The EC Group

Environmental Consulting
Hydrogeologic Services

SUBSURFACE HYDRAULIC LIFT REMEDIAL INVESTIGATION UPDATE REPORT

Facility:

Pep Boys Store #150
9415 East Independence Boulevard
Matthews, Mecklenburg County, North Carolina
NCD0002801
N35^{0}17'17.89"/W80^{0}42'55.07"

Prepared for:

The Pep Boys – Manny, Moe & Jack
3111 West Allegheny Avenue
Philadelphia, Pennsylvania 19132
Attn: Ms. Tracy Hasson
Director – Environmental & DOT Hazmat Compliance

January 13, 2012

Mr. Phillip L. Rahn, P.G.
REC RSM # 94

Edward G. Keebler
Director

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Subsurface Hydraulic Lift Remedial Investigation Update Report

Pep Boys Store #150
9415 East Independence Boulevard
Matthews, Mecklenburg County, North Carolina

1. SITE BACKGROUND INFORMATION/INTRODUCTION

The EC Group, LLC (ECG) was initially engaged by The Pep Boys – Manny, Moe & Jack (Pep Boys) to supervise the removal of a malfunctioning subsurface hydraulic lift unit at Pep Boys Store #150. The store is located at 9415 East Independence Boulevard in Matthews, Mecklenburg County, North Carolina. Figure 1 is a portion of the USGS map quadrangle Matthews, North Carolina indicating the location the subject site. Figure 2 is a site map depicting the major features of the subject site. The subsurface hydraulic lift was located in Service Bay 2 (Bay 2) and was a side-by-side auto lift unit. The initial scope of work was completed in August/September 1998 and included the removal of the lift as well as the performance of a soil investigation and corrective action activities (i.e. removal action) to address the release of hydraulic oil and associated affected soils.

A 24-Hour Release and UST Leak Reporting Form was submitted to the North Carolina Department of Environment and Natural Resources (NCDENR), Mooresville Regional Office. After the lift removal, corrective action was implemented and a site investigation was performed to document the effectiveness of the remedial actions. The site investigation consisted of the collection and analysis of six post removal soil samples from the excavation. The lift removal and site investigation activities are documented in the ECG report entitled *SUBSURFACE HYDRAULIC LIFT REMOVAL/CORRECTIVE ACTION - 20 DAY REPORT* dated January 9, 2007, submitted by ECG to NCDENR. On April 18, 2007, NCDENR Division of Waste Management, Underground Storage Tank (UST) Section issued a Letter of No Further Action for the petroleum (hydraulic oil) release from the hydraulic lift system.

On September 18, 2008, The Pep Boys received a letter from the NCDENR, Division of Waste Management, Inactive Hazardous Sites Branch (IHSB) indicating that the UST Section had notified them of detected concentrations of 1,1,2,2-tetrachloroethane (1,1,2,2-TCA) in three of the six post lift removal soil samples at a depth of 8.0' below ground surface (bgs). In response to this notification, the IHSB requested the submittal of a Site Cleanup Checklist/Questionnaire for the site. The questionnaire was submitted on behalf of Pep Boys by ECG and the IHSB determined that the site should be addressed through the Registered Environmental Consultant (REC) Program (Docket #09-SF-287). Subsequently, Pep Boys applied for entry into the REC Program, with the Administrative Agreement to cleanup the site. ECG is utilizing Waters Edge Environmental as a REC certified consulting firm and Mr. Phillip Rahn, P.G. as a certified REC Registered Site Manager (RSM). A RI Work Plan (Work Plan) dated July 29, 2010 was developed to provide a site description, site history, proposed methods of investigation and schedules to complete these work tasks.

On October 12, 2010, ECG remobilized to the site to implement the aforementioned Work Plan as detailed in the *SUBSURFACE HYDRAULIC LIFT REMEDIAL INVESTIGATION REPORT,* dated November 16, 2010 (RIR). The scope of work consisted of the installation of six soil borings and the collection six soil samples at a depth of 10.0' bgs that were submitted to the laboratory for analysis of Base Neutral Acids (BNA), Volatile Organic Compound (VOC), total chromium, hexavalent chromium and total lead. Additionally, one soil boring and one associated background soil sample was collected was submitted for analysis of total chromium and total lead. The purpose of these samples was to provide for vertical delineation.

The laboratory data indicated that VOC, BNA, total chromium and total lead were not detected at concentrations in excess of the IHSB Health Based Preliminary Soil Remediation Goals (HBPSRG) or the IHSB Protection of Groundwater Preliminary Soil Remediation Goals (PGWPSRG) in any of the RI soil samples. Based on the aforementioned analysis utilized for vertical delineation, it was determined that the amount of affected soil was limited and as such, soil removal did not appear feasible. Therefore, it was determined to reassess soils at a depth of 8.0' bgs approximately

one year from the date of the report to determine whether Contaminants of Concern (COCs) are still present in the area of the former hydraulic lift.

As such, this document (RIR-Update) has been generated by ECG to determine the presence of 1,1,2,2 TCA and other associated/potential VOC compounds, if any. The activities associated with RIR-Update followed the soil sampling procedures detailed in the aforementioned Work Plan.

2. TECHNICAL OVERVIEW

The purpose of the RIR-Update was to confirm the presence, if any, of the contaminants of concern (COCs). Field sampling was conducted by Joseph Nicosia of ECG. GeoProbe® services were provided by Saedacco, Inc. of Fort Mill, South Carolina. Soil samples collected as a part of the RIR-Update were submitted to TestAmerica Analytical Testing Corporation (TestAmerica)[1] of Nashville, Tennessee for analysis.

2.1 Sampling Information

Soil samples were collected from in-situ soils utilizing a GeoProbe® direct push sampling unit with 4-foot macro-core sleeves. Soil samples for laboratory analysis were collected directly from the macro-cores utilizing dedicated, pre-cleaned stainless steel scoops and dedicated coring devices and immediately transferred into sample containers. Soil sample containers were laboratory provided and consisted of 250-milliliter clear wide mouth jars and 40-milliliter clear vials with Teflon®-lined lids containing methanol or sodium bisulfate preservatives. Equipment used during the installation of the soil borings (e.g., hand auger or Geoprobe) was decontaminated prior to soil boring installation activities, between soil boring installations, and prior to leaving the site. Soil cuttings from the boreholes were containerized on-site in 55-gallon drums for future offsite disposal in compliance with State and Federal regulations as investigation-derived wastes.

[1] NCDENR Certification #387

2.2 Analytical Approach

Soil samples collected during the RIR-Update were submitted to TestAmerica for the following analysis:

- Volatile Organic Compounds (VOC) plus a 10 compound forward library search via USEPA Method 8260B

The laboratory report from TestAmerica is contained in Appendix A.

2.3 Quality Assurance/Quality Control

The Quality Assurance (QA) Program for soil sampling consisted of collecting one duplicate sample per field day and was conducted according to the procedures described in Section A.6. of the REC guidance document.

2.4 Sample Handling

Soil samples for laboratory analysis were immediately transferred into laboratory provided sample containers and placed in an ice packed cooler to await shipment to the laboratory. All soil samples were shipped directly to the laboratory in ice packed coolers under Chain of Custody documentation.

2.5 Laboratory Non-Conformance Summary

The 8260B Tentatively Identified Compounds; Cyclotetrasiloxane, octamethyl-, Cyclotrisiloxane, hexamethyl- and p-Trimethylsilyloxyphenyl-(trimeth) were detected in Blank 1 (BLK1) for QC Batch 11L4977. Since these are being reported as Tentatively Identified Compounds, the data was accepted with no further analysis.

The 8260B Blank Spike 1 (BS1) for QC Batch 11L4977 was biased high for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene,1,3-Dichlorobenzene, and 1,4-Dichlorobenzene. However, as these analytes were not detected at the reporting limit in the associated samples, the data was accepted with no further analysis.

The 8260B Blank Spike Duplicate 1 (BSD1) for QC Batch 11L4977 was biased high for 1,2,3-Trichlorobenzene,1,2,4-Trichlorobenzene. However, as these analytes were

not detected at the reporting limit in the associated samples, the data was accepted with no further analysis.

The 8260B Matrix Spike 1 (MS1) and Matrix Spike Duplicate 1 (MSD1) for QC Batch 11L4977 were biased high for Methylene Chloride. The Blank Spike for this analyte was within acceptable range; therefore, the data was accepted with no further analysis.

The above QA/QC Non-Conformance issues do not invalidate the laboratory analytical data, as indicated by the laboratory.

3. REMEDIAL INVESTIGATION UPDATE SUMMARY

The RIR conducted after the removal of the hydraulic lift delineated 1,1,2,2-TCA vertically to be within approximately 10.0' below surface grade (bgs) and horizontally within approximately 5.0' feet from the excavation. In order to determine soil quality between the former release depth, at 8.0' bgs, and the vertical delineation depth, at 10.0' bgs, ECG proposed to collect soil samples from the highest potential locations. As such. the RIR-Update proposed to reassess soils by installing a total of three soil borings to a total depth of 12.0' bgs in the former locations of soil samples SO-1, SO-3 and SO-6 and collect associated soil samples at 8.0 to 8.5' bgs.

3.1 Remedial Investigation Update Activities

A total of three RI soil borings were installed within Bay No. 2 at the subject site (see Figure 3). Two of the RI soil borings were installed in the location of post removal soil samples SO-3 and SO-6. One RI soil boring was installed approximately 4.0' east of post removal soil sample SO-1 as previously described. Soil borings were advanced to a total depth of approximately 10.5' to 12.0' bgs, at which point refusal was encountered. Soil was sampled continuously from surface grade to borehole termination in all the soil borings. Soil samples were screened in the field for volatile organic vapors utilizing a photo ionization detector (PID). No PID response was detected in the soil sample boreholes. One soil sample from each soil boring was collected at the 8.0 to 8.5 feet bgs depth interval, equal to the depth of the initial post lift removal soil samples that were reported to contain 1,1,2,2-TCA, and submitted for analysis for VOCs plus tentatively identified compounds (TICs). Additionally, one duplicated soil sample was collected from 8.0 to 8.5 feet bgs for QA/QC purposes (SO-7 Dup). Analytical results are summarized in Table 1 and documented in Appendix A.

3.2 Site Topography and Geology

The site is essentially level with a slight (10') grade increase along the northern property boundary. The topography of the area is best described as gently and

gradually undulating. According to the USGS topographic map, the Subject Sites's topographic elevation is approximately 688' above mean sea level (msl). There are no surface water bodies on the subject property and the nearest surface water body is an unnamed creek located approximately 500 feet southwest of the site.

According to the Soil Survey of Mecklenburg County, North Carolina, the soils of the area are referred to as Enon sandy loam soil series. Enon series soils consist of very deep, well drained and mildly permeable soils on ridges and side slopes of the Piedmont Uplands. Depth to groundwater is generally described as being greater than 5 feet and depth to bedrock is described as being greater than 5 feet in depth.

There are no predominant geological surface features, such as rock outcroppings, on the subject site. The subject site is located within the Piedmont Physiographic province and is underlain by metamorphosed granitic rocks. Soils of the Piedmont are primarily Ultisols and Alfisols. Soils formed on gneiss, schist, amphibolite, metasedimentary rocks, and metavolcanic rocks of the Inner Piedmont belt, Charlotte belt, and Carolina Slate Belt are sandy and silty loams with firm red clay subsoils that have low to moderate permeability.

Native soils encountered within the boreholes conducted during the RI consisted primarily of red clay. Groundwater was not encountered in any of the boreholes. Based on previous subsurface investigations conducted on the subject site as part of an underground storage tank investigation, shallow groundwater at the site is greater the 45 feet bgs. Boring logs are contained in Appendix B.

3.3 Remedial Investigation Updated Results

Four soil samples, including one duplicate soil sample, were collected from the boreholes and submitted to the laboratory for analysis of VOC+TICs. Boring locations are depicted on Figure 3 and the analytical results are summarized on the following table. Only those compounds detected at concentrations in excess of the laboratory reporting limit (RL) are summarized.

Table 1: Laboratory Analytical Results Summary

Sample ID Lab Sample ID Sample Depth (ft.) Collection Date	SO-7 NVL2787-01 8.0-8.5 12/16/2011	SO-7D NVL2787-02 8.0-8.5 12/16/2011	SO-8 NVL2787-03 8.0-8.5 12/16/2011	SO-9 NVL2787-04 8.0-8.5 12/16/2011	IHSB Health Based Soil Remediation Goals (mg/kg)	IHSB Protection of Groundwater Soil Remediation Goals (mg/kg)
Volatile Organic Compounds: (mg/kg)						
Benzene	ND (0.00137)	ND (0.00128)	ND (0.00159)	0.00143 J	1.1	0.0073
cis-1,2-Dichlorethene	0.00169 J	0.00162 J	0.00217 J	0.00935	32	0.36
Ethylbenzene	ND (0.00249)	ND (0.00233)	ND (0.00289)	0.00210 J	5.4	8.1
Methyl tert-Butyl Ether	ND (0.00249)	ND (0.00233)	ND (0.00289)	0.00141 J	43	0.085
1,1,2,2-Tetrachloroethane	**ND (0.00124)**	ND (0.00116)	**ND (0.00145)**	ND (0.00112)	0.56	0.0012
1,1,2-Trichloroethane	ND (0.00311)	ND (0.00291)	**ND (0.00362)**	ND (0.00280)	0.32	0.0032
1,2,3-Trichloropropane	**ND (0.00124)**	**ND (0.00116)**	**ND (0.00145)**	**ND (0.00112)**	0.005	0.000032
Vinyl Chloride	**ND (0.00124)**	**ND (0.00116)**	**ND (0.00145)**	**ND (0.00112)**	0.06	0.00019

NOTES:
Inactive Hazardous Sites Branch Preliminary Soil Remediation Goals (PSRG) August 2011
*mg/kg: milligrams per kilogram
J: Detected at a concentration less than the Reporting Limit and greater than or equal to the Method Detection Limit (MDL)
ND(#): Not Detected(Method Reporting/Detection Limit)

Source: TestAmerica Laboratory Report No. NVL2787

A review of the laboratory data indicates that select VOCs were detected, however the reported concentrations are not in excess of the IHSB Health Based Preliminary Soil Remediation Goals (HBPSRG) or the IHSB Protection of Groundwater Preliminary Soil Remediation Goals (PGWPSRG). A review of the laboratory data did indicate that the MDLs for select VOC compounds were slightly in excess of some of the IHSB PGWPSRG.

4. CONCLUSIONS AND RECOMMENDATIONS

A remedial investigation update was conducted at the Pep Boys Store #150 in Matthews for the purpose of reassessing soils in the area of the former hydraulic lift area located in Bay No. 2 of the facility. A total of three soil boreholes were installed to a total depth of 10.5 to 12.0 feet bgs in and around the former hydraulic lift area. No PID response was detected in the soil sample boreholes. Four soil samples, including one duplicate sample for QC analysis, were collected from the 8.0 to 8.5'

bgs and submitted to the laboratory for analysis of VOCs plus TICs. A review of the laboratory data did not indicate VOCs in excess of the IHSB Health Based Preliminary Soil Remediation Goals (HBPSRG) or the IHSB Protection of Groundwater Preliminary Soil Remediation Goals (PGWPSRG). A review of the results did indicate that the MDL for select VOC compounds were slightly in excess of some of the IHSB PGWPSRG. However, based on the low level that could potentially be present, the environmental risk posed appears minimal. As such, ECG is recommending No Further Action with respect to the former hydraulic lift area.

5. CONTACT NAMES FOR FUTURE WORK

Below we have included contact names, addresses and telephone numbers for the principal consultants and laboratory as follows:

- Consultants

  Mr. Edward Keebler, Director
  The EC Group
  201 East Orchard Street
  Hammonton, NJ 08037
  609.704.9990

  Mr. Phillip Rahn, RSM
  Waters Edge Environmental
  4901 Waters Edge Drive, Suite 201
  Raleigh, NC 27606
  919.859.9987

- Laboratory

  Test America
  2960 Foster Creighton Drive
  Nashville, TN 37204
  615.726.0177
  NC Certification #387

  REC Company- Waters Edge

6. CERTIFICATION

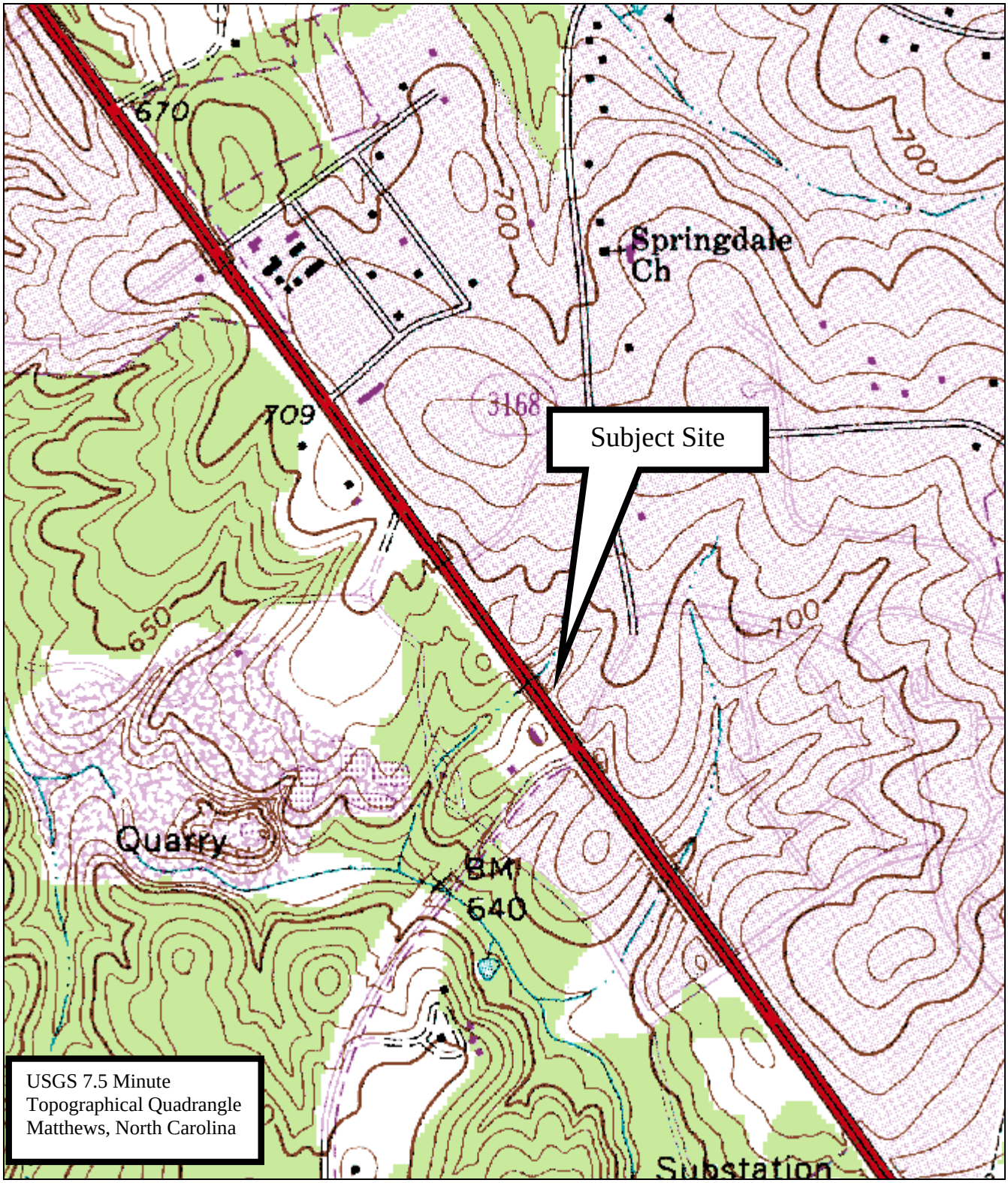
The requisite certification statements are contained in Appendix C.

FIGURES

Figure 1: Regional Site Location Map

Figure 2: Site Map

Figure 3: Sampling Location Map

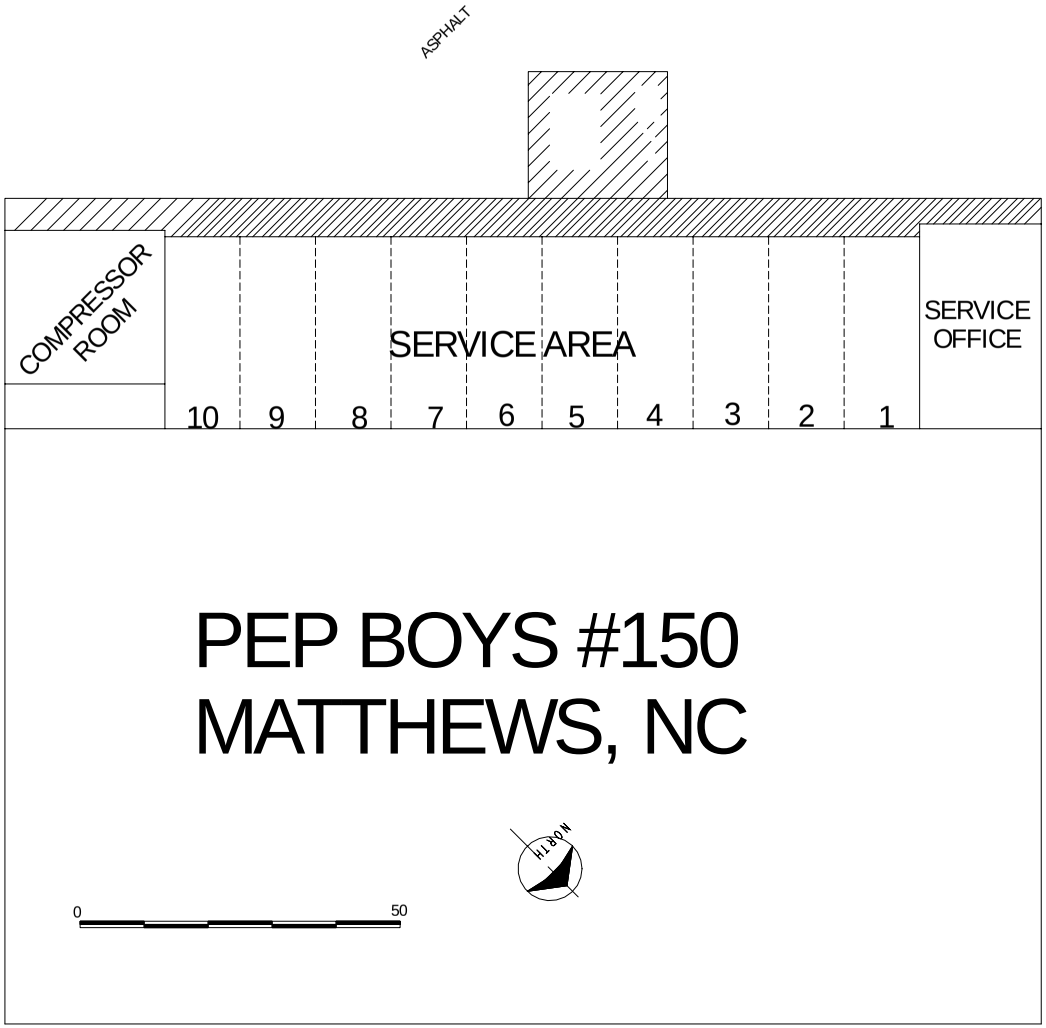


The EC Group

Environmental Consulting
Hydrogeologic Services

Hammonton, New Jersey
609-704-9990

Figure 1: Regional Site Location Map		
Project North	Pep Boys #150 9415 E. Indepence Boulevard Matthews, North Carolina	Magnetic North
Prepared by: EGK	Scale: 1:24,000	
	Date: 11/25/08	

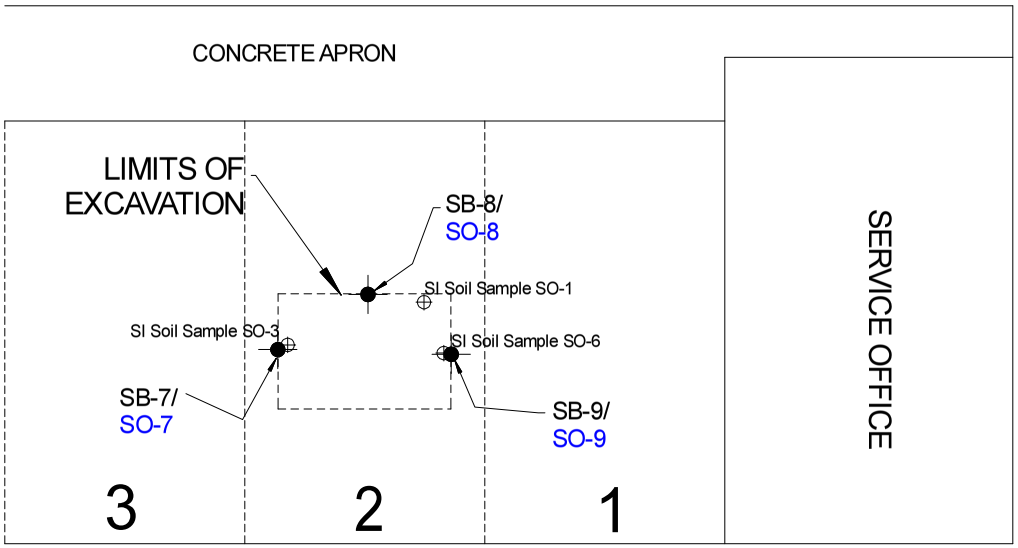


INDEPENDENCE BOULEVARD

The EC Group
Environmental Consulting
Hydrogeologic Services

Hammonton, New Jersey
609-704-9990

Figure 2: SITE MAP		
Project North	Pep Boys Store #150 1951 E. Independence Blvd Matthews, North Carolina	
Prepared by: EGK	Scale: 1" = 30'	
	Date:01/08/07	



⊕ Site Investigation Soil Samples

Remedial Investigation Soil Borings/Samples

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Hydrogeologic Services

Hammonton, New Jersey
609-704-9990

Figure 3: Sample Location Map		
Project North	Pep Boys Store #150 1951 E. Independence Blvd Matthews, North Carolina	
Prepared by: JSN	Scale: 1" = 10'	
	Date: 12/16/11	

APPENDIX A:

Laboratory Analytical Report

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NVL2787
Client Project/Site: [none]
Client Project Description: PBY # 150

For:
E.C. Group, Llc (2603)
201 East Orchard Street
Hammonton, NJ 08037

Attn: Joseph Nicosia

Authorized for release by:
1/4/2012 10:45:09 AM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Sample Summary

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NVL2787-01	SO-7	Soil	12/16/11 00:01	12/19/11 08:15
NVL2787-02	SO-7D	Soil	12/16/11 00:01	12/19/11 08:15
NVL2787-03	SO-8	Soil	12/16/11 00:01	12/19/11 08:15
NVL2787-04	SO-9	Soil	12/16/11 00:01	12/19/11 08:15

Case Narrative

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Job ID: NVL2787

Laboratory: TestAmerica Nashville

Narrative

REVISED REPORT: 01/04/12 KAH - To report to the MDL and to include Conformance/Non-conformance Summary. This report replaces the one generated on 12/30/11 @ 1234.

CONFORMANCE/NON-CONFORMANCE SUMMARY:

All samples were received in good condition, properly preserved, and properly labeled.

All analyses were completed within holding times. There are QC results reported that are outside laboratory historical recovery ranges. These values are flagged with the appropriate qualifier and noted below:

The 8260B Tentatively Identified Compounds; Cyclotetrasiloxane, octamethyl-, Cyclotrisiloxane, hexamethyl- and p-Trimethylsilyloxyphenyl-(trimeth) were detected in Blank 1 (BLK1) for QC Batch 11L4977. Since these are being reported as Tentatively Identified Compounds, the data was accepted with no further analysis.

The 8260B Blank Spike 1 (BS1) for QC Batch 11L4977 was biased high for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,3-Dichlorobenzene, and 1,4-Dichlorobenzen. However, as these analytes were non-detect at the reporting limit in the associated samples, the data was accepted with no further analysis.

The 8260B Blank Spike Duplicate 1 (BSD1) for QC Batch 11L4977 was biased high for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzen. However, as these analytes were non-detect at the reporting limit in the associated samples, the data was accepted with no further analysis.

The 8260B Matrix Spike 1 (MS1) and Matrix Spike Duplicate 1 (MSD1) for QC Batch 11L4977 were biased high for Methylene Chloride. The Blank Spike for this analyte was within acceptable range; therefore, the data was accepted with no further analysis.

There are no other non-conformance issues with this report.

OBSERVATIONS: Analytical results that fall between the MDL and RL are 'J' flagged.

Tentatively Identified Compounds are noted with a T7 flag.

Definitions/Glossary

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
B	Analyte was detected in the associated Method Blank.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

GCMS Volatiles TICs

Qualifier	Qualifier Description
T7	Tentatively identified compound. Concentration is estimated based on the closest internal standard.
B	Analyte was detected in the associated Method Blank.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-7

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-01

Matrix: Soil
Percent Solids: 72.9

Method: SW846 8260B - Tentatively Identified Compounds by EPA Method 8260B

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Cyclotrisiloxane, hexamethyl-	*0.0103*	*B T7*	*mg/kg dry*	☼	*6.47*	*000541-05-9*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*
Cyclotetrasiloxane, octamethyl-	*0.0137*	*B T7*	*mg/kg dry*	☼	*8.60*	*000556-67-2*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0622	0.0311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Benzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Bromobenzene	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Bromochloromethane	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Bromodichloromethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Bromoform	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Bromomethane	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2-Dibromo-3-chloropropane	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
2-Butanone	ND		0.0622	0.0311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
sec-Butylbenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
n-Butylbenzene	ND		0.00249	0.00212	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
tert-Butylbenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Carbon disulfide	ND		0.00622	0.00448	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Carbon Tetrachloride	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Chlorobenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Chlorodibromomethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Chloroethane	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Chloroform	ND		0.00249	0.00162	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Chloromethane	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
2-Chlorotoluene	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
4-Chlorotoluene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2-Dibromoethane (EDB)	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Dibromomethane	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,4-Dichlorobenzene	ND	L	0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,3-Dichlorobenzene	ND	L	0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2-Dichlorobenzene	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Dichlorodifluoromethane	ND		0.00249	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1-Dichloroethane	ND		0.00249	0.00162	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2-Dichloroethane	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
cis-1,2-Dichloroethene	**0.00169**	**J**	0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1-Dichloroethene	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
trans-1,2-Dichloroethene	ND		0.00249	0.00162	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,3-Dichloropropane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2-Dichloropropane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
2,2-Dichloropropane	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
cis-1,3-Dichloropropene	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
trans-1,3-Dichloropropene	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1-Dichloropropene	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Ethylbenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Hexachlorobutadiene	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
2-Hexanone	ND		0.0622	0.0311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Isopropylbenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
p-Isopropyltoluene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Methyl tert-Butyl Ether	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Methylene Chloride	ND		0.0124	0.00622	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-7

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-01

Matrix: Soil
Percent Solids: 72.9

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND		0.0622	0.0311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Naphthalene	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
n-Propylbenzene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Styrene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1,1,2-Tetrachloroethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1,2,2-Tetrachloroethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Tetrachloroethene	ND		0.00249	0.00162	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Toluene	ND		0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2,3-Trichlorobenzene	ND	L	0.00249	0.00137	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2,4-Trichlorobenzene	ND	L	0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1,2-Trichloroethane	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,1,1-Trichloroethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Trichloroethene	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Trichlorofluoromethane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2,3-Trichloropropane	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,3,5-Trimethylbenzene	ND		0.00249	0.00149	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
1,2,4-Trimethylbenzene	ND		0.00249	0.00162	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Vinyl chloride	ND		0.00249	0.00124	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00
Xylenes, total	ND		0.00622	0.00311	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:01	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*
Toluene-d8	*97*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:01*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**72.9**		0.500	0.500	%		12/27/11 10:54	12/28/11 09:26	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-7D

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-02

Matrix: Soil
Percent Solids: 75.2

Method: SW846 8260B - Tentatively Identified Compounds by EPA Method 8260B

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane, octamethyl-	*0.0104*	*B T7*	*mg/kg dry*	☼	*8.60*	*000556-67-2*	*12/16/11 00:01*	*12/28/11 15:29*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0581	0.0291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Benzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Bromobenzene	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Bromochloromethane	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Bromodichloromethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Bromoform	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Bromomethane	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2-Dibromo-3-chloropropane	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
2-Butanone	ND		0.0581	0.0291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
sec-Butylbenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
n-Butylbenzene	ND		0.00233	0.00198	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
tert-Butylbenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Carbon disulfide	ND		0.00581	0.00419	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Carbon Tetrachloride	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Chlorobenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Chlorodibromomethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Chloroethane	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Chloroform	ND		0.00233	0.00151	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Chloromethane	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
2-Chlorotoluene	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
4-Chlorotoluene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2-Dibromoethane (EDB)	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Dibromomethane	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,4-Dichlorobenzene	ND	L	0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,3-Dichlorobenzene	ND	L	0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2-Dichlorobenzene	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Dichlorodifluoromethane	ND		0.00233	0.00163	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1-Dichloroethane	ND		0.00233	0.00151	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2-Dichloroethane	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
cis-1,2-Dichloroethene	**0.00162**	**J**	0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1-Dichloroethene	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
trans-1,2-Dichloroethene	ND		0.00233	0.00151	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,3-Dichloropropane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2-Dichloropropane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
2,2-Dichloropropane	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
cis-1,3-Dichloropropene	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
trans-1,3-Dichloropropene	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1-Dichloropropene	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Ethylbenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Hexachlorobutadiene	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
2-Hexanone	ND		0.0581	0.0291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Isopropylbenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
p-Isopropyltoluene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Methyl tert-Butyl Ether	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Methylene Chloride	ND		0.0116	0.00581	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
4-Methyl-2-pentanone	ND		0.0581	0.0291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-7D

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-02

Matrix: Soil
Percent Solids: 75.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
n-Propylbenzene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Styrene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1,1,2-Tetrachloroethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1,2,2-Tetrachloroethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Tetrachloroethene	ND		0.00233	0.00151	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Toluene	ND		0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2,3-Trichlorobenzene	ND	L	0.00233	0.00128	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2,4-Trichlorobenzene	ND	L	0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1,2-Trichloroethane	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,1,1-Trichloroethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Trichloroethene	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Trichlorofluoromethane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2,3-Trichloropropane	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,3,5-Trimethylbenzene	ND		0.00233	0.00140	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
1,2,4-Trimethylbenzene	ND		0.00233	0.00151	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Vinyl chloride	ND		0.00233	0.00116	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00
Xylenes, total	ND		0.00581	0.00291	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:29	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:29*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:29*	*1.00*
Toluene-d8	*96*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:29*	*1.00*
4-Bromofluorobenzene	*96*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:29*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**75.2**		0.500	0.500	%		12/27/11 10:54	12/28/11 09:26	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-8

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-03

Matrix: Soil
Percent Solids: 71.6

Method: SW846 8260B - Tentatively Identified Compounds by EPA Method 8260B

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotetrasiloxane, octamethyl-	*0.0138*	*B T7*	*mg/kg dry*	☼	*8.60*	*000556-67-2*	*12/16/11 00:01*	*12/28/11 15:57*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0723	0.0362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Benzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Bromobenzene	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Bromochloromethane	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Bromodichloromethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Bromoform	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Bromomethane	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2-Dibromo-3-chloropropane	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
2-Butanone	ND		0.0723	0.0362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
sec-Butylbenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
n-Butylbenzene	ND		0.00289	0.00246	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
tert-Butylbenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Carbon disulfide	ND		0.00723	0.00521	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Carbon Tetrachloride	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Chlorobenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Chlorodibromomethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Chloroethane	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Chloroform	ND		0.00289	0.00188	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Chloromethane	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
2-Chlorotoluene	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
4-Chlorotoluene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2-Dibromoethane (EDB)	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Dibromomethane	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,4-Dichlorobenzene	ND	L	0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,3-Dichlorobenzene	ND	L	0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2-Dichlorobenzene	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Dichlorodifluoromethane	ND		0.00289	0.00202	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1-Dichloroethane	ND		0.00289	0.00188	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2-Dichloroethane	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
cis-1,2-Dichloroethene	**0.00217**	**J**	0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1-Dichloroethene	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
trans-1,2-Dichloroethene	ND		0.00289	0.00188	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,3-Dichloropropane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2-Dichloropropane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
2,2-Dichloropropane	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
cis-1,3-Dichloropropene	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
trans-1,3-Dichloropropene	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1-Dichloropropene	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Ethylbenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Hexachlorobutadiene	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
2-Hexanone	ND		0.0723	0.0362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Isopropylbenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
p-Isopropyltoluene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Methyl tert-Butyl Ether	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Methylene Chloride	ND		0.0145	0.00723	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
4-Methyl-2-pentanone	ND		0.0723	0.0362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-8

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-03

Matrix: Soil
Percent Solids: 71.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
n-Propylbenzene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Styrene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1,1,2-Tetrachloroethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1,2,2-Tetrachloroethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Tetrachloroethene	ND		0.00289	0.00188	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Toluene	ND		0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2,3-Trichlorobenzene	ND	L	0.00289	0.00159	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2,4-Trichlorobenzene	ND	L	0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1,2-Trichloroethane	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,1,1-Trichloroethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Trichloroethene	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Trichlorofluoromethane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2,3-Trichloropropane	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,3,5-Trimethylbenzene	ND		0.00289	0.00174	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
1,2,4-Trimethylbenzene	ND		0.00289	0.00188	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Vinyl chloride	ND		0.00289	0.00145	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00
Xylenes, total	ND		0.00723	0.00362	mg/kg dry	☼	12/16/11 00:01	12/28/11 15:57	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:57*	*1.00*
Dibromofluoromethane	*98*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:57*	*1.00*
Toluene-d8	*97*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:57*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*12/16/11 00:01*	*12/28/11 15:57*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**71.6**		0.500	0.500	%		12/27/11 10:54	12/28/11 09:26	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-9

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-04

Matrix: Soil
Percent Solids: 75.2

Method: SW846 8260B - Tentatively Identified Compounds by EPA Method 8260B

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Cyclotrisiloxane, hexamethyl-	0.00685	B T7	mg/kg dry	☼	6.47	000541-05-9	12/16/11 00:01	12/28/11 16:26	1.00
2-Pentanone, 4,4-dimethyl-	0.0207	T7	mg/kg dry	☼	6.56	000590-50-1	12/16/11 00:01	12/28/11 16:26	1.00
Cyclotetrasiloxane, octamethyl-	0.0150	B T7	mg/kg dry	☼	8.60	000556-67-2	12/16/11 00:01	12/28/11 16:26	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0561	0.0280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Benzene	**0.00143**	**J**	0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Bromobenzene	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Bromochloromethane	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Bromodichloromethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Bromoform	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Bromomethane	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2-Dibromo-3-chloropropane	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
2-Butanone	ND		0.0561	0.0280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
sec-Butylbenzene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
n-Butylbenzene	ND		0.00224	0.00191	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
tert-Butylbenzene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Carbon disulfide	ND		0.00561	0.00404	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Carbon Tetrachloride	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Chlorobenzene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Chlorodibromomethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Chloroethane	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Chloroform	ND		0.00224	0.00146	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Chloromethane	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
2-Chlorotoluene	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
4-Chlorotoluene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2-Dibromoethane (EDB)	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Dibromomethane	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,4-Dichlorobenzene	ND	L	0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,3-Dichlorobenzene	ND	L	0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2-Dichlorobenzene	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Dichlorodifluoromethane	ND		0.00224	0.00157	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1-Dichloroethane	ND		0.00224	0.00146	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2-Dichloroethane	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
cis-1,2-Dichloroethene	**0.00935**		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1-Dichloroethene	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
trans-1,2-Dichloroethene	ND		0.00224	0.00146	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,3-Dichloropropane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2-Dichloropropane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
2,2-Dichloropropane	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
cis-1,3-Dichloropropene	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
trans-1,3-Dichloropropene	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1-Dichloropropene	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Ethylbenzene	**0.00210**	**J**	0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Hexachlorobutadiene	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
2-Hexanone	ND		0.0561	0.0280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Isopropylbenzene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
p-Isopropyltoluene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Methyl tert-Butyl Ether	**0.00141**	**J**	0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00

Client Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-9

Date Collected: 12/16/11 00:01
Date Received: 12/19/11 08:15

Lab Sample ID: NVL2787-04

Matrix: Soil
Percent Solids: 75.2

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.0112	0.00561	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
4-Methyl-2-pentanone	ND		0.0561	0.0280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Naphthalene	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
n-Propylbenzene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Styrene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1,1,2-Tetrachloroethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1,2,2-Tetrachloroethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Tetrachloroethene	ND		0.00224	0.00146	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Toluene	ND		0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2,3-Trichlorobenzene	ND	L	0.00224	0.00123	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2,4-Trichlorobenzene	ND	L	0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1,2-Trichloroethane	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,1,1-Trichloroethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Trichloroethene	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Trichlorofluoromethane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2,3-Trichloropropane	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,3,5-Trimethylbenzene	ND		0.00224	0.00135	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
1,2,4-Trimethylbenzene	ND		0.00224	0.00146	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Vinyl chloride	ND		0.00224	0.00112	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00
Xylenes, total	ND		0.00561	0.00280	mg/kg dry	☼	12/16/11 00:01	12/28/11 16:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*70 - 130*	*12/16/11 00:01*	*12/28/11 16:26*	*1.00*
Dibromofluoromethane	*101*		*70 - 130*	*12/16/11 00:01*	*12/28/11 16:26*	*1.00*
Toluene-d8	*99*		*70 - 130*	*12/16/11 00:01*	*12/28/11 16:26*	*1.00*
4-Bromofluorobenzene	*105*		*70 - 130*	*12/16/11 00:01*	*12/28/11 16:26*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**75.2**		0.500	0.500	%		12/27/11 10:54	12/28/11 09:26	1.00

QC Sample Results

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Method: SW846 8260B - Tentatively Identified Compounds by EPA Method 8260B

Lab Sample ID: 11L4977-BLK1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Tentatively Identified Compound	*Blank Est. Result*	*Blank Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compounds	*ND*		*mg/kg wet*			*TIC*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
Cyclotrisiloxane, hexamethyl-	*0.0270*	*T7*	*mg/kg wet*		*6.47*	*000541-05-9*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
Cyclotetrasiloxane, octamethyl-	*0.0395*	*T7*	*mg/kg wet*		*8.60*	*000556-67-2*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
p-Trimethylsilyloxyphenyl-(trimeth	*0.00604*	*T7*	*mg/kg wet*		*10.43*	*1000079-05-1*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L4977-BLK1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500	0.0250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Benzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Bromobenzene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Bromochloromethane	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Bromodichloromethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Bromoform	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Bromomethane	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2-Dibromo-3-chloropropane	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
2-Butanone	ND		0.0500	0.0250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
sec-Butylbenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
n-Butylbenzene	ND		0.00200	0.00170	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
tert-Butylbenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Carbon disulfide	ND		0.00500	0.00360	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Carbon Tetrachloride	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Chlorobenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Chlorodibromomethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Chloroethane	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Chloroform	ND		0.00200	0.00130	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Chloromethane	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
2-Chlorotoluene	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
4-Chlorotoluene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2-Dibromoethane (EDB)	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Dibromomethane	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,4-Dichlorobenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,3-Dichlorobenzene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2-Dichlorobenzene	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Dichlorodifluoromethane	ND		0.00200	0.00140	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1-Dichloroethane	ND		0.00200	0.00130	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2-Dichloroethane	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
cis-1,2-Dichloroethene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1-Dichloroethene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
trans-1,2-Dichloroethene	ND		0.00200	0.00130	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,3-Dichloropropane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2-Dichloropropane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
2,2-Dichloropropane	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
cis-1,3-Dichloropropene	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BLK1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1-Dichloropropene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Ethylbenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Hexachlorobutadiene	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
2-Hexanone	ND		0.0500	0.0250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Isopropylbenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
p-Isopropyltoluene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Methyl tert-Butyl Ether	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Methylene Chloride	ND		0.0100	0.00500	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
4-Methyl-2-pentanone	ND		0.0500	0.0250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Naphthalene	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
n-Propylbenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Styrene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1,1,2-Tetrachloroethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1,2,2-Tetrachloroethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Tetrachloroethene	ND		0.00200	0.00130	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Toluene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2,3-Trichlorobenzene	ND		0.00200	0.00110	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2,4-Trichlorobenzene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1,2-Trichloroethane	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,1,1-Trichloroethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Trichloroethene	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Trichlorofluoromethane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2,3-Trichloropropane	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,3,5-Trimethylbenzene	ND		0.00200	0.00120	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
1,2,4-Trimethylbenzene	ND		0.00200	0.00130	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Vinyl chloride	ND		0.00200	0.00100	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00
Xylenes, total	ND		0.00500	0.00250	mg/kg wet		12/28/11 11:39	12/28/11 14:06	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
Toluene-d8	*96*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:06*	*1.00*

Lab Sample ID: 11L4977-BLK2
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50	1.25	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Benzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Bromobenzene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Bromochloromethane	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Bromodichloromethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Bromoform	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Bromomethane	0.0895	J	0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2-Dibromo-3-chloropropane	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
2-Butanone	ND		2.50	1.25	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BLK2
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
n-Butylbenzene	ND		0.100	0.0850	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
tert-Butylbenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Carbon disulfide	ND		0.250	0.180	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Carbon Tetrachloride	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Chlorobenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Chlorodibromomethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Chloroethane	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Chloroform	ND		0.100	0.0650	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Chloromethane	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
2-Chlorotoluene	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
4-Chlorotoluene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2-Dibromoethane (EDB)	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Dibromomethane	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,4-Dichlorobenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,3-Dichlorobenzene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2-Dichlorobenzene	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Dichlorodifluoromethane	ND		0.100	0.0700	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1-Dichloroethane	ND		0.100	0.0650	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2-Dichloroethane	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
cis-1,2-Dichloroethene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1-Dichloroethene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
trans-1,2-Dichloroethene	ND		0.100	0.0650	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,3-Dichloropropane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2-Dichloropropane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
2,2-Dichloropropane	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
cis-1,3-Dichloropropene	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
trans-1,3-Dichloropropene	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1-Dichloropropene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Ethylbenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Hexachlorobutadiene	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
2-Hexanone	ND		2.50	1.25	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Isopropylbenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
p-Isopropyltoluene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Methyl tert-Butyl Ether	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Methylene Chloride	ND		0.500	0.250	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
4-Methyl-2-pentanone	ND		2.50	1.25	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Naphthalene	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
n-Propylbenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Styrene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1,1,2-Tetrachloroethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1,2,2-Tetrachloroethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Tetrachloroethene	ND		0.100	0.0650	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Toluene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2,3-Trichlorobenzene	ND		0.100	0.0550	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2,4-Trichlorobenzene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1,2-Trichloroethane	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,1,1-Trichloroethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Trichloroethene	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Trichlorofluoromethane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BLK2
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,3,5-Trimethylbenzene	ND		0.100	0.0600	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
1,2,4-Trimethylbenzene	ND		0.100	0.0650	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Vinyl chloride	ND		0.100	0.0500	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0
Xylenes, total	ND		0.250	0.125	mg/kg wet		12/28/11 11:39	12/28/11 14:33	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*89*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:33*	*50.0*
Dibromofluoromethane	*92*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:33*	*50.0*
Toluene-d8	*97*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:33*	*50.0*
4-Bromofluorobenzene	*96*		*70 - 130*	*12/28/11 11:39*	*12/28/11 14:33*	*50.0*

Lab Sample ID: 11L4977-BS1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	216		ug/kg		87	51 - 149
Benzene	50.0	50.0		ug/kg		100	75 - 127
Bromobenzene	50.0	56.1		ug/kg		112	75 - 130
Bromochloromethane	50.0	53.3		ug/kg		107	70 - 132
Bromodichloromethane	50.0	51.6		ug/kg		103	68 - 135
Bromoform	50.0	51.7		ug/kg		103	36 - 150
Bromomethane	50.0	32.3	B	ug/kg		65	43 - 142
1,2-Dibromo-3-chloropropane	50.0	47.3		ug/kg		95	49 - 142
2-Butanone	250	225		ug/kg		90	61 - 132
sec-Butylbenzene	50.0	54.9		ug/kg		110	79 - 141
n-Butylbenzene	50.0	62.5		ug/kg		125	72 - 152
tert-Butylbenzene	50.0	52.1		ug/kg		104	80 - 132
Carbon disulfide	50.0	48.5		ug/kg		97	74 - 135
Carbon Tetrachloride	50.0	50.2		ug/kg		100	70 - 141
Chlorobenzene	50.0	55.0		ug/kg		110	84 - 125
Chlorodibromomethane	50.0	56.4		ug/kg		113	66 - 134
Chloroethane	50.0	50.9		ug/kg		102	53 - 144
Chloroform	50.0	46.6		ug/kg		93	76 - 130
Chloromethane	50.0	36.5		ug/kg		73	23 - 150
2-Chlorotoluene	50.0	55.2		ug/kg		110	78 - 132
4-Chlorotoluene	50.0	61.1		ug/kg		122	77 - 138
1,2-Dibromoethane (EDB)	50.0	53.0		ug/kg		106	80 - 135
Dibromomethane	50.0	51.5		ug/kg		103	71 - 130
1,4-Dichlorobenzene	50.0	73.2	L	ug/kg		146	77 - 139
1,3-Dichlorobenzene	50.0	69.5	L	ug/kg		139	79 - 137
1,2-Dichlorobenzene	50.0	65.4		ug/kg		131	80 - 134
Dichlorodifluoromethane	50.0	39.0		ug/kg		78	12 - 144
1,1-Dichloroethane	50.0	49.6		ug/kg		99	75 - 124
1,2-Dichloroethane	50.0	46.9		ug/kg		94	65 - 134
cis-1,2-Dichloroethene	50.0	49.1		ug/kg		98	75 - 125
1,1-Dichloroethene	50.0	49.5		ug/kg		99	75 - 131
trans-1,2-Dichloroethene	50.0	49.3		ug/kg		99	76 - 128

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BS1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Dichloropropane	50.0	50.7		ug/kg		101	78 - 126
1,2-Dichloropropane	50.0	47.7		ug/kg		95	69 - 120
2,2-Dichloropropane	50.0	49.4		ug/kg		99	68 - 145
cis-1,3-Dichloropropene	50.0	54.7		ug/kg		109	73 - 148
trans-1,3-Dichloropropene	50.0	52.9		ug/kg		106	62 - 139
1,1-Dichloropropene	50.0	49.4		ug/kg		99	79 - 127
Ethylbenzene	50.0	51.0		ug/kg		102	80 - 134
Hexachlorobutadiene	50.0	71.2		ug/kg		142	65 - 148
2-Hexanone	250	225		ug/kg		90	57 - 148
Isopropylbenzene	50.0	56.0		ug/kg		112	80 - 150
p-Isopropyltoluene	50.0	58.2		ug/kg		116	77 - 141
Methyl tert-Butyl Ether	50.0	48.3		ug/kg		97	70 - 136
Methylene Chloride	50.0	48.1		ug/kg		96	68 - 144
4-Methyl-2-pentanone	250	228		ug/kg		91	59 - 138
Naphthalene	50.0	58.2		ug/kg		116	69 - 150
n-Propylbenzene	50.0	55.0		ug/kg		110	75 - 137
Styrene	50.0	58.8		ug/kg		118	82 - 137
1,1,1,2-Tetrachloroethane	50.0	54.7		ug/kg		109	80 - 136
1,1,2,2-Tetrachloroethane	50.0	50.4		ug/kg		101	66 - 134
Tetrachloroethene	50.0	61.6		ug/kg		123	78 - 140
Toluene	50.0	52.4		ug/kg		105	80 - 132
1,2,3-Trichlorobenzene	50.0	86.5	L	ug/kg		173	70 - 150
1,2,4-Trichlorobenzene	50.0	100	L	ug/kg		201	62 - 150
1,1,2-Trichloroethane	50.0	49.8		ug/kg		100	78 - 128
1,1,1-Trichloroethane	50.0	48.1		ug/kg		96	72 - 140
Trichloroethene	50.0	56.1		ug/kg		112	77 - 127
Trichlorofluoromethane	50.0	44.8		ug/kg		90	50 - 140
1,2,3-Trichloropropane	50.0	45.6		ug/kg		91	65 - 139
1,3,5-Trimethylbenzene	50.0	55.5		ug/kg		111	78 - 138
1,2,4-Trimethylbenzene	50.0	55.8		ug/kg		112	77 - 139
Vinyl chloride	50.0	47.0		ug/kg		94	47 - 136
Xylenes, total	150	162		ug/kg		108	80 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*92*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*98*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*

Lab Sample ID: 11L4977-BSD1
Matrix: Soil
Analysis Batch: U022870

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11L4977_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	208		ug/kg		83	51 - 149	4	50
Benzene	50.0	48.4		ug/kg		97	75 - 127	3	50
Bromobenzene	50.0	53.5		ug/kg		107	75 - 130	5	50
Bromochloromethane	50.0	50.5		ug/kg		101	70 - 132	5	50
Bromodichloromethane	50.0	49.6		ug/kg		99	68 - 135	4	50

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U022870 — **Prep Batch: 11L4977_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	50.0	49.8		ug/kg		100	36 - 150	4	50
Bromomethane	50.0	33.0	B	ug/kg		66	43 - 142	2	50
1,2-Dibromo-3-chloropropane	50.0	46.8		ug/kg		94	49 - 142	1	50
2-Butanone	250	219		ug/kg		88	61 - 132	3	50
sec-Butylbenzene	50.0	51.7		ug/kg		103	79 - 141	6	50
n-Butylbenzene	50.0	58.3		ug/kg		117	72 - 152	7	50
tert-Butylbenzene	50.0	49.8		ug/kg		100	80 - 132	4	50
Carbon disulfide	50.0	46.6		ug/kg		93	74 - 135	4	50
Carbon Tetrachloride	50.0	48.6		ug/kg		97	70 - 141	3	50
Chlorobenzene	50.0	53.1		ug/kg		106	84 - 125	4	50
Chlorodibromomethane	50.0	54.4		ug/kg		109	66 - 134	4	50
Chloroethane	50.0	48.9		ug/kg		98	53 - 144	4	50
Chloroform	50.0	46.0		ug/kg		92	76 - 130	2	49
Chloromethane	50.0	35.0		ug/kg		70	23 - 150	4	50
2-Chlorotoluene	50.0	52.8		ug/kg		106	78 - 132	4	50
4-Chlorotoluene	50.0	58.1		ug/kg		116	77 - 138	5	50
1,2-Dibromoethane (EDB)	50.0	50.5		ug/kg		101	80 - 135	5	50
Dibromomethane	50.0	49.4		ug/kg		99	71 - 130	4	50
1,4-Dichlorobenzene	50.0	69.0		ug/kg		138	77 - 139	6	50
1,3-Dichlorobenzene	50.0	65.7		ug/kg		131	79 - 137	6	50
1,2-Dichlorobenzene	50.0	62.5		ug/kg		125	80 - 134	5	50
Dichlorodifluoromethane	50.0	36.3		ug/kg		73	12 - 144	7	50
1,1-Dichloroethane	50.0	47.8		ug/kg		96	75 - 124	4	50
1,2-Dichloroethane	50.0	45.7		ug/kg		91	65 - 134	2	50
cis-1,2-Dichloroethene	50.0	48.0		ug/kg		96	75 - 125	2	50
1,1-Dichloroethene	50.0	47.1		ug/kg		94	75 - 131	5	50
trans-1,2-Dichloroethene	50.0	48.6		ug/kg		97	76 - 128	1	50
1,3-Dichloropropane	50.0	48.3		ug/kg		97	78 - 126	5	42
1,2-Dichloropropane	50.0	45.9		ug/kg		92	69 - 120	4	50
2,2-Dichloropropane	50.0	48.1		ug/kg		96	68 - 145	3	50
cis-1,3-Dichloropropene	50.0	52.7		ug/kg		105	73 - 148	4	50
trans-1,3-Dichloropropene	50.0	50.4		ug/kg		101	62 - 139	5	50
1,1-Dichloropropene	50.0	48.3		ug/kg		97	79 - 127	2	50
Ethylbenzene	50.0	48.7		ug/kg		97	80 - 134	5	50
Hexachlorobutadiene	50.0	67.8		ug/kg		136	65 - 148	5	50
2-Hexanone	250	218		ug/kg		87	57 - 148	3	50
Isopropylbenzene	50.0	53.9		ug/kg		108	80 - 150	4	50
p-Isopropyltoluene	50.0	54.8		ug/kg		110	77 - 141	6	50
Methyl tert-Butyl Ether	50.0	46.9		ug/kg		94	70 - 136	3	50
Methylene Chloride	50.0	48.0		ug/kg		96	68 - 144	0.3	50
4-Methyl-2-pentanone	250	218		ug/kg		87	59 - 138	4	50
Naphthalene	50.0	55.8		ug/kg		112	69 - 150	4	50
n-Propylbenzene	50.0	52.8		ug/kg		106	75 - 137	4	50
Styrene	50.0	56.4		ug/kg		113	82 - 137	4	50
1,1,1,2-Tetrachloroethane	50.0	52.6		ug/kg		105	80 - 136	4	50
1,1,2,2-Tetrachloroethane	50.0	47.2		ug/kg		94	66 - 134	6	50
Tetrachloroethene	50.0	58.6		ug/kg		117	78 - 140	5	50
Toluene	50.0	50.2		ug/kg		100	80 - 132	4	50
1,2,3-Trichlorobenzene	50.0	79.9	L	ug/kg		160	70 - 150	8	50
1,2,4-Trichlorobenzene	50.0	92.6	L	ug/kg		185	62 - 150	8	50

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-BSD1 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U022870 — **Prep Batch: 11L4977_P**

Analyte			Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,2-Trichloroethane			50.0	48.3		ug/kg		97	78 - 128	3	50
1,1,1-Trichloroethane			50.0	47.3		ug/kg		95	72 - 140	2	50
Trichloroethene			50.0	54.2		ug/kg		108	77 - 127	4	50
Trichlorofluoromethane			50.0	42.9		ug/kg		86	50 - 140	4	50
1,2,3-Trichloropropane			50.0	45.9		ug/kg		92	65 - 139	0.8	50
1,3,5-Trimethylbenzene			50.0	53.0		ug/kg		106	78 - 138	5	50
1,2,4-Trimethylbenzene			50.0	52.7		ug/kg		105	77 - 139	6	50
Vinyl chloride			50.0	45.5		ug/kg		91	47 - 136	3	50
Xylenes, total			150	156		ug/kg		104	80 - 137	4	50

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*93*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8	*97*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*

Lab Sample ID: 11L4977-MS1 — **Client Sample ID: SO-7**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U022870 — **Prep Batch: 11L4977_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits		
Acetone	ND		0.343	0.300		mg/kg dry	☼	87	19 - 175		
Benzene	ND		0.0687	0.0488		mg/kg dry	☼	71	31 - 143		
Bromobenzene	ND		0.0687	0.0496		mg/kg dry	☼	72	12 - 157		
Bromochloromethane	ND		0.0687	0.0490		mg/kg dry	☼	71	31 - 141		
Bromodichloromethane	ND		0.0687	0.0455		mg/kg dry	☼	66	19 - 148		
Bromoform	ND		0.0687	0.0451		mg/kg dry	☼	66	10 - 165		
Bromomethane	ND		0.0687	0.0174	B	mg/kg dry	☼	25	10 - 164		
1,2-Dibromo-3-chloropropane	ND		0.0687	0.0409		mg/kg dry	☼	60	10 - 147		
2-Butanone	ND		0.343	0.182		mg/kg dry	☼	53	18 - 153		
sec-Butylbenzene	ND		0.0687	0.0481		mg/kg dry	☼	70	12 - 170		
n-Butylbenzene	ND		0.0687	0.0506		mg/kg dry	☼	74	10 - 175		
tert-Butylbenzene	ND		0.0687	0.0468		mg/kg dry	☼	68	20 - 164		
Carbon disulfide	ND		0.0687	0.0477		mg/kg dry	☼	70	32 - 144		
Carbon Tetrachloride	ND		0.0687	0.0501		mg/kg dry	☼	73	31 - 149		
Chlorobenzene	ND		0.0687	0.0528		mg/kg dry	☼	77	25 - 152		
Chlorodibromomethane	ND		0.0687	0.0497		mg/kg dry	☼	72	14 - 146		
Chloroethane	ND		0.0687	0.0504		mg/kg dry	☼	73	10 - 151		
Chloroform	ND		0.0687	0.0463		mg/kg dry	☼	67	34 - 160		
Chloromethane	ND		0.0687	0.0342		mg/kg dry	☼	50	10 - 156		
2-Chlorotoluene	ND		0.0687	0.0507		mg/kg dry	☼	74	20 - 156		
4-Chlorotoluene	ND		0.0687	0.0539		mg/kg dry	☼	79	17 - 159		
1,2-Dibromoethane (EDB)	ND		0.0687	0.0467		mg/kg dry	☼	68	18 - 156		
Dibromomethane	ND		0.0687	0.0443		mg/kg dry	☼	64	20 - 146		
1,4-Dichlorobenzene	ND	L	0.0687	0.0629		mg/kg dry	☼	92	11 - 159		
1,3-Dichlorobenzene	ND	L	0.0687	0.0603		mg/kg dry	☼	88	10 - 162		
1,2-Dichlorobenzene	ND		0.0687	0.0563		mg/kg dry	☼	82	10 - 160		
Dichlorodifluoromethane	ND		0.0687	0.0392		mg/kg dry	☼	57	10 - 143		
1,1-Dichloroethane	ND		0.0687	0.0475		mg/kg dry	☼	69	42 - 136		

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-MS1 | **Client Sample ID: SO-7**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: U022870 | **Prep Batch: 11L4977_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	ND		0.0687	0.0423		mg/kg dry	☼	62	28 - 138
cis-1,2-Dichloroethene	0.00169	J	0.0687	0.0478		mg/kg dry	☼	67	36 - 139
1,1-Dichloroethene	ND		0.0687	0.0494		mg/kg dry	☼	72	41 - 143
trans-1,2-Dichloroethene	ND		0.0687	0.0490		mg/kg dry	☼	71	39 - 140
1,3-Dichloropropane	ND		0.0687	0.0459		mg/kg dry	☼	67	22 - 148
1,2-Dichloropropane	ND		0.0687	0.0447		mg/kg dry	☼	65	20 - 146
2,2-Dichloropropane	ND		0.0687	0.0484		mg/kg dry	☼	70	33 - 148
cis-1,3-Dichloropropene	ND		0.0687	0.0512		mg/kg dry	☼	75	15 - 166
trans-1,3-Dichloropropene	ND		0.0687	0.0476		mg/kg dry	☼	69	10 - 157
1,1-Dichloropropene	ND		0.0687	0.0490		mg/kg dry	☼	71	38 - 145
Ethylbenzene	ND		0.0687	0.0501		mg/kg dry	☼	73	23 - 161
Hexachlorobutadiene	ND		0.0687	0.0438		mg/kg dry	☼	64	10 - 171
2-Hexanone	ND		0.343	0.180		mg/kg dry	☼	52	10 - 169
Isopropylbenzene	ND		0.0687	0.0542		mg/kg dry	☼	79	23 - 181
p-Isopropyltoluene	ND		0.0687	0.0503		mg/kg dry	☼	73	12 - 168
Methyl tert-Butyl Ether	ND		0.0687	0.0432		mg/kg dry	☼	63	28 - 141
Methylene Chloride	ND		0.0687	0.195	M7	mg/kg dry	☼	284	24 - 182
4-Methyl-2-pentanone	ND		0.343	0.191		mg/kg dry	☼	56	10 - 168
Naphthalene	ND		0.0687	0.0445		mg/kg dry	☼	65	10 - 176
n-Propylbenzene	ND		0.0687	0.0514		mg/kg dry	☼	75	19 - 162
Styrene	ND		0.0687	0.0476		mg/kg dry	☼	69	10 - 165
1,1,1,2-Tetrachloroethane	ND		0.0687	0.0500		mg/kg dry	☼	73	19 - 158
1,1,2,2-Tetrachloroethane	ND		0.0687	0.0426		mg/kg dry	☼	62	10 - 162
Tetrachloroethene	ND		0.0687	0.0615		mg/kg dry	☼	90	33 - 161
Toluene	ND		0.0687	0.0522		mg/kg dry	☼	76	30 - 155
1,2,3-Trichlorobenzene	ND	L	0.0687	0.0597		mg/kg dry	☼	87	10 - 157
1,2,4-Trichlorobenzene	ND	L	0.0687	0.0715		mg/kg dry	☼	104	10 - 167
1,1,2-Trichloroethane	ND		0.0687	0.0458		mg/kg dry	☼	67	19 - 157
1,1,1-Trichloroethane	ND		0.0687	0.0487		mg/kg dry	☼	71	35 - 149
Trichloroethene	ND		0.0687	0.0539		mg/kg dry	☼	78	27 - 153
Trichlorofluoromethane	ND		0.0687	0.0476		mg/kg dry	☼	69	25 - 137
1,2,3-Trichloropropane	ND		0.0687	0.0398		mg/kg dry	☼	58	10 - 157
1,3,5-Trimethylbenzene	ND		0.0687	0.0508		mg/kg dry	☼	74	18 - 164
1,2,4-Trimethylbenzene	ND		0.0687	0.0500		mg/kg dry	☼	73	14 - 165
Vinyl chloride	ND		0.0687	0.0473		mg/kg dry	☼	69	20 - 141
Xylenes, total	ND		0.206	0.156		mg/kg dry	☼	76	25 - 162

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*87*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8	*96*		*70 - 130*
4-Bromofluorobenzene	*97*		*70 - 130*

Lab Sample ID: 11L4977-MSD1 | **Client Sample ID: SO-7**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: U022870 | **Prep Batch: 11L4977_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.348	0.321		mg/kg dry	☼	92	19 - 175	7	50

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-MSD1 | **Client Sample ID: SO-7**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: U022870 | **Prep Batch: 11L4977_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0697	0.0546		mg/kg dry	☼	78	31 - 143	11	50
Bromobenzene	ND		0.0697	0.0561		mg/kg dry	☼	81	12 - 157	12	50
Bromochloromethane	ND		0.0697	0.0554		mg/kg dry	☼	80	31 - 141	12	50
Bromodichloromethane	ND		0.0697	0.0532		mg/kg dry	☼	76	19 - 148	16	50
Bromoform	ND		0.0697	0.0524		mg/kg dry	☼	75	10 - 165	15	50
Bromomethane	ND		0.0697	0.0280	B	mg/kg dry	☼	40	10 - 164	47	50
1,2-Dibromo-3-chloropropane	ND		0.0697	0.0472		mg/kg dry	☼	68	10 - 147	14	50
2-Butanone	ND		0.348	0.222		mg/kg dry	☼	64	18 - 153	19	50
sec-Butylbenzene	ND		0.0697	0.0548		mg/kg dry	☼	79	12 - 170	13	50
n-Butylbenzene	ND		0.0697	0.0581		mg/kg dry	☼	83	10 - 175	14	50
tert-Butylbenzene	ND		0.0697	0.0544		mg/kg dry	☼	78	20 - 164	15	50
Carbon disulfide	ND		0.0697	0.0543		mg/kg dry	☼	78	32 - 144	13	50
Carbon Tetrachloride	ND		0.0697	0.0580		mg/kg dry	☼	83	31 - 149	15	50
Chlorobenzene	ND		0.0697	0.0570		mg/kg dry	☼	82	25 - 152	8	50
Chlorodibromomethane	ND		0.0697	0.0539		mg/kg dry	☼	77	14 - 146	8	50
Chloroethane	ND		0.0697	0.0566		mg/kg dry	☼	81	10 - 151	11	50
Chloroform	ND		0.0697	0.0517		mg/kg dry	☼	74	34 - 160	11	49
Chloromethane	ND		0.0697	0.0382		mg/kg dry	☼	55	10 - 156	11	50
2-Chlorotoluene	ND		0.0697	0.0565		mg/kg dry	☼	81	20 - 156	11	50
4-Chlorotoluene	ND		0.0697	0.0604		mg/kg dry	☼	87	17 - 159	11	50
1,2-Dibromoethane (EDB)	ND		0.0697	0.0519		mg/kg dry	☼	74	18 - 156	11	50
Dibromomethane	ND		0.0697	0.0517		mg/kg dry	☼	74	20 - 146	15	50
1,4-Dichlorobenzene	ND	L	0.0697	0.0702		mg/kg dry	☼	101	11 - 159	11	50
1,3-Dichlorobenzene	ND	L	0.0697	0.0678		mg/kg dry	☼	97	10 - 162	12	50
1,2-Dichlorobenzene	ND		0.0697	0.0635		mg/kg dry	☼	91	10 - 160	12	50
Dichlorodifluoromethane	ND		0.0697	0.0452		mg/kg dry	☼	65	10 - 143	14	50
1,1-Dichloroethane	ND		0.0697	0.0532		mg/kg dry	☼	76	42 - 136	11	50
1,2-Dichloroethane	ND		0.0697	0.0480		mg/kg dry	☼	69	28 - 138	13	50
cis-1,2-Dichloroethene	0.00169	J	0.0697	0.0541		mg/kg dry	☼	75	36 - 139	12	50
1,1-Dichloroethene	ND		0.0697	0.0561		mg/kg dry	☼	81	41 - 143	13	50
trans-1,2-Dichloroethene	ND		0.0697	0.0550		mg/kg dry	☼	79	39 - 140	12	50
1,3-Dichloropropane	ND		0.0697	0.0502		mg/kg dry	☼	72	22 - 148	9	42
1,2-Dichloropropane	ND		0.0697	0.0498		mg/kg dry	☼	71	20 - 146	11	50
2,2-Dichloropropane	ND		0.0697	0.0548		mg/kg dry	☼	79	33 - 148	12	50
cis-1,3-Dichloropropene	ND		0.0697	0.0559		mg/kg dry	☼	80	15 - 166	9	50
trans-1,3-Dichloropropene	ND		0.0697	0.0526		mg/kg dry	☼	75	10 - 157	10	50
1,1-Dichloropropene	ND		0.0697	0.0580		mg/kg dry	☼	83	38 - 145	17	50
Ethylbenzene	ND		0.0697	0.0547		mg/kg dry	☼	79	23 - 161	9	50
Hexachlorobutadiene	ND		0.0697	0.0528		mg/kg dry	☼	76	10 - 171	19	50
2-Hexanone	ND		0.348	0.208		mg/kg dry	☼	60	10 - 169	14	50
Isopropylbenzene	ND		0.0697	0.0592		mg/kg dry	☼	85	23 - 181	9	50
p-Isopropyltoluene	ND		0.0697	0.0578		mg/kg dry	☼	83	12 - 168	14	50
Methyl tert-Butyl Ether	ND		0.0697	0.0496		mg/kg dry	☼	71	28 - 141	14	50
Methylene Chloride	ND		0.0697	0.186	M7	mg/kg dry	☼	267	24 - 182	5	50
4-Methyl-2-pentanone	ND		0.348	0.214		mg/kg dry	☼	61	10 - 168	11	50
Naphthalene	ND		0.0697	0.0517		mg/kg dry	☼	74	10 - 176	15	50
n-Propylbenzene	ND		0.0697	0.0575		mg/kg dry	☼	83	19 - 162	11	50
Styrene	ND		0.0697	0.0516		mg/kg dry	☼	74	10 - 165	8	50
1,1,1,2-Tetrachloroethane	ND		0.0697	0.0550		mg/kg dry	☼	79	19 - 158	10	50
1,1,2,2-Tetrachloroethane	ND		0.0697	0.0501		mg/kg dry	☼	72	10 - 162	16	50

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L4977-MSD1 — **Client Sample ID: SO-7**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U022870 — **Prep Batch: 11L4977_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		0.0697	0.0674		mg/kg dry	☼	97	33 - 161	9	50
Toluene	ND		0.0697	0.0557		mg/kg dry	☼	80	30 - 155	7	50
1,2,3-Trichlorobenzene	ND	L	0.0697	0.0697		mg/kg dry	☼	100	10 - 157	15	50
1,2,4-Trichlorobenzene	ND	L	0.0697	0.0817		mg/kg dry	☼	117	10 - 167	13	50
1,1,2-Trichloroethane	ND		0.0697	0.0503		mg/kg dry	☼	72	19 - 157	9	50
1,1,1-Trichloroethane	ND		0.0697	0.0551		mg/kg dry	☼	79	35 - 149	12	50
Trichloroethene	ND		0.0697	0.0614		mg/kg dry	☼	88	27 - 153	13	50
Trichlorofluoromethane	ND		0.0697	0.0535		mg/kg dry	☼	77	25 - 137	12	50
1,2,3-Trichloropropane	ND		0.0697	0.0462		mg/kg dry	☼	66	10 - 157	15	50
1,3,5-Trimethylbenzene	ND		0.0697	0.0565		mg/kg dry	☼	81	18 - 164	11	50
1,2,4-Trimethylbenzene	ND		0.0697	0.0562		mg/kg dry	☼	81	14 - 165	12	50
Vinyl chloride	ND		0.0697	0.0532		mg/kg dry	☼	76	20 - 141	12	50
Xylenes, total	ND		0.209	0.170		mg/kg dry	☼	81	25 - 162	9	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*91*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8	*96*		*70 - 130*
4-Bromofluorobenzene	*98*		*70 - 130*

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11L6272-DUP1 — **Client Sample ID: SO-7**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 11L6272 — **Prep Batch: 11L6272_P**

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	72.9			73.7		%				1	20

QC Association Summary

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

GCMS Volatiles

Analysis Batch: U022870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4977-BLK1	Method Blank	Total	Soil	SW846 8260B	11L4977_P
11L4977-BLK2	Method Blank	Total	Soil	SW846 8260B	11L4977_P
11L4977-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L4977_P
11L4977-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8260B	11L4977_P
11L4977-MS1	SO-7	Total	Soil	SW846 8260B	11L4977_P
11L4977-MSD1	SO-7	Total	Soil	SW846 8260B	11L4977_P
NVL2787-01	SO-7	Total	Soil	SW846 8260B	11L4977_P
NVL2787-02	SO-7D	Total	Soil	SW846 8260B	11L4977_P
NVL2787-03	SO-8	Total	Soil	SW846 8260B	11L4977_P
NVL2787-04	SO-9	Total	Soil	SW846 8260B	11L4977_P

Prep Batch: 11L4977_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L4977-BLK1	Method Blank	Total	Soil	EPA 5035	
11L4977-BLK2	Method Blank	Total	Soil	EPA 5035	
11L4977-BS1	Lab Control Sample	Total	Soil	EPA 5035	
11L4977-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035	
11L4977-MS1	SO-7	Total	Soil	EPA 5035	
11L4977-MSD1	SO-7	Total	Soil	EPA 5035	
NVL2787-01	SO-7	Total	Soil	EPA 5035	
NVL2787-02	SO-7D	Total	Soil	EPA 5035	
NVL2787-03	SO-8	Total	Soil	EPA 5035	
NVL2787-04	SO-9	Total	Soil	EPA 5035	

Extractions

Analysis Batch: 11L6272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L6272-DUP1	SO-7	Total	Soil	SW-846	11L6272_P
NVL2787-01	SO-7	Total	Soil	SW-846	11L6272_P
NVL2787-02	SO-7D	Total	Soil	SW-846	11L6272_P
NVL2787-03	SO-8	Total	Soil	SW-846	11L6272_P
NVL2787-04	SO-9	Total	Soil	SW-846	11L6272_P

Prep Batch: 11L6272_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L6272-DUP1	SO-7	Total	Soil	% Solids	
NVL2787-01	SO-7	Total	Soil	% Solids	
NVL2787-02	SO-7D	Total	Soil	% Solids	
NVL2787-03	SO-8	Total	Soil	% Solids	
NVL2787-04	SO-9	Total	Soil	% Solids	

Lab Chronicle

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Client Sample ID: SO-7

Lab Sample ID: NVL2787-01
Date Collected: 12/16/11 00:01
Matrix: Soil
Date Received: 12/19/11 08:15
Percent Solids: 72.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.907	11L4977_P	12/16/11 00:01	GLN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022870	12/28/11 15:01	MJH /	TAL NSH
Total	Prep	% Solids		1.00	11L6272_P	12/27/11 10:54	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L6272	12/28/11 09:26	RRS	TAL NSH

Client Sample ID: SO-7D

Lab Sample ID: NVL2787-02
Date Collected: 12/16/11 00:01
Matrix: Soil
Date Received: 12/19/11 08:15
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.874	11L4977_P	12/16/11 00:01	GLN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022870	12/28/11 15:29	MJH /	TAL NSH
Total	Prep	% Solids		1.00	11L6272_P	12/27/11 10:54	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L6272	12/28/11 09:26	RRS	TAL NSH

Client Sample ID: SO-8

Lab Sample ID: NVL2787-03
Date Collected: 12/16/11 00:01
Matrix: Soil
Date Received: 12/19/11 08:15
Percent Solids: 71.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		1.04	11L4977_P	12/16/11 00:01	GLN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022870	12/28/11 15:57	MJH /	TAL NSH
Total	Prep	% Solids		1.00	11L6272_P	12/27/11 10:54	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L6272	12/28/11 09:26	RRS	TAL NSH

Client Sample ID: SO-9

Lab Sample ID: NVL2787-04
Date Collected: 12/16/11 00:01
Matrix: Soil
Date Received: 12/19/11 08:15
Percent Solids: 75.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.843	11L4977_P	12/16/11 00:01	GLN	TAL NSH
Total	Analysis	SW846 8260B		1.00	U022870	12/28/11 16:26	MJH /	TAL NSH
Total	Prep	% Solids		1.00	11L6272_P	12/27/11 10:54	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L6272	12/28/11 09:26	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Tentatively Identified Compounds by EPA Method 8260B		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: E.C. Group, Llc (2603)
Project/Site: [none]

TestAmerica Job ID: NVL2787

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RE

NVL2787

Cooler Received/Opened On 12/17/2011 @ 0815

1. Tracking # 8468 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 3.7 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 2 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial)

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) AOW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) P.H.

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) P.H.

I certify that I attached a label with the unique LIMS number to each container (intial) P.H.

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

NVL2787
01/04/12 23:59

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
THE EC GROUP (ECG)	JSN	12/16/	194204
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
201 E. ORCHARD ST.	609-517-7532 / 609-704-9991		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
HAMMONTON / NJ / 08037	JSN		
Project Name and Location (State)	**Carrier/Waybill Number**		
PBI #150 MATTHEWS / NC			
Contract/Purchase Order/Quote No.			

	Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOCs	Special Instructions/ Conditions of Receipt
1	50-7	12/16					X							X	*PLEASE INCLUDE
2	50-7 D	↓					X							X	1,1,2,2-TCA
3	50-8						X							X	
4	50-9						X							X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: JOSEPH NICOSIA	12/16/11		1. Received By: [illegible]		
2. Relinquished By:			2. Received By: C. Bonham	12/16/11	1400
3. Relinquished By: C. Bonham	12/16/11	1720	3. Received By: Paul R. [illegible] / T/A Nash	12/17/11	08:15 3.7°C

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

APPENDIX B:

Boring Logs

BORING LOG

Equip:	GeoProbe	Date Collected: 10/12/2010	Logged By:
Core Dia:	2 Inches	Boring Number: SB-7	Joseph Nicosia

Sample	Sample ID	Recovery (%)	PID (ppm)	Depth Feet	Lithology	Description
						Concrete
			0.0			Red Clay
				5		
			0.0			
						Brown/Red Clay with Slight Organic Odor
☒	SO-7 and SO-7 Dup					Red Clay with some Tan/Brown Sand
			0.0	10		
						END OF BORING (Refusal)
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

Pep Boys Store #150
9415 East Independence Boulevard
Matthews, North Carolina

Project No.:

BORING LOG

Equip: GeoProbe	Date Collected: 10/12/2010	Logged By:
Core Dia: 2 Inches	Boring Number: SB-8	Joseph Nicosia

Sample	Sample ID	Recovery (%)	PID (ppm)	Depth Feet	Lithology	Description
						Concrete
			0.0			Red Clay
				5		
			0.0			Red Clay with some Tan/Brown Sand
☒	SO-8		0.0			
				10		END OF BORING (Refusal)
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

Pep Boys Store #150
9415 East Independence Boulevard
Matthews, North Carolina

Project No.:

BORING LOG

Equip: GeoProbe	Date Collected: 10/12/2010	Logged By:
Core Dia: 2 Inches	Boring Number: SB-9	Joseph Nicosia

Sample	Sample ID	Recovery (%)	PID (ppm)	Depth Feet	Lithology	Description
						Concrete
			0.0			Red Clay
				5		
			0.0			
						Brown/Red Clay with Slight Organic Odor
☒	SO-9					Red Clay with some Tan/Brown Sand
			0.0	10		
						END OF BORING (Refusal)
				15		
				20		
				25		
				30		
				35		

Completion Notes:

Site:

Pep Boys Store #150
9415 East Independence Boulevard
Matthews, North Carolina

Project No.:

APPENDIX C:

Certification Statements

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 1 OF 2
IHSB SITE NAME Pep Boys Store #150
DATE & NAME OF DOCUMENT January 13, 2012 / Subsurface Hydraulic Lift Remedial Investigation Update Report
TYPE OF SUBMITTAL (circle all that apply): Report, Workplan, Work Phase Comp. Statement, Schedule Change

REMEDIATING PARTY DOCUMENT CERTIFICATION STATEMENT (.0306(B)(2))

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Brian D. Zuckerman
Name of Remediating Party

PBY LEGAL OK

Signature of Remediating Party

02/07/12
Date

NOTARIZATION

Pennsylvania (Enter State)
Philadelphia **COUNTY**

I, Kelly Diane Baran, a Notary Public of said County and State, do hereby certify that Brian D. Zuckerman did personally appear and sign before me this day, ~~produced proper identification in the form of~~ personally known, was duly sworn or affirmed, and declared that, he ~~or she~~ is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his ~~or her~~ knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he ~~or she~~ then signed these Certifications in my presence.

WITNESS my hand and official seal this 7th day of February, 2012.

Kelly Diane Baran
Notary Public (signature)

(OFFICIAL SEAL)
COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Kelly Diane Baran, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Oct. 15, 2012
Member, Pennsylvania Association of Notaries

My commission expires: Oct. 15, 2012

Document Certification Form No. DC - 1
(Revised 3/11)

REC PROGRAM DOCUMENT CERTIFICATION FORM - PAGE 2 OF 2
IHSB SITE NAME PEP BOYS STORE #150 MATTHEWS, N.C.
DATE & NAME OF DOCUMENT 1.13.12 SUBSURFACE HYDRAULIC LIFT RI UPDATE REPORT
TYPE OF SUBMITTAL (circle all that apply): Report, Workplan, Work Phase Comp. Statement, Schedule Change

REGISTERED SITE MANAGER CERTIFICATION OF SIGNATURES

As the Registered Environmental Consultant for the Site for which this filing is made, I certify that the signatures included herewith are genuine and authentic original handwritten signatures and/or true, accurate, and complete copies of the genuine and authentic original handwritten signatures of the persons who purport to sign for this filing. I further certify that I have collected through reliable means the originals and/or copies of said signatures from the persons authorized to sign for this filing who, in fact, signed the originals thereof. Those persons and I understand and agree that any copies of signatures have the same legally binding effect as original handwritten signatures, and I certify that any person for whom I am submitting a copy of their signature has provided me with their express consent to submit said copy. Additionally, I certify that I am authorized to attest to the genuineness and authenticity of the signatures, both originals and any copies, being submitted herewith and that by signing below, I do in fact attest to the genuineness and authenticity of all the signatures, both originals and copies, being submitted for this filing.

PHIL RAHN
Name of Registered Site Manager

Signature of Registered Site Manager

2.13.12
Date

REGISTERED SITE MANAGER DOCUMENT CERTIFICATION STATEMENT (.0306(b)(1))

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

PHIL RAHN
Name of Registered Site Manager

Signature of Registered Site Manager

2.13.12
Date

NOTARIZATION

NC (Enter State)

WAKE **COUNTY**

I, ADAM D WAKEFIELD, a Notary Public of said County and State, do hereby certify that PHIL RAHN did personally appear and sign before me this day, produced proper identification in the form of NCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certifications is true and accurate, and he or she then signed these Certifications in my presence.

WITNESS my hand and official seal this 13th day of FEB, 2012.

Notary Public (signature)

(OFFICIAL SEAL)

ADAM D WAKEFIELD NOTARY PUBLIC WAKE COUNTY, N.C.

My commission expires: 12/28/2013

Document Certification Form No. DC - II
(Revised 3/11)

COMBINED REMEDIAL INVESTIGATION & REMEDIAL ACTION COMPLETION CERTIFICATION
"FOR NO ACTION REMEDY"
15A NCAC 13C.0306(b)(5)(B) AND (E)

Media (check all that apply): ☐ All Media ☒ Soil ☐ Ground water ☐ Surface water ☐ Sediment

Site Name PEP BOYS STORE #150 Street Address 9415 EAST INDEPENDENCE BLV.
County MECKLENBURG MATTHEWS, N.C.
Site ID No. NCD 002801

The remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and WATERS EDGE ENVIRONMENTAL [REC Name]
is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.

This Combined Remedial Investigation and Remedial Action Completion Certification constitutes a "no action remedy" site remedial action plan for purposes of 15A NCAC 13C. 0306(b)(6). This approved and certified site remedial action plan has been implemented, and to the best of my knowledge and belief, cleanup levels determined pursuant to Rule .0308 of this Section have been achieved, and no significant or otherwise unacceptable risk or harm to human health or the environment remains at the site.

RSM Signature — Date: 2.13.12
RSM Name: PHIL RAHN
REC Name: WATERS EDGE ENVIRONMENTAL — Mailing Address: 4901 WATERS EDGE DR., SUITE 201
REC No.: 94 — City, State, ZIP: RALEIGH, N.C. 27606

NOTARIZATION

NC (Enter State)

WAKE **COUNTY**

I, ADAM D. WAKEFIELD, a Notary Public of said County and State, do hereby certify that PHIL RAHN did personally appear and sign before me this day, produced proper identification in the form of NCDL, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 13th day of FEB, 2012.

Notary Public (signature) (OFFICIAL SEAL)

ADAM D WAKEFIELD NOTARY PUBLIC WAKE COUNTY, N.C.

My commission expires: 12/28/2013

Work Phase Completion Form No. WPC – VIII
(Revised 3/11)