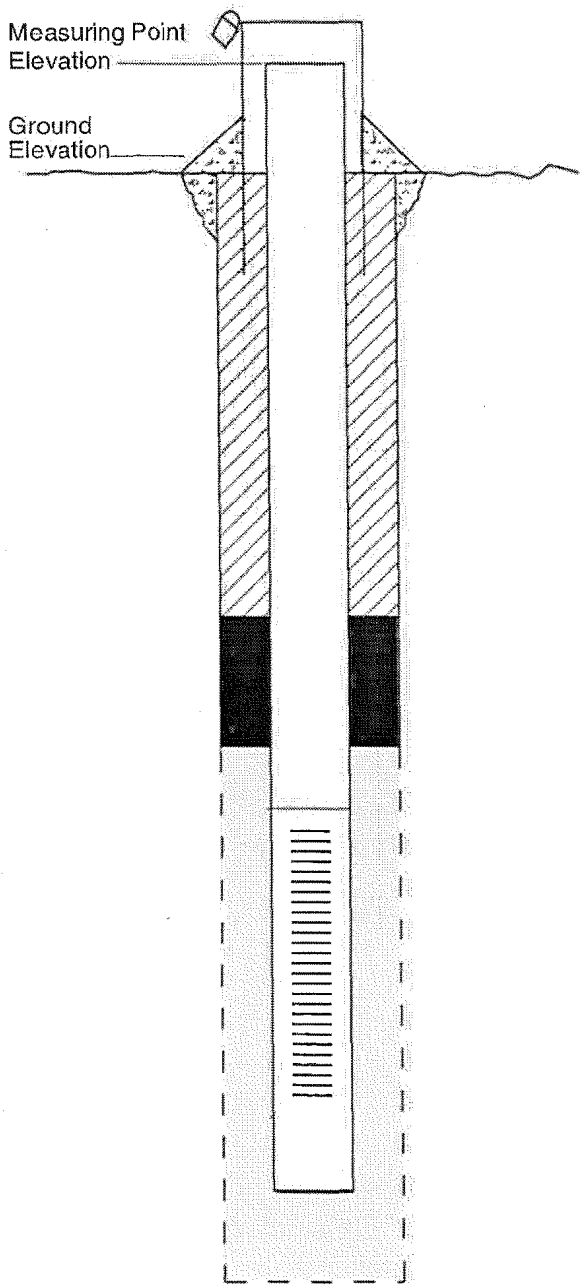
Project TRANSLITE AOC — Driller ADT

Project No. 360110095 Boring No. MW-12I Drilling Method DIRECT PUSH

Date Installed 5/12/11 Development Method PURGE + SURGE

Field Technician: R. AUBE Latitude: — Longitude: —

Checked By: JRK




Stick-up of Casing Above Ground Surface: NA

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSHMOUNT

ID of Surface Casing: 5" ROADBOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 14.00'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 16.00'

Depth of Top of Screen: 18.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT x 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 28.00'

Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 28.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# MONITORING WELL CONSTRUCTION DIAGRAM

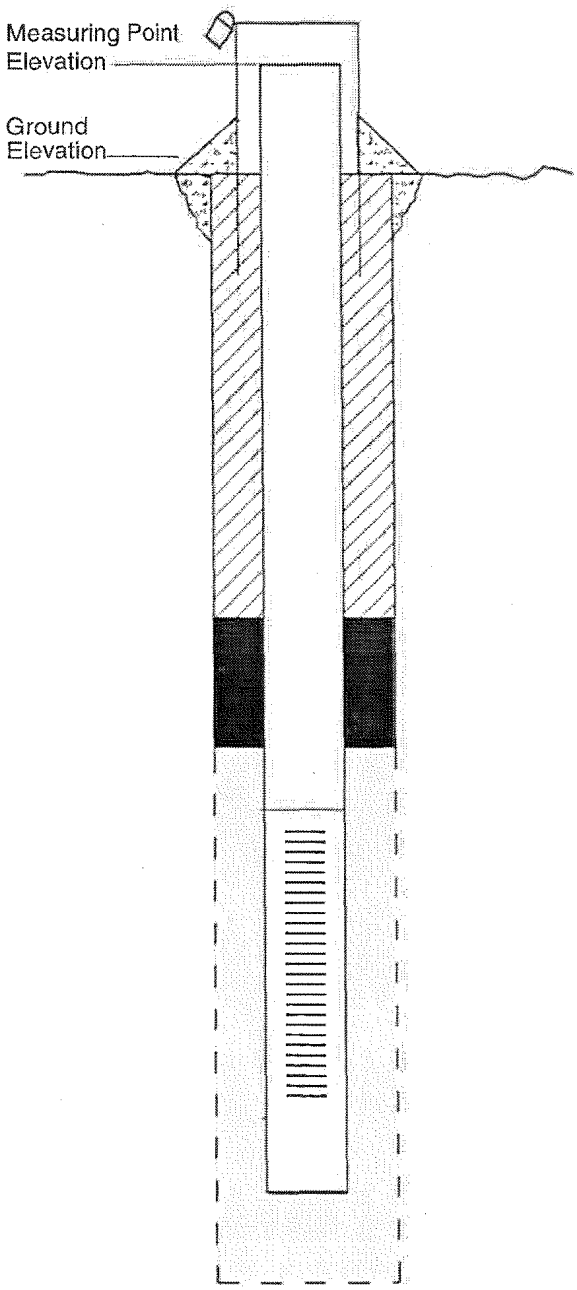
Project TRANSLITE AOC — Driller ADT

Project No. 36101100095 Boring No. MW-13S Drilling Method DIRECT-PUSH

Date Installed 5/12/11 Development Method PURGE+SURGE

Field Technician: R. AUBE Latitude: — Longitude: —

Checked By: JRY




Stick-up of Casing Above Ground Surface: N.A

Type of Surface Seal/Other Protection: CONCRETE

Type of Surface Casing: FLUSH MOUNT

ID of Surface Casing: 5" ROADBOX

Diameter of Borehole: 2.25"

Riser Pipe ID: 1.00"

Type of Riser Pipe: PVC

Type of Backfill: NA

Depth of Top of Seal: 0.50'

Type of Seal: BENTONITE CHIP

Depth of Top of Sand: 1.00'

Depth of Top of Screen: 2.00'

Type of Screen: CUT PVC

Slot Size x Length: 10 SLOT X 10'

ID of Screen: 1.00"

Type of Sandpack: #1 SAND

Depth of Bottom of Screen: 12.00'

Depth of Sediment Sump with Plug: NA

Depth of Bottom of Borehole: 12.00'

**MONITORING WELL CONSTRUCTION DIAGRAM**

# LABORATORY REPORTS

PHOENIX
Environmental Laboratories, Inc.

**Monday, May 23, 2011**

**Attn: Mr. Jon Yeich**
**MACTEC Engineering & Consulting, Inc.**
**1090 Elm Street**
**Suite 201**
**Rocky Hill, CT 06067**

**Project ID: TRANSLITE INC.**
**Sample ID#s: BA31558 - BA31574**

**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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 10:31 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31558

Project ID: TRANSLITE INC.

Client ID: MW-08 (0.5-2.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 95 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | 1100 | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 150 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 1300 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08 (0.5-2.0)

Phoenix I.D.: BA31558

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1300 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acetone | ND | 5100 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Benzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromoform | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromomethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroform | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloromethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 150 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromoethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromomethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 1500 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 510 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methylene chloride | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Naphthalene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| o-Xylene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Styrene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrachloroethene | 94000 | 5100 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 510 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Toluene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Total Xylenes | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 510 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichloroethene | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 250 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | % | 05/19/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 95 | | % | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08 (0.5-2.0)

Phoenix I.D.: BA31558

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 93 | | % | 05/19/11 | | H/J | SW8260 |
| % Toluene-d8 | 99 | | % | 05/19/11 | | H/J | SW8260 |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 10:34 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31559

Project ID: TRANSLITE INC.

Client ID: MW-08 (3.0-5.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 88 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08 (3.0-5.0)

Phoenix I.D.: BA31559

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 31 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | 86 | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 83 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 96 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08 (3.0-5.0)

Phoenix I.D.: BA31559

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 97 | | % | 05/18/11 | | R/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 14:45 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31560

Project ID: TRANSLITE INC.

Client ID: MW-09 (0.5-1.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 95 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09 (0.5-1.0)

Phoenix I.D.: BA31560

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 32 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | 9.5 | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 93 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09 (0.5-1.0)

Phoenix I.D.: BA31560

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 101 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 14:50 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31561

Project ID: TRANSLITE INC.

Client ID: MW-09 (3.0-4.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 87 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | 13 | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.4 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 29 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09 (3.0-4.0)

Phoenix I.D.: BA31561

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 29 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.4 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 34 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | 19 | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.7 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 93 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09 (3.0-4.0)

Phoenix I.D.: BA31561

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 101 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/10/11 | 13:15 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31562

Project ID: TRANSLITE INC.

Client ID: SB-10 (0-0.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 91 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/10/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.6 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 30 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: SB-10 (0-0.5)

Phoenix I.D.: BA31562

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 30 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 120 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.6 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 36 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 12 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 12 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 12 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 6.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 83 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 101 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: SB-10 (0-0.5)

Phoenix I.D.: BA31562

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 103 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 98 | | % | 05/18/11 | | R/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/10/11 | 13:25 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31563

Project ID: TRANSLITE INC.

Client ID: SB-10 (3.0-3.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 74 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/10/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 83 | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 4.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 34 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: SB-10 (3.0-3.5)

Phoenix I.D.: BA31563

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 34 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 140 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 4.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 41 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | 4100 | 340 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 6.9 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 92 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: SB-10 (3.0-3.5)

Phoenix I.D.: BA31563

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 100 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 101 | | % | 05/18/11 | | R/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/11/11 | 7:25 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31564

Project ID: TRANSLITE INC.

Client ID: MW-10 (0-0.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 93 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/11/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 27 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10 (0-0.5)

Phoenix I.D.: BA31564

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 27 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 33 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 84 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 103 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10 (0-0.5)

Phoenix I.D.: BA31564

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 88 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 93 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/11/11 | 7:55 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31565

Project ID: TRANSLITE INC.

Client ID: MW-10 (3.0-4.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 77 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/11/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 20 | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10 (3.0-4.0)

Phoenix I.D.: BA31565

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 31 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | 72 | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.1 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 89 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10 (3.0-4.0)

Phoenix I.D.: BA31565

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 109 | | % | 05/18/11 | | R/J | SW8260 |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/11/11 | 12:45 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31566

Project ID: TRANSLITE INC.

Client ID: MW-11 (0-0.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 98 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/11/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | 7.8 | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 25 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11 (0-0.5)

Phoenix I.D.: BA31566

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 25 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acetone | ND | 150 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Benzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromoform | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroform | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 30 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Styrene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrachloroethene | 14 | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Toluene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | % | 05/19/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 94 | | % | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11 (0-0.5)

Phoenix I.D.: BA31566

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 110 | | % | 05/19/11 | | H/J | SW8260 |
| % Toluene-d8 | 102 | | % | 05/19/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/11/11 | 13:10 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31567

Project ID: TRANSLITE INC.

Client ID: MW-11 (3.0-3.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 87 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/11/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 4.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 33 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11 (3.0-3.5)

Phoenix I.D.: BA31567

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 33 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acetone | ND | 225 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Benzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromoform | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromomethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroform | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloromethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 4.0 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromoethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromomethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 40 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 13 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methylene chloride | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Naphthalene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| o-Xylene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Styrene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 13 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Toluene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Total Xylenes | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 13 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichloroethene | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 6.7 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | % | 05/19/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 92 | | % | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11 (3.0-3.5)

Phoenix I.D.: BA31567

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 109 | | % | 05/19/11 | | H/J | SW8260 |
| % Toluene-d8 | 100 | | % | 05/19/11 | | H/J | SW8260 |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/12/11 | 8:45 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31568

Project ID: TRANSLITE INC.

Client ID: MW-12 (0-0.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 95 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/12/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | 14 | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.4 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 28 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12 (0-0.5)

Phoenix I.D.: BA31568

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 28 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Benzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromoform | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloroform | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.4 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 34 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Styrene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrachloroethene | 100 | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Toluene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.6 | ug/Kg | 05/19/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 05/19/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 90 | | % | 05/19/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12 (0-0.5)

Phoenix I.D.: BA31568

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 94 | | % | 05/19/11 | | H/J | SW8260 |
| % Toluene-d8 | 102 | | % | 05/19/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/12/11 | 9:00 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31569

Project ID: TRANSLITE INC.

Client ID: MW-12 (2.5-3.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/12/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 7.2 | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 4.2 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 35 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12 (2.5-3.0)

Phoenix I.D.: BA31569

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 35 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 140 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 4.2 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 42 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | 9.7 | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 14 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 7.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 96 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 98 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12 (2.5-3.0)

Phoenix I.D.: BA31569

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 104 | | % | 05/18/11 | | R/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/12/11 | 13:00 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31570

Project ID: TRANSLITE INC.

Client ID: MW-13 (0-0.5)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 98 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/12/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.1 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (0-0.5)

Phoenix I.D.: BA31570

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.1 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 31 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.2 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 97 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (0-0.5)

Phoenix I.D.: BA31570

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 102 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/12/11 | 13:20 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31571

Project ID: TRANSLITE INC.

Client ID: MW-13 (3.5-4.0)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 82 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/12/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.8 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 32 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (3.5-4.0)

Phoenix I.D.: BA31571

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 32 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 130 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.8 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 38 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 6.3 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 97 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (3.5-4.0)

Phoenix I.D.: BA31571

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 95 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 104 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/12/11 | 13:20 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31572

Project ID: TRANSLITE INC.

Client ID: MW-13 (3.5-4.0 DUP)

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 81 | | % | 05/16/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/12/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.9 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 32 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (3.5-4.0 DUP)

Phoenix I.D.: BA31572

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 32 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acetone | ND | 130 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Benzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromoform | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Bromomethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloroform | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Chloromethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.9 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromoethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dibromomethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 39 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Methylene chloride | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Naphthalene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| o-Xylene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Styrene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Toluene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Total Xylenes | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 13 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichloroethene | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 6.5 | ug/Kg | 05/18/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 05/18/11 | | H/J | SW8260 |
| % Bromofluorobenzene | 95 | | % | 05/18/11 | | H/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 (3.5-4.0 DUP)

Phoenix I.D.: BA31572

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 05/18/11 | | H/J | SW8260 |
| % Toluene-d8 | 100 | | % | 05/18/11 | | H/J | SW8260 |

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 0:00 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31573

Project ID: TRANSLITE INC.

Client ID: TRIP BLANK H

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 100 | 1 | % | 05/17/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 1300 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK H

Phoenix I.D.: BA31573

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1300 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 5000 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 500 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 3000 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 500 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 500 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 500 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 250 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 86 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 98 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK H

Phoenix I.D.: BA31573

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 95 | | % | 05/18/11 | | R/J | SW8260 |

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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**
**May 24, 2011**

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

May 23, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | RA | 05/09/11 | 0:00 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31558
Phoenix ID: BA31574

Project ID: TRANSLITE INC.

Client ID: TRIP BLANK L

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 100 | 1 | % | 05/17/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 05/09/11 | | RA | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 25 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK L

Phoenix I.D.: BA31574

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 25 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Benzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromoform | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloroform | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 30 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Styrene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrachloroethene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Toluene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.0 | ug/Kg | 05/18/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 88 | | % | 05/18/11 | | R/J | SW8260 |
| % Bromofluorobenzene | 103 | | % | 05/18/11 | | R/J | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK L

Phoenix I.D.: BA31574

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 92 | | % | 05/18/11 | | R/J | SW8260 |
| % Toluene-d8 | 98 | | % | 05/18/11 | | R/J | SW8260 |

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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**
**May 24, 2011**

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

May 24, 2011

## QA/QC Data

SDG I.D.: GBA31558

QA/QC Batch 177182, QC Sample No: BA31567 (BA31558, BA31563 (50X) , BA31566, BA31567, BA31568)

### Volatiles

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 109 | 105 | 3.7 | 108 | 107 | 0.9 |
| 1,1,1-Trichloroethane | ND | 114 | 106 | 7.3 | 108 | 113 | 4.5 |
| 1,1,2,2-Tetrachloroethane | ND | 87 | 88 | 1.1 | 96 | 95 | 1.0 |
| 1,1,2-Trichloroethane | ND | 93 | 98 | 5.2 | 94 | 98 | 4.2 |
| 1,1-Dichloroethane | ND | 104 | 102 | 1.9 | 101 | 109 | 7.6 |
| 1,1-Dichloroethene | ND | 98 | 103 | 5.0 | 83 | 87 | 4.7 |
| 1,1-Dichloropropene | ND | 106 | 109 | 2.8 | 115 | 122 | 5.9 |
| 1,2,3-Trichlorobenzene | ND | 88 | 88 | 0.0 | 101 | 98 | 3.0 |
| 1,2,3-Trichloropropane | ND | 94 | 94 | 0.0 | 98 | 83 | 16.6 |
| 1,2,4-Trichlorobenzene | ND | 83 | 87 | 4.7 | 103 | 103 | 0.0 |
| 1,2,4-Trimethylbenzene | ND | 106 | 106 | 0.0 | 116 | 113 | 2.6 |
| 1,2-Dibromo-3-chloropropane | ND | 84 | 93 | 10.2 | 87 | 85 | 2.3 |
| 1,2-Dichlorobenzene | ND | 94 | 96 | 2.1 | 103 | 104 | 1.0 |
| 1,2-Dichloroethane | ND | 96 | 102 | 6.1 | 98 | 104 | 5.9 |
| 1,2-Dichloropropane | ND | 105 | 111 | 5.6 | 108 | 114 | 5.4 |
| 1,3,5-Trimethylbenzene | ND | 108 | 106 | 1.9 | 119 | 114 | 4.3 |
| 1,3-Dichlorobenzene | ND | 94 | 97 | 3.1 | 108 | 106 | 1.9 |
| 1,3-Dichloropropane | ND | 99 | 98 | 1.0 | 102 | 103 | 1.0 |
| 1,4-Dichlorobenzene | ND | 90 | 94 | 4.3 | 105 | 105 | 0.0 |
| 2,2-Dichloropropane | ND | 115 | 103 | 11.0 | 112 | 108 | 3.6 |
| 2-Chlorotoluene | ND | 105 | 101 | 3.9 | 114 | 110 | 3.6 |
| 2-Hexanone | ND | 65 | 66 | 1.5 | 60 | 60 | 0.0 |
| 2-Isopropyltoluene | ND | 109 | 108 | 0.9 | 118 | 117 | 0.9 |
| 4-Chlorotoluene | ND | 95 | 98 | 3.1 | 113 | 111 | 1.8 |
| 4-Methyl-2-pentanone | ND | 81 | 89 | 9.4 | 88 | 87 | 1.1 |
| Acetone | ND | 55 | 71 | 25.4 | <40 | <40 | NC |
| Acrylonitrile | ND | 82 | 84 | 2.4 | 88 | 92 | 4.4 |
| Benzene | ND | 107 | 110 | 2.8 | 114 | 117 | 2.6 |
| Bromobenzene | ND | 99 | 101 | 2.0 | 107 | 106 | 0.9 |
| Bromochloromethane | ND | 96 | 99 | 3.1 | 98 | 106 | 7.8 |
| Bromodichloromethane | ND | 105 | 111 | 5.6 | 104 | 108 | 3.8 |
| Bromoform | ND | 86 | 92 | 6.7 | 86 | 90 | 4.5 |
| Bromomethane | ND | 94 | 101 | 7.2 | 54 | 51 | 5.7 |
| Carbon Disulfide | ND | 96 | 102 | 6.1 | 80 | 84 | 4.9 |
| Carbon tetrachloride | ND | 119 | 109 | 8.8 | 107 | 95 | 11.9 |
| Chlorobenzene | ND | 101 | 101 | 0.0 | 109 | 110 | 0.9 |
| Chloroethane | ND | 96 | 101 | 5.1 | <40 | <40 | NC |
| Chloroform | ND | 113 | 104 | 8.3 | 104 | 110 | 5.6 |
| Chloromethane | ND | 96 | 99 | 3.1 | 109 | 113 | 3.6 |
| cis-1,2-Dichloroethene | ND | 115 | 115 | 0.0 | 99 | 109 | 9.6 |
| cis-1,3-Dichloropropene | ND | 99 | 103 | 4.0 | 104 | 106 | 1.9 |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | 96 | 96 | 0.0 | 97 | 99 | 2.0 |
| Dibromoethane | ND | 88 | 97 | 9.7 | 93 | 97 | 4.2 |
| Dibromomethane | ND | 91 | 96 | 5.3 | 91 | 96 | 5.3 |
| Dichlorodifluoromethane | ND | 58 | 63 | 8.3 | 119 | 125 | 4.9 |
| Ethylbenzene | ND | 106 | 106 | 0.0 | 115 | 116 | 0.9 |
| Hexachlorobutadiene | ND | 98 | 92 | 6.3 | 119 | 116 | 2.6 |
| Isopropylbenzene | ND | 112 | 111 | 0.9 | 123 | 118 | 4.1 |
| m&p-Xylene | ND | 104 | 104 | 0.0 | 115 | 114 | 0.9 |
| Methyl ethyl ketone | ND | 63 | 64 | 1.6 | 58 | 56 | 3.5 |
| Methyl t-butyl ether (MTBE) | ND | 93 | 95 | 2.1 | 88 | 85 | 3.5 |
| Methylene chloride | ND | 92 | 99 | 7.3 | 84 | 85 | 1.2 |
| Naphthalene | ND | 88 | 89 | 1.1 | 96 | 93 | 3.2 |
| n-Butylbenzene | ND | 101 | 104 | 2.9 | 118 | 118 | 0.0 |
| n-Propylbenzene | ND | 103 | 102 | 1.0 | 118 | 115 | 2.6 |
| o-Xylene | ND | 107 | 106 | 0.9 | 113 | 114 | 0.9 |
| p-Isopropyltoluene | ND | 109 | 111 | 1.8 | 120 | 117 | 2.5 |
| sec-Butylbenzene | ND | 108 | 107 | 0.9 | 121 | 118 | 2.5 |
| Styrene | ND | 101 | 101 | 0.0 | 109 | 107 | 1.9 |
| tert-Butylbenzene | ND | 114 | 111 | 2.7 | 123 | 119 | 3.3 |
| Tetrachloroethene | ND | 104 | 100 | 3.9 | 119 | 119 | 0.0 |
| Tetrahydrofuran (THF) | ND | 81 | 87 | 7.1 | 89 | 91 | 2.2 |
| Toluene | ND | 105 | 109 | 3.7 | 110 | 115 | 4.4 |
| trans-1,2-Dichloroethene | ND | 87 | 93 | 6.7 | 98 | 95 | 3.1 |
| trans-1,3-Dichloropropene | ND | 93 | 98 | 5.2 | 96 | 99 | 3.1 |
| trans-1,4-dichloro-2-butene | ND | 86 | 89 | 3.4 | 85 | 85 | 0.0 |
| Trichloroethene | ND | 107 | 113 | 5.5 | 111 | 114 | 2.7 |
| Trichlorofluoromethane | ND | 117 | 122 | 4.2 | <40 | <40 | NC |
| Trichlorotrifluoroethane | ND | 97 | 102 | 5.0 | 87 | 90 | 3.4 |
| Vinyl chloride | ND | 89 | 93 | 4.4 | 108 | 113 | 4.5 |
| % 1,2-dichlorobenzene-d4 | 99 | 99 | 100 | 1.0 | 97 | 97 | 0.0 |
| % Bromofluorobenzene | 93 | 97 | 100 | 3.0 | 100 | 102 | 2.0 |
| % Dibromofluoromethane | 93 | 102 | 95 | 7.1 | 91 | 99 | 8.4 |
| % Toluene-d8 | 101 | 100 | 103 | 3.0 | 98 | 102 | 4.0 |

QA/QC Batch 177181, QC Sample No: BA31736 (BA31560, BA31561, BA31563, BA31565, BA31569, BA31570, BA31571, BA31572)

## Volatiles

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 107 | 108 | 0.9 | 99 | 102 | 3.0 |
| 1,1,1-Trichloroethane | ND | 98 | 95 | 3.1 | 97 | 97 | 0.0 |
| 1,1,2,2-Tetrachloroethane | ND | 92 | 96 | 4.3 | 88 | 83 | 5.8 |
| 1,1,2-Trichloroethane | ND | 102 | 100 | 2.0 | 92 | 89 | 3.3 |
| 1,1-Dichloroethane | ND | 95 | 103 | 8.1 | 97 | 85 | 13.2 |
| 1,1-Dichloroethene | ND | 98 | 93 | 5.2 | 83 | 81 | 2.4 |
| 1,1-Dichloropropene | ND | 103 | 100 | 3.0 | 101 | 99 | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 88 | 93 | 5.5 | 86 | 77 | 11.0 |
| 1,2,3-Trichloropropane | ND | 96 | 103 | 7.0 | 87 | 92 | 5.6 |
| 1,2,4-Trichlorobenzene | ND | 82 | 85 | 3.6 | 82 | 69 | 17.2 |
| 1,2,4-Trimethylbenzene | ND | 98 | 101 | 3.0 | 95 | 96 | 1.0 |
| 1,2-Dibromo-3-chloropropane | ND | 95 | 97 | 2.1 | 86 | 82 | 4.8 |
| 1,2-Dichlorobenzene | ND | 93 | 92 | 1.1 | 89 | 86 | 3.4 |
| 1,2-Dichloroethane | ND | 101 | 99 | 2.0 | 92 | 90 | 2.2 |
| 1,2-Dichloropropane | ND | 106 | 106 | 0.0 | 103 | 104 | 1.0 |
| 1,3,5-Trimethylbenzene | ND | 98 | 101 | 3.0 | 96 | 99 | 3.1 |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| 1,3-Dichlorobenzene | ND | 91 | 92 | 1.1 | 88 | 84 | 4.7 |
| 1,3-Dichloropropane | ND | 103 | 103 | 0.0 | 97 | 96 | 1.0 |
| 1,4-Dichlorobenzene | ND | 88 | 89 | 1.1 | 85 | 81 | 4.8 |
| 2,2-Dichloropropane | ND | 94 | 109 | 14.8 | 97 | 91 | 6.4 |
| 2-Chlorotoluene | ND | 97 | 98 | 1.0 | 95 | 96 | 1.0 |
| 2-Hexanone | ND | 68 | 69 | 1.5 | 80 | 63 | 23.8 |
| 2-Isopropyltoluene | ND | 101 | 102 | 1.0 | 100 | 101 | 1.0 |
| 4-Chlorotoluene | ND | 91 | 92 | 1.1 | 90 | 89 | 1.1 |
| 4-Methyl-2-pentanone | ND | 94 | 96 | 2.1 | 85 | 83 | 2.4 |
| Acetone | ND | 74 | 57 | 26.0 | 75 | 56 | 29.0 |
| Acrylonitrile | ND | 93 | 98 | 5.2 | 81 | 67 | 18.9 |
| Benzene | ND | 105 | 104 | 1.0 | 103 | 104 | 1.0 |
| Bromobenzene | ND | 98 | 100 | 2.0 | 94 | 95 | 1.1 |
| Bromochloromethane | ND | 98 | 100 | 2.0 | 88 | 80 | 9.5 |
| Bromodichloromethane | ND | 108 | 107 | 0.9 | 101 | 99 | 2.0 |
| Bromoform | ND | 101 | 100 | 1.0 | 87 | 84 | 3.5 |
| Bromomethane | ND | 92 | 89 | 3.3 | 77 | 76 | 1.3 |
| Carbon Disulfide | ND | 98 | 94 | 4.2 | 75 | 74 | 1.3 |
| Carbon tetrachloride | ND | 100 | 99 | 1.0 | 99 | 100 | 1.0 |
| Chlorobenzene | ND | 98 | 97 | 1.0 | 95 | 94 | 1.1 |
| Chloroethane | ND | 97 | 91 | 6.4 | 79 | 78 | 1.3 |
| Chloroform | ND | 99 | 99 | 0.0 | 95 | 96 | 1.0 |
| Chloromethane | ND | 94 | 93 | 1.1 | 90 | 93 | 3.3 |
| cis-1,2-Dichloroethene | ND | 110 | 117 | 6.2 | 93 | 83 | 11.4 |
| cis-1,3-Dichloropropene | ND | 102 | 100 | 2.0 | 101 | 95 | 6.1 |
| Dibromochloromethane | ND | 102 | 102 | 0.0 | 93 | 94 | 1.1 |
| Dibromoethane | ND | 102 | 97 | 5.0 | 92 | 88 | 4.4 |
| Dibromomethane | ND | 98 | 96 | 2.1 | 90 | 87 | 3.4 |
| Dichlorodifluoromethane | ND | 58 | 57 | 1.7 | 84 | 86 | 2.4 |
| Ethylbenzene | ND | 101 | 101 | 0.0 | 98 | 98 | 0.0 |
| Hexachlorobutadiene | ND | 88 | 92 | 4.4 | 91 | 95 | 4.3 |
| Isopropylbenzene | ND | 101 | 105 | 3.9 | 102 | 107 | 4.8 |
| m&p-Xylene | ND | 99 | 101 | 2.0 | 94 | 95 | 1.1 |
| Methyl ethyl ketone | ND | 65 | 64 | 1.6 | 74 | 58 | 24.2 |
| Methyl t-butyl ether (MTBE) | ND | 100 | 101 | 1.0 | 79 | 77 | 2.6 |
| Methylene chloride | ND | 97 | 96 | 1.0 | 76 | 75 | 1.3 |
| Naphthalene | ND | 94 | 100 | 6.2 | 89 | 86 | 3.4 |
| n-Butylbenzene | ND | 94 | 95 | 1.1 | 88 | 89 | 1.1 |
| n-Propylbenzene | ND | 94 | 94 | 0.0 | 95 | 99 | 4.1 |
| o-Xylene | ND | 105 | 105 | 0.0 | 100 | 98 | 2.0 |
| p-Isopropyltoluene | ND | 102 | 104 | 1.9 | 95 | 97 | 2.1 |
| sec-Butylbenzene | ND | 99 | 101 | 2.0 | 99 | 102 | 3.0 |
| Styrene | ND | 101 | 100 | 1.0 | 95 | 93 | 2.1 |
| tert-Butylbenzene | ND | 103 | 106 | 2.9 | 103 | 107 | 3.8 |
| Tetrachloroethene | ND | 98 | 99 | 1.0 | 95 | 97 | 2.1 |
| Tetrahydrofuran (THF) | ND | 92 | 94 | 2.2 | 82 | 80 | 2.5 |
| Toluene | ND | 104 | 103 | 1.0 | 100 | 98 | 2.0 |
| trans-1,2-Dichloroethene | ND | 89 | 88 | 1.1 | 81 | 80 | 1.2 |
| trans-1,3-Dichloropropene | ND | 99 | 98 | 1.0 | 95 | 89 | 6.5 |
| trans-1,4-dichloro-2-butene | ND | 92 | 94 | 2.2 | 87 | 74 | 16.1 |
| Trichloroethene | ND | 108 | 104 | 3.8 | 98 | 103 | 5.0 |
| Trichlorofluoromethane | ND | 113 | 110 | 2.7 | 82 | 81 | 1.2 |
| Trichlorotrifluoroethane | ND | 98 | 94 | 4.2 | 84 | 83 | 1.2 |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| Vinyl chloride | ND | 87 | 84 | 3.5 | 82 | 80 | 2.5 |
| % 1,2-dichlorobenzene-d4 | 99 | 98 | 99 | 1.0 | 101 | 97 | 4.0 |
| % Bromofluorobenzene | 93 | 101 | 100 | 1.0 | 103 | 101 | 2.0 |
| % Dibromofluoromethane | 96 | 95 | 95 | 0.0 | 92 | 94 | 2.2 |
| % Toluene-d8 | 101 | 101 | 100 | 1.0 | 103 | 102 | 1.0 |

QA/QC Batch 177093, QC Sample No: BA31738 (BA31573, BA31574)

## Volatiles

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 100 | 99 | 1.0 | 117 | 99 | 16.7 |
| 1,1,1-Trichloroethane | ND | 81 | 78 | 3.8 | 95 | 79 | 18.4 |
| 1,1,2,2-Tetrachloroethane | ND | 98 | 92 | 6.3 | 98 | 98 | 0.0 |
| 1,1,2-Trichloroethane | ND | 88 | 80 | 9.5 | 93 | 85 | 9.0 |
| 1,1-Dichloroethane | ND | 79 | 77 | 2.6 | 92 | 77 | 17.8 |
| 1,1-Dichloroethene | ND | 80 | 73 | 9.2 | 106 | 80 | 28.0 |
| 1,1-Dichloropropene | ND | 83 | 80 | 3.7 | 107 | 86 | 21.8 |
| 1,2,3-Trichlorobenzene | ND | 124 | 107 | 14.7 | 119 | 116 | 2.6 |
| 1,2,3-Trichloropropane | ND | 109 | 97 | 11.7 | 96 | 101 | 5.1 |
| 1,2,4-Trichlorobenzene | ND | 113 | 95 | 17.3 | 116 | 111 | 4.4 |
| 1,2,4-Trimethylbenzene | ND | 115 | 105 | 9.1 | 128 | 110 | 15.1 |
| 1,2-Dibromo-3-chloropropane | ND | 112 | 110 | 1.8 | 104 | 115 | 10.0 |
| 1,2-Dichlorobenzene | ND | 108 | 100 | 7.7 | 119 | 108 | 9.7 |
| 1,2-Dichloroethane | ND | 91 | 86 | 5.6 | 93 | 86 | 7.8 |
| 1,2-Dichloropropane | ND | 84 | 79 | 6.1 | 98 | 84 | 15.4 |
| 1,3,5-Trimethylbenzene | ND | 108 | 96 | 11.8 | 122 | 102 | 17.9 |
| 1,3-Dichlorobenzene | ND | 109 | 97 | 11.7 | 120 | 104 | 14.3 |
| 1,3-Dichloropropane | ND | 102 | 99 | 3.0 | 110 | 103 | 6.6 |
| 1,4-Dichlorobenzene | ND | 105 | 93 | 12.1 | 115 | 104 | 10.0 |
| 2,2-Dichloropropane | ND | 82 | 77 | 6.3 | 90 | 75 | 18.2 |
| 2-Chlorotoluene | ND | 101 | 91 | 10.4 | 115 | 96 | 18.0 |
| 2-Hexanone | ND | 87 | 69 | 23.1 | 72 | 73 | 1.4 |
| 2-Isopropyltoluene | ND | 113 | 106 | 6.4 | 132 | 110 | 18.2 |
| 4-Chlorotoluene | ND | 106 | 93 | 13.1 | 122 | 104 | 15.9 |
| 4-Methyl-2-pentanone | ND | 84 | 78 | 7.4 | 79 | 82 | 3.7 |
| Acetone | ND | 63 | 41 | 42.3 | 52 | 47 | 10.1 |
| Acrylonitrile | ND | 81 | 75 | 7.7 | 82 | 83 | 1.2 |
| Benzene | ND | 89 | 84 | 5.8 | 105 | 88 | 17.6 |
| Bromobenzene | ND | 101 | 93 | 8.2 | 106 | 95 | 10.9 |
| Bromochloromethane | ND | 81 | 78 | 3.8 | 92 | 81 | 12.7 |
| Bromodichloromethane | ND | 88 | 81 | 8.3 | 93 | 80 | 15.0 |
| Bromoform | ND | 108 | 104 | 3.8 | 112 | 104 | 7.4 |
| Bromomethane | ND | 75 | 75 | 0.0 | 80 | 54 | 38.8 |
| Carbon Disulfide | ND | 78 | 72 | 8.0 | 93 | 71 | 26.8 |
| Carbon tetrachloride | ND | 89 | 83 | 7.0 | 98 | 84 | 15.4 |
| Chlorobenzene | ND | 94 | 91 | 3.2 | 118 | 99 | 17.5 |
| Chloroethane | ND | 77 | 73 | 5.3 | 44 | <40 | NC |
| Chloroform | ND | 82 | 79 | 3.7 | 90 | 79 | 13.0 |
| Chloromethane | ND | 79 | 73 | 7.9 | 78 | 70 | 10.8 |
| cis-1,2-Dichloroethene | ND | 93 | 89 | 4.4 | 93 | 81 | 13.8 |
| cis-1,3-Dichloropropene | ND | 88 | 80 | 9.5 | 90 | 84 | 6.9 |
| Dibromochloromethane | ND | 98 | 94 | 4.2 | 108 | 100 | 7.7 |
| Dibromoethane | ND | 84 | 81 | 3.6 | 87 | 87 | 0.0 |
| Dibromomethane | ND | 82 | 77 | 6.3 | 86 | 84 | 2.4 |
| Dichlorodifluoromethane | ND | 54 | 53 | 1.9 | 81 | 68 | 17.4 |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| Ethylbenzene | ND | 97 | 91 | 6.4 | 120 | 102 | 16.2 |
| Hexachlorobutadiene | ND | 113 | 102 | 10.2 | 140 | 113 | 21.3 |
| Isopropylbenzene | ND | 103 | 94 | 9.1 | 117 | 98 | 17.7 |
| m&p-Xylene | ND | 98 | 95 | 3.1 | 126 | 104 | 19.1 |
| Methyl ethyl ketone | ND | 60 | 46 | 26.4 | 58 | 57 | 1.7 |
| Methyl t-butyl ether (MTBE) | ND | 102 | 93 | 9.2 | 102 | 93 | 9.2 |
| Methylene chloride | ND | 81 | 75 | 7.7 | 94 | 76 | 21.2 |
| Naphthalene | ND | 138 | 124 | 10.7 | 138 | >150 | NC |
| n-Butylbenzene | ND | 114 | 102 | 11.1 | 131 | 112 | 15.6 |
| n-Propylbenzene | ND | 98 | 91 | 7.4 | 122 | 100 | 19.8 |
| o-Xylene | ND | 102 | 98 | 4.0 | 125 | 105 | 17.4 |
| p-Isopropyltoluene | ND | 117 | 108 | 8.0 | 135 | 112 | 18.6 |
| sec-Butylbenzene | ND | 112 | 101 | 10.3 | 133 | 110 | 18.9 |
| Styrene | ND | 102 | 97 | 5.0 | 122 | 105 | 15.0 |
| tert-Butylbenzene | ND | 112 | 105 | 6.5 | 132 | 110 | 18.2 |
| Tetrachloroethene | ND | 91 | 88 | 3.4 | 122 | 99 | 20.8 |
| Tetrahydrofuran (THF) | ND | 81 | 72 | 11.8 | 81 | 83 | 2.4 |
| Toluene | ND | 82 | 80 | 2.5 | 99 | 83 | 17.6 |
| trans-1,2-Dichloroethene | ND | 73 | 70 | 4.2 | 113 | 84 | 29.4 |
| trans-1,3-Dichloropropene | ND | 89 | 80 | 10.7 | 86 | 84 | 2.4 |
| trans-1,4-dichloro-2-butene | ND | 114 | 98 | 15.1 | 88 | 96 | 8.7 |
| Trichloroethene | ND | 92 | 86 | 6.7 | 107 | 90 | 17.3 |
| Trichlorofluoromethane | ND | 95 | 87 | 8.8 | 72 | 45 | 46.2 |
| Trichlorotrifluoroethane | ND | 86 | 76 | 12.3 | 115 | 89 | 25.5 |
| Vinyl chloride | ND | 75 | 72 | 4.1 | 77 | 63 | 20.0 |
| % 1,2-dichlorobenzene-d4 | 85 | 86 | 84 | 2.4 | 82 | 84 | 2.4 |
| % Bromofluorobenzene | 101 | 109 | 108 | 0.9 | 111 | 110 | 0.9 |
| % Dibromofluoromethane | 88 | 95 | 90 | 5.4 | 89 | 94 | 5.5 |
| % Toluene-d8 | 95 | 94 | 93 | 1.1 | 95 | 92 | 3.2 |

QA/QC Batch 177174, QC Sample No: BA32777 (BA31559, BA31562)

## Volatiles

| | | | | | |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 99 | 112 | 12.3 | 96 |
| 1,1,1-Trichloroethane | ND | 79 | 93 | 16.3 | 75 |
| 1,1,2,2-Tetrachloroethane | ND | 98 | 105 | 6.9 | 90 |
| 1,1,2-Trichloroethane | ND | 89 | 88 | 1.1 | 76 |
| 1,1-Dichloroethane | ND | 82 | 89 | 8.2 | 75 |
| 1,1-Dichloroethene | ND | 85 | 78 | 8.6 | 75 |
| 1,1-Dichloropropene | ND | 91 | 96 | 5.3 | 85 |
| 1,2,3-Trichlorobenzene | ND | 124 | 117 | 5.8 | 119 |
| 1,2,3-Trichloropropane | ND | 102 | 113 | 10.2 | 90 |
| 1,2,4-Trichlorobenzene | ND | 130 | 112 | 14.9 | 122 |
| 1,2,4-Trimethylbenzene | ND | 112 | 122 | 8.5 | 109 |
| 1,2-Dibromo-3-chloropropane | ND | 104 | 120 | 14.3 | 105 |
| 1,2-Dichlorobenzene | ND | 112 | 115 | 2.6 | 105 |
| 1,2-Dichloroethane | ND | 90 | 99 | 9.5 | 81 |
| 1,2-Dichloropropane | ND | 83 | 88 | 5.8 | 78 |
| 1,3,5-Trimethylbenzene | ND | 104 | 114 | 9.2 | 102 |
| 1,3-Dichlorobenzene | ND | 114 | 114 | 0.0 | 107 |
| 1,3-Dichloropropane | ND | 101 | 110 | 8.5 | 95 |
| 1,4-Dichlorobenzene | ND | 112 | 109 | 2.7 | 104 |
| 2,2-Dichloropropane | ND | 87 | 91 | 4.5 | 77 |
| 2-Chlorotoluene | ND | 99 | 108 | 8.7 | 95 |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| 2-Hexanone | ND | 131 | 102 | 24.9 | 64 | | |
| 2-Isopropyltoluene | ND | 109 | 120 | 9.6 | 109 | | |
| 4-Chlorotoluene | ND | 109 | 114 | 4.5 | 103 | | |
| 4-Methyl-2-pentanone | ND | 96 | 87 | 9.8 | 74 | | |
| Acetone | ND | 91 | 64 | 34.8 | <40 | | |
| Acrylonitrile | ND | 81 | 90 | 10.5 | 73 | | |
| Benzene | ND | 90 | 97 | 7.5 | 84 | | |
| Bromobenzene | ND | 100 | 108 | 7.7 | 92 | | |
| Bromochloromethane | ND | 83 | 89 | 7.0 | 73 | | |
| Bromodichloromethane | ND | 85 | 91 | 6.8 | 76 | | |
| Bromoform | ND | 109 | 115 | 5.4 | 100 | | |
| Bromomethane | ND | 100 | 65 | 42.4 | 46 | | |
| Carbon Disulfide | ND | 87 | 76 | 13.5 | 70 | | |
| Carbon tetrachloride | ND | 86 | 97 | 12.0 | 80 | | |
| Chlorobenzene | ND | 99 | 105 | 5.9 | 95 | | |
| Chloroethane | ND | 87 | 70 | 21.7 | <40 | | |
| Chloroform | ND | 81 | 90 | 10.5 | 74 | | |
| Chloromethane | ND | 88 | 92 | 4.4 | 71 | | |
| cis-1,2-Dichloroethene | ND | 81 | 90 | 10.5 | 75 | | |
| cis-1,3-Dichloropropene | ND | 93 | 95 | 2.1 | 83 | | |
| Dibromochloromethane | ND | 98 | 107 | 8.8 | 93 | | |
| Dibromoethane | ND | 88 | 90 | 2.2 | 74 | | |
| Dibromomethane | ND | 82 | 89 | 8.2 | 75 | | |
| Dichlorodifluoromethane | ND | 102 | 117 | 13.7 | 87 | | |
| Ethylbenzene | ND | 101 | 106 | 4.8 | 97 | | |
| Hexachlorobutadiene | ND | 109 | 117 | 7.1 | 114 | | |
| Isopropylbenzene | ND | 99 | 111 | 11.4 | 95 | | |
| m&p-Xylene | ND | 105 | 108 | 2.8 | 101 | | |
| Methyl ethyl ketone | ND | 90 | 77 | 15.6 | 48 | | |
| Methyl t-butyl ether (MTBE) | ND | 93 | 112 | 18.5 | 93 | | |
| Methylene chloride | ND | 77 | 76 | 1.3 | 66 | | |
| Naphthalene | ND | 123 | 130 | 5.5 | 124 | | |
| n-Butylbenzene | ND | 118 | 112 | 5.2 | 116 | | |
| n-Propylbenzene | ND | 103 | 107 | 3.8 | 98 | | |
| o-Xylene | ND | 104 | 110 | 5.6 | 101 | | |
| p-Isopropyltoluene | ND | 113 | 119 | 5.2 | 121 | | |
| sec-Butylbenzene | ND | 108 | 116 | 7.1 | 106 | | |
| Styrene | ND | 106 | 111 | 4.6 | 102 | | |
| tert-Butylbenzene | ND | 106 | 121 | 13.2 | 103 | | |
| Tetrachloroethene | ND | 100 | 100 | 0.0 | 96 | | |
| Tetrahydrofuran (THF) | ND | 82 | 86 | 4.8 | 76 | | |
| Toluene | ND | 85 | 89 | 4.6 | 78 | | |
| trans-1,2-Dichloroethene | ND | 86 | 83 | 3.6 | 79 | | |
| trans-1,3-Dichloropropene | ND | 95 | 95 | 0.0 | 81 | | |
| trans-1,4-dichloro-2-butene | ND | 120 | 122 | 1.7 | 101 | | |
| Trichloroethene | ND | 90 | 100 | 10.5 | 86 | | |
| Trichlorofluoromethane | ND | 83 | 78 | 6.2 | <40 | | |
| Trichlorotrifluoroethane | ND | 87 | 82 | 5.9 | 83 | | |
| Vinyl chloride | ND | 92 | 89 | 3.3 | 62 | | |
| % 1,2-dichlorobenzene-d4 | 86 | 83 | 84 | 1.2 | 85 | | |
| % Bromofluorobenzene | 98 | 109 | 114 | 4.5 | 115 | | |
| % Dibromofluoromethane | 92 | 97 | 94 | 3.1 | 96 | | |
| % Toluene-d8 | 97 | 96 | 93 | 3.2 | 94 | | |

# QA/QC Data

SDG I.D.: GBA31558

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|

Comment:

Due to poor instrument purge, the MSD is not reported for this batch.

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
May 24, 2011

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, GWP, RC, SWP

**GBA31558**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA31558 | MACTECCT | $8260MAR | Chloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 54 | 54 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Vinyl chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 40 | 40 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Bromomethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 200 | 200 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,1-Dichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 140 | 140 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Methylene chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 10 | 10 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Chloroform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 120 | 120 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Carbon tetrachloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Trichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,2-Dichloropropane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 11 | 11 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,1,2-Trichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 10 | 10 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 94000 | 5100 | 100 | 100 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 150 | 10 | 10 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | Bromoform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 80 | 80 | ug/Kg |
| BA31558 | MACTECCT | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 150 | 10 | 10 | ug/Kg |
| BA31563 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 4100 | 340 | 100 | 100 | 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:** MACTECCT

**Project Location:** TRANSLITE INC. **Project Number:**

**Laboratory Sample ID(s):** BA31558, BA31559, BA31560, BA31561, BA31562, BA31563, BA31564, BA31565, BA31566, BA31567, BA31568, BA31569, BA31570, BA31571, BA31572, BA31573, BA31574

**Sampling Date(s):** 5/10/2011, 5/11/2011, 5/12/2011, 5/9/2011

**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 Protocol documents? | ☑ 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 Section: 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 matrix spikes and laboratory duplicates 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: Tuesday, May 24, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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

# RCP Certification Report

**May 24, 2011**

**SDG I.D.: GBA31558**

For sample ID BA31558 not all of the requested criteria could be achieved due to the presence of a target compound.

## VOA Narration

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

**The LCS and/or LCSD recovery for 2-Hexanone, acetone, bromomethane, dichlorodifluoromethane, MEK is below the lower range. A low bias for these compounds is possible.**

**Instrument:** Chem03 05/17/11-2 (BA31573, BA31574)

Initial Calibration Verification (RCPS_0515):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Acetone, M&p-xylene, O-xylene, Styrene, N-propylbenzene, 1,3,5-trimethylbenzene, Naphthalene

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** Johanna Harrington
**Position:** Chemist
**Date:** 5/17/2011

**Instrument:** Chem03 05/18/11-1 (BA31559, BA31562)

Initial Calibration Verification (RCPS_0515):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Acetone, M&p-xylene, O-xylene, Styrene, N-propylbenzene, 1,3,5-trimethylbenzene, Naphthalene

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%: 2-Hexanone, 1,2,4-Trichlorobenzene, Naphthalene, 1,2,3-Trichlorobenzene

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 5/18/2011

**Instrument:** Chem11 05/17/11-2 (BA31560, BA31561, BA31563, BA31565, BA31569, BA31570, BA31571, BA31572)

Initial Calibration Verification (CHEM11/RCPS_0513):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Bromomethane, Chloroethane

Continuing Calibration Verification:

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

# RCP Certification Report

**May 24, 2011**

**SDG I.D.: GBA31558**

>80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >30%: Tetrahydrofuran (THF)

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 5/17/2011

**Instrument:** Chem11 05/18/11-2 (BA31558, BA31563, BA31566, BA31567, BA31568)

Initial Calibration Verification (CHEM11/RCPS_0513):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Bromomethane, Chloroethane

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%: None.

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 5/18/2011

**Instrument:** Chem11 05/19/11-3 (BA31558)

Initial Calibration Verification (CHEM11/RCPS_0513):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Bromomethane, Chloroethane

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%:

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 5/19/2011

**QC Comments:** QC Batch 77174 05/19/11 (BA31559, BA31562)

Due to poor instrument purge, the MSD is not reported for this batch.

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

# RCP Certification Report

**May 24, 2011**

**SDG I.D.: GBA31558**

**QC (Site Specific)**

---------- Sample No: BA31567 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Acetone, Dichlorodifluoromethane, Methyl ethyl ketone

All LCSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Dichlorodifluoromethane, Methyl ethyl ketone

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, Methyl ethyl ketone, Trichlorofluoromethane

All MSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Acetone, Bromomethane, Chloroethane, Methyl ethyl ketone, 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)**

---------- Sample No: BA31736 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Dichlorodifluoromethane, Methyl ethyl ketone

All LCSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Acetone, Dichlorodifluoromethane, Methyl ethyl ketone

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

---------- Sample No: BA31738 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone, Dichlorodifluoromethane, Methyl ethyl ketone, Naphthalene

All LCSD recoveries were within 70 - 130 with the following exceptions: 2-Hexanone, Acetone, Dichlorodifluoromethane, Methyl ethyl ketone

All LCS/LCSD RPDs were less than 30% with the following exceptions: Acetone

---------- Sample No: BA32777 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 2-Hexanone

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone, Bromomethane

All LCS/LCSD RPDs were less than 30% with the following exceptions: Acetone, Bromomethane

## Temperature Narration

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

# RCP Certification Report

**May 24, 2011**

**SDG I.D.: GBA31558**

The samples were received at 3C with cooling initiated.
No bias in the sample results are suspected due to temperature.

| | |
|---|---|
| **Printed Name** | Lori Bryda |
| **Position:** | Login |
| **Date:** | 5/24/2011 2:34:03 PM |

# CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

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

Temp 3°C Pg 1 of 2

**Data Delivery:**
☐ Fax #:
☐ Email:

201105365

Customer: MACTEC
Address: 1090 ELM ST. SUITE 201
ROCKY HILL, CT. 06067

Project: TRANSLITE INC.
Report to: JON YEICH - MACTEC
Invoice to: JON YEICH - MACTEC

Project P.O: ~~3410110095-05~~
Phone #: (860) 529-7191
Fax #: (860) 529-7448

**Client Sample - Information - Identification**

Sampler's Signature: Rene P. Aube
RENE P. AUBE
Date: 5/12/11

**Matrix Code:**
DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
SE=Sediment SL=Sludge S=Soil/Solid W=Wipe O=Other

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | 8260 VOC (5035) | Soil VOA Vials (1) methanol (2) H2O | GL Soil container ( 2 ) oz % H2O | 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 [ ] 1500ml | PL HNO3 250ml | PL NaOH 250ml | Bacteria Bottle | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31558 | MW-08(0.5-2.0) | S | 5/9/11 | 1031 | X | 3 | 1 | | | | | | | | | |
| 31559 | MW-08(3.0-5.0) | S | 5/9/11 | 1034 | X | 3 | 1 | | | | | | | | | |
| ** 31560 | MW-09(0.5-1.0) | S | 5/9/11 | 1445 | X | 3 | 1 | | | | | | | | | High Level Only |
| ** 31561 | MW-09(3.0-4.0) | S | 5/9/11 | 1450 | X | 3 | 1 | | | | | | | | | High Level Only |
| * 31562 | SB-10 (0-0.5) | S | 5/10/11 | 1315 | X | 3 | 1 | | | | | | | | | |
| 31563 | SB-10 (3.0-3.5) | S | 5/10/11 | 1325 | X | 3 | 1 | | | | | | | | | |
| (1) 31564 | MW-10(0-0.5) | S | 5/11/11 | 0725 | X | 3 | 1 | | | | | | | | | |
| 31565 | MW-10(3.0-4.0) | S | 5/11/11 | 0755 | X | 3 | 1 | | | | | | | | | |
| 31566 | MW-11 (0-0.5) | S | 5/11/11 | 1245 | X | 3 | 1 | | | | | | | | | |
| 31567 | MW-11 (3.0-3.5) | S | 5/11/11 | 1310 | X | 3 | 1 | | | | | | | | | |
| 31568 | MW-12(0-0.5) | S | 5/12/11 | 0845 | X | 3 | 1 | | | | | | | | | |
| 31569 | MW-12(2.5-3.0) | S | 5/12/11 | 0900 | X | 3 | 1 | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | John Bingola | 5-16-11 | 08:50 |
| | | | |
| | | | |

**Comments, Special Requirements or Regulations:**
Phoenix Quote # BA040711 (1) Low level VOA broken @ Lab
Low level VOCs frozen within 12 hrs of collection.
* Labeled SB10 0-1.0 ** Rcvd High + Low

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☒ GW Protection
☒ SW Protection
☒ GA Mobility
☒ GB Mobility
☒ Residential DEC
☒ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP Rpt

* SURCHARGE APPLIES

# CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

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

Temp 3°C Pg 2 of 2

**Data Delivery:**
☐ Fax #:
☐ Email:

201105365

Customer: MACTEC
Address: 1090 ELM ST. SUITE 201
ROCKY HILL, CT. 06067

Project: TRANSLITE INC.
Report to: JON YEICH - MACTEC
Invoice to: JON YEICH - MACTEC

Project P.O: ~~3610110095 03~~
Phone #: (860) 529-7191
Fax #: (860) 529-7448

**Client Sample - Information - Identification**

Sampler's Signature: René P. Aubé
RENE P. AUBE
Date: 5/12/11

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**SE**=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | 5260 VOC (5035) | Soil VOA Vials [1] methanol [2] H2O | GL Soil container ( 2 ) oz 2% H2O | 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 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31570 | MW-13(0-0.5) | S | 5/12/11 | 1300 | X | 3 | 1 | | | | | | | | | |
| 31571 | MW-13(3.5-4.0) | S | 5/12/11 | 1320 | X | 3 | 1 | | | | | | | | | |
| 31572 | MW-13(3.5-4.0)DUP | S | 5/12/11 | 1320 | X | 2 | 1 | | | | | | | | | Low only |
| 31573 | TRIP BLANK H | S | — | — | X | 3 | 1 | | | | | | | | | |
| 31574 | Trip - L | | | | | | | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | Kori Bryda | 5/16/11 | 0856 |
| | | | |
| | | | |

**Comments, Special Requirements or Regulations:**

Phoenix Quote # BA040711
Low level VOCs frozen within 12 hrs of collection.

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☒ GW Protection
☒ SW Protection
☒ GA Mobility
☒ GB Mobility
☒ Residential DEC
☒ I/C DEC
☒ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP Rpt

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

**Friday, May 20, 2011**

**Attn: Mr. Jon Yeich**
**MACTEC Engineering & Consulting, Inc.**
**1090 Elm Street**
**Suite 201**
**Rocky Hill, CT 06067**

**Project ID: TRANSLITE INC.**
**Sample ID#s: BA31548 - BA31557**

**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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 10:37 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31548

Project ID: TRANSLITE INC.

Client ID: MW-12I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 1400 | 100 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | 1.2 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 21 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 2000 | 100 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | 7.9 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12I

Phoenix I.D.: BA31548

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromodichloromethane | 2.1 | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroform | 26 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/16/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrachloroethene | 39 | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichloroethene | 46 | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 05/16/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 87 | | % | 05/16/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 92 | | % | 05/16/11 | | R/T | SW8260 |
| % Toluene-d8 | 96 | | % | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-12I

Phoenix I.D.: BA31548

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 11:56 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31549

Project ID: TRANSLITE INC.

Client ID: MW-13S

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/18/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13S

Phoenix I.D.: BA31549

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Bromodichloromethane | 0.67 | 0.50 | ug/L | 05/18/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Chloroform | 9.4 | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/18/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/18/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/18/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Tetrachloroethene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/18/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Trichloroethene | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/18/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | % | 05/18/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 87 | | % | 05/18/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 117 | | % | 05/18/11 | | R/T | SW8260 |
| % Toluene-d8 | 96 | | % | 05/18/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13S

Phoenix I.D.: BA31549

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 11:56 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31550

Project ID: TRANSLITE INC.

Client ID: MW-13 DUP

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 DUP

Phoenix I.D.: BA31550

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromodichloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroform | 11 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/16/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrachloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 05/16/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 86 | | % | 05/16/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 119 | | % | 05/16/11 | | R/T | SW8260 |
| % Toluene-d8 | 97 | | % | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-13 DUP

Phoenix I.D.: BA31550

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 14:03 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31551

Project ID: TRANSLITE INC.

Client ID: MW-11I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 81 | 10.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 1.1 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 77 | 10.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11I

Phoenix I.D.: BA31551

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromodichloromethane | 2.8 | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroform | 28 | 10.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/16/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrachloroethene | 2.8 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichloroethene | 2.8 | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 05/16/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 87 | | % | 05/16/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 120 | | % | 05/16/11 | | R/T | SW8260 |
| % Toluene-d8 | 98 | | % | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-11I

Phoenix I.D.: BA31551

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 11:50 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31552

Project ID: TRANSLITE INC.

Client ID: MW-EX

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 2000 | 200 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 12 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 70 | 10.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-EX

Phoenix I.D.: BA31552

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromodichloromethane | 0.93 | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroethane | 4.0 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroform | 18 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | 3.7 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/17/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrachloroethene | 6300 | 500 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichloroethene | 5.0 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | % | 05/17/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 87 | | % | 05/17/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 91 | | % | 05/17/11 | | R/T | SW8260 |
| % Toluene-d8 | 104 | | % | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-EX

Phoenix I.D.: BA31552

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 10:52 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31553

Project ID: TRANSLITE INC.

Client ID: MW-10I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 95 | 20.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 2.6 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 94 | 20.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | 1.4 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10I

Phoenix I.D.: BA31553

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromodichloromethane | 2.1 | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroform | 29 | 20.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/17/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrachloroethene | 3100 | 250 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichloroethene | 8.0 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 103 | | % | 05/17/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 88 | | % | 05/17/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 124 | | % | 05/17/11 | | R/T | SW8260 |
| % Toluene-d8 | 106 | | % | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-10I

Phoenix I.D.: BA31553

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 12:30 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31554

Project ID: TRANSLITE INC.

Client ID: MW-09I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 99 | 10.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 1.2 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 120 | 10.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09I

Phoenix I.D.: BA31554

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromodichloromethane | 1.8 | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroform | 35 | 2.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/17/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrachloroethene | 8.0 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichloroethene | 4.2 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 05/17/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 89 | | % | 05/17/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 120 | | % | 05/17/11 | | R/T | SW8260 |
| % Toluene-d8 | 106 | | % | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-09I

Phoenix I.D.: BA31554

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 12:08 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31555

Project ID: TRANSLITE INC.

Client ID: MW-08S

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 460 | 50.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 9.1 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 290 | 50.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08S

Phoenix I.D.: BA31555

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromodichloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroform | 3.4 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/17/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrachloroethene | 750 | 50.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichloroethene | 2.8 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | % | 05/17/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 85 | | % | 05/17/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 110 | | % | 05/17/11 | | R/T | SW8260 |
| % Toluene-d8 | 104 | | % | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08S

Phoenix I.D.: BA31555

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 11:10 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31556

Project ID: TRANSLITE INC.

Client ID: MW-08I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | 150 | 20.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | 3.9 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | 380 | 20.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | 3.8 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08I

Phoenix I.D.: BA31556

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromodichloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Carbon tetrachloride | 6.8 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloroform | 6.6 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/17/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrachloroethene | 9.9 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/17/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichloroethene | 30 | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/17/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 103 | | % | 05/17/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 85 | | % | 05/17/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 120 | | % | 05/17/11 | | R/T | SW8260 |
| % Toluene-d8 | 101 | | % | 05/17/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: MW-08I

Phoenix I.D.: BA31556

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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**
**May 23, 2011**

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

May 20, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | MN | 05/13/11 | 0:00 |
| Location Code: | MACTECCT | Received by: | LB | 05/16/11 | 8:56 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA31548
Phoenix ID: BA31557

Project ID: TRANSLITE INC.

Client ID: TRIP BLANK

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK

Phoenix I.D.: BA31557

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromodichloromethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloroform | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 05/16/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrachloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 05/16/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichloroethene | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 05/16/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 05/16/11 | | R/T | SW8260 |
| % Bromofluorobenzene | 88 | | % | 05/16/11 | | R/T | SW8260 |
| % Dibromofluoromethane | 122 | | % | 05/16/11 | | R/T | SW8260 |
| % Toluene-d8 | 97 | | % | 05/16/11 | | R/T | SW8260 |

Project ID: TRANSLITE INC.
Client ID: TRIP BLANK

Phoenix I.D.: BA31557

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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, Laboratory Director**
**May 23, 2011**

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

May 23, 2011

## QA/QC Data

SDG I.D.: GBA31548

QA/QC Batch 177037, QC Sample No: BA31557 (BA31548, BA31550, BA31551, BA31552, BA31553, BA31554, BA31555, BA31556, BA31557)

### Volatiles

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 121 | 128 | 5.6 | 118 | 115 | 2.6 |
| 1,1,1-Trichloroethane | ND | 119 | 128 | 7.3 | 124 | 122 | 1.6 |
| 1,1,2,2-Tetrachloroethane | ND | 103 | 110 | 6.6 | 100 | 99 | 1.0 |
| 1,1,2-Trichloroethane | ND | 93 | 102 | 9.2 | 90 | 91 | 1.1 |
| 1,1-Dichloroethane | ND | 111 | 120 | 7.8 | 116 | 118 | 1.7 |
| 1,1-Dichloroethene | ND | 101 | 109 | 7.6 | 104 | 107 | 2.8 |
| 1,1-Dichloropropene | ND | 105 | 112 | 6.5 | 109 | 111 | 1.8 |
| 1,2,3-Trichlorobenzene | ND | 107 | 115 | 7.2 | 83 | 95 | 13.5 |
| 1,2,3-Trichloropropane | ND | 108 | 117 | 8.0 | 107 | 101 | 5.8 |
| 1,2,4-Trichlorobenzene | ND | 101 | 109 | 7.6 | 87 | 96 | 9.8 |
| 1,2,4-Trimethylbenzene | ND | 109 | 117 | 7.1 | 108 | 109 | 0.9 |
| 1,2-Dibromo-3-chloropropane | ND | 110 | 115 | 4.4 | 99 | 92 | 7.3 |
| 1,2-Dichlorobenzene | ND | 102 | 110 | 7.5 | 101 | 100 | 1.0 |
| 1,2-Dichloroethane | ND | 97 | 104 | 7.0 | 99 | 99 | 0.0 |
| 1,2-Dichloropropane | ND | 92 | 98 | 6.3 | 93 | 94 | 1.1 |
| 1,3,5-Trimethylbenzene | ND | 112 | 118 | 5.2 | 111 | 108 | 2.7 |
| 1,3-Dichlorobenzene | ND | 103 | 109 | 5.7 | 100 | 102 | 2.0 |
| 1,3-Dichloropropane | ND | 105 | 114 | 8.2 | 102 | 101 | 1.0 |
| 1,4-Dichlorobenzene | ND | 101 | 108 | 6.7 | 101 | 101 | 0.0 |
| 2,2-Dichloropropane | ND | 108 | 112 | 3.6 | 88 | 88 | 0.0 |
| 2-Chlorotoluene | ND | 106 | 112 | 5.5 | 107 | 105 | 1.9 |
| 2-Hexanone | ND | 97 | 110 | 12.6 | 88 | 85 | 3.5 |
| 2-Isopropyltoluene | ND | 108 | 119 | 9.7 | 111 | 110 | 0.9 |
| 4-Chlorotoluene | ND | 102 | 109 | 6.6 | 105 | 106 | 0.9 |
| 4-Methyl-2-pentanone | ND | 94 | 100 | 6.2 | 83 | 86 | 3.6 |
| Acetone | ND | 114 | 137 | 18.3 | 126 | 112 | 11.8 |
| Acrylonitrile | ND | 103 | 113 | 9.3 | 105 | 98 | 6.9 |
| Benzene | ND | 90 | 96 | 6.5 | 95 | 97 | 2.1 |
| Bromobenzene | ND | 105 | 113 | 7.3 | 103 | 102 | 1.0 |
| Bromochloromethane | ND | 107 | 117 | 8.9 | 107 | 108 | 0.9 |
| Bromodichloromethane | ND | 109 | 117 | 7.1 | 106 | 108 | 1.9 |
| Bromoform | ND | 135 | 145 | 7.1 | 130 | 124 | 4.7 |
| Bromomethane | ND | 115 | 130 | 12.2 | 96 | 116 | 18.9 |
| Carbon Disulfide | ND | 93 | 98 | 5.2 | 88 | 90 | 2.2 |
| Carbon tetrachloride | ND | 133 | 140 | 5.1 | 133 | 133 | 0.0 |
| Chlorobenzene | ND | 100 | 108 | 7.7 | 102 | 100 | 2.0 |
| Chloroethane | ND | 104 | 111 | 6.5 | 106 | 106 | 0.0 |
| Chloroform | ND | 116 | 124 | 6.7 | 119 | 117 | 1.7 |
| Chloromethane | ND | 84 | 92 | 9.1 | 80 | 84 | 4.9 |
| cis-1,2-Dichloroethene | ND | 121 | 129 | 6.4 | 109 | 114 | 4.5 |

# QA/QC Data

SDG I.D.: GBA31548

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | 91 | 98 | 7.4 | 85 | 87 | 2.3 |
| Dibromochloromethane | ND | 124 | 136 | 9.2 | 121 | 119 | 1.7 |
| Dibromoethane | ND | 93 | 100 | 7.3 | 89 | 90 | 1.1 |
| Dibromomethane | ND | 94 | 100 | 6.2 | 92 | 94 | 2.2 |
| Dichlorodifluoromethane | ND | 74 | 79 | 6.5 | 84 | 85 | 1.2 |
| Ethylbenzene | ND | 100 | 108 | 7.7 | 102 | 102 | 0.0 |
| Hexachlorobutadiene | ND | 100 | 110 | 9.5 | 91 | 97 | 6.4 |
| Isopropylbenzene | ND | 106 | 116 | 9.0 | 108 | 108 | 0.0 |
| m&p-Xylene | ND | 103 | 110 | 6.6 | 105 | 103 | 1.9 |
| Methyl ethyl ketone | ND | 105 | 107 | 1.9 | 104 | 104 | 0.0 |
| Methyl t-butyl ether (MTBE) | ND | 102 | 107 | 4.8 | 92 | 97 | 5.3 |
| Methylene chloride | ND | 94 | 102 | 8.2 | 95 | 95 | 0.0 |
| Naphthalene | ND | 108 | 121 | 11.4 | 83 | 98 | 16.6 |
| n-Butylbenzene | ND | 108 | 113 | 4.5 | 103 | 104 | 1.0 |
| n-Propylbenzene | ND | 101 | 110 | 8.5 | 107 | 105 | 1.9 |
| o-Xylene | ND | 103 | 111 | 7.5 | 105 | 101 | 3.9 |
| p-Isopropyltoluene | ND | 114 | 121 | 6.0 | 108 | 107 | 0.9 |
| sec-Butylbenzene | ND | 108 | 115 | 6.3 | 109 | 107 | 1.9 |
| Styrene | ND | 101 | 110 | 8.5 | 103 | 101 | 2.0 |
| tert-Butylbenzene | ND | 112 | 119 | 6.1 | 111 | 111 | 0.0 |
| Tetrachloroethene | ND | 100 | 108 | 7.7 | 102 | 101 | 1.0 |
| Tetrahydrofuran (THF) | ND | 106 | 114 | 7.3 | 94 | 101 | 7.2 |
| Toluene | ND | 92 | 99 | 7.3 | 93 | 95 | 2.1 |
| trans-1,2-Dichloroethene | ND | 90 | 98 | 8.5 | 106 | 110 | 3.7 |
| trans-1,3-Dichloropropene | ND | 97 | 104 | 7.0 | 90 | 93 | 3.3 |
| trans-1,4-dichloro-2-butene | ND | 108 | 115 | 6.3 | 88 | 90 | 2.2 |
| Trichloroethene | ND | 88 | 94 | 6.6 | 87 | 89 | 2.3 |
| Trichlorofluoromethane | ND | 131 | 140 | 6.6 | 113 | 107 | 5.5 |
| Trichlorotrifluoroethane | ND | 103 | 108 | 4.7 | 100 | 101 | 1.0 |
| Vinyl chloride | ND | 89 | 97 | 8.6 | 94 | 98 | 4.2 |
| % 1,2-dichlorobenzene-d4 | 100 | 98 | 99 | 1.0 | 100 | 97 | 3.0 |
| % Bromofluorobenzene | 88 | 97 | 98 | 1.0 | 98 | 98 | 0.0 |
| % Dibromofluoromethane | 122 | 120 | 125 | 4.1 | 126 | 128 | 1.6 |
| % Toluene-d8 | 97 | 99 | 100 | 1.0 | 101 | 104 | 2.9 |

QA/QC Batch 177197, QC Sample No: BA31708 (BA31548 (100,5X) , BA31549, BA31551 (10X) , BA31552 (10,500,200X) , BA31553 (20,250X) , BA31554 (10,2X) , BA31555 (50X) , BA31556 (20X) )

## Volatiles

| | | | | | |
|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 95 | 97 | 2.1 | 109 |
| 1,1,1-Trichloroethane | ND | 82 | 74 | 10.3 | 101 |
| 1,1,2,2-Tetrachloroethane | ND | 95 | 98 | 3.1 | 105 |
| 1,1,2-Trichloroethane | ND | 77 | 85 | 9.9 | 88 |
| 1,1-Dichloroethane | ND | 88 | 83 | 5.8 | 100 |
| 1,1-Dichloroethene | ND | 81 | 69 | 16.0 | 87 |
| 1,1-Dichloropropene | ND | 75 | 69 | 8.3 | 89 |
| 1,2,3-Trichlorobenzene | ND | 93 | 96 | 3.2 | 92 |
| 1,2,3-Trichloropropane | ND | 93 | 99 | 6.3 | 107 |
| 1,2,4-Trichlorobenzene | ND | 89 | 89 | 0.0 | 87 |
| 1,2,4-Trimethylbenzene | ND | 98 | 91 | 7.4 | 98 |
| 1,2-Dibromo-3-chloropropane | ND | 94 | 102 | 8.2 | 108 |
| 1,2-Dichlorobenzene | ND | 92 | 92 | 0.0 | 97 |
| 1,2-Dichloroethane | ND | 63 | 67 | 6.2 | 92 |
| 1,2-Dichloropropane | ND | 75 | 76 | 1.3 | 84 |

# QA/QC Data

SDG I.D.: GBA31548

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene | ND | 97 | 91 | 6.4 | 97 | | |
| 1,3-Dichlorobenzene | ND | 92 | 89 | 3.3 | 95 | | |
| 1,3-Dichloropropane | ND | 86 | 92 | 6.7 | 101 | | |
| 1,4-Dichlorobenzene | ND | 90 | 88 | 2.2 | 95 | | |
| 2,2-Dichloropropane | ND | <40 | <40 | NC | 57 | | |
| 2-Chlorotoluene | ND | 96 | 89 | 7.6 | 95 | | |
| 2-Hexanone | ND | 88 | 96 | 8.7 | 93 | | |
| 2-Isopropyltoluene | ND | 97 | 91 | 6.4 | 97 | | |
| 4-Chlorotoluene | ND | 92 | 87 | 5.6 | 96 | | |
| 4-Methyl-2-pentanone | ND | 76 | 84 | 10.0 | 91 | | |
| Acetone | ND | 106 | 115 | 8.1 | 137 | | |
| Acrylonitrile | ND | 93 | 105 | 12.1 | 97 | | |
| Benzene | ND | 71 | 70 | 1.4 | 80 | | |
| Bromobenzene | ND | 96 | 93 | 3.2 | 99 | | |
| Bromochloromethane | ND | 90 | 94 | 4.3 | 102 | | |
| Bromodichloromethane | ND | 81 | 84 | 3.6 | 100 | | |
| Bromoform | ND | 104 | 115 | 10.0 | 130 | | |
| Bromomethane | ND | 101 | 96 | 5.1 | 91 | | |
| Carbon Disulfide | ND | 74 | 65 | 12.9 | 74 | | |
| Carbon tetrachloride | ND | 82 | 75 | 8.9 | 109 | | |
| Chlorobenzene | ND | 84 | 83 | 1.2 | 91 | | |
| Chloroethane | ND | 85 | 78 | 8.6 | 88 | | |
| Chloroform | ND | 86 | 82 | 4.8 | 102 | | |
| Chloromethane | ND | 73 | 64 | 13.1 | 69 | | |
| cis-1,2-Dichloroethene | ND | 105 | 98 | 6.9 | 96 | | |
| cis-1,3-Dichloropropene | ND | 66 | 69 | 4.4 | 77 | | |
| Dibromochloromethane | ND | 98 | 106 | 7.8 | 117 | | |
| Dibromoethane | ND | 77 | 82 | 6.3 | 89 | | |
| Dibromomethane | ND | 75 | 82 | 8.9 | 92 | | |
| Dichlorodifluoromethane | ND | 51 | <40 | NC | 73 | | |
| Ethylbenzene | ND | 85 | 82 | 3.6 | 89 | | |
| Hexachlorobutadiene | ND | 84 | 74 | 12.7 | 84 | | |
| Isopropylbenzene | ND | 98 | 88 | 10.8 | 93 | | |
| m&p-Xylene | ND | 85 | 83 | 2.4 | 90 | | |
| Methyl ethyl ketone | ND | 87 | 98 | 11.9 | 112 | | |
| Methyl t-butyl ether (MTBE) | ND | 73 | 79 | 7.9 | 95 | | |
| Methylene chloride | ND | 79 | 80 | 1.3 | 86 | | |
| Naphthalene | ND | 106 | 110 | 3.7 | 95 | | |
| n-Butylbenzene | ND | 93 | 83 | 11.4 | 92 | | |
| n-Propylbenzene | ND | 89 | 82 | 8.2 | 92 | | |
| o-Xylene | ND | 86 | 86 | 0.0 | 93 | | |
| p-Isopropyltoluene | ND | 100 | 90 | 10.5 | 95 | | |
| sec-Butylbenzene | ND | 93 | 85 | 9.0 | 95 | | |
| Styrene | ND | 85 | 87 | 2.3 | 94 | | |
| tert-Butylbenzene | ND | 98 | 90 | 8.5 | 97 | | |
| Tetrachloroethene | ND | 81 | 75 | 7.7 | 85 | | |
| Tetrahydrofuran (THF) | ND | 94 | 104 | 10.1 | 102 | | |
| Toluene | ND | 75 | 74 | 1.3 | 82 | | |
| trans-1,2-Dichloroethene | ND | 77 | 72 | 6.7 | 88 | | |
| trans-1,3-Dichloropropene | ND | 67 | 72 | 7.2 | 85 | | |
| trans-1,4-dichloro-2-butene | ND | 78 | 82 | 5.0 | 85 | | |
| Trichloroethene | ND | 77 | 71 | 8.1 | 81 | | |
| Trichlorofluoromethane | ND | 86 | 67 | 24.8 | 91 | | |

# QA/QC Data

SDG I.D.: GBA31548

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD |
|---|---|---|---|---|---|---|---|
| Trichlorotrifluoroethane | ND | 77 | 48 | 46.4 | 82 | | |
| Vinyl chloride | ND | 73 | 62 | 16.3 | 77 | | |
| % 1,2-dichlorobenzene-d4 | 100 | 98 | 97 | 1.0 | 101 | | |
| % Bromofluorobenzene | 88 | 89 | 92 | 3.3 | 98 | | |
| % Dibromofluoromethane | 111 | 110 | 112 | 1.8 | 119 | | |
| % Toluene-d8 | 97 | 96 | 99 | 3.1 | 99 | | |

Comment:

Due to poor instrument purge, the MSD is not reported for this batch.

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
May 23, 2011

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, GWP, RC, SWP

**GBA31548**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|

*** No Data to Display ***

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:** MACTECCT

**Project Location:** TRANSLITE INC. **Project Number:**

**Laboratory Sample ID(s):** BA31548, BA31549, BA31550, BA31551, BA31552, BA31553, BA31554, BA31555, BA31556, BA31557

**Sampling Date(s):** 5/13/2011

**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 Protocol documents? | ☑ 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 Section: 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 matrix spikes and laboratory duplicates 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, May 23, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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

# RCP Certification Report

**May 23, 2011**

**SDG I.D.: GBA31548**

Volatile 8260 analysis:
The reporting level for Acrylonitrile is above the GWP criteria.
Dibromoethane doesn't meet GWP criteria, this compound is analyzed by GC/ECD method 504 or 8011 when this criteria needs to be met.

## VOA Narration

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

**The LCS/LCSD recovery for 1,2-Dichloroethene, 2,2-Dichloropropane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, trans-1,3-Dichloropropene, vinyl chloride is below the lower range. A low bias for these compounds is possible. The LCS/LCSD recovery for several compounds is above the upper range. No significant bias is suspected. I one sample carbon tetrachloride is reported. This samples was analyzed twice with similar results.**

**Instrument:** Chem08 05/16/11-1 (BA31548, BA31550, BA31551, BA31552, BA31553, BA31554, BA31555, BA31556, BA31557)

S -Side
Initial Calibration(RCPS_0502):
All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Bromomethane, Methylene Chloride, Bromoform

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

**Printed Name** Tina Covensky
**Position:** Chemist
**Date:** 5/16/2011

**Instrument:** Chem08 05/17/11-2 (BA31548, BA31549, BA31551, BA31552, BA31553, BA31554, BA31555, BA31556)

S -Side
Initial Calibration(RCPS_0502):
All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Bromomethane, Methylene Chloride, Bromoform

Continuing Calibration Verification:
All SPCCs, CCCs and >80% of target compounds met criteria. Internal standards were within the 50%-200% deviation from the initial calibration.
The following compounds had % Deviations >30%: Dichlorodifluoromethane, 2,2-Dichloropropane

**Environmental Laboratories, Inc.**
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**Tel. (860) 645-1102 Fax (860) 645-0823**

# RCP Certification Report

**May 23, 2011**

**SDG I.D.: GBA31548**

**Printed Name** Tina Covensky
**Position:** Chemist
**Date:** 5/17/2011

**QC Comments:** QC Batch 77197 05/19/11 (BA31548, BA31549, BA31551, BA31552, BA31553, BA31554, BA31555, BA31556)

Due to poor instrument purge, the MSD is not reported for this batch.

**QC (Site Specific)**

---------- Sample No: BA31557 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Bromoform, Carbon tetrachloride, Trichlorofluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone, Bromoform, Carbon tetrachloride, Dibromochloromethane, Trichlorofluoromethane

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

All MS recoveries were within 70 - 130 with the following exceptions: Carbon tetrachloride

All MSD recoveries were within 70 - 130 with the following exceptions: Carbon tetrachloride

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)**

---------- Sample No: BA31708 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: 1,2-Dichloroethane, 2,2-Dichloropropane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, trans-1,3-Dichloropropene

All LCSD recoveries were within 70 - 130 with the following exceptions: 1,1-Dichloroethene, 1,1-Dichloropropene, 1,2-Dichloroethane, 2,2-Dichloropropane, Carbon Disulfide, Chloromethane, cis-1,3-Dichloropropene, Dichlorodifluoromethane, Trichlorofluoromethane, Trichlorotrifluoroethane, Vinyl chloride

All LCS/LCSD RPDs were less than 30% with the following exceptions: Trichlorotrifluoroethane

## Temperature Narration

The samples were received at 3C with cooling initiated.
No bias in the sample results are suspected due to temperature.

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

# RCP Certification Report

**May 23, 2011**

**SDG I.D.: GBA31548**

| | |
|---|---|
| **Printed Name** | Lori Bryda |
| **Position:** | Login |
| **Date:** | 5/23/2011 4:11:50 PM |

# CHAIN OF CUSTODY RECORD

**PHOENIX** Environmental Laboratories, Inc.

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

Temp 3 °C Pg 1 of 1

**Data Delivery:**
☐ Fax #:
☐ Email:

Customer: MACTEC
Address: 1090 Elm St Suite 201
Rocky Hill, CT 06067

Project: Translite Inc.
Report to: Jon Yeich - Mactec
Invoice to: Jon Yeich - Mactec

Project P.O: 20110536S
Phone #: (860) 529-7191
Fax #: (860) 529-7448

**Client Sample - Information - Identification**

Sampler's Signature: Mark Netzer
Date: 5/13/11

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**SE**=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | 8260 V.O.C | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil container ( ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] As is [X] 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31548 | MW-12I | GW | 5/13/11 | 10:37 | X | | | | 3 | | | | | | |
| 31549 | MW-13S | GW | 5/13/11 | 11:56 | X | | | | 3 | | | | | | |
| 31550 | MW-13 dup | GW | 5/13/11 | 11:56 | X | | | | 3 | | | | | | |
| 31551 | MW-11I | GW | 5/12/11 | 14:03 | X | | | | 3 | | | | | | |
| 31552 | MW-EX | GW | 5/12/11 | 11:50 | X | | | | 3 | | | | | | |
| 31553 | MW-10I | GW | 5/12/11 | 10:52 | X | | | | 3 | | | | | | |
| 31554 | MW-09I | GW | 5/11/11 | 12:30 | X | | | | 3 | | | | | | |
| 31555 | MW-08S | GW | 5/10/11 | 12:08 | X | | | | 3 | | | | | | |
| 31556 | MW-08I | GW | 5/10/11 | 11:10 | X | | | | 3 | | | | | | |
| 31557 | Trip Blank | GW | | | X | | | | 2 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | Lori Brizda | 5-16-11 | 08:54 |

**Comments, Special Requirements or Regulations:**

Phoenix Quote # BA040711

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☒ GW Protection
☒ SW Protection
☒ GA Mobility
☒ GB Mobility
☒ Residential DEC
☒ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP Rpt
* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

**Thursday, July 14, 2011**

**Attn: Mr. Jon Yeich**
**MACTEC Engineering & Consulting, Inc.**
**1090 Elm Street**
**Suite 201**
**Rocky Hill, CT 06067**

**Project ID: TRANS-LITE INC**

**Sample ID#s: BA50510 - BA50518**

**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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 9:15 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50510

Project ID: TRANS-LITE INC

Client ID: SB-1402

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 93 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 7.2 | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 27 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1402

Phoenix I.D.: BA50510

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 27 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 32 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 4700 | 280 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 92 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1402

Phoenix I.D.: BA50510

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 101 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 99 | | % | 07/08/11 | | R/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 9:30 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50511

Project ID: TRANS-LITE INC

Client ID: SB-1435

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 510 | 300 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | 20 | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1435

Phoenix I.D.: BA50511

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 110 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 32 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 1300 | 300 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 11 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 92 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1435

Phoenix I.D.: BA50511

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 99 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 10:50 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50512

Project ID: TRANS-LITE INC

Client ID: SB-1502

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 94 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 5.3 | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 22 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1502

Phoenix I.D.: BA50512

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 22 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 88 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | 18 | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 26 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 8.8 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 13000 | 1260 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 8.8 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 8.8 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | 7.3 | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 90 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1502

Phoenix I.D.: BA50512

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 105 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 98 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 11:00 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50513

Project ID: TRANS-LITE INC

Client ID: SB-1535

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 24 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1535

Phoenix I.D.: BA50513

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 24 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Acetone | ND | 98 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Benzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromoform | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloroform | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | 23 | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 29 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 9.8 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Styrene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Tetrachloroethene | 110 | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 9.8 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Toluene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 9.8 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichloroethene | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 4.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 104 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 91 | | % | 07/11/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1535

Phoenix I.D.: BA50513

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 107 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 97 | | % | 07/11/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 9:45 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50514

Project ID: TRANS-LITE INC

Client ID: SB-1602

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 97 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.7 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 22 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1602

Phoenix I.D.: BA50514

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 22 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 89 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.7 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 27 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 8.9 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 32 | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 8.9 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 8.9 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 4.4 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 95 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1602

Phoenix I.D.: BA50514

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 106 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 98 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 10:00 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50515

Project ID: TRANS-LITE INC

Client ID: SB-1623

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 90 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.5 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 21 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1623

Phoenix I.D.: BA50515

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 21 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 82 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.5 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 25 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 8.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 8.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 8.2 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 4.1 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 92 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1623

Phoenix I.D.: BA50515

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 107 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 10:20 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50516

Project ID: TRANS-LITE INC

Client ID: SB-1702

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 96 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 5.4 | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.8 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 23 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1702

Phoenix I.D.: BA50516

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 23 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acetone | ND | 93 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Benzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromoform | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloroform | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.8 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 28 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 9.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Styrene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 5300 | 270 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 9.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Toluene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 9.3 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 4.6 | ug/Kg | 07/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 83 | | % | 07/08/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1702

Phoenix I.D.: BA50516

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 110 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 96 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOLID | Collected by: | MN | 07/07/11 | 10:30 |
| Location Code: | MACTECCT \| SB | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50517

Project ID: TRANS-LITE INC

Client ID: SB-1723

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 93 | | % | 07/08/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 07/07/11 | | MN | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 32 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |

Project ID: TRANS-LITE INC
Client ID: SB-1723

Phoenix I.D.: BA50517

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 32 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Acetone | ND | 130 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Benzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromoform | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Bromomethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloroform | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Chloromethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.9 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromoethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dibromomethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 39 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 13 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Methylene chloride | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Naphthalene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| o-Xylene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Styrene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Tetrachloroethene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 13 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Toluene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Total Xylenes | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 13 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichloroethene | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 6.5 | ug/Kg | 07/11/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 105 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 95 | | % | 07/11/11 | | R/J | 70 - 130 % |

Project ID: TRANS-LITE INC
Client ID: SB-1723

Phoenix I.D.: BA50517

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 104 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 07/11/11 | | R/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | WATER | Collected by: | MN | 07/07/11 | 0:00 |
| Location Code: | MACTECCT \| TRIP | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50510
Phoenix ID: BA50518

Project ID: TRANS-LITE INC

Client ID: TRIP BLANK

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1,1-Trichloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 0.50 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1,2-Trichloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1-Dichloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1-Dichloroethene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,1-Dichloropropene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2,3-Trichloropropane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2-Dichlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2-Dichloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,2-Dichloropropane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,3-Dichlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,3-Dichloropropane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 1,4-Dichlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 2,2-Dichloropropane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 2-Chlorotoluene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 2-Hexanone | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 2-Isopropyltoluene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 4-Chlorotoluene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| 4-Methyl-2-pentanone | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Acetone | ND | 25 | ug/L | 07/08/11 | | R/T | SW8260 |

Project ID: TRANS-LITE INC
Client ID: TRIP BLANK

Phoenix I.D.: BA50518

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Acrylonitrile | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Benzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Bromobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Bromochloromethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Bromodichloromethane | ND | 0.50 | ug/L | 07/08/11 | | R/T | SW8260 |
| Bromoform | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Bromomethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Carbon tetrachloride | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Chlorobenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Chloroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Chloroform | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Chloromethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| cis-1,2-Dichloroethene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| cis-1,3-Dichloropropene | ND | 0.50 | ug/L | 07/08/11 | | R/T | SW8260 |
| Dibromochloromethane | ND | 0.50 | ug/L | 07/08/11 | | R/T | SW8260 |
| Dibromoethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Dibromomethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Dichlorodifluoromethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Ethylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Hexachlorobutadiene | ND | 0.40 | ug/L | 07/08/11 | | R/T | SW8260 |
| Isopropylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| m&p-Xylene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Methyl ethyl ketone | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Methylene chloride | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Naphthalene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| n-Butylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| n-Propylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| o-Xylene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| p-Isopropyltoluene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| sec-Butylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Styrene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| tert-Butylbenzene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Tetrachloroethene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Tetrahydrofuran (THF) | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Toluene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Total Xylenes | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| trans-1,2-Dichloroethene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| trans-1,3-Dichloropropene | ND | 0.50 | ug/L | 07/08/11 | | R/T | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 5.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Trichloroethene | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Trichlorofluoromethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Trichlorotrifluoroethane | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| Vinyl chloride | ND | 1.0 | ug/L | 07/08/11 | | R/T | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 101 | | % | 07/08/11 | | R/T | 70 - 130 % |
| % Bromofluorobenzene | 96 | | % | 07/08/11 | | R/T | 70 - 130 % |
| % Dibromofluoromethane | 101 | | % | 07/08/11 | | R/T | 70 - 130 % |
| % Toluene-d8 | 102 | | % | 07/08/11 | | R/T | 70 - 130 % |

Project ID: TRANS-LITE INC

Client ID: TRIP BLANK

Phoenix I.D.: BA50518

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|

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, Laboratory Director**

**July 15, 2011**

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

July 15, 2011

## QA/QC Data

SDG I.D.: GBA50510

QA/QC Batch 180422, QC Sample No: BA50510 (BA50510, BA50511, BA50512, BA50514, BA50515, BA50516)

### Volatiles

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 112 | 94 | 17.5 | 84 | 82 | 2.4 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 106 | 90 | 16.3 | 88 | 89 | 1.1 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 104 | 86 | 18.9 | 91 | 83 | 9.2 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 108 | 95 | 12.8 | 85 | 88 | 3.5 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 100 | 88 | 12.8 | 84 | 87 | 3.5 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 84 | 72 | 15.4 | 80 | 81 | 1.2 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 107 | 92 | 15.1 | 86 | 88 | 2.3 | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 117 | 101 | 14.7 | <40 | <40 | NC | 70 - 130 | 30 | m |
| 1,2,3-Trichloropropane | ND | 104 | 91 | 13.3 | 93 | 86 | 7.8 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 117 | 94 | 21.8 | <40 | <40 | NC | 70 - 130 | 30 | m |
| 1,2,4-Trimethylbenzene | ND | 109 | 90 | 19.1 | 67 | 64 | 4.6 | 70 - 130 | 30 | m |
| 1,2-Dibromo-3-chloropropane | ND | 107 | 99 | 7.8 | 85 | 81 | 4.8 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 109 | 92 | 16.9 | 61 | 59 | 3.3 | 70 - 130 | 30 | m |
| 1,2-Dichloroethane | ND | 105 | 92 | 13.2 | 87 | 91 | 4.5 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 101 | 90 | 11.5 | 83 | 86 | 3.6 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 111 | 92 | 18.7 | 69 | 65 | 6.0 | 70 - 130 | 30 | m |
| 1,3-Dichlorobenzene | ND | 112 | 93 | 18.5 | 64 | 61 | 4.8 | 70 - 130 | 30 | m |
| 1,3-Dichloropropane | ND | 106 | 92 | 14.1 | 88 | 86 | 2.3 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 110 | 91 | 18.9 | 62 | 60 | 3.3 | 70 - 130 | 30 | m |
| 2,2-Dichloropropane | ND | 110 | 90 | 20.0 | 85 | 86 | 1.2 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 110 | 92 | 17.8 | 74 | 70 | 5.6 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 120 | 101 | 17.2 | 83 | 82 | 1.2 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 112 | 94 | 17.5 | 60 | 58 | 3.4 | 70 - 130 | 30 | m |
| 4-Chlorotoluene | ND | 108 | 89 | 19.3 | 73 | 69 | 5.6 | 70 - 130 | 30 | m |
| 4-Methyl-2-pentanone | ND | 118 | 105 | 11.7 | 88 | 94 | 6.6 | 70 - 130 | 30 | |
| Acetone | ND | 98 | 80 | 20.2 | 95 | 95 | 0.0 | 70 - 130 | 30 | |
| Acrylonitrile | ND | 102 | 92 | 10.3 | 82 | 91 | 10.4 | 70 - 130 | 30 | |
| Benzene | ND | 104 | 90 | 14.4 | 86 | 89 | 3.4 | 70 - 130 | 30 | |
| Bromobenzene | ND | 109 | 90 | 19.1 | 82 | 76 | 7.6 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 104 | 94 | 10.1 | 87 | 93 | 6.7 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 109 | 96 | 12.7 | 85 | 87 | 2.3 | 70 - 130 | 30 | |
| Bromoform | ND | 115 | 101 | 13.0 | 84 | 85 | 1.2 | 70 - 130 | 30 | |
| Bromomethane | ND | 82 | 68 | 18.7 | 76 | 75 | 1.3 | 70 - 130 | 30 | l |
| Carbon Disulfide | ND | 90 | 75 | 18.2 | 79 | 81 | 2.5 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 112 | 92 | 19.6 | 86 | 85 | 1.2 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 109 | 92 | 16.9 | 78 | 78 | 0.0 | 70 - 130 | 30 | |
| Chloroethane | ND | 91 | 79 | 14.1 | 84 | 92 | 9.1 | 70 - 130 | 30 | |
| Chloroform | ND | 104 | 88 | 16.7 | 85 | 87 | 2.3 | 70 - 130 | 30 | |
| Chloromethane | ND | 83 | 78 | 6.2 | 77 | 88 | 13.3 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 119 | 99 | 18.3 | 90 | 90 | 0.0 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 112 | 97 | 14.4 | 86 | 87 | 1.2 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBA50510

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | 108 | 94 | 13.9 | 86 | 86 | 0.0 | 70 - 130 | 30 | |
| Dibromoethane | ND | 111 | 96 | 14.5 | 87 | 89 | 2.3 | 70 - 130 | 30 | |
| Dibromomethane | ND | 106 | 92 | 14.1 | 85 | 87 | 2.3 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 80 | 68 | 16.2 | 79 | 81 | 2.5 | 70 - 130 | 30 | l |
| Ethylbenzene | ND | 107 | 90 | 17.3 | 76 | 76 | 0.0 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 108 | 93 | 14.9 | <40 | <40 | NC | 70 - 130 | 30 | m |
| Isopropylbenzene | ND | 113 | 94 | 18.4 | 80 | 74 | 7.8 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 110 | 93 | 16.7 | 74 | 74 | 0.0 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 111 | 91 | 19.8 | 85 | 83 | 2.4 | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | ND | 111 | 96 | 14.5 | 87 | 88 | 1.1 | 70 - 130 | 30 | |
| Methylene chloride | ND | 85 | 68 | 22.2 | 77 | 75 | 2.6 | 70 - 130 | 30 | l |
| Naphthalene | ND | 119 | 100 | 17.4 | 49 | 48 | 2.1 | 70 - 130 | 30 | m |
| n-Butylbenzene | ND | 111 | 90 | 20.9 | 48 | 49 | 2.1 | 70 - 130 | 30 | m |
| n-Propylbenzene | ND | 108 | 89 | 19.3 | 72 | 68 | 5.7 | 70 - 130 | 30 | m |
| o-Xylene | ND | 115 | 98 | 16.0 | 73 | 74 | 1.4 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 116 | 96 | 18.9 | 57 | 56 | 1.8 | 70 - 130 | 30 | m |
| sec-Butylbenzene | ND | 110 | 92 | 17.8 | 59 | 57 | 3.4 | 70 - 130 | 30 | m |
| Styrene | ND | 112 | 95 | 16.4 | 72 | 73 | 1.4 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 112 | 94 | 17.5 | 67 | 63 | 6.2 | 70 - 130 | 30 | m |
| Tetrachloroethene | ND | 114 | 96 | 17.1 | NC | NC | NC | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 100 | 90 | 10.5 | 83 | 92 | 10.3 | 70 - 130 | 30 | |
| Toluene | ND | 107 | 91 | 16.2 | 82 | 85 | 3.6 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 85 | 63 | 29.7 | 87 | 78 | 10.9 | 70 - 130 | 30 | l |
| trans-1,3-Dichloropropene | ND | 113 | 96 | 16.3 | 90 | 90 | 0.0 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 113 | 87 | 26.0 | 95 | 80 | 17.1 | 70 - 130 | 30 | |
| Trichloroethene | ND | 108 | 94 | 13.9 | 88 | 89 | 1.1 | 70 - 130 | 30 | |
| Trichlorofluoromethane | ND | 94 | 79 | 17.3 | 83 | 85 | 2.4 | 70 - 130 | 30 | |
| Trichlorotrifluoroethane | ND | 95 | 78 | 19.7 | 78 | 80 | 2.5 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 86 | 76 | 12.3 | 79 | 86 | 8.5 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 103 | 100 | 101 | 1.0 | 99 | 100 | 1.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 101 | 100 | 102 | 2.0 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 104 | 101 | 100 | 1.0 | 97 | 97 | 0.0 | 70 - 130 | 30 | |
| % Toluene-d8 | 100 | 99 | 100 | 1.0 | 97 | 100 | 3.0 | 70 - 130 | 30 | |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 180420, QC Sample No: BA50518 (BA50518)

## Volatiles

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | | 103 | 109 | 5.7 | 102 | 104 | 1.9 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | | 100 | 110 | 9.5 | 105 | 107 | 1.9 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | | 93 | 100 | 7.3 | 98 | 97 | 1.0 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | | 103 | 104 | 1.0 | 100 | 100 | 0.0 | 70 - 130 | 30 |
| 1,1-Dichloroethane | | 96 | 104 | 8.0 | 98 | 101 | 3.0 | 70 - 130 | 30 |
| 1,1-Dichloroethene | | 89 | 98 | 9.6 | 91 | 94 | 3.2 | 70 - 130 | 30 |
| 1,1-Dichloropropene | | 104 | 106 | 1.9 | 102 | 102 | 0.0 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | | 93 | 100 | 7.3 | 92 | 95 | 3.2 | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | | 96 | 102 | 6.1 | 97 | 97 | 0.0 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | | 92 | 98 | 6.3 | 91 | 95 | 4.3 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | | 94 | 101 | 7.2 | 95 | 96 | 1.0 | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | | 97 | 103 | 6.0 | 94 | 97 | 3.1 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | | 95 | 102 | 7.1 | 95 | 97 | 2.1 | 70 - 130 | 30 |
| 1,2-Dichloroethane | | 113 | 114 | 0.9 | 117 | 117 | 0.0 | 70 - 130 | 30 |
| 1,2-Dichloropropane | | 99 | 101 | 2.0 | 100 | 98 | 2.0 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GBA50510

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,3,5-Trimethylbenzene | | 97 | 105 | 7.9 | 95 | 98 | 3.1 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | | 96 | 103 | 7.0 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | | 100 | 103 | 3.0 | 100 | 101 | 1.0 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | | 95 | 102 | 7.1 | 93 | 97 | 4.2 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | | 89 | 100 | 11.6 | 74 | 71 | 4.1 | 70 - 130 | 30 | |
| 2-Chlorotoluene | | 95 | 104 | 9.0 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| 2-Hexanone | | 102 | 104 | 1.9 | 91 | 96 | 5.3 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | | 95 | 104 | 9.0 | 94 | 96 | 2.1 | 70 - 130 | 30 | |
| 4-Chlorotoluene | | 92 | 101 | 9.3 | 95 | 97 | 2.1 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | | 111 | 107 | 3.7 | 97 | 96 | 1.0 | 70 - 130 | 30 | |
| Acetone | | 130 | 141 | 8.1 | 119 | 132 | 10.4 | 70 - 130 | 30 | l,m |
| Acrylonitrile | | 100 | 112 | 11.3 | 96 | 105 | 9.0 | 70 - 130 | 30 | |
| Benzene | | 102 | 104 | 1.9 | 102 | 101 | 1.0 | 70 - 130 | 30 | |
| Bromobenzene | | 92 | 102 | 10.3 | 95 | 98 | 3.1 | 70 - 130 | 30 | |
| Bromochloromethane | | 97 | 101 | 4.0 | 96 | 95 | 1.0 | 70 - 130 | 30 | |
| Bromodichloromethane | | 108 | 110 | 1.8 | 108 | 105 | 2.8 | 70 - 130 | 30 | |
| Bromoform | | 107 | 112 | 4.6 | 105 | 108 | 2.8 | 70 - 130 | 30 | |
| Bromomethane | | 90 | 98 | 8.5 | 91 | 93 | 2.2 | 70 - 130 | 30 | |
| Carbon Disulfide | | 94 | 105 | 11.1 | 89 | 92 | 3.3 | 70 - 130 | 30 | |
| Carbon tetrachloride | | 119 | 122 | 2.5 | 120 | 119 | 0.8 | 70 - 130 | 30 | |
| Chlorobenzene | | 96 | 102 | 6.1 | 95 | 99 | 4.1 | 70 - 130 | 30 | |
| Chloroethane | | 90 | 103 | 13.5 | 91 | 95 | 4.3 | 70 - 130 | 30 | |
| Chloroform | | 99 | 107 | 7.8 | 102 | 103 | 1.0 | 70 - 130 | 30 | |
| Chloromethane | | 85 | 74 | 13.8 | 72 | 69 | 4.3 | 70 - 130 | 30 | m |
| cis-1,2-Dichloroethene | | 108 | 116 | 7.1 | 95 | 100 | 5.1 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | | 103 | 104 | 1.0 | 98 | 94 | 4.2 | 70 - 130 | 30 | |
| Dibromochloromethane | | 103 | 108 | 4.7 | 106 | 107 | 0.9 | 70 - 130 | 30 | |
| Dibromoethane | | 103 | 104 | 1.0 | 103 | 100 | 3.0 | 70 - 130 | 30 | |
| Dibromomethane | | 104 | 105 | 1.0 | 105 | 101 | 3.9 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | | 61 | 66 | 7.9 | 78 | 89 | 13.2 | 70 - 130 | 30 | l |
| Ethylbenzene | | 98 | 101 | 3.0 | 97 | 100 | 3.0 | 70 - 130 | 30 | |
| Hexachlorobutadiene | | 91 | 100 | 9.4 | 90 | 91 | 1.1 | 70 - 130 | 30 | |
| Isopropylbenzene | | 96 | 105 | 9.0 | 93 | 95 | 2.1 | 70 - 130 | 30 | |
| m&p-Xylene | | 98 | 104 | 5.9 | 96 | 99 | 3.1 | 70 - 130 | 30 | |
| Methyl ethyl ketone | | 102 | 102 | 0.0 | 97 | 89 | 8.6 | 70 - 130 | 30 | |
| Methyl t-butyl ether (MTBE) | | 111 | 111 | 0.0 | 105 | 103 | 1.9 | 70 - 130 | 30 | |
| Methylene chloride | | 81 | 88 | 8.3 | 82 | 86 | 4.8 | 70 - 130 | 30 | |
| Naphthalene | | 92 | 98 | 6.3 | 92 | 95 | 3.2 | 70 - 130 | 30 | |
| n-Butylbenzene | | 97 | 103 | 6.0 | 93 | 95 | 2.1 | 70 - 130 | 30 | |
| n-Propylbenzene | | 94 | 101 | 7.2 | 93 | 96 | 3.2 | 70 - 130 | 30 | |
| o-Xylene | | 103 | 108 | 4.7 | 97 | 101 | 4.0 | 70 - 130 | 30 | |
| p-Isopropyltoluene | | 98 | 106 | 7.8 | 92 | 96 | 4.3 | 70 - 130 | 30 | |
| sec-Butylbenzene | | 93 | 103 | 10.2 | 93 | 95 | 2.1 | 70 - 130 | 30 | |
| Styrene | | 100 | 106 | 5.8 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| tert-Butylbenzene | | 97 | 104 | 7.0 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| Tetrachloroethene | | 96 | 101 | 5.1 | 92 | 97 | 5.3 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | | 89 | 97 | 8.6 | 86 | 88 | 2.3 | 70 - 130 | 30 | |
| Toluene | | 98 | 101 | 3.0 | 97 | 98 | 1.0 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | | 81 | 87 | 7.1 | 92 | 97 | 5.3 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | | 106 | 108 | 1.9 | 101 | 98 | 3.0 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | | 101 | 109 | 7.6 | 90 | 88 | 2.2 | 70 - 130 | 30 | |
| Trichloroethene | | 84 | 102 | 19.4 | 87 | 97 | 10.9 | 70 - 130 | 30 | |
| Trichlorofluoromethane | | 98 | 108 | 9.7 | 101 | 99 | 2.0 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBA50510

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Trichlorotrifluoroethane | | 90 | 100 | 10.5 | 90 | 90 | 0.0 | 70 - 130 | 30 |
| Vinyl chloride | | 87 | 97 | 10.9 | 89 | 87 | 2.3 | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | | 101 | 101 | 0.0 | 101 | 100 | 1.0 | 70 - 130 | 30 |
| % Bromofluorobenzene | | 103 | 102 | 1.0 | 102 | 103 | 1.0 | 70 - 130 | 30 |
| % Dibromofluoromethane | | 100 | 100 | 0.0 | 102 | 99 | 3.0 | 70 - 130 | 30 |
| % Toluene-d8 | | 105 | 99 | 5.9 | 102 | 99 | 3.0 | 70 - 130 | 30 |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 180693, QC Sample No: BA51903 (BA50512 (252X) )

## Volatiles

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | 101 | 101 | 0.0 | 106 | 89 | 17.4 | 70 - 130 | 30 |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

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
July 15, 2011

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, I/C, RC

**GBA50510**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA50510 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 4700 | 280 | 100 | 100 | ug/Kg |
| BA50510 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 4700 | 280 | 1000 | 1000 | ug/Kg |
| BA50511 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 1300 | 300 | 100 | 100 | ug/Kg |
| BA50511 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 1300 | 300 | 1000 | 1000 | ug/Kg |
| BA50512 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 13000 | 1260 | 100 | 100 | ug/Kg |
| BA50512 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 13000 | 1260 | 1000 | 1000 | ug/Kg |
| BA50512 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | 13000 | 1260 | 12000 | 12000 | ug/Kg |
| BA50513 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 110 | 4.9 | 100 | 100 | ug/Kg |
| BA50516 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 5300 | 270 | 100 | 100 | ug/Kg |
| BA50516 | MACTECCT | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 5300 | 270 | 1000 | 1000 | 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:** MACTECCT

**Project Location:** TRANS-LITE INC **Project Number:**

**Laboratory Sample ID(s):** BA50510, BA50511, BA50512, BA50513, BA50514, BA50515, BA50516, BA50517, BA50518

**Sampling Date(s):** 7/7/2011

**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 Protocol documents? | ☑ 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 Section: 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 matrix spikes and laboratory duplicates 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, July 15, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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

# RCP Certification Report

**July 15, 2011**

**SDG I.D.: GBA50510**

BA50510 - The client prepared low level vial had over 10 grams of sample which is too much soil to purge efficiently. Phoenix prepared sample per method 5035.

## VOA Narration

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

**The soil LCSD recovery for Bromomethane, Dichlorodifluoromethane, Methylene Chloride, trans-1,2-Dichloroethene is below the lower range, but within the method criteria. All of the other QC is within the acceptable range. No significant bias is suspected. The site specific MS/MSD recovery for several compounds is <40%. A low bias for these compounds is possible. The aqueous LCS/LCSD recovery for Dichlorodifluoromethane is below the lower range, but within the method criteria. A slight low bias for this compound is possible. The LCSD recovery for Acetone is above the upper range. This compound was not reported in the sample. No significant bias is suspected.**

**Instrument:** Chem03 07/08/11-1 (BA50510, BA50511, BA50512, BA50514, BA50515, BA50516)

Initial Calibration Verification (RCPS_0701):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Bromoethane, Chloroethane, Acetone, methyl ethyl ketone, 2-hexanone

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** Johanna Harrington
**Position:** Chemist
**Date:** 7/8/2011

**Instrument:** Chem03 07/11/11-1 (BA50510, BA50511, BA50513, BA50516, BA50517)

Initial Calibration Verification (RCPS_0701):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: Bromoethane, Chloroethane, Acetone, methyl ethyl ketone, 2-hexanone

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** Johanna Harrington
**Position:** Chemist
**Date:** 7/11/2011

**Instrument:** Chem03 07/12/11-1 (BA50512)

Initial Calibration Verification (RCPS_0701):
>90% of target compounds met method criteria.

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

# RCP Certification Report

**July 15, 2011**

**SDG I.D.: GBA50510**

The following compounds had %RSDs >20%: Bromoethane, Chloroethane, Acetone, methyl ethyl ketone, 2-hexanone

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** Johanna Harrington
**Position:** Chemist
**Date:** 7/12/2011

**Instrument:** Chem08 07/08/11-1 (BA50518)

S -Side
Initial Calibration(RCPS_0706):
All SPCCs, CCCs and >80% of target compounds met criteria except that the following compounds had %RSDs >20%: Methylene Chloride, Trans-1,4-dichloro-2-butene

Continuing Calibration Verification:
All SPCCs, CCCs and >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** Tina Covensky
**Position:** Chemist
**Date:** 7/8/2011

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

# RCP Certification Report

**July 15, 2011**

**SDG I.D.: GBA50510**

---

**QC (Site Specific)**

---------- Sample No: BA50510 ----------

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

All LCSD recoveries were within 70 - 130 with the following exceptions: Bromomethane, Dichlorodifluoromethane, Methylene chloride, trans-1,2-Dichloroethene

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

All MS recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Isopropyltoluene, Hexachlorobutadiene, Naphthalene, n-Butylbenzene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene

All MSD recoveries were within 70 - 130 with the following exceptions: 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2,4-Trimethylbenzene, 1,2-Dichlorobenzene, 1,3,5-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 2-Isopropyltoluene, 4-Chlorotoluene, Hexachlorobutadiene, Naphthalene, n-Butylbenzene, n-Propylbenzene, p-Isopropyltoluene, sec-Butylbenzene, tert-Butylbenzene

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

---------- Sample No: BA50518 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Dichlorodifluoromethane

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone, Dichlorodifluoromethane

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

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

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

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)**

---------- Sample No: BA51903 ----------

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.

6°C

# CHAIN OF CUSTODY RECORD

Temp



**PHOENIX** Environmental Laboratories, Inc.

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

**Data Delivery:**
☐ Fax #:
☐ Email:

Customer: MACTEC
Address: 1090 Elm Street, Suite 201
Rocky Hill, CT 06067

Project: Trans-Lite, Inc
Report to: Jon Veich
Invoice to: Accounts Payable

Project P.O: 201105365
Phone #: (860) 529-7171
Fax #: (860) 529-7448

**Client Sample - Information - Identification**

Sampler's Signature: Mark Netzer Date: 7/7/11

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**SE**=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs by 8260 | Soil VOA Vials [1] methanol [2] H2O | GL Soil container ( 2 ) 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50510 | SB-1402 | S | 7/7/11 | 9:15 | X | X | X | | | | | | | | |
| 50511 | SB-1435 | S | 7/7/11 | 9:30 | X | X | X | | | | | | | | |
| 50512 | SB-1502 | S | 7/7/11 | 10:50 | X | X | X | | | | | | | | |
| 50513 | SB-1535 | S | 7/7/11 | 11:00 | X | X | X | | | | | | | | |
| 50514 | SB-1602 | S | 7/7/11 | 9:45 | X | X | X | | | | | | | | |
| 50515 | SB-1623 | S | 7/7/11 | 10:00 | X | X | X | | | | | | | | |
| 50516 | SB-1702 | S | 7/7/11 | 10:20 | X | X | X | | | | | | | | |
| 50517 | SB-1723 | S | 7/7/11 | 10:30 | X | X | X | | | | | | | | |
| 50518 | Trip Blank | W | | | X | | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| Mark Netzer | | 7/8/11 | 14:20 |
| | | 7/8/11 | 800 |

**Comments, Special Requirements or Regulations:**

Phoenix Quote # BA040711

Low level VOCs frozen within 6 hrs of collection.

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☒ GB Mobility
☒ Residential DEC
☒ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP RPT

* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

**Thursday, July 14, 2011**

**Attn: Mr. Jon Yeich**
**MACTEC Engineering & Consulting, Inc.**
**1090 Elm Street**
**Suite 201**
**Rocky Hill, CT 06067**

**Project ID: TRANS-LITE INC**

**Sample ID#s: BA50519 - BA50522**

**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

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 07/07/11 | 9:22 |
| Location Code: | MACTECCT \| MW 08 | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50519
Phoenix ID: BA50519

Project ID: TRANS-LITE INC

Client ID: MW-08S

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | |
| 1,4-dioxane | ND | 1.0 | ug/l | 07/08/11 | | R/J | SW8260SIM |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 98 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 103 | | % | 07/08/11 | | R/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 07/07/11 | 9:58 |
| Location Code: | MACTECCT \| MW 08 | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50519
Phoenix ID: BA50520

Project ID: TRANS-LITE INC

Client ID: MW-08I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | |
| 1,4-dioxane | 22 | 1.0 | ug/l | 07/08/11 | | R/J | SW8260SIM |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 97 | | % | 07/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 103 | | % | 07/08/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 07/07/11 | 10:39 |
| Location Code: | MACTECCT \| MW 02 | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50519
Phoenix ID: BA50521

Project ID: TRANS-LITE INC

Client ID: MW-02I

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | |
| 1,4-dioxane | 15 | 1.0 | ug/l | 07/09/11 | | R/J | SW8260SIM |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 107 | | % | 07/09/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 122 | | % | 07/09/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 88 | | % | 07/09/11 | | R/J | 70 - 130 % |

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**
**July 15, 2011**

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

July 14, 2011

FOR: Attn: Mr. Jon Yeich
MACTEC Engineering & Consulting, Inc.
1090 Elm Street
Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | GROUND WATER | Collected by: | | 07/07/11 | 11:19 |
| Location Code: | MACTECCT \| MW E | Received by: | SW | 07/08/11 | 15:00 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 201105365 | | | | |

## Laboratory Data

SDG ID: GBA50519
Phoenix ID: BA50522

Project ID: TRANS-LITE INC

Client ID: MW-EX

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| **1,4-dioxane** | | | | | | | |
| 1,4-dioxane | ND | 1.0 | ug/l | 07/11/11 | | R/J | SW8260SIM |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 100 | | % | 07/11/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 105 | | % | 07/11/11 | | R/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**July 15, 2011**

# Sample Criteria Exceedences Report



Requested Criteria: GWP, SWP

**GBA50519**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BA50520 | MACTECCT | $DIOX_WMR | 1,4-dioxane | ug/L | CT | Volatile Organic Compound | GWPC (µg/L) | 22 | 1.0 | 20 | 20 | 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:** MACTECCT

**Project Location:** TRANS-LITE INC **Project Number:**

**Laboratory Sample ID(s):** BA50519, BA50520, BA50521, BA50522

**Sampling Date(s):** 7/7/2011

**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 Protocol documents? | ☑ 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 Section: VOA-DIOXANE 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 matrix spikes and laboratory duplicates 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, July 15, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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

# RCP Certification Report

**July 15, 2011**

**SDG I.D.: GBA50519**

Method 8260
Only 1,4-Dioxane is reported as requested on the chain-of-custody.

## VOA Narration

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

**QC Comments:** QC Batch 80496 07/12/11 (BA50519, BA50520, BA50521)

A blank MS/MSD was analyzed with this batch.

## VOA-DIOXANE Narration

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

**The LCS/LCSD RPD is above the criteria. Both recoveries are within the acceptable range. The MS/MSD RPD is within the acceptable range. No significant bias is suspected.**

**Instrument:** Chem05 07/08/11-1 (BA50519, BA50520, BA50521)

1,4 dioxane was analyzed using a separate method consisting of the target compound, internal standards, and surrogates.

Initial Calibration Verification (CHEM05/DIS0613)
The following compounds had %RSDs >30%: None

Continuing Calibration Verification:
The following compounds had % Deviations >30%:

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 7/8/2011

**Instrument:** Chem05 07/11/11-1 (BA50522)

1,4 dioxane was analyzed using a separate method consisting of the target compound, internal standards, and surrogates.

Initial Calibration Verification (CHEM05/DIS0613)
The following compounds had %RSDs >30%: None

Continuing Calibration Verification:
The following compounds had % Deviations >30%:

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 7/11/2011

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

# RCP Certification Report

**July 15, 2011**

**SDG I.D.: GBA50519**

---

**QC Comments:** QC Batch 80496 07/12/11 (BA50519, BA50520, BA50521)

A blank MS/MSD was analyzed with this batch.

6°C

# CHAIN OF CUSTODY RECORD

Temp Pg 1 of 1

**PHOENIX** Environmental Laboratories, Inc.

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

**Data Delivery:**
☐ Fax #:
☐ Email:

Customer: MACTEC
Address: 1090 Elm Street, Suite 201
Rocky Hill, CT 06067

Project: Trans-Lite, Inc.
Report to: Jon Veich
Invoice to: Accounts Payable

Project P.O: 201105365
Phone #: (860)529-7191
Fax #: (860)529-7448

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 7/7/11

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**SE**=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request: 1,4-Dioxane by 8260

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | 1,4-Dioxane by 8260 | Soil VOA Vials [ ] methanol [ ] H2O | GL Soil container ( ) oz | GL Soil container ( ) oz | 40 ml VOA Vial [ ] As is [X] 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50519 | MW-08S | GW | 7/7/11 | 9:22 | X | | | | 3 | | | | | | |
| 50520 | MW-08I | GW | 7/7/11 | 9:58 | X | | | | 3 | | | | | | |
| 50521 | MW-02I | GW | 7/7/11 | 10:39 | X | | | | 3 | | | | | | |
| 50522 | MW-EX | GW | 7/7/11 | 11:19 | X | | | | 3 | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | [signature] | 7/8/11 | 14:20 |
| [signature] | [signature] | 7/8/11 | 300 |

**Comments, Special Requirements or Regulations:**

Phoenix Quote # BA040711 + E-mailed pricing from Bobbi.

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☒ GW Protection
☒ SW Protection
☐ GA Mobility
☐ GB Mobility
☐ Residential DEC
☐ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP Rpt
* SURCHARGE APPLIES

PHOENIX
Environmental Laboratories, Inc.

**Tuesday, December 13, 2011**

**Attn: Mr. Jon Yeich**
**AMEC Earth & Environmental Inc.**
**1090 Elm St., Suite 201**
**Rocky Hill, CT 06067**

**Project ID: TRANSLITE**
**Sample ID#s: BB07142 - BB07155**

**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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 11:50 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07142

Project ID: TRANSLITE

Client ID: SB-1802

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 95 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 140 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 1200 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-1802

Phoenix I.D.: BB07142

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1200 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Acetone | ND | 4800 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Benzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromoform | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromomethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloroform | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloromethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 140 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromoethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromomethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 1400 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 480 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methylene chloride | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Naphthalene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| o-Xylene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Styrene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Tetrachloroethene | 14000 | 1200 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 480 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Toluene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Total Xylenes | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 480 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichloroethene | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 240 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 12/10/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 91 | | % | 12/10/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-1802

Phoenix I.D.: BB07142

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 86 | | % | 12/10/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 12/10/11 | | H/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 11:55 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07143

Project ID: TRANSLITE

Client ID: SB-1824

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1,1-Trichloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1,2-Trichloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1-Dichloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1-Dichloroethene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,1-Dichloropropene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2,3-Trichloropropane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2-Dichlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2-Dichloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,2-Dichloropropane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,3-Dichlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,3-Dichloropropane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 1,4-Dichlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 2,2-Dichloropropane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 2-Chlorotoluene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 2-Hexanone | ND | 38 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 2-Isopropyltoluene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| 4-Chlorotoluene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |

Project ID: TRANSLITE
Client ID: SB-1824

Phoenix I.D.: BB07143

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 38 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Acetone | ND | 150 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Acrylonitrile | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Benzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Bromobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Bromochloromethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Bromodichloromethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Bromoform | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Bromomethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Carbon Disulfide | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Carbon tetrachloride | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Chlorobenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Chloroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Chloroform | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Chloromethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| cis-1,2-Dichloroethene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| cis-1,3-Dichloropropene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Dibromochloromethane | ND | 4.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Dibromoethane | ND | 7 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Dibromomethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Dichlorodifluoromethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Ethylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Hexachlorobutadiene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Isopropylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| m&p-Xylene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Methyl Ethyl Ketone | ND | 45 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 15 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Methylene chloride | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Naphthalene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| n-Butylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| n-Propylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| o-Xylene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| p-Isopropyltoluene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| sec-Butylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Styrene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| tert-Butylbenzene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Tetrachloroethene | 59 | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Tetrahydrofuran (THF) | ND | 15 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Toluene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Total Xylenes | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| trans-1,2-Dichloroethene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| trans-1,3-Dichloropropene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 15 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Trichloroethene | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Trichlorofluoromethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Trichlorotrifluoroethane | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| Vinyl chloride | ND | 7.5 | ug/Kg | 12/09/11 | | R/P | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 12/09/11 | | R/P | 70 - 130 % |
| % Bromofluorobenzene | 98 | | % | 12/09/11 | | R/P | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-1824

Phoenix I.D.: BB07143

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 92 | | % | 12/09/11 | | R/P | 70 - 130 % |
| % Toluene-d8 | 101 | | % | 12/09/11 | | R/P | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 12:40 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07144

Project ID: TRANSLITE

Client ID: SB-1902

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 96 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 4.3 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 36 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-1902

Phoenix I.D.: BB07144

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 36 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acetone | ND | 140 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Benzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromoform | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromomethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroform | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloromethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 4.3 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromoethane | ND | 7.0 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromomethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 43 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 14 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methylene chloride | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Naphthalene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| o-Xylene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Styrene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrachloroethene | 22 | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 14 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Toluene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Total Xylenes | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 14 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichloroethene | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 7.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 97 | | % | 12/09/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-1902

Phoenix I.D.: BB07144

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 103 | | % | 12/09/11 | | H/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 12:45 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07145

Project ID: TRANSLITE

Client ID: SB-1924

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 90 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.8 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 32 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-1924

Phoenix I.D.: BB07145

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 32 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acetone | ND | 130 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Benzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromoform | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroform | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.8 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 38 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 13 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Styrene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 1200 | 270 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 13 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Toluene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 13 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 6.4 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 98 | | % | 12/08/11 | | R/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-1924

Phoenix I.D.: BB07145

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 99 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 12/08/11 | | R/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 13:15 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07146

Project ID: TRANSLITE

Client ID: SB-2002

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 95 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 30 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2002

Phoenix I.D.: BB07146

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 30 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acetone | ND | 120 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Benzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromoform | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromomethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroform | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloromethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromoethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromomethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 36 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 12 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methylene chloride | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Naphthalene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| o-Xylene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Styrene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 12 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Toluene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Total Xylenes | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 12 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichloroethene | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 6.1 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 88 | | % | 12/09/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2002

Phoenix I.D.: BB07146

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 100 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 12/09/11 | | H/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 13:20 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07147

Project ID: TRANSLITE

Client ID: SB-2024

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 2.8 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | 6.2 | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 23 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2024

Phoenix I.D.: BB07147

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 23 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acetone | ND | 93 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Benzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromoform | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroform | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | 11 | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 2.8 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 28 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 9.3 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Styrene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 5.1 | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 9.3 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Toluene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 9.3 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Vinyl chloride | 13 | 4.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 103 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 86 | | % | 12/08/11 | | R/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2024

Phoenix I.D.: BB07147

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 93 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 101 | | % | 12/08/11 | | R/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 9:55 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07148

Project ID: TRANSLITE

Client ID: SB-2102

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 96 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 9.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 76 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2102

Phoenix I.D.: BB07148

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 76 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acetone | ND | 300 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Benzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromoform | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroform | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 9.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 91 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 30 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Styrene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 1000 | 170 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 30 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Toluene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 30 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 15 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 99 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 95 | | % | 12/08/11 | | R/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2102

Phoenix I.D.: BB07148

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 98 | | % | 12/08/11 | | R/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 10:05 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07149

Project ID: TRANSLITE

Client ID: SB-2124

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 90 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 6.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 56 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2124

Phoenix I.D.: BB07149

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 56 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acetone | ND | 220 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Benzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromoform | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroform | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 6.7 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 67 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 22 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Styrene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 220 | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 22 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Toluene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 22 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 11 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 102 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 92 | | % | 12/08/11 | | R/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2124

Phoenix I.D.: BB07149

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 95 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 98 | | % | 12/08/11 | | R/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 10:20 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07150

Project ID: TRANSLITE

Client ID: SB-2202

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 86 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | 380 | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 190 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 1600 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2202

Phoenix I.D.: BB07150

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1600 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Acetone | ND | 6500 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Benzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromoform | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Bromomethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloroform | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Chloromethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 190 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromoethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dibromomethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 1900 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 650 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Methylene chloride | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Naphthalene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| o-Xylene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Styrene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Tetrachloroethene | 16000 | 1500 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 650 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Toluene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Total Xylenes | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 650 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichloroethene | 330 | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 320 | ug/Kg | 12/10/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 103 | | % | 12/10/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 90 | | % | 12/10/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2202

Phoenix I.D.: BB07150

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 106 | | % | 12/10/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 97 | | % | 12/10/11 | | H/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 10:25 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07151

Project ID: TRANSLITE

Client ID: SB-2224

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 82 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 5.7 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 48 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2224

Phoenix I.D.: BB07151

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 48 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acetone | ND | 190 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Benzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromoform | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Bromomethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloroform | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Chloromethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 5.7 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromoethane | ND | 7.0 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dibromomethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 57 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 19 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Methylene chloride | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Naphthalene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| o-Xylene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Styrene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrachloroethene | 15 | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 19 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Toluene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Total Xylenes | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 19 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichloroethene | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 9.6 | ug/Kg | 12/09/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 95 | | % | 12/09/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2224

Phoenix I.D.: BB07151

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 93 | | % | 12/09/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 101 | | % | 12/09/11 | | H/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 10:50 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07152

Project ID: TRANSLITE

Client ID: SB-2302

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 96 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1,1-Trichloroethane | 940 | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 160 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1,2-Trichloroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1-Dichloroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1-Dichloroethene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,1-Dichloropropene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2,3-Trichloropropane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2-Dichlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2-Dichloroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,2-Dichloropropane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,3-Dichlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,3-Dichloropropane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 1,4-Dichlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 2,2-Dichloropropane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 2-Chlorotoluene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 2-Hexanone | ND | 1300 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 2-Isopropyltoluene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| 4-Chlorotoluene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2302

Phoenix I.D.: BB07152

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1300 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Acetone | ND | 5400 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Acrylonitrile | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Benzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Bromobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Bromochloromethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Bromodichloromethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Bromoform | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Bromomethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Carbon Disulfide | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Carbon tetrachloride | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Chlorobenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Chloroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Chloroform | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Chloromethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| cis-1,2-Dichloroethene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| cis-1,3-Dichloropropene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Dibromochloromethane | ND | 160 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Dibromoethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Dibromomethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Dichlorodifluoromethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Ethylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Hexachlorobutadiene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Isopropylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| m&p-Xylene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Methyl Ethyl Ketone | ND | 1600 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 540 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Methylene chloride | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Naphthalene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| n-Butylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| n-Propylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| o-Xylene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| p-Isopropyltoluene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| sec-Butylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Styrene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| tert-Butylbenzene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Tetrachloroethene | 18000 | 1300 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Tetrahydrofuran (THF) | ND | 540 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Toluene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Total Xylenes | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| trans-1,2-Dichloroethene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| trans-1,3-Dichloropropene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 540 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Trichloroethene | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Trichlorofluoromethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Trichlorotrifluoroethane | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| Vinyl chloride | ND | 270 | ug/Kg | 12/12/11 | | HM | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 100 | | % | 12/12/11 | | HM | 70 - 130 % |
| % Bromofluorobenzene | 89 | | % | 12/12/11 | | HM | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2302

Phoenix I.D.: BB07152

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 98 | | % | 12/12/11 | | HM | 70 - 130 % |
| % Toluene-d8 | 100 | | % | 12/12/11 | | HM | 70 - 130 % |

Comments:

Elevated reporting limits for volatiles due to the presence of target compounds.

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 10:55 |
| Location Code: | AMEC \| SB | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07153

Project ID: TRANSLITE

Client ID: SB-2324

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 87 | | % | 12/05/11 | | JL | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,1-Trichloroethane | 55 | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Chlorotoluene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Hexanone | ND | 26 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| 4-Chlorotoluene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |

Project ID: TRANSLITE
Client ID: SB-2324

Phoenix I.D.: BB07153

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 26 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Acrylonitrile | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Benzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromochloromethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromodichloromethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromoform | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Bromomethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon Disulfide | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Carbon tetrachloride | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chlorobenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloroform | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Chloromethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromochloromethane | ND | 3.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromoethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dibromomethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Ethylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Hexachlorobutadiene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Isopropylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| m&p-Xylene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl Ethyl Ketone | ND | 31 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Methylene chloride | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Naphthalene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Butylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| n-Propylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| o-Xylene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| p-Isopropyltoluene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| sec-Butylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Styrene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| tert-Butylbenzene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrachloroethene | 110 | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Toluene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Total Xylenes | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichloroethene | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorofluoromethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| Vinyl chloride | ND | 5.1 | ug/Kg | 12/08/11 | | R/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 98 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Bromofluorobenzene | 94 | | % | 12/08/11 | | R/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: SB-2324

Phoenix I.D.: BB07153

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 96 | | % | 12/08/11 | | R/J | 70 - 130 % |
| % Toluene-d8 | 98 | | % | 12/08/11 | | R/J | 70 - 130 % |

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 0:00 |
| Location Code: | AMEC \| TB HIGH | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07154

Project ID: TRANSLITE

Client ID: TB HIGH

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 100 | 1 | % | 12/09/11 | | H/J | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 1300 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: TB HIGH

Phoenix I.D.: BB07154

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 1300 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Acetone | ND | 5000 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 500 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Benzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromoform | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromomethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloroform | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromoethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromomethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 3000 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methylene chloride | ND | 500 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Naphthalene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| o-Xylene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Styrene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 500 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Toluene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Total Xylenes | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 500 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichloroethene | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 250 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 12/08/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 101 | | % | 12/08/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: TB HIGH

Phoenix I.D.: BB07154

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 89 | | % | 12/08/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 102 | | % | 12/08/11 | | H/J | 70 - 130 % |

Comments:

TRIP BLANK INCLUDED 100% SOLID ASSUMED

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**
**December 15, 2011**

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

December 13, 2011

FOR: Attn: Mr. Jon Yeich
AMEC Earth & Environmental Inc.
1090 Elm St., Suite 201
Rocky Hill, CT 06067

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | SOIL | Collected by: | | 12/02/11 | 0:00 |
| Location Code: | AMEC \| TB LOW | Received by: | LB | 12/05/11 | 16:44 |
| Rush Request: | | Analyzed by: | see "By" below | | |
| P.O.#: | 2011053C5 | | | | |

## Laboratory Data

SDG ID: GBB07142
Phoenix ID: BB07155

Project ID: TRANSLITE

Client ID: TB LOW

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| Percent Solid | 100 | 1 | % | | | | E160.3 |
| Field Extraction | Completed | | | 12/02/11 | | OL | SW5035 |
| **Volatiles** | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,1-Trichloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,2,2-Tetrachloroethane | ND | 3.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1,2-Trichloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloroethene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,1-Dichloropropene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,3-Trichlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,3-Trichloropropane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,4-Trichlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2,4-Trimethylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,2-Dichloropropane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3,5-Trimethylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3-Dichlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,3-Dichloropropane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 1,4-Dichlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2,2-Dichloropropane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Chlorotoluene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Hexanone | ND | 25 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 2-Isopropyltoluene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| 4-Chlorotoluene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |

Project ID: TRANSLITE
Client ID: TB LOW

Phoenix I.D.: BB07155

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| 4-Methyl-2-pentanone | ND | 25 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Acetone | ND | 100 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Acrylonitrile | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Benzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromochloromethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromodichloromethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromoform | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Bromomethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Carbon Disulfide | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Carbon tetrachloride | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chlorobenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloroform | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Chloromethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| cis-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| cis-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromochloromethane | ND | 3.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromoethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dibromomethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Dichlorodifluoromethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Ethylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Hexachlorobutadiene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Isopropylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| m&p-Xylene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methyl Ethyl Ketone | ND | 30 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methyl t-butyl ether (MTBE) | ND | 10 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Methylene chloride | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Naphthalene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| n-Butylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| n-Propylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| o-Xylene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| p-Isopropyltoluene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| sec-Butylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Styrene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| tert-Butylbenzene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Tetrachloroethene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Tetrahydrofuran (THF) | ND | 10 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Toluene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Total Xylenes | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,2-Dichloroethene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,3-Dichloropropene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| trans-1,4-dichloro-2-butene | ND | 10 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichloroethene | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichlorofluoromethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Trichlorotrifluoroethane | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| Vinyl chloride | ND | 5.0 | ug/Kg | 12/08/11 | | H/J | SW8260 |
| **QA/QC Surrogates** | | | | | | | |
| % 1,2-dichlorobenzene-d4 | 97 | | % | 12/08/11 | | H/J | 70 - 130 % |
| % Bromofluorobenzene | 100 | | % | 12/08/11 | | H/J | 70 - 130 % |

Project ID: TRANSLITE
Client ID: TB LOW

Phoenix I.D.: BB07155

| Parameter | Result | RL | Units | Date | Time | By | Reference |
|---|---|---|---|---|---|---|---|
| % Dibromofluoromethane | 95 | | % | 12/08/11 | | H/J | 70 - 130 % |
| % Toluene-d8 | 102 | | % | 12/08/11 | | H/J | 70 - 130 % |

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

This report must not be reproduced except in full as defined by the attached chain of custody.

**Phyllis Shiller, Laboratory Director**
**December 15, 2011**

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

December 15, 2011

## QA/QC Data

SDG I.D.: GBB07142

QA/QC Batch 190406, QC Sample No: BB06832 (BB07149, BB07153)

### Volatiles - Soil

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 124 | 119 | 4.1 | | | | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 120 | 120 | 0.0 | | | | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 118 | 111 | 6.1 | | | | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 122 | 113 | 7.7 | | | | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 119 | 115 | 3.4 | | | | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 101 | 105 | 3.9 | | | | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 120 | 118 | 1.7 | | | | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 127 | 115 | 9.9 | | | | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 126 | 115 | 9.1 | | | | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 123 | 108 | 13.0 | | | | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 124 | 118 | 5.0 | | | | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 129 | 116 | 10.6 | | | | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 117 | 107 | 8.9 | | | | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 122 | 114 | 6.8 | | | | 70 - 130 | 30 |
| 1,2-Dichloropropane | ND | 121 | 116 | 4.2 | | | | 70 - 130 | 30 |
| 1,3,5-Trimethylbenzene | ND | 129 | 123 | 4.8 | | | | 70 - 130 | 30 |
| 1,3-Dichlorobenzene | ND | 122 | 112 | 8.5 | | | | 70 - 130 | 30 |
| 1,3-Dichloropropane | ND | 124 | 119 | 4.1 | | | | 70 - 130 | 30 |
| 1,4-Dichlorobenzene | ND | 119 | 109 | 8.8 | | | | 70 - 130 | 30 |
| 2,2-Dichloropropane | ND | 117 | 118 | 0.9 | | | | 70 - 130 | 30 |
| 2-Chlorotoluene | ND | 122 | 119 | 2.5 | | | | 70 - 130 | 30 |
| 2-Hexanone | ND | 75 | 73 | 2.7 | | | | 70 - 130 | 30 |
| 2-Isopropyltoluene | ND | 116 | 114 | 1.7 | | | | 70 - 130 | 30 |
| 4-Chlorotoluene | ND | 120 | 114 | 5.1 | | | | 70 - 130 | 30 |
| 4-Methyl-2-pentanone | ND | 111 | 102 | 8.5 | | | | 70 - 130 | 30 |
| Acetone | ND | 57 | 65 | 13.1 | | | | 70 - 130 | 30 |
| Acrylonitrile | ND | 112 | 102 | 9.3 | | | | 70 - 130 | 30 |
| Benzene | ND | 119 | 117 | 1.7 | | | | 70 - 130 | 30 |
| Bromobenzene | ND | 124 | 120 | 3.3 | | | | 70 - 130 | 30 |
| Bromochloromethane | ND | 123 | 116 | 5.9 | | | | 70 - 130 | 30 |
| Bromodichloromethane | ND | 125 | 120 | 4.1 | | | | 70 - 130 | 30 |
| Bromoform | ND | 122 | 113 | 7.7 | | | | 70 - 130 | 30 |
| Bromomethane | ND | 98 | 101 | 3.0 | | | | 70 - 130 | 30 |
| Carbon Disulfide | ND | 106 | 109 | 2.8 | | | | 70 - 130 | 30 |
| Carbon tetrachloride | ND | 122 | 125 | 2.4 | | | | 70 - 130 | 30 |
| Chlorobenzene | ND | 117 | 111 | 5.3 | | | | 70 - 130 | 30 |
| Chloroethane | ND | 106 | 108 | 1.9 | | | | 70 - 130 | 30 |
| Chloroform | ND | 119 | 118 | 0.8 | | | | 70 - 130 | 30 |
| Chloromethane | ND | 118 | 117 | 0.9 | | | | 70 - 130 | 30 |
| cis-1,2-Dichloroethene | ND | 117 | 116 | 0.9 | | | | 70 - 130 | 30 |
| cis-1,3-Dichloropropene | ND | 122 | 119 | 2.5 | | | | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | 127 | 121 | 4.8 | | | | 70 - 130 | 30 |
| Dibromoethane | ND | 122 | 117 | 4.2 | | | | 70 - 130 | 30 |
| Dibromomethane | ND | 120 | 116 | 3.4 | | | | 70 - 130 | 30 |
| Dichlorodifluoromethane | ND | 109 | 107 | 1.9 | | | | 70 - 130 | 30 |
| Ethylbenzene | ND | 120 | 118 | 1.7 | | | | 70 - 130 | 30 |
| Hexachlorobutadiene | ND | 114 | 104 | 9.2 | | | | 70 - 130 | 30 |
| Isopropylbenzene | ND | 122 | 122 | 0.0 | | | | 70 - 130 | 30 |
| m&p-Xylene | ND | 121 | 115 | 5.1 | | | | 70 - 130 | 30 |
| Methyl ethyl ketone | ND | 68 | 73 | 7.1 | | | | 70 - 130 | 30 |
| Methyl t-butyl ether (MTBE) | ND | 107 | 102 | 4.8 | | | | 70 - 130 | 30 |
| Methylene chloride | ND | 107 | 111 | 3.7 | | | | 70 - 130 | 30 |
| Naphthalene | ND | 130 | 130 | 0.0 | | | | 70 - 130 | 30 |
| n-Butylbenzene | ND | 128 | 122 | 4.8 | | | | 70 - 130 | 30 |
| n-Propylbenzene | ND | 119 | 114 | 4.3 | | | | 70 - 130 | 30 |
| o-Xylene | ND | 117 | 112 | 4.4 | | | | 70 - 130 | 30 |
| p-Isopropyltoluene | ND | 130 | 125 | 3.9 | | | | 70 - 130 | 30 |
| sec-Butylbenzene | ND | 120 | 117 | 2.5 | | | | 70 - 130 | 30 |
| Styrene | ND | 116 | 110 | 5.3 | | | | 70 - 130 | 30 |
| tert-Butylbenzene | ND | 121 | 120 | 0.8 | | | | 70 - 130 | 30 |
| Tetrachloroethene | ND | 122 | 117 | 4.2 | | | | 70 - 130 | 30 |
| Tetrahydrofuran (THF) | ND | 111 | 102 | 8.5 | | | | 70 - 130 | 30 |
| Toluene | ND | 120 | 117 | 2.5 | | | | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 99 | 115 | 15.0 | | | | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 119 | 116 | 2.6 | | | | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 109 | 110 | 0.9 | | | | 70 - 130 | 30 |
| Trichloroethene | ND | 119 | 118 | 0.8 | | | | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 124 | 116 | 6.7 | | | | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 99 | 101 | 2.0 | | | | 70 - 130 | 30 |
| Vinyl chloride | ND | 105 | 104 | 1.0 | | | | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 100 | 100 | 98 | 2.0 | | | | 70 - 130 | 30 |
| % Bromofluorobenzene | 95 | 100 | 99 | 1.0 | | | | 70 - 130 | 30 |
| % Dibromofluoromethane | 96 | 100 | 100 | 0.0 | | | | 70 - 130 | 30 |
| % Toluene-d8 | 99 | 100 | 100 | 0.0 | | | | 70 - 130 | 30 |

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190402, QC Sample No: BB07083 (BB07146)

## Volatiles - Soil

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 104 | 106 | 1.9 | 112 | 112 | 0.0 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 110 | 104 | 5.6 | 123 | 122 | 0.8 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 102 | 101 | 1.0 | 109 | 115 | 5.4 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 105 | 107 | 1.9 | 118 | 121 | 2.5 | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 105 | 100 | 4.9 | 116 | 118 | 1.7 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 95 | 93 | 2.1 | 127 | 114 | 10.8 | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 105 | 99 | 5.9 | 123 | 122 | 0.8 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 106 | 101 | 4.8 | 111 | 116 | 4.4 | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 112 | 101 | 10.3 | 107 | 112 | 4.6 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 95 | 89 | 6.5 | 108 | 110 | 1.8 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 105 | 99 | 5.9 | 113 | 113 | 0.0 | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 111 | 113 | 1.8 | 120 | 125 | 4.1 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 99 | 98 | 1.0 | 107 | 110 | 2.8 | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 103 | 104 | 1.0 | 114 | 117 | 2.6 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | ND | 107 | 106 | 0.9 | 116 | 117 | 0.9 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 107 | 103 | 3.8 | 114 | 115 | 0.9 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 96 | 93 | 3.2 | 107 | 112 | 4.6 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 107 | 104 | 2.8 | 113 | 118 | 4.3 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 94 | 92 | 2.2 | 104 | 108 | 3.8 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 108 | 101 | 6.7 | 118 | 117 | 0.9 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 102 | 98 | 4.0 | 110 | 112 | 1.8 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 86 | 76 | 12.3 | 71 | 80 | 11.9 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 106 | 99 | 6.8 | 116 | 114 | 1.7 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 96 | 93 | 3.2 | 110 | 112 | 1.8 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 100 | 103 | 3.0 | 117 | 131 | 11.3 | 70 - 130 | 30 | m |
| Acetone | ND | 78 | 68 | 13.7 | 46 | 54 | 16.0 | 70 - 130 | 30 | l,m |
| Acrylonitrile | ND | 106 | 97 | 8.9 | 118 | 137 | 14.9 | 70 - 130 | 30 | m |
| Benzene | ND | 105 | 103 | 1.9 | 118 | 119 | 0.8 | 70 - 130 | 30 | |
| Bromobenzene | ND | 102 | 99 | 3.0 | 107 | 108 | 0.9 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 105 | 104 | 1.0 | 114 | 118 | 3.4 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 104 | 106 | 1.9 | 114 | 116 | 1.7 | 70 - 130 | 30 | |
| Bromoform | ND | 109 | 109 | 0.0 | 116 | 123 | 5.9 | 70 - 130 | 30 | |
| Bromomethane | ND | 96 | 95 | 1.0 | 99 | 97 | 2.0 | 70 - 130 | 30 | |
| Carbon Disulfide | ND | 101 | 97 | 4.0 | 124 | 112 | 10.2 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 108 | 103 | 4.7 | 122 | 118 | 3.3 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 99 | 96 | 3.1 | 110 | 114 | 3.6 | 70 - 130 | 30 | |
| Chloroethane | ND | 98 | 95 | 3.1 | 62 | 57 | 8.4 | 70 - 130 | 30 | m |
| Chloroform | ND | 107 | 101 | 5.8 | 116 | 114 | 1.7 | 70 - 130 | 30 | |
| Chloromethane | ND | 101 | 100 | 1.0 | 119 | 126 | 5.7 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 106 | 102 | 3.8 | 116 | 116 | 0.0 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 106 | 105 | 0.9 | 114 | 118 | 3.4 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 107 | 102 | 4.8 | 113 | 116 | 2.6 | 70 - 130 | 30 | |
| Dibromoethane | ND | 105 | 106 | 0.9 | 117 | 121 | 3.4 | 70 - 130 | 30 | |
| Dibromomethane | ND | 105 | 106 | 0.9 | 116 | 120 | 3.4 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 94 | 92 | 2.2 | 135 | 138 | 2.2 | 70 - 130 | 30 | m |
| Ethylbenzene | ND | 103 | 101 | 2.0 | 117 | 117 | 0.0 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 100 | 95 | 5.1 | 118 | 118 | 0.0 | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 106 | 101 | 4.8 | 116 | 114 | 1.7 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 103 | 101 | 2.0 | 118 | 118 | 0.0 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 82 | 73 | 11.6 | 64 | 78 | 19.7 | 70 - 130 | 30 | m |
| Methyl t-butyl ether (MTBE) | ND | 104 | 105 | 1.0 | 114 | 123 | 7.6 | 70 - 130 | 30 | |
| Methylene chloride | ND | 98 | 96 | 2.1 | 114 | 105 | 8.2 | 70 - 130 | 30 | |
| Naphthalene | ND | 125 | 117 | 6.6 | 134 | 136 | 1.5 | 70 - 130 | 30 | m |
| n-Butylbenzene | ND | 106 | 93 | 13.1 | 120 | 115 | 4.3 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 97 | 92 | 5.3 | 114 | 115 | 0.9 | 70 - 130 | 30 | |
| o-Xylene | ND | 105 | 104 | 1.0 | 119 | 120 | 0.8 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 110 | 103 | 6.6 | 119 | 117 | 1.7 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 106 | 100 | 5.8 | 119 | 120 | 0.8 | 70 - 130 | 30 | |
| Styrene | ND | 106 | 105 | 0.9 | 119 | 121 | 1.7 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 107 | 103 | 3.8 | 117 | 118 | 0.9 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 99 | 94 | 5.2 | 118 | 117 | 0.9 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 109 | 108 | 0.9 | 120 | 131 | 8.8 | 70 - 130 | 30 | m |
| Toluene | ND | 103 | 103 | 0.0 | 118 | 119 | 0.8 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 99 | 92 | 7.3 | 120 | 109 | 9.6 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 107 | 105 | 1.9 | 115 | 116 | 0.9 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 106 | 105 | 0.9 | 112 | 116 | 3.5 | 70 - 130 | 30 | |
| Trichloroethene | ND | 103 | 100 | 3.0 | 117 | 117 | 0.0 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichlorofluoromethane | ND | 112 | 111 | 0.9 | 119 | 113 | 5.2 | 70 - 130 | 30 | |
| Trichlorotrifluoroethane | ND | 103 | 96 | 7.0 | 133 | 122 | 8.6 | 70 - 130 | 30 | m |
| Vinyl chloride | ND | 97 | 97 | 0.0 | 122 | 125 | 2.4 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 100 | 101 | 100 | 1.0 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 93 | 100 | 103 | 3.0 | 107 | 105 | 1.9 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 102 | 95 | 99 | 4.1 | 104 | 107 | 2.8 | 70 - 130 | 30 | |
| % Toluene-d8 | 102 | 100 | 102 | 2.0 | 100 | 101 | 1.0 | 70 - 130 | 30 | |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190495, QC Sample No: BB07180 (BB07151)

## Volatiles - Soil

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 113 | 109 | 3.6 | 104 | 106 | 1.9 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 111 | 111 | 0.0 | 100 | 101 | 1.0 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 95 | 90 | 5.4 | 85 | 85 | 0.0 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 105 | 103 | 1.9 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 95 | 99 | 4.1 | 96 | 91 | 5.3 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 88 | 88 | 0.0 | 86 | 85 | 1.2 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 116 | 114 | 1.7 | 106 | 105 | 0.9 | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 105 | 96 | 9.0 | 91 | 88 | 3.4 | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 105 | 97 | 7.9 | 98 | 95 | 3.1 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 87 | 83 | 4.7 | 76 | 73 | 4.0 | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 110 | 106 | 3.7 | 101 | 96 | 5.1 | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 108 | 102 | 5.7 | 89 | 97 | 8.6 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 98 | 97 | 1.0 | 91 | 90 | 1.1 | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 112 | 110 | 1.8 | 104 | 105 | 1.0 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 116 | 113 | 2.6 | 106 | 107 | 0.9 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 116 | 111 | 4.4 | 106 | 101 | 4.8 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 96 | 95 | 1.0 | 88 | 86 | 2.3 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 112 | 106 | 5.5 | 102 | 103 | 1.0 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 91 | 90 | 1.1 | 83 | 82 | 1.2 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 107 | 107 | 0.0 | 98 | 94 | 4.2 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 109 | 108 | 0.9 | 100 | 98 | 2.0 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 88 | 76 | 14.6 | 75 | 78 | 3.9 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 114 | 110 | 3.6 | 105 | 100 | 4.9 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 99 | 98 | 1.0 | 90 | 90 | 0.0 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 98 | 89 | 9.6 | 92 | 93 | 1.1 | 70 - 130 | 30 | |
| Acetone | ND | 69 | 64 | 7.5 | 63 | 66 | 4.7 | 70 - 130 | 30 | l,m |
| Acrylonitrile | ND | 76 | 81 | 6.4 | 78 | 80 | 2.5 | 70 - 130 | 30 | |
| Benzene | ND | 116 | 112 | 3.5 | 107 | 106 | 0.9 | 70 - 130 | 30 | |
| Bromobenzene | ND | 111 | 110 | 0.9 | 100 | 101 | 1.0 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 92 | 90 | 2.2 | 84 | 87 | 3.5 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 112 | 111 | 0.9 | 102 | 105 | 2.9 | 70 - 130 | 30 | |
| Bromoform | ND | 97 | 97 | 0.0 | 88 | 95 | 7.7 | 70 - 130 | 30 | |
| Bromomethane | ND | 73 | 75 | 2.7 | 78 | 68 | 13.7 | 70 - 130 | 30 | m |
| Carbon Disulfide | ND | 86 | 87 | 1.2 | 84 | 83 | 1.2 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 121 | 125 | 3.3 | 108 | 110 | 1.8 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 105 | 106 | 0.9 | 97 | 100 | 3.0 | 70 - 130 | 30 | |
| Chloroethane | ND | 85 | 84 | 1.2 | 85 | 83 | 2.4 | 70 - 130 | 30 | |
| Chloroform | ND | 105 | 103 | 1.9 | 96 | 97 | 1.0 | 70 - 130 | 30 | |
| Chloromethane | ND | 86 | 81 | 6.0 | 78 | 74 | 5.3 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 99 | 99 | 0.0 | 97 | 90 | 7.5 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 113 | 108 | 4.5 | 99 | 99 | 0.0 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dibromochloromethane | ND | 105 | 103 | 1.9 | 95 | 99 | 4.1 | 70 - 130 | 30 |
| Dibromoethane | ND | 105 | 104 | 1.0 | 97 | 99 | 2.0 | 70 - 130 | 30 |
| Dibromomethane | ND | 105 | 101 | 3.9 | 95 | 99 | 4.1 | 70 - 130 | 30 |
| Dichlorodifluoromethane | ND | 79 | 82 | 3.7 | 73 | 72 | 1.4 | 70 - 130 | 30 |
| Ethylbenzene | ND | 112 | 112 | 0.0 | 104 | 105 | 1.0 | 70 - 130 | 30 |
| Hexachlorobutadiene | ND | 115 | 105 | 9.1 | 102 | 92 | 10.3 | 70 - 130 | 30 |
| Isopropylbenzene | ND | 119 | 119 | 0.0 | 107 | 107 | 0.0 | 70 - 130 | 30 |
| m&p-Xylene | ND | 110 | 106 | 3.7 | 101 | 100 | 1.0 | 70 - 130 | 30 |
| Methyl ethyl ketone | ND | 81 | 71 | 13.2 | 70 | 70 | 0.0 | 70 - 130 | 30 |
| Methyl t-butyl ether (MTBE) | ND | 90 | 83 | 8.1 | 91 | 89 | 2.2 | 70 - 130 | 30 |
| Methylene chloride | ND | 83 | 81 | 2.4 | 82 | 82 | 0.0 | 70 - 130 | 30 |
| Naphthalene | ND | 112 | 103 | 8.4 | 96 | 100 | 4.1 | 70 - 130 | 30 |
| n-Butylbenzene | ND | 103 | 100 | 3.0 | 94 | 90 | 4.3 | 70 - 130 | 30 |
| n-Propylbenzene | ND | 106 | 105 | 0.9 | 96 | 94 | 2.1 | 70 - 130 | 30 |
| o-Xylene | ND | 110 | 108 | 1.8 | 102 | 102 | 0.0 | 70 - 130 | 30 |
| p-Isopropyltoluene | ND | 117 | 113 | 3.5 | 106 | 102 | 3.8 | 70 - 130 | 30 |
| sec-Butylbenzene | ND | 113 | 112 | 0.9 | 104 | 101 | 2.9 | 70 - 130 | 30 |
| Styrene | ND | 104 | 101 | 2.9 | 98 | 98 | 0.0 | 70 - 130 | 30 |
| tert-Butylbenzene | ND | 121 | 119 | 1.7 | 110 | 107 | 2.8 | 70 - 130 | 30 |
| Tetrachloroethene | ND | 113 | 112 | 0.9 | 104 | 103 | 1.0 | 70 - 130 | 30 |
| Tetrahydrofuran (THF) | ND | 92 | 88 | 4.4 | 88 | 89 | 1.1 | 70 - 130 | 30 |
| Toluene | ND | 113 | 114 | 0.9 | 106 | 107 | 0.9 | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 87 | 85 | 2.3 | 84 | 84 | 0.0 | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 105 | 102 | 2.9 | 96 | 96 | 0.0 | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 90 | 88 | 2.2 | 79 | 82 | 3.7 | 70 - 130 | 30 |
| Trichloroethene | ND | 119 | 117 | 1.7 | 111 | 111 | 0.0 | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 100 | 101 | 1.0 | 101 | 100 | 1.0 | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 89 | 90 | 1.1 | 90 | 87 | 3.4 | 70 - 130 | 30 |
| Vinyl chloride | ND | 87 | 87 | 0.0 | 86 | 85 | 1.2 | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 99 | 97 | 97 | 0.0 | 98 | 98 | 0.0 | 70 - 130 | 30 |
| % Bromofluorobenzene | 98 | 102 | 102 | 0.0 | 104 | 105 | 1.0 | 70 - 130 | 30 |
| % Dibromofluoromethane | 88 | 93 | 94 | 1.1 | 96 | 96 | 0.0 | 70 - 130 | 30 |
| % Toluene-d8 | 102 | 102 | 104 | 1.9 | 102 | 102 | 0.0 | 70 - 130 | 30 |

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190412, QC Sample No: BB07499 (BB07144, BB07145 (48X) , BB07148 (32X) , BB07154, BB07155)

## Volatiles - Soil

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 109 | 110 | 0.9 | 105 | 108 | 2.8 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 110 | 105 | 4.7 | 116 | 119 | 2.6 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 103 | 100 | 3.0 | 92 | 99 | 7.3 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 114 | 113 | 0.9 | 102 | 109 | 6.6 | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 101 | 92 | 9.3 | 97 | 106 | 8.9 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 87 | 83 | 4.7 | 97 | 101 | 4.0 | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 114 | 110 | 3.6 | 118 | 121 | 2.5 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 108 | 117 | 8.0 | 99 | 101 | 2.0 | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 104 | 108 | 3.8 | 94 | 103 | 9.1 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 97 | 100 | 3.0 | 98 | 101 | 3.0 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 110 | 110 | 0.0 | 113 | 113 | 0.0 | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 113 | 115 | 1.8 | 90 | 96 | 6.5 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 101 | 101 | 0.0 | 100 | 104 | 3.9 | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 117 | 117 | 0.0 | 111 | 116 | 4.4 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | ND | 118 | 115 | 2.6 | 113 | 118 | 4.3 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 112 | 113 | 0.9 | 116 | 115 | 0.9 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 100 | 101 | 1.0 | 102 | 107 | 4.8 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 117 | 117 | 0.0 | 105 | 106 | 0.9 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 96 | 97 | 1.0 | 99 | 104 | 4.9 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 110 | 102 | 7.5 | 108 | 113 | 4.5 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 109 | 109 | 0.0 | 112 | 115 | 2.6 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 90 | 103 | 13.5 | 48 | 54 | 11.8 | 70 - 130 | 30 | m |
| 2-Isopropyltoluene | ND | 110 | 110 | 0.0 | 115 | 116 | 0.9 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 102 | 102 | 0.0 | 111 | 115 | 3.5 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 108 | 111 | 2.7 | 85 | 93 | 9.0 | 70 - 130 | 30 | |
| Acetone | ND | 70 | 74 | 5.6 | <40 | <40 | NC | 70 - 130 | 30 | m |
| Acrylonitrile | ND | 96 | 89 | 7.6 | 78 | 92 | 16.5 | 70 - 130 | 30 | |
| Benzene | ND | 113 | 111 | 1.8 | 116 | 119 | 2.6 | 70 - 130 | 30 | |
| Bromobenzene | ND | 113 | 112 | 0.9 | 107 | 112 | 4.6 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 99 | 95 | 4.1 | 87 | 95 | 8.8 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 115 | 111 | 3.5 | 108 | 111 | 2.7 | 70 - 130 | 30 | |
| Bromoform | ND | 103 | 100 | 3.0 | 85 | 96 | 12.2 | 70 - 130 | 30 | |
| Bromomethane | ND | 72 | 67 | 7.2 | 58 | 54 | 7.1 | 70 - 130 | 30 | l,m |
| Carbon Disulfide | ND | 85 | 82 | 3.6 | 86 | 92 | 6.7 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 118 | 108 | 8.8 | 118 | 124 | 5.0 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 107 | 104 | 2.8 | 109 | 112 | 2.7 | 70 - 130 | 30 | |
| Chloroethane | ND | 83 | 80 | 3.7 | <40 | <40 | NC | 70 - 130 | 30 | m |
| Chloroform | ND | 108 | 100 | 7.7 | 105 | 109 | 3.7 | 70 - 130 | 30 | |
| Chloromethane | ND | 92 | 88 | 4.4 | 82 | 86 | 4.8 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 104 | 99 | 4.9 | 99 | 105 | 5.9 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 120 | 116 | 3.4 | 108 | 111 | 2.7 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 108 | 109 | 0.9 | 97 | 100 | 3.0 | 70 - 130 | 30 | |
| Dibromoethane | ND | 115 | 113 | 1.8 | 101 | 108 | 6.7 | 70 - 130 | 30 | |
| Dibromomethane | ND | 112 | 110 | 1.8 | 98 | 105 | 6.9 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 85 | 80 | 6.1 | 84 | 92 | 9.1 | 70 - 130 | 30 | |
| Ethylbenzene | ND | 110 | 108 | 1.8 | 117 | 120 | 2.5 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 110 | 115 | 4.4 | 127 | 121 | 4.8 | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 115 | 115 | 0.0 | 121 | 123 | 1.6 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 108 | 107 | 0.9 | 116 | 116 | 0.0 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 84 | 92 | 9.1 | <40 | <40 | NC | 70 - 130 | 30 | m |
| Methyl t-butyl ether (MTBE) | ND | 99 | 95 | 4.1 | 89 | 92 | 3.3 | 70 - 130 | 30 | |
| Methylene chloride | ND | 84 | 83 | 1.2 | 80 | 85 | 6.1 | 70 - 130 | 30 | |
| Naphthalene | ND | 119 | 128 | 7.3 | 93 | 102 | 9.2 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 104 | 104 | 0.0 | 115 | 116 | 0.9 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 105 | 104 | 1.0 | 117 | 120 | 2.5 | 70 - 130 | 30 | |
| o-Xylene | ND | 109 | 109 | 0.0 | 110 | 114 | 3.6 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 117 | 116 | 0.9 | 119 | 120 | 0.8 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 110 | 108 | 1.8 | 118 | 120 | 1.7 | 70 - 130 | 30 | |
| Styrene | ND | 106 | 104 | 1.9 | 105 | 109 | 3.7 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 117 | 115 | 1.7 | 121 | 123 | 1.6 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 111 | 111 | 0.0 | 121 | 123 | 1.6 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 106 | 106 | 0.0 | 89 | 100 | 11.6 | 70 - 130 | 30 | |
| Toluene | ND | 113 | 110 | 2.7 | 117 | 124 | 5.8 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 85 | 84 | 1.2 | 92 | 94 | 2.2 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 112 | 110 | 1.8 | 102 | 107 | 4.8 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 103 | 103 | 0.0 | 83 | 90 | 8.1 | 70 - 130 | 30 | |
| Trichloroethene | ND | 116 | 114 | 1.7 | 119 | 121 | 1.7 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichlorofluoromethane | ND | 97 | 92 | 5.3 | 82 | 83 | 1.2 | 70 - 130 | 30 | |
| Trichlorotrifluoroethane | ND | 90 | 84 | 6.9 | 98 | 103 | 5.0 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 87 | 83 | 4.7 | 87 | 92 | 5.6 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 98 | 98 | 100 | 2.0 | 97 | 97 | 0.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 102 | 104 | 105 | 1.0 | 103 | 106 | 2.9 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 93 | 101 | 99 | 2.0 | 98 | 96 | 2.1 | 70 - 130 | 30 | |
| % Toluene-d8 | 101 | 104 | 102 | 1.9 | 103 | 104 | 1.0 | 70 - 130 | 30 | |

Comment:

The MS/MSD are not reported for this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190397, QC Sample No: BB07942 (BB07145, BB07147, BB07148)

## Volatiles - Soil

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 106 | 107 | 0.9 | 99 | 100 | 1.0 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 103 | 106 | 2.9 | 91 | 105 | 14.3 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 103 | 105 | 1.9 | 93 | 95 | 2.1 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 109 | 109 | 0.0 | 94 | 101 | 7.2 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 96 | 98 | 2.1 | 89 | 95 | 6.5 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 85 | 86 | 1.2 | 90 | 92 | 2.2 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 102 | 103 | 1.0 | 100 | 113 | 12.2 | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 100 | 100 | 0.0 | 99 | 97 | 2.0 | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 107 | 111 | 3.7 | 95 | 94 | 1.1 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 84 | 84 | 0.0 | 91 | 92 | 1.1 | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 102 | 102 | 0.0 | 110 | 106 | 3.7 | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 118 | 119 | 0.8 | 92 | 91 | 1.1 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 93 | 96 | 3.2 | 98 | 100 | 2.0 | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 113 | 114 | 0.9 | 105 | 109 | 3.7 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 111 | 112 | 0.9 | 105 | 108 | 2.8 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 104 | 105 | 1.0 | 111 | 108 | 2.7 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 90 | 91 | 1.1 | 98 | 99 | 1.0 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 114 | 113 | 0.9 | 100 | 99 | 1.0 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 87 | 88 | 1.1 | 95 | 95 | 0.0 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 101 | 102 | 1.0 | 96 | 101 | 5.1 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 99 | 101 | 2.0 | 109 | 107 | 1.9 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 79 | 76 | 3.9 | 51 | 53 | 3.8 | 70 - 130 | 30 | m |
| 2-Isopropyltoluene | ND | 101 | 103 | 2.0 | 112 | 114 | 1.8 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 92 | 95 | 3.2 | 106 | 106 | 0.0 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 105 | 108 | 2.8 | 89 | 94 | 5.5 | 70 - 130 | 30 | |
| Acetone | ND | 62 | 63 | 1.6 | <40 | <40 | NC | 70 - 130 | 30 | l,m |
| Acrylonitrile | ND | 98 | 101 | 3.0 | 75 | 85 | 12.5 | 70 - 130 | 30 | |
| Benzene | ND | 107 | 107 | 0.0 | 106 | 109 | 2.8 | 70 - 130 | 30 | |
| Bromobenzene | ND | 104 | 106 | 1.9 | 102 | 102 | 0.0 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 97 | 98 | 1.0 | 78 | 85 | 8.6 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 107 | 111 | 3.7 | 98 | 102 | 4.0 | 70 - 130 | 30 | |
| Bromoform | ND | 102 | 105 | 2.9 | 84 | 85 | 1.2 | 70 - 130 | 30 | |
| Bromomethane | ND | 76 | 71 | 6.8 | 54 | 50 | 7.7 | 70 - 130 | 30 | m |
| Carbon Disulfide | ND | 86 | 87 | 1.2 | 82 | 84 | 2.4 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 103 | 109 | 5.7 | 99 | 112 | 12.3 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 99 | 99 | 0.0 | 102 | 104 | 1.9 | 70 - 130 | 30 | |
| Chloroethane | ND | 85 | 84 | 1.2 | <40 | <40 | NC | 70 - 130 | 30 | m |
| Chloroform | ND | 103 | 104 | 1.0 | 86 | 98 | 13.0 | 70 - 130 | 30 | |
| Chloromethane | ND | 80 | 82 | 2.5 | 78 | 78 | 0.0 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 103 | 101 | 2.0 | 91 | 96 | 5.3 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| cis-1,3-Dichloropropene | ND | 108 | 109 | 0.9 | 97 | 101 | 4.0 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 108 | 108 | 0.0 | 92 | 92 | 0.0 | 70 - 130 | 30 | |
| Dibromoethane | ND | 109 | 110 | 0.9 | 92 | 98 | 6.3 | 70 - 130 | 30 | |
| Dibromomethane | ND | 106 | 109 | 2.8 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 76 | 78 | 2.6 | 81 | 87 | 7.1 | 70 - 130 | 30 | |
| Ethylbenzene | ND | 102 | 103 | 1.0 | 108 | 110 | 1.8 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 98 | 95 | 3.1 | 119 | 123 | 3.3 | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 105 | 107 | 1.9 | 115 | 116 | 0.9 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 100 | 99 | 1.0 | 107 | 108 | 0.9 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 82 | 79 | 3.7 | 42 | 53 | 23.2 | 70 - 130 | 30 | m |
| Methyl t-butyl ether (MTBE) | ND | 95 | 97 | 2.1 | 88 | 89 | 1.1 | 70 - 130 | 30 | |
| Methylene chloride | ND | 88 | 87 | 1.1 | 79 | 83 | 4.9 | 70 - 130 | 30 | |
| Naphthalene | ND | 115 | 115 | 0.0 | 103 | 101 | 2.0 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 95 | 94 | 1.1 | 107 | 108 | 0.9 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 94 | 94 | 0.0 | 111 | 110 | 0.9 | 70 - 130 | 30 | |
| o-Xylene | ND | 101 | 101 | 0.0 | 107 | 107 | 0.0 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 104 | 105 | 1.0 | 113 | 113 | 0.0 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 100 | 101 | 1.0 | 114 | 115 | 0.9 | 70 - 130 | 30 | |
| Styrene | ND | 99 | 99 | 0.0 | 103 | 102 | 1.0 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 106 | 108 | 1.9 | 117 | 118 | 0.9 | 70 - 130 | 30 | |
| Tetrachloroethene | ND | 100 | 99 | 1.0 | 88 | 75 | 16.0 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 113 | 113 | 0.0 | 79 | 89 | 11.9 | 70 - 130 | 30 | |
| Toluene | ND | 103 | 105 | 1.9 | 106 | 113 | 6.4 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 87 | 87 | 0.0 | 82 | 87 | 5.9 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 108 | 109 | 0.9 | 93 | 94 | 1.1 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 101 | 102 | 1.0 | 81 | 83 | 2.4 | 70 - 130 | 30 | |
| Trichloroethene | ND | 105 | 107 | 1.9 | NC | NC | NC | 70 - 130 | 30 | |
| Trichlorofluoromethane | ND | 97 | 98 | 1.0 | 69 | 67 | 2.9 | 70 - 130 | 30 | m |
| Trichlorotrifluoroethane | ND | 86 | 87 | 1.2 | 92 | 95 | 3.2 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 85 | 87 | 2.3 | 78 | 84 | 7.4 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 100 | 98 | 99 | 1.0 | 97 | 98 | 1.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 100 | 103 | 104 | 1.0 | 103 | 105 | 1.9 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 94 | 103 | 102 | 1.0 | 88 | 95 | 7.7 | 70 - 130 | 30 | |
| % Toluene-d8 | 102 | 100 | 101 | 1.0 | 102 | 106 | 3.8 | 70 - 130 | 30 | |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190517, QC Sample No: BB09020 (BB07150 (55X) )

## Volatiles - Soil

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 105 | 111 | 5.6 | 103 | 113 | 9.3 | 70 - 130 | 30 |
| 1,1,1-Trichloroethane | ND | 105 | 110 | 4.7 | 114 | 120 | 5.1 | 70 - 130 | 30 |
| 1,1,2,2-Tetrachloroethane | ND | 102 | 111 | 8.5 | 99 | 108 | 8.7 | 70 - 130 | 30 |
| 1,1,2-Trichloroethane | ND | 105 | 113 | 7.3 | 106 | 116 | 9.0 | 70 - 130 | 30 |
| 1,1-Dichloroethane | ND | 103 | 106 | 2.9 | 109 | 111 | 1.8 | 70 - 130 | 30 |
| 1,1-Dichloroethene | ND | 100 | 99 | 1.0 | 106 | 101 | 4.8 | 70 - 130 | 30 |
| 1,1-Dichloropropene | ND | 103 | 108 | 4.7 | 118 | 125 | 5.8 | 70 - 130 | 30 |
| 1,2,3-Trichlorobenzene | ND | 115 | 117 | 1.7 | 95 | 111 | 15.5 | 70 - 130 | 30 |
| 1,2,3-Trichloropropane | ND | 104 | 113 | 8.3 | 100 | 111 | 10.4 | 70 - 130 | 30 |
| 1,2,4-Trichlorobenzene | ND | 105 | 102 | 2.9 | 92 | 102 | 10.3 | 70 - 130 | 30 |
| 1,2,4-Trimethylbenzene | ND | 107 | 108 | 0.9 | 106 | 113 | 6.4 | 70 - 130 | 30 |
| 1,2-Dibromo-3-chloropropane | ND | 111 | 126 | 12.7 | 103 | 117 | 12.7 | 70 - 130 | 30 |
| 1,2-Dichlorobenzene | ND | 101 | 106 | 4.8 | 97 | 109 | 11.7 | 70 - 130 | 30 |
| 1,2-Dichloroethane | ND | 101 | 108 | 6.7 | 103 | 112 | 8.4 | 70 - 130 | 30 |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,2-Dichloropropane | ND | 105 | 111 | 5.6 | 107 | 116 | 8.1 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 108 | 110 | 1.8 | 106 | 115 | 8.1 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 101 | 104 | 2.9 | 98 | 109 | 10.6 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 104 | 111 | 6.5 | 105 | 114 | 8.2 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 99 | 102 | 3.0 | 96 | 107 | 10.8 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 107 | 110 | 2.8 | 107 | 112 | 4.6 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 102 | 107 | 4.8 | 104 | 113 | 8.3 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 92 | 97 | 5.3 | 59 | 73 | 21.2 | 70 - 130 | 30 | m |
| 2-Isopropyltoluene | ND | 105 | 105 | 0.0 | 109 | 117 | 7.1 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 100 | 101 | 1.0 | 101 | 111 | 9.4 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 101 | 114 | 12.1 | 97 | 107 | 9.8 | 70 - 130 | 30 | |
| Acetone | ND | 87 | 86 | 1.2 | <40 | 51 | NC | 70 - 130 | 30 | m |
| Acrylonitrile | ND | 100 | 110 | 9.5 | 112 | 121 | 7.7 | 70 - 130 | 30 | |
| Benzene | ND | 103 | 108 | 4.7 | 109 | 116 | 6.2 | 70 - 130 | 30 | |
| Bromobenzene | ND | 105 | 109 | 3.7 | 100 | 109 | 8.6 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 102 | 116 | 12.8 | 108 | 116 | 7.1 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 104 | 112 | 7.4 | 105 | 112 | 6.5 | 70 - 130 | 30 | |
| Bromoform | ND | 112 | 119 | 6.1 | 104 | 111 | 6.5 | 70 - 130 | 30 | |
| Bromomethane | ND | 95 | 103 | 8.1 | 75 | 80 | 6.5 | 70 - 130 | 30 | |
| Carbon Disulfide | ND | 108 | 106 | 1.9 | 103 | 99 | 4.0 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 104 | 106 | 1.9 | 114 | 116 | 1.7 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 100 | 106 | 5.8 | 103 | 112 | 8.4 | 70 - 130 | 30 | |
| Chloroethane | ND | 100 | 103 | 3.0 | 45 | 43 | 4.5 | 70 - 130 | 30 | m |
| Chloroform | ND | 105 | 111 | 5.6 | 106 | 115 | 8.1 | 70 - 130 | 30 | |
| Chloromethane | ND | 99 | 105 | 5.9 | 108 | 125 | 14.6 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 105 | 113 | 7.3 | 110 | 122 | 10.3 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 105 | 111 | 5.6 | 103 | 110 | 6.6 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 107 | 115 | 7.2 | 106 | 113 | 6.4 | 70 - 130 | 30 | |
| Dibromoethane | ND | 107 | 115 | 7.2 | 112 | 121 | 7.7 | 70 - 130 | 30 | |
| Dibromomethane | ND | 104 | 112 | 7.4 | 105 | 117 | 10.8 | 70 - 130 | 30 | |
| Dichlorodifluoromethane | ND | 93 | 94 | 1.1 | 126 | 142 | 11.9 | 70 - 130 | 30 | m |
| Ethylbenzene | ND | 104 | 108 | 3.8 | 109 | 117 | 7.1 | 70 - 130 | 30 | |
| Hexachlorobutadiene | ND | 102 | 104 | 1.9 | 109 | 119 | 8.8 | 70 - 130 | 30 | |
| Isopropylbenzene | ND | 105 | 108 | 2.8 | 109 | 119 | 8.8 | 70 - 130 | 30 | |
| m&p-Xylene | ND | 104 | 108 | 3.8 | 108 | 116 | 7.1 | 70 - 130 | 30 | |
| Methyl ethyl ketone | ND | 89 | 93 | 4.4 | 53 | 71 | 29.0 | 70 - 130 | 30 | m |
| Methyl t-butyl ether (MTBE) | ND | 99 | 108 | 8.7 | 103 | 112 | 8.4 | 70 - 130 | 30 | |
| Methylene chloride | ND | 104 | 102 | 1.9 | 95 | 92 | 3.2 | 70 - 130 | 30 | |
| Naphthalene | ND | 123 | 123 | 0.0 | 105 | 121 | 14.2 | 70 - 130 | 30 | |
| n-Butylbenzene | ND | 110 | 103 | 6.6 | 107 | 110 | 2.8 | 70 - 130 | 30 | |
| n-Propylbenzene | ND | 99 | 101 | 2.0 | 109 | 116 | 6.2 | 70 - 130 | 30 | |
| o-Xylene | ND | 106 | 111 | 4.6 | 110 | 118 | 7.0 | 70 - 130 | 30 | |
| p-Isopropyltoluene | ND | 111 | 111 | 0.0 | 109 | 116 | 6.2 | 70 - 130 | 30 | |
| sec-Butylbenzene | ND | 104 | 105 | 1.0 | 112 | 119 | 6.1 | 70 - 130 | 30 | |
| Styrene | ND | 106 | 112 | 5.5 | 106 | 116 | 9.0 | 70 - 130 | 30 | |
| tert-Butylbenzene | ND | 104 | 107 | 2.8 | 111 | 119 | 7.0 | 70 - 130 | 30 | |
| Tetrahydrofuran (THF) | ND | 103 | 116 | 11.9 | 109 | 117 | 7.1 | 70 - 130 | 30 | |
| Toluene | ND | 102 | 108 | 5.7 | 107 | 116 | 8.1 | 70 - 130 | 30 | |
| trans-1,2-Dichloroethene | ND | 105 | 98 | 6.9 | 100 | 94 | 6.2 | 70 - 130 | 30 | |
| trans-1,3-Dichloropropene | ND | 106 | 112 | 5.5 | 101 | 107 | 5.8 | 70 - 130 | 30 | |
| trans-1,4-dichloro-2-butene | ND | 112 | 115 | 2.6 | 95 | 99 | 4.1 | 70 - 130 | 30 | |
| Trichloroethene | ND | 102 | 107 | 4.8 | 111 | 121 | 8.6 | 70 - 130 | 30 | |
| Trichlorofluoromethane | ND | 116 | 125 | 7.5 | 48 | 51 | 6.1 | 70 - 130 | 30 | m |

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits | |
|---|---|---|---|---|---|---|---|---|---|---|
| Trichlorotrifluoroethane | ND | 105 | 104 | 1.0 | 110 | 108 | 1.8 | 70 - 130 | 30 | |
| Vinyl chloride | ND | 98 | 104 | 5.9 | 107 | 119 | 10.6 | 70 - 130 | 30 | |
| % 1,2-dichlorobenzene-d4 | 102 | 99 | 101 | 2.0 | 100 | 100 | 0.0 | 70 - 130 | 30 | |
| % Bromofluorobenzene | 94 | 99 | 101 | 2.0 | 103 | 103 | 0.0 | 70 - 130 | 30 | |
| % Dibromofluoromethane | 102 | 105 | 102 | 2.9 | 101 | 100 | 1.0 | 70 - 130 | 30 | |
| % Toluene-d8 | 99 | 99 | 98 | 1.0 | 99 | 100 | 1.0 | 70 - 130 | 30 | |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190500, QC Sample No: BB09133 (BB07142, BB07143)

## Volatiles - Soil

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 115 | 110 | 4.4 | 110 | 107 | 2.8 | 70 - 130 | 30 | |
| 1,1,1-Trichloroethane | ND | 104 | 101 | 2.9 | 116 | 107 | 8.1 | 70 - 130 | 30 | |
| 1,1,2,2-Tetrachloroethane | ND | 100 | 98 | 2.0 | 93 | 94 | 1.1 | 70 - 130 | 30 | |
| 1,1,2-Trichloroethane | ND | 106 | 104 | 1.9 | 105 | 105 | 0.0 | 70 - 130 | 30 | |
| 1,1-Dichloroethane | ND | 102 | 98 | 4.0 | 100 | 96 | 4.1 | 70 - 130 | 30 | |
| 1,1-Dichloroethene | ND | 95 | 93 | 2.1 | 95 | 94 | 1.1 | 70 - 130 | 30 | |
| 1,1-Dichloropropene | ND | 115 | 111 | 3.5 | 113 | 115 | 1.8 | 70 - 130 | 30 | |
| 1,2,3-Trichlorobenzene | ND | 125 | 120 | 4.1 | 96 | 104 | 8.0 | 70 - 130 | 30 | |
| 1,2,3-Trichloropropane | ND | 107 | 100 | 6.8 | 100 | 102 | 2.0 | 70 - 130 | 30 | |
| 1,2,4-Trichlorobenzene | ND | 115 | 114 | 0.9 | 84 | 96 | 13.3 | 70 - 130 | 30 | |
| 1,2,4-Trimethylbenzene | ND | 120 | 113 | 6.0 | 107 | 109 | 1.9 | 70 - 130 | 30 | |
| 1,2-Dibromo-3-chloropropane | ND | 109 | 110 | 0.9 | 97 | 98 | 1.0 | 70 - 130 | 30 | |
| 1,2-Dichlorobenzene | ND | 111 | 108 | 2.7 | 98 | 101 | 3.0 | 70 - 130 | 30 | |
| 1,2-Dichloroethane | ND | 107 | 104 | 2.8 | 113 | 110 | 2.7 | 70 - 130 | 30 | |
| 1,2-Dichloropropane | ND | 109 | 108 | 0.9 | 115 | 113 | 1.8 | 70 - 130 | 30 | |
| 1,3,5-Trimethylbenzene | ND | 122 | 114 | 6.8 | 111 | 112 | 0.9 | 70 - 130 | 30 | |
| 1,3-Dichlorobenzene | ND | 112 | 108 | 3.6 | 97 | 103 | 6.0 | 70 - 130 | 30 | |
| 1,3-Dichloropropane | ND | 110 | 105 | 4.7 | 109 | 105 | 3.7 | 70 - 130 | 30 | |
| 1,4-Dichlorobenzene | ND | 108 | 105 | 2.8 | 93 | 97 | 4.2 | 70 - 130 | 30 | |
| 2,2-Dichloropropane | ND | 105 | 102 | 2.9 | 106 | 104 | 1.9 | 70 - 130 | 30 | |
| 2-Chlorotoluene | ND | 114 | 111 | 2.7 | 107 | 110 | 2.8 | 70 - 130 | 30 | |
| 2-Hexanone | ND | 106 | 101 | 4.8 | 71 | 89 | 22.5 | 70 - 130 | 30 | |
| 2-Isopropyltoluene | ND | 118 | 112 | 5.2 | 112 | 111 | 0.9 | 70 - 130 | 30 | |
| 4-Chlorotoluene | ND | 110 | 108 | 1.8 | 103 | 101 | 2.0 | 70 - 130 | 30 | |
| 4-Methyl-2-pentanone | ND | 107 | 102 | 4.8 | 93 | 99 | 6.3 | 70 - 130 | 30 | |
| Acetone | ND | 85 | 85 | 0.0 | 64 | 77 | 18.4 | 70 - 130 | 30 | m |
| Acrylonitrile | ND | 88 | 87 | 1.1 | 86 | 78 | 9.8 | 70 - 130 | 30 | |
| Benzene | ND | 112 | 108 | 3.6 | 115 | 112 | 2.6 | 70 - 130 | 30 | |
| Bromobenzene | ND | 115 | 112 | 2.6 | 106 | 109 | 2.8 | 70 - 130 | 30 | |
| Bromochloromethane | ND | 89 | 90 | 1.1 | 94 | 93 | 1.1 | 70 - 130 | 30 | |
| Bromodichloromethane | ND | 109 | 109 | 0.0 | 111 | 109 | 1.8 | 70 - 130 | 30 | |
| Bromoform | ND | 107 | 102 | 4.8 | 96 | 97 | 1.0 | 70 - 130 | 30 | |
| Bromomethane | ND | 91 | 86 | 5.6 | 86 | 81 | 6.0 | 70 - 130 | 30 | |
| Carbon Disulfide | ND | 95 | 94 | 1.1 | 88 | 93 | 5.5 | 70 - 130 | 30 | |
| Carbon tetrachloride | ND | 116 | 115 | 0.9 | 115 | 116 | 0.9 | 70 - 130 | 30 | |
| Chlorobenzene | ND | 111 | 109 | 1.8 | 109 | 107 | 1.9 | 70 - 130 | 30 | |
| Chloroethane | ND | 94 | 93 | 1.1 | 94 | 97 | 3.1 | 70 - 130 | 30 | |
| Chloroform | ND | 100 | 98 | 2.0 | 107 | 103 | 3.8 | 70 - 130 | 30 | |
| Chloromethane | ND | 84 | 83 | 1.2 | 83 | 85 | 2.4 | 70 - 130 | 30 | |
| cis-1,2-Dichloroethene | ND | 97 | 94 | 3.1 | 103 | 98 | 5.0 | 70 - 130 | 30 | |
| cis-1,3-Dichloropropene | ND | 112 | 108 | 3.6 | 108 | 107 | 0.9 | 70 - 130 | 30 | |
| Dibromochloromethane | ND | 108 | 103 | 4.7 | 104 | 101 | 2.9 | 70 - 130 | 30 | |

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|
| Dibromoethane | ND | 105 | 106 | 0.9 | 102 | 106 | 3.8 | 70 - 130 | 30 |
| Dibromomethane | ND | 101 | 103 | 2.0 | 103 | 103 | 0.0 | 70 - 130 | 30 |
| Dichlorodifluoromethane | ND | 78 | 78 | 0.0 | 82 | 76 | 7.6 | 70 - 130 | 30 |
| Ethylbenzene | ND | 118 | 113 | 4.3 | 112 | 113 | 0.9 | 70 - 130 | 30 |
| Hexachlorobutadiene | ND | 127 | 121 | 4.8 | 113 | 106 | 6.4 | 70 - 130 | 30 |
| Isopropylbenzene | ND | 118 | 114 | 3.4 | 117 | 116 | 0.9 | 70 - 130 | 30 |
| m&p-Xylene | ND | 117 | 111 | 5.3 | 110 | 111 | 0.9 | 70 - 130 | 30 |
| Methyl ethyl ketone | ND | 87 | 81 | 7.1 | 74 | 79 | 6.5 | 70 - 130 | 30 |
| Methyl t-butyl ether (MTBE) | ND | 97 | 95 | 2.1 | 94 | 88 | 6.6 | 70 - 130 | 30 |
| Methylene chloride | ND | 89 | 89 | 0.0 | 89 | 91 | 2.2 | 70 - 130 | 30 |
| Naphthalene | ND | 120 | 117 | 2.5 | 96 | 106 | 9.9 | 70 - 130 | 30 |
| n-Butylbenzene | ND | 121 | 117 | 3.4 | 100 | 109 | 8.6 | 70 - 130 | 30 |
| n-Propylbenzene | ND | 112 | 107 | 4.6 | 109 | 106 | 2.8 | 70 - 130 | 30 |
| o-Xylene | ND | 115 | 112 | 2.6 | 110 | 111 | 0.9 | 70 - 130 | 30 |
| p-Isopropyltoluene | ND | 129 | 121 | 6.4 | 109 | 117 | 7.1 | 70 - 130 | 30 |
| sec-Butylbenzene | ND | 118 | 113 | 4.3 | 113 | 112 | 0.9 | 70 - 130 | 30 |
| Styrene | ND | 114 | 110 | 3.6 | 104 | 107 | 2.8 | 70 - 130 | 30 |
| tert-Butylbenzene | ND | 120 | 116 | 3.4 | 117 | 116 | 0.9 | 70 - 130 | 30 |
| Tetrachloroethene | ND | 122 | 115 | 5.9 | 113 | 111 | 1.8 | 70 - 130 | 30 |
| Tetrahydrofuran (THF) | ND | 88 | 88 | 0.0 | 96 | 91 | 5.3 | 70 - 130 | 30 |
| Toluene | ND | 114 | 113 | 0.9 | 114 | 116 | 1.7 | 70 - 130 | 30 |
| trans-1,2-Dichloroethene | ND | 93 | 91 | 2.2 | 92 | 93 | 1.1 | 70 - 130 | 30 |
| trans-1,3-Dichloropropene | ND | 111 | 108 | 2.7 | 105 | 106 | 0.9 | 70 - 130 | 30 |
| trans-1,4-dichloro-2-butene | ND | 103 | 100 | 3.0 | 89 | 93 | 4.4 | 70 - 130 | 30 |
| Trichloroethene | ND | 115 | 114 | 0.9 | 119 | 115 | 3.4 | 70 - 130 | 30 |
| Trichlorofluoromethane | ND | 112 | 110 | 1.8 | 95 | 112 | 16.4 | 70 - 130 | 30 |
| Trichlorotrifluoroethane | ND | 98 | 95 | 3.1 | 94 | 99 | 5.2 | 70 - 130 | 30 |
| Vinyl chloride | ND | 92 | 93 | 1.1 | 92 | 94 | 2.2 | 70 - 130 | 30 |
| % 1,2-dichlorobenzene-d4 | 99 | 99 | 99 | 0.0 | 98 | 98 | 0.0 | 70 - 130 | 30 |
| % Bromofluorobenzene | 93 | 103 | 103 | 0.0 | 103 | 104 | 1.0 | 70 - 130 | 30 |
| % Dibromofluoromethane | 83 | 97 | 94 | 3.1 | 101 | 96 | 5.1 | 70 - 130 | 30 |
| % Toluene-d8 | 100 | 101 | 101 | 0.0 | 102 | 103 | 1.0 | 70 - 130 | 30 |

Comment:

A blank MS/MSD was analyzed with this batch.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190590, QC Sample No: BB09146 (BB07150 (252X) )

## Volatiles - Soil

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | 114 | 106 | 7.3 | 128 | 129 | 0.8 | 70 - 130 | 30 |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

QA/QC Batch 190597, QC Sample No: BB09509 (BB07142 (227X) , BB07152 (258X) )

## Volatiles - Soil

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Tetrachloroethene | ND | 98 | 91 | 7.4 | 106 | 99 | 6.8 | 70 - 130 | 30 |

Comment:

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.
m = This parameter is outside laboratory ms/msd specified recovery limits.

# QA/QC Data

SDG I.D.: GBB07142

| Parameter | Blank | LCS % | LCSD % | LCS RPD | MS Rec % | MS Dup Rec % | RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|

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
December 15, 2011

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, I/C, RC

**GBB07142**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB07142 | AMEC | $8260MAR | Chloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 54 | 54 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Vinyl chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 40 | 40 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Bromomethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 200 | 200 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1-Dichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 140 | 140 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Methylene chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 10 | 10 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Chloroform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 120 | 120 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Carbon tetrachloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 20 | 20 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 200 | 200 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 20 | 20 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 200 | 200 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Trichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,2-Dichloropropane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 11 | 11 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 110 | 110 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1,2-Trichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 10 | 10 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | I/C DEC (mg/kg) | ND | 240 | 67 | 67 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 240 | 7 | 7 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 14000 | 1200 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 14000 | 1200 | 1000 | 1000 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | 14000 | 1200 | 12000 | 12000 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 140 | 10 | 10 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 140 | 100 | 100 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 20 | 20 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 240 | 200 | 200 | ug/Kg |
| BB07142 | AMEC | $8260MAR | Bromoform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 240 | 80 | 80 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 140 | 10 | 10 | ug/Kg |
| BB07142 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 140 | 100 | 100 | ug/Kg |
| BB07145 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 1200 | 270 | 100 | 100 | ug/Kg |
| BB07145 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 1200 | 270 | 1000 | 1000 | ug/Kg |
| BB07148 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 15 | 10 | 10 | ug/Kg |
| BB07148 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 15 | 11 | 11 | ug/Kg |
| BB07148 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 15 | 10 | 10 | ug/Kg |
| BB07148 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 15 | 7 | 7 | ug/Kg |

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, I/C, RC

**GBB07142**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB07148 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 1000 | 170 | 100 | 100 | ug/Kg |
| BB07149 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 11 | 10 | 10 | ug/Kg |
| BB07149 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 11 | 10 | 10 | ug/Kg |
| BB07149 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 11 | 7 | 7 | ug/Kg |
| BB07149 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 220 | 11 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Chloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 54 | 54 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Vinyl chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 40 | 40 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Bromomethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 200 | 200 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1-Dichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 140 | 140 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Methylene chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 10 | 10 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Chloroform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 120 | 120 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Carbon tetrachloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 20 | 20 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 200 | 200 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 20 | 20 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 200 | 200 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Trichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 330 | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,2-Dichloropropane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 11 | 11 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 110 | 110 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1,2-Trichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 10 | 10 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | I/C DEC (mg/kg) | ND | 320 | 67 | 67 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 320 | 7 | 7 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 16000 | 1500 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 16000 | 1500 | 1000 | 1000 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | 16000 | 1500 | 12000 | 12000 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 190 | 10 | 10 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 190 | 100 | 100 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 20 | 20 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 320 | 200 | 200 | ug/Kg |
| BB07150 | AMEC | $8260MAR | Bromoform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 320 | 80 | 80 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 190 | 10 | 10 | ug/Kg |
| BB07150 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 190 | 100 | 100 | ug/Kg |

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, I/C, RC

**GBB07142**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB07152 | AMEC | $8260MAR | Chloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 54 | 54 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Vinyl chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 40 | 40 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Bromomethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 200 | 200 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1-Dichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 140 | 140 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Methylene chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 10 | 10 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Chloroform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 120 | 120 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Carbon tetrachloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 20 | 20 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Benzene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 200 | 200 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 20 | 20 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 200 | 200 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Trichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,2-Dichloropropane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 11 | 11 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 110 | 110 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1,2-Trichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 10 | 10 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | I/C DEC (mg/kg) | ND | 270 | 67 | 67 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 270 | 7 | 7 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 18000 | 1300 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | 18000 | 1300 | 1000 | 1000 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | 18000 | 1300 | 12000 | 12000 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 160 | 10 | 10 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 160 | 100 | 100 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 20 | 20 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 270 | 200 | 200 | ug/Kg |
| BB07152 | AMEC | $8260MAR | Bromoform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 270 | 80 | 80 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 160 | 10 | 10 | ug/Kg |
| BB07152 | AMEC | $8260MAR | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 160 | 100 | 100 | ug/Kg |
| BB07153 | AMEC | $8260MAR | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | 110 | 5.1 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Chloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 54 | 54 | ug/Kg |
| BB07154 | AMEC | $8260MER | Vinyl chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 40 | 40 | ug/Kg |
| BB07154 | AMEC | $8260MER | Bromomethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 200 | 200 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1-Dichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 140 | 140 | ug/Kg |
| BB07154 | AMEC | $8260MER | Methylene chloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 500 | 100 | 100 | ug/Kg |

# Sample Criteria Exceedences Report



Requested Criteria: GAM, GBM, I/C, RC

**GBB07142**

| SampNo | LocCode | Acode | Phoenix Analyte | Criteria Units | ST | State Category | Criteria Name | Result | RL | Factored Criteria | Factored RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BB07154 | AMEC | $8260MER | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 500 | 10 | 10 | ug/Kg |
| BB07154 | AMEC | $8260MER | Acrylonitrile | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 500 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Chloroform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 120 | 120 | ug/Kg |
| BB07154 | AMEC | $8260MER | Carbon tetrachloride | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Benzene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BB07154 | AMEC | $8260MER | Benzene | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 200 | 200 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,2-Dichloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 200 | 200 | ug/Kg |
| BB07154 | AMEC | $8260MER | Trichloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,2-Dichloropropane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 11 | 11 | ug/Kg |
| BB07154 | AMEC | $8260MER | Bromodichloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 110 | 110 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1,2-Trichloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 10 | 10 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromoethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromoethane | mg/kg | CT | Volatile Organic Compound | I/C DEC (mg/kg) | ND | 250 | 67 | 67 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromoethane | mg/kg | CT | Volatile Organic Compound | RES DEC (mg/kg) | ND | 250 | 7 | 7 | ug/Kg |
| BB07154 | AMEC | $8260MER | Tetrachloroethene | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 10 | 10 | ug/Kg |
| BB07154 | AMEC | $8260MER | Dibromochloromethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 100 | 100 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 20 | 20 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1,1,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 200 | 200 | ug/Kg |
| BB07154 | AMEC | $8260MER | Bromoform | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 80 | 80 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GA/GAA PMC (mg/kg) | ND | 250 | 10 | 10 | ug/Kg |
| BB07154 | AMEC | $8260MER | 1,1,2,2-Tetrachloroethane | mg/kg | CT | Volatile Organic Compound | GB PMC (mg/kg) | ND | 250 | 100 | 100 | 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:** AMEC

**Project Location:** TRANSLITE **Project Number:**

**Laboratory Sample ID(s):** BB07142, BB07143, BB07144, BB07145, BB07146, BB07147, BB07148, BB07149, BB07150, BB07151, BB07152, BB07153, BB07154, BB07155

**Sampling Date(s):** 12/2/2011

**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 Protocol documents? | ☑ 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 Section: 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 matrix spikes and laboratory duplicates 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: Thursday, December 15, 2011

Printed Name: Greg Lawrence

Position: Assistant Lab Director

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

# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

Method 8260
For several samples due to the concentration of a target compound not all of the requested criteria could be achieved.

## VOA Narration

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

**In various Batches the LCS and/or the LCSD recovery for Acetone, Bromomethane, MEK is below the lower range, but within the method criteria. A slight low bias for these compounds is possible.**

**Instrument:** Chem03 12/07/11-2 (BB07149, BB07153)

Initial Calibration Verification (RCPS_1207):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: None.

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%: Tetrahydrofuran (THF)

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/7/2011

**Instrument:** Chem03 12/07/11-3 (BB07146)

Initial Calibration Verification (RCPS_1208):
>90% of target compounds met method criteria.
The following compounds had %RSDs >20%: None.

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** Johanna Harrington
**Position:** Chemist
**Date:** 12/7/2011

**Instrument:** Chem03 12/08/11-1 (BB07150)

Initial Calibration Verification (RCPS_1208A):
>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%: Tetrahydrofuran (THF)

**Environmental Laboratories, Inc.**
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**Tel. (860) 645-1102 Fax (860) 645-0823**

# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

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**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/8/2011

**Instrument:** Chem03 12/08/11-4 (BB07142, BB07152)

Initial Calibration Verification (RCPS_1208A):
>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%: Acetone, Methyl Ethyl Ketone, 2-Hexanone, 1,2,4-Trichlorobenzene

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/8/2011

**Instrument:** Chem03 12/12/11-1 (BB07150)

Initial Calibration Verification (RCPS_1208A):
>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%: Methyl Ethyl Ketone, 2-Hexanone

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/12/2011

**Instrument:** Chem11 12/07/11-2 (BB07145, BB07147, BB07148)

Initial Calibration Verification (CHEM11/RCPS_1123):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Trans-1,3-dichloropropene, Tetrachloroethene, Bromoform, Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane

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%: Tetrahydrofuran (THF)

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/7/2011

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

# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

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**Instrument:** Chem11 12/08/11-1 (BB07144, BB07145, BB07148, BB07154, BB07155)

Initial Calibration Verification (CHEM11/RCPS_1123):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Trans-1,3-dichloropropene, Tetrachloroethene, Bromoform, Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane

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%: None.

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/8/2011

**Instrument:** Chem11 12/08/11-2 (BB07151)

Initial Calibration Verification (CHEM11/RCPS_1123):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Trans-1,3-dichloropropene, Tetrachloroethene, Bromoform, Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane

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, Isopropylbenzene, tert-Butylbenzene

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/8/2011

**Instrument:** Chem11 12/09/11-1 (BB07142, BB07143)

Initial Calibration Verification (CHEM11/RCPS_1123):
>90% of target compounds met criteria.
The following compounds had %RSDs >20%: Acrolein, Trans-1,3-dichloropropene, Tetrachloroethene, Bromoform, Trans-1,4-dichloro-2-butene, 1,2-dibromo-3-chloropropane

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%: None.

**Printed Name** Johanna Harrington
**Position:** Chemist
**Date:** 12/9/2011

**QC Comments:** QC Batch 90406 12/09/11 (BB07149, BB07153)

The MS/MSD are not reported for this batch.

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# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

**QC Comments:** QC Batch 90412 12/09/11 (BB07144, BB07145, BB07148, BB07154, BB07155)

The MS/MSD are not reported for this batch.

**QC Comments:** QC Batch 90495 12/12/11 (BB07151)

A blank MS/MSD was analyzed with this batch.

**QC Comments:** QC Batch 90500 12/12/11 (BB07142, BB07143)

A blank MS/MSD was analyzed with this batch.

**Environmental Laboratories, Inc.**
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# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

**QC (Batch Specific)**

---------- Sample No: BB06832 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(57%), Methyl ethyl ketone(68%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(65%)

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

---------- Sample No: BB07083 ----------

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

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(68%)

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

---------- Sample No: BB07180 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(69%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(64%)

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

---------- Sample No: BB07499 ----------

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

All LCSD recoveries were within 70 - 130 with the following exceptions: Bromomethane(67%)

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

---------- Sample No: BB07942 ----------

All LCS recoveries were within 70 - 130 with the following exceptions: Acetone(62%)

All LCSD recoveries were within 70 - 130 with the following exceptions: Acetone(63%)

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

---------- Sample No: BB09020 ----------

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.

**Environmental Laboratories, Inc.**
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**Tel. (860) 645-1102 Fax (860) 645-0823**

# RCP Certification Report

**December 15, 2011**

**SDG I.D.: GBB07142**

---------- Sample No: BB09133 ----------

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.

---------- Sample No: BB09146 ----------

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.

---------- Sample No: BB09509 ----------

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.

Additional 8260 criteria: 10% of compounds can be outside of acceptance criteria as long as recovery is 40-160%.

# CHAIN OF CUSTODY RECORD

Temp 6°C Pg 1 of 1

**PHOENIX** Environmental Laboratories, Inc.

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

**Data Delivery:**
☐ Fax #:
☒ Email: Jon.yeich@amec.com

Customer: Jon Yeich - AMEC
Address: 1090 Elm St Suite 201
Rocky Hill, CT 06067

Project: Translite
Report to: Jon Yeich
Invoice to: Accounts Payable

Project P.O: 201105365
Phone #: 860-529-7191
Fax #:

**Client Sample - Information - Identification**

Sampler's Signature: [signature] Date: 12.2.11

**Matrix Code:**
**DW**=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
**SE**=Sediment **SL**=Sludge **S**=Soil/Solid **W**=Wipe **O**=Other

Analysis Request

| PHOENIX USE ONLY SAMPLE # | Customer Sample Identification | Sample Matrix | Date Sampled | Time Sampled | VOCs - 5035 | Soil VOA Vials [1] methanol [2] H2O, % Solids | 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 07142 | SB-1802 | S | 12.2.11 | 1150 | X | X | | | | | | | | | |
| 07143 | SB-1824 | ↓ | ↓ | 1155 | ↓ | ↓ | | | | | | | | | |
| 07144 | SB-1902 | ↓ | ↓ | 1240 | ↓ | ↓ | | | | | | | | | |
| 07145 | SB-1924 | ↓ | ↓ | 1245 | ↓ | ↓ | | | | | | | | | |
| 07146 | SB-2002 | ↓ | ↓ | 1315 | ↓ | ↓ | | | | | | | | | |
| 07147 | SB-2024 | ↓ | ↓ | 1320 | ↓ | ↓ | | | | | | | | | |
| 07148 | SB-2102 | ↓ | ↓ | 0955 | ↓ | ↓ | | | | | | | | | |
| 07149 | SB-2124 | ↓ | ↓ | 1005 | ↓ | ↓ | | | | | | | | | |
| 07150 | SB-2202 | ↓ | ↓ | 1020 | ↓ | ↓ | | | | | | | | | |
| 07151 | SB-2224 | ↓ | ↓ | 1025 | ↓ | ↓ | | | | | | | | | |
| 07152 | SB-2302 | ↓ | ↓ | 1050 | ↓ | ↓ | | | | | | | | | |
| 07153 | SB-2324 | ↓ | ↓ | 1055 | ↓ | ↓ | | | | | | | | | |

| Relinquished by: | Accepted by: | Date: | Time: |
|---|---|---|---|
| [signature] | Ty Wagner | 12/5/11 | 1000 |
| Ty Wagner | Brittany Harbee | 12/5/11 | 16:44 |

**Comments, Special Requirements or Regulations:**

Trip Blank Also Included, provided by lab
DI Vials frozen 12.2.11
07154
07155

**Turnaround:**
☐ 1 Day*
☐ 2 Days*
☐ 3 Days*
☒ Standard
☐ Other
* SURCHARGE APPLIES

**RI**
☐ Direct Exposure (Residential)
☐ GW
☐ Other

**CT**
☒ RCP Cert
☐ GW Protection
☐ SW Protection
☒ GA Mobility
☒ GB Mobility
☒ Residential DEC
☒ I/C DEC
☐ Other

**MA**
☐ MCP Certification
☐ GW-1
☐ GW-2
☐ GW-3
☐ S-1
☐ S-2
☐ S-3
☐ MWRA eSMART
☐ Other

**State where samples were collected:** CT

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

**Data Package**
☐ Tier II Checklist
☐ Full Data Package*
☐ Phoenix Std Report
☒ Other RCP Report

* SURCHARGE APPLIES