Soil Pile Sampling Results
CMU Water Main Relocation

1108 – 1200 South Boulevard
Charlotte, North Carolina

DENR Brownfields Project No. 11045-07-60
H&H Job No. SBL-002
July 2, 2012

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

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Sent via Email and US Mail

July 2, 2012

1200 South Blvd, LLC
c/o RKM Resources, PLLC
1600 Camden Rd
Charlotte, NC. 28203

Attn: Mr. Randy Martin

Re: Soil Pile A, B and C Sampling Results
CMU Waterline Relocation
Charlotte Chemical Laboratory Brownfields Site
DENR Brownfields Project No. 11045-07-60
1108-1200 South Boulevard
Charlotte, North Carolina
H&H Job No. SBL-002

Dear Randy:

1.0 Introduction

This letter report presents the results of soil sampling recently conducted by Hart & Hickman, PC (H&H), at the former Charlotte Chemical Laboratory Brownfields site located at 1108-1200 South Boulevard in Charlotte, North Carolina. The purpose of our sampling activities was to characterize soil in Soil Piles A, B, and C generated during recent Charlotte Mecklenburg Utility (CMU) water line relocation activities prior to relocation or disposal in general accordance with the Soil Management Plan prepared by H&H for the Water Line Project and dated December 15, 2011. A site location map is provided as Figure 1, and the locations of the soil samples are indicated on Figure 2. A summary of the Soil Pile sampling activities is summarized in the following sections.

2.0 Soil Pile Sampling Activities

Soil Pile A

On May 16, 2012, H&H mobilized to the site to collect composite soil samples from Soil Pile "A". At the time of the site visit, the soil pile measured approximately 136 ft (long) x 65 ft (wide) x 6 ft (high) and H&H estimated the soil pile contained approximately 1,000 cubic yards of soil. In general accordance with North Carolina Department of Environment and Natural Resources (DENR) Division of Waste Management guidance, H&H divided the soil pile into four separate areas of roughly similar volume (approximately 250 cubic yards per area). Within each separate area H&H collected one grab sample for laboratory analysis. The samples were collected using a decontaminated stainless steel hand auger at depths advanced into the soil pile ranging between two feet and five feet.

The grab soil samples were then placed into preserved laboratory-supplied jars and analyzed for volatile organic compounds (VOCs) by EPA Method 8260B and polynuclear aromatic hydrocarbons (PAHs) by EPA Method 8270D. VOCs and PAHs were chosen as the analytes consistent with the *Soil Management Plan (H&H, Rev 1, December 15, 2011).* As described in the SMP, past sampling in the subject portion of the site revealed metals were consistent with background and not above levels of concern for commercial use in the subject water main construction area.

Soil Piles B & C

On June 6, 2012, H&H mobilized to the site to sample Soil Piles B and C. These two smaller piles of 30 to 50 tons each were staged on the subject property in the hopes that they could be used as fill on the Brownfield property. These soils originated from excavation in the median of South Boulevard. The two piles were sampled on June 6, 2012 via decontaminated stainless steel hand auger grab samples at depths of 4 ft to 5 ft into the piles at locations shown on Figure 2 (SP-5 from Soil Pile B and SP-6 from Soil Pile C).

The grab samples were collected and placed into preserved laboratory-supplied jars and analyzed for VOCs and PAHs (metals were not of concern since these soils came from off-site).

3.0 Results

Soil Pile A

The results of the Soil Pile A samples are summarized in Table 1, and the laboratory data sheets are provided in Appendix A. As indicated in Table 1, soil pile samples SP-1 and SP-3 collected from the northwestern and southeastern portions of the soil pile, respectively, did not contain detectable concentrations of VOCs or PAHs above their respective DENR Inactive Hazardous Sites Branch (IHSB) Preliminary *Residential* Health-Based Soil Remediation Goals (SRGs). In the Soil Management Plan, H&H determined that the IHSB Preliminary Residential Health-Based SRGs will be the soil remedial goals.

Soil pile samples SP-2 and SP-4 collected from the southwestern and northeastern portions of the soil pile, respectively, contained PAHs at concentrations above their respective soil remedial goals. In addition, the soil pile sample collected from the SP-2 location reported benzo(a)pyrene at a concentration above its DENR IHSB Preliminary *Industrial* Health-Based SRG. VOCs were not detected at concentrations above their soil remedial goals in soil pile samples SP-2 and SP-4.

Soil Piles B & C

The laboratory results for these samples (summarized in Table 1 and laboratory data sheets provided in Appendix A) indicate no detections of VOCs or PAHs, except one minor detection of acetone in Soil Pile B (SP-5) below IHSB screening levels.

4.0 Recommendations

Soil Pile A Recommendation

Subsequent to sampling, the eastern half of Soil Pile A, where no impacts above commercial IHSB screening levels were detected, was graded to allow the soil to dry so it could be placed into open excavations on the portion of the site where utility construction has been performed. After drying, it was used for fill in the on-site utility construction area. With DENR concurrence, H&H recommends these soils will be dealt with during site redevelopment as described in the Brownfield agreement using the post-development sampling requirements for exposed soils.

The western portion of the pile where SB-2 indicated an exceedance of the commercial IHSB screening level remains in the pile at this time. Consistent with the approved SMP, H&H recommends seeking DENR's approval to place the soil from the SB-2 sample location into an excavation area under the former Palmer Street (which is within the Brownfield property limits) and cover it with 2 ft of clean fill. This area is designated for substantial paving and building slab construction and will be managed during redevelopment consistent with the Brownfield agreement.

Soil Pile B & C Recommendation

With DENR concurrence H&H proposes that the construction contractor be allowed to use these soils as needed on site for fill purposes, or off-site if they cannot be accommodated on site or if there is a need for them off-site.

We appreciate the opportunity to assist with this project. Should you have any questions or need additional information, please do not hesitate to call us at (704) 586-0007.

Sincerely,

Hart & Hickman, PC

Matt Ingalls
Project Manager

Bruce Hickman, PE
Principal Engineer

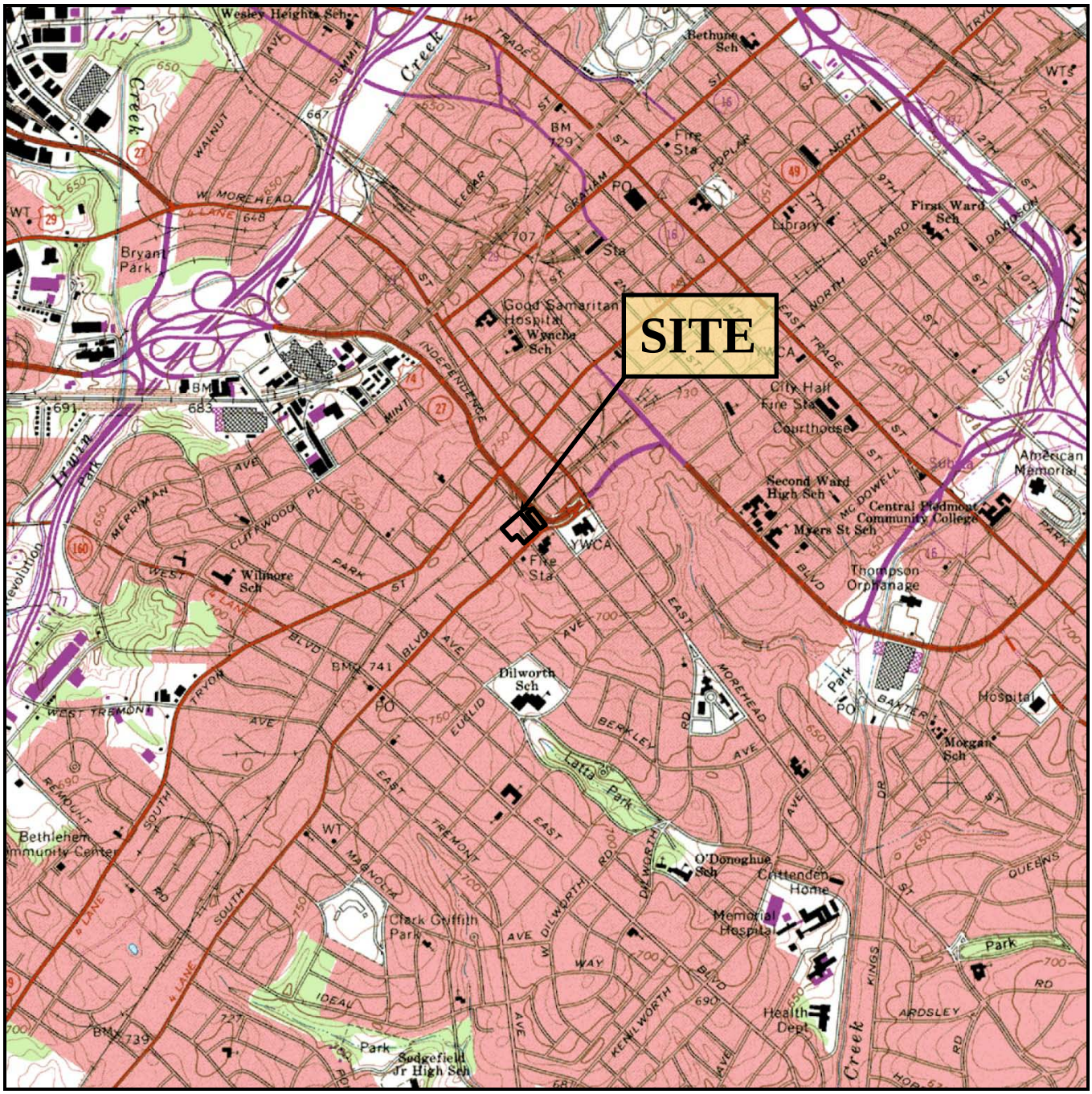
Attachments

cc: Carolyn Minnich, NCDENR Brownfields Section
Dave Franchina, K&L Gates LLP

Table 1 (Page 1 of 1)
Soil Pile "A" Sample Results
Charlotte Chemical Laboratory Site
Charlotte, North Carolina
H&H Job No. SBL-002

Sample ID	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6	Screening Criteria[1]		
Depth (ft bgs)	2.5-4	4-5	2-3	3-4	4-5	4-5			
Sample Date	5/16/2012	5/16/2012	5/16/2012	5/16/2012	6/6/2012	6/6/2012	Protection of Ground Water	Residential	Industrial
Units	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
VOCs (8260B)									
Acetone	<0.0587	0.113	<0.0603	<0.0545	0.117	<0.0418	24	12,000	100,000
PAHs (8270D)									
Acenaphthene	<0.0807	0.0894	<0.0795	<0.0771	<0.0851	<0.0783	8.4	680	6,600
Anthracene	<0.0807	0.252	<0.0795	<0.0771	<0.0851	<0.0783	660	3,400	34,000
Benzo(a)anthracene	<0.0807	***0.740***	<0.0795	0.104	<0.0851	<0.0783	0.18	0.15	2.1
Benzo(a)pyrene	<0.0807	***0.626***	<0.0795	***0.122***	<0.0851	<0.0783	0.059	0.015	0.21
Benzo(b)fluroanthene	<0.0807	***0.615***	<0.0795	0.111	<0.0851	<0.0783	0.60	0.15	2.1
Benzo(g,h,i)perylene	<0.0807	0.339	<0.0795	0.0852	<0.0851	<0.0783	7,800	NS	NS
Benzo(k)fluoranthene	<0.0807	0.520	<0.0795	0.0848	<0.0851	<0.0783	5.9	1.5	210
Chrysene	<0.0807	0.744	<0.0795	0.113	<0.0851	<0.0783	18	15	210
Dibenz(a,h)anthracene	<0.0807	**0.133**	<0.0795	<0.0771	<0.0851	<0.0783	0.19	0.015	0.21
Fluoranthene	<0.0807	1.61	0.0854	0.171	<0.0851	<0.0783	330	460	4,400
Fluorene	<0.0807	0.0905	<0.0795	<0.0771	<0.0851	<0.0783	56	460	4,400
Indeno(1,2,3-cd)pyrene	<0.0807	**0.310**	<0.0795	<0.0771	<0.0851	<0.0783	2	0.15	2.1
Phenathrene	<0.0807	1.06	<0.0795	<0.0771	<0.0851	<0.0783	68	NS	NS
Pyrene	<0.0807	1.27	<0.0795	0.191	<0.0851	<0.0783	NS	3.2	11

Notes:
1) Inactive Hazardous Sites Branch (IHSB) Preliminary Soil Remediation Goals (PSRG) (February 2012)
Only those compounds detected in at least one sample shown above
Bold indicates an exceedance of the Preliminary Residential Health-based Soil Remediation Goal screening level
Underlined indicates an exceedance of the Preliminary Industrial Health-based Soil Remediation Goal screening level
Italics indicates an exceedance of the Protection of Groundwater PSRG screening level
Method number follows parameter in parenthesis
VOCs = volatile organic compounds
PAHs = polynuclear aromatic hydrocarbons
NS = screening criteria not specified
mg/kg = milligrams per kilogram



N

APPROXIMATE

0 2000 4000

SCALE IN FEET

U.S.G.S. QUADRANGLE MAP

CHARLOTTE EAST, NC 1967
PHOTOREVISED 1988

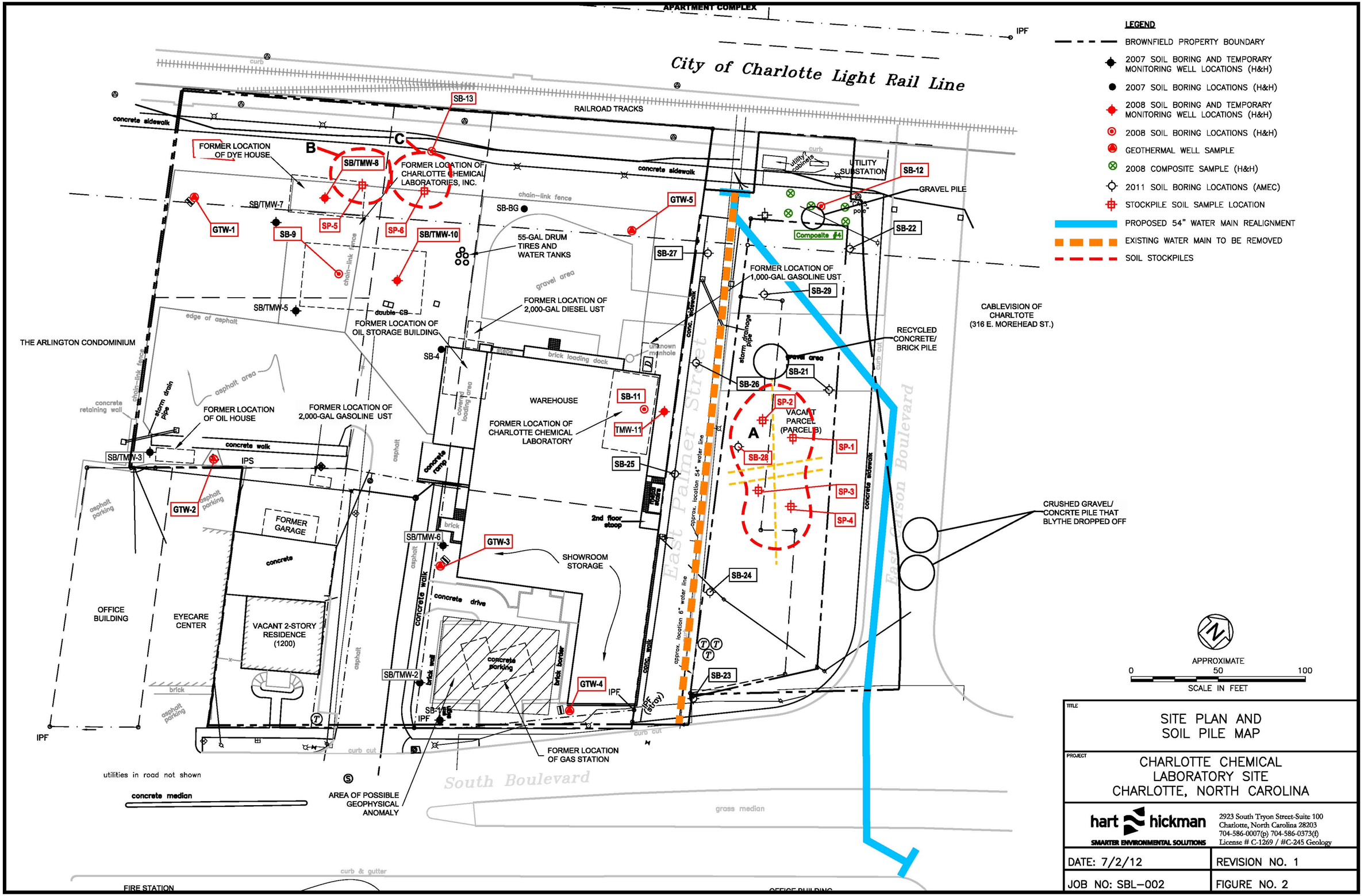
QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE
SITE LOCATION MAP

PROJECT
CHARLOTTE CHEMICAL LABORATORY SITE
CHARLOTTE, NORTH CAROLINA

Hart & Hickman
A Professional Corporation
2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007 (p) 704-586-0373 (f)

DATE:	11-18-2011	REVISION NO:	0
JOB NO:	SBL-002	FIGURE NO:	1



TITLE

SITE PLAN AND SOIL PILE MAP

PROJECT

CHARLOTTE CHEMICAL LABORATORY SITE
CHARLOTTE, NORTH CAROLINA

hart hickman
SMARTER ENVIRONMENTAL SOLUTIONS

2923 South Tryon Street-Suite 100
Charlotte, North Carolina 28203
704-586-0007(p) 704-586-0373(f)
License # C-1269 / #C-245 Geology

DATE: 7/2/12	REVISION NO. 1
JOB NO: SBL-002	FIGURE NO. 2

S:\AAA-Master Projects\South Blvd., LLC (1200) - SBL-0011\SBL-002 Water Line Realignment Soil Management Plan\PROPOSED WATER MAIN ALIGNMENT AND SOIL PILES.dwg, Layout1, 7/2/2012 11:38:50 AM, jshumaker

Appendix A

Laboratory Analytical Results

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: NWE2093
Client Project/Site: SBI-002
Client Project Description: 1200 South Blvd

For:
Hart & Hickman (2162)
2923 South Tryon Street, Suite 100
Charlotte, NC 28203-5449

Attn: Matt Ingalls

Roxanne L. Connor

Authorized for release by:
5/24/2012 5:03:20 PM
Roxanne Connor
Program Manager - Conventional Accounts
roxanne.connor@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWE2093-01	SP-1 (2.5-4)	Soil	05/16/12 12:05	05/17/12 08:30
NWE2093-02	SP-2 (4-5)	Soil	05/16/12 12:20	05/17/12 08:30
NWE2093-03	SP-3 (2-3)	Soil	05/16/12 12:35	05/17/12 08:30
NWE2093-04	SP-4 (3-4)	Soil	05/16/12 12:45	05/17/12 08:30
NWE2093-05	Trip Blank	Water	05/16/12 00:00	05/17/12 08:30

Definitions/Glossary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
B	Analyte was detected in the associated Method Blank.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

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: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-1 (2.5-4)

Date Collected: 05/16/12 12:05
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-01

Matrix: Soil
Percent Solids: 81

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Benzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Bromobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Bromochloromethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Bromodichloromethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Bromoform	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Bromomethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dibromo-3-chloropropane	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
2-Butanone	ND		0.0587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
sec-Butylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
n-Butylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
tert-Butylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Carbon disulfide	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Carbon Tetrachloride	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Chlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Chlorodibromomethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Chloroethane	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Chloroform	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Chloromethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
2-Chlorotoluene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
4-Chlorotoluene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dibromoethane (EDB)	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Dibromomethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,4-Dichlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,3-Dichlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dichlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Dichlorodifluoromethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1-Dichloroethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dichloroethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
cis-1,2-Dichloroethene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1-Dichloroethene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
trans-1,2-Dichloroethene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,3-Dichloropropane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dichloropropane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
2,2-Dichloropropane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
cis-1,3-Dichloropropene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
trans-1,3-Dichloropropene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1-Dichloropropene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Ethylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Hexachlorobutadiene	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
2-Hexanone	ND		0.0587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Isopropylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
p-Isopropyltoluene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Methyl tert-Butyl Ether	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Methylene Chloride	ND		0.0117		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
4-Methyl-2-pentanone	ND		0.0587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Naphthalene	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
n-Propylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Styrene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1,1,2-Tetrachloroethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1,2,2-Tetrachloroethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-1 (2.5-4)

Date Collected: 05/16/12 12:05
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-01

Matrix: Soil
Percent Solids: 81

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Toluene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2,3-Trichlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2,4-Trichlorobenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1,2-Trichloroethane	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,1,1-Trichloroethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Trichloroethene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Trichlorofluoromethane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2,3-Trichloropropane	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,3,5-Trimethylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2,4-Trimethylbenzene	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Vinyl chloride	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Xylenes, total	ND		0.00587		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
Diisopropyl Ether	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00
1,2-Dichloroethene (total)	ND		0.00235		mg/kg dry	☼	05/16/12 12:05	05/22/12 01:53	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*05/16/12 12:05*	*05/22/12 01:53*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*05/16/12 12:05*	*05/22/12 01:53*	*1.00*
Toluene-d8	*102*		*70 - 130*	*05/16/12 12:05*	*05/22/12 01:53*	*1.00*
4-Bromofluorobenzene	*94*		*70 - 130*	*05/16/12 12:05*	*05/22/12 01:53*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Acenaphthylene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Anthracene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Benzo (a) anthracene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Benzo (a) pyrene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Benzo (b) fluoranthene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Benzo (g,h,i) perylene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Benzo (k) fluoranthene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Chrysene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Dibenz (a,h) anthracene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Fluoranthene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Fluorene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Naphthalene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Phenanthrene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00
Pyrene	ND		0.0807		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:20	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*73*		*18 - 120*	*05/18/12 12:27*	*05/20/12 00:20*	*1.00*
2-Fluorobiphenyl	*59*		*14 - 120*	*05/18/12 12:27*	*05/20/12 00:20*	*1.00*
Nitrobenzene-d5	*52*		*17 - 120*	*05/18/12 12:27*	*05/20/12 00:20*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**81.0**		0.500		%		05/19/12 12:00	05/19/12 12:43	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-2 (4-5)

Date Collected: 05/16/12 12:20
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-02

Matrix: Soil
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.113**		0.0563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Benzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Bromobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Bromochloromethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Bromodichloromethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Bromoform	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Bromomethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dibromo-3-chloropropane	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
2-Butanone	ND		0.0563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
sec-Butylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
n-Butylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
tert-Butylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Carbon disulfide	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Carbon Tetrachloride	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Chlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Chlorodibromomethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Chloroethane	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Chloroform	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Chloromethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
2-Chlorotoluene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
4-Chlorotoluene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dibromoethane (EDB)	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Dibromomethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,4-Dichlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,3-Dichlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dichlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Dichlorodifluoromethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1-Dichloroethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dichloroethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
cis-1,2-Dichloroethene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1-Dichloroethene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
trans-1,2-Dichloroethene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,3-Dichloropropane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dichloropropane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
2,2-Dichloropropane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
cis-1,3-Dichloropropene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
trans-1,3-Dichloropropene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1-Dichloropropene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Ethylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Hexachlorobutadiene	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
2-Hexanone	ND		0.0563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Isopropylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
p-Isopropyltoluene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Methyl tert-Butyl Ether	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Methylene Chloride	ND		0.0113		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
4-Methyl-2-pentanone	ND		0.0563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Naphthalene	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
n-Propylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Styrene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1,1,2-Tetrachloroethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1,2,2-Tetrachloroethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-2 (4-5)

Date Collected: 05/16/12 12:20
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-02

Matrix: Soil
Percent Solids: 88.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Toluene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2,3-Trichlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2,4-Trichlorobenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1,2-Trichloroethane	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,1,1-Trichloroethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Trichloroethene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Trichlorofluoromethane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2,3-Trichloropropane	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,3,5-Trimethylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2,4-Trimethylbenzene	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Vinyl chloride	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Xylenes, total	ND		0.00563		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
Diisopropyl Ether	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00
1,2-Dichloroethene (total)	ND		0.00225		mg/kg dry	☼	05/16/12 12:20	05/22/12 02:23	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*101*		*70 - 130*	*05/16/12 12:20*	*05/22/12 02:23*	*1.00*
Dibromofluoromethane	*96*		*70 - 130*	*05/16/12 12:20*	*05/22/12 02:23*	*1.00*
Toluene-d8	*105*		*70 - 130*	*05/16/12 12:20*	*05/22/12 02:23*	*1.00*
4-Bromofluorobenzene	*96*		*70 - 130*	*05/16/12 12:20*	*05/22/12 02:23*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.0894**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Acenaphthylene	ND		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Anthracene	**0.252**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Benzo (a) anthracene	**0.740**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Benzo (a) pyrene	**0.626**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Benzo (b) fluoranthene	**0.615**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Benzo (g,h,i) perylene	**0.339**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Benzo (k) fluoranthene	**0.520**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Chrysene	**0.744**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Dibenz (a,h) anthracene	**0.133**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Fluoranthene	**1.61**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Fluorene	**0.0905**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Indeno (1,2,3-cd) pyrene	**0.310**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Naphthalene	ND		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Phenanthrene	**1.06**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00
Pyrene	**1.27**		0.0755		mg/kg dry	☼	05/18/12 12:27	05/20/12 00:42	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*67*		*18 - 120*	*05/18/12 12:27*	*05/20/12 00:42*	*1.00*
2-Fluorobiphenyl	*55*		*14 - 120*	*05/18/12 12:27*	*05/20/12 00:42*	*1.00*
Nitrobenzene-d5	*52*		*17 - 120*	*05/18/12 12:27*	*05/20/12 00:42*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**88.1**		0.500		%		05/19/12 12:00	05/19/12 12:43	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-3 (2-3)

Date Collected: 05/16/12 12:35
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-03

Matrix: Soil
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Benzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Bromobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Bromochloromethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Bromodichloromethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Bromoform	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Bromomethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dibromo-3-chloropropane	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
2-Butanone	ND		0.0603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
sec-Butylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
n-Butylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
tert-Butylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Carbon disulfide	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Carbon Tetrachloride	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Chlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Chlorodibromomethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Chloroethane	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Chloroform	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Chloromethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
2-Chlorotoluene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
4-Chlorotoluene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dibromoethane (EDB)	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Dibromomethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,4-Dichlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,3-Dichlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dichlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Dichlorodifluoromethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1-Dichloroethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dichloroethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
cis-1,2-Dichloroethene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1-Dichloroethene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
trans-1,2-Dichloroethene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,3-Dichloropropane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dichloropropane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
2,2-Dichloropropane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
cis-1,3-Dichloropropene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
trans-1,3-Dichloropropene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1-Dichloropropene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Ethylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Hexachlorobutadiene	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
2-Hexanone	ND		0.0603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Isopropylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
p-Isopropyltoluene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Methyl tert-Butyl Ether	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Methylene Chloride	ND		0.0121		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
4-Methyl-2-pentanone	ND		0.0603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Naphthalene	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
n-Propylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Styrene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1,1,2-Tetrachloroethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1,2,2-Tetrachloroethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-3 (2-3)

Date Collected: 05/16/12 12:35
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-03

Matrix: Soil
Percent Solids: 82.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Toluene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2,3-Trichlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2,4-Trichlorobenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1,2-Trichloroethane	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,1,1-Trichloroethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Trichloroethene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Trichlorofluoromethane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2,3-Trichloropropane	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,3,5-Trimethylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2,4-Trimethylbenzene	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Vinyl chloride	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Xylenes, total	ND		0.00603		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
Diisopropyl Ether	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00
1,2-Dichloroethene (total)	ND		0.00241		mg/kg dry	☼	05/16/12 12:35	05/22/12 02:52	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*101*		*70 - 130*	*05/16/12 12:35*	*05/22/12 02:52*	*1.00*
Dibromofluoromethane	*95*		*70 - 130*	*05/16/12 12:35*	*05/22/12 02:52*	*1.00*
Toluene-d8	*104*		*70 - 130*	*05/16/12 12:35*	*05/22/12 02:52*	*1.00*
4-Bromofluorobenzene	*97*		*70 - 130*	*05/16/12 12:35*	*05/22/12 02:52*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Acenaphthylene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Anthracene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Benzo (a) anthracene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Benzo (a) pyrene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Benzo (b) fluoranthene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Benzo (g,h,i) perylene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Benzo (k) fluoranthene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Chrysene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Dibenz (a,h) anthracene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Fluoranthene	**0.0854**		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Fluorene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Naphthalene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Phenanthrene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00
Pyrene	ND		0.0795		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:04	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*71*		*18 - 120*	*05/18/12 12:27*	*05/20/12 01:04*	*1.00*
2-Fluorobiphenyl	*59*		*14 - 120*	*05/18/12 12:27*	*05/20/12 01:04*	*1.00*
Nitrobenzene-d5	*53*		*17 - 120*	*05/18/12 12:27*	*05/20/12 01:04*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**82.3**		0.500		%		05/19/12 12:00	05/19/12 12:43	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-4 (3-4)

Date Collected: 05/16/12 12:45
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-04

Matrix: Soil
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Benzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Bromobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Bromochloromethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Bromodichloromethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Bromoform	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Bromomethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dibromo-3-chloropropane	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
2-Butanone	ND		0.0545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
sec-Butylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
n-Butylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
tert-Butylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Carbon disulfide	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Carbon Tetrachloride	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Chlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Chlorodibromomethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Chloroethane	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Chloroform	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Chloromethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
2-Chlorotoluene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
4-Chlorotoluene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dibromoethane (EDB)	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Dibromomethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,4-Dichlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,3-Dichlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dichlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Dichlorodifluoromethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1-Dichloroethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dichloroethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
cis-1,2-Dichloroethene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1-Dichloroethene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
trans-1,2-Dichloroethene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,3-Dichloropropane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dichloropropane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
2,2-Dichloropropane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
cis-1,3-Dichloropropene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
trans-1,3-Dichloropropene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1-Dichloropropene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Ethylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Hexachlorobutadiene	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
2-Hexanone	ND		0.0545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Isopropylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
p-Isopropyltoluene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Methyl tert-Butyl Ether	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Methylene Chloride	ND		0.0109		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
4-Methyl-2-pentanone	ND		0.0545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Naphthalene	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
n-Propylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Styrene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1,1,2-Tetrachloroethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1,2,2-Tetrachloroethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-4 (3-4)

Date Collected: 05/16/12 12:45
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-04

Matrix: Soil
Percent Solids: 86.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Toluene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2,3-Trichlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2,4-Trichlorobenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1,2-Trichloroethane	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,1,1-Trichloroethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Trichloroethene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Trichlorofluoromethane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2,3-Trichloropropane	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,3,5-Trimethylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2,4-Trimethylbenzene	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Vinyl chloride	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Xylenes, total	ND		0.00545		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
Diisopropyl Ether	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00
1,2-Dichloroethene (total)	ND		0.00218		mg/kg dry	☼	05/16/12 12:45	05/22/12 03:22	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*70 - 130*	*05/16/12 12:45*	*05/22/12 03:22*	*1.00*
Dibromofluoromethane	*97*		*70 - 130*	*05/16/12 12:45*	*05/22/12 03:22*	*1.00*
Toluene-d8	*105*		*70 - 130*	*05/16/12 12:45*	*05/22/12 03:22*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*05/16/12 12:45*	*05/22/12 03:22*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Acenaphthylene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Anthracene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Benzo (a) anthracene	**0.104**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Benzo (a) pyrene	**0.122**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Benzo (b) fluoranthene	**0.111**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Benzo (g,h,i) perylene	**0.0852**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Benzo (k) fluoranthene	**0.0848**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Chrysene	**0.113**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Dibenz (a,h) anthracene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Fluoranthene	**0.171**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Fluorene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Naphthalene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Phenanthrene	ND		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00
Pyrene	**0.191**		0.0771		mg/kg dry	☼	05/18/12 12:27	05/20/12 01:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*74*		*18 - 120*	*05/18/12 12:27*	*05/20/12 01:26*	*1.00*
2-Fluorobiphenyl	*60*		*14 - 120*	*05/18/12 12:27*	*05/20/12 01:26*	*1.00*
Nitrobenzene-d5	*55*		*17 - 120*	*05/18/12 12:27*	*05/20/12 01:26*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**86.3**		0.500		%		05/19/12 12:00	05/19/12 12:43	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: Trip Blank

Date Collected: 05/16/12 00:00
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Benzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Bromobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Bromochloromethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Bromodichloromethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Bromoform	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Bromomethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
2-Butanone	ND		50.0		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
sec-Butylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
n-Butylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
tert-Butylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Carbon disulfide	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Carbon Tetrachloride	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Chlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Chlorodibromomethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Chloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Chloroform	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Chloromethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
2-Chlorotoluene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
4-Chlorotoluene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Dibromomethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1-Dichloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2-Dichloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1-Dichloroethene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,3-Dichloropropane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2-Dichloropropane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
2,2-Dichloropropane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1-Dichloropropene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Ethylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Hexachlorobutadiene	ND		2.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
2-Hexanone	ND		10.0		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Isopropylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
p-Isopropyltoluene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Methylene Chloride	ND		5.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Naphthalene	ND		5.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
n-Propylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Styrene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: Trip Blank

Date Collected: 05/16/12 00:00
Date Received: 05/17/12 08:30

Lab Sample ID: NWE2093-05

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Toluene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Trichloroethene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Trichlorofluoromethane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Vinyl chloride	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Xylenes, total	ND		3.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00
Diisopropyl Ether	ND		1.00		ug/L		05/17/12 17:25	05/18/12 14:18	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*98*		*70 - 130*	*05/17/12 17:25*	*05/18/12 14:18*	*1.00*
Dibromofluoromethane	*99*		*70 - 130*	*05/17/12 17:25*	*05/18/12 14:18*	*1.00*
Toluene-d8	*102*		*70 - 130*	*05/17/12 17:25*	*05/18/12 14:18*	*1.00*
4-Bromofluorobenzene	*98*		*70 - 130*	*05/17/12 17:25*	*05/18/12 14:18*	*1.00*

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

Lab Sample ID: 12E4178-BLK1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Benzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Bromobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Bromochloromethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Bromodichloromethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Bromoform	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Bromomethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
2-Butanone	ND		50.0		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
sec-Butylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
n-Butylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
tert-Butylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Carbon disulfide	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Carbon Tetrachloride	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Chlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Chlorodibromomethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Chloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Chloroform	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Chloromethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
2-Chlorotoluene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
4-Chlorotoluene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Dibromomethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1-Dichloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2-Dichloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1-Dichloroethene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,3-Dichloropropane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2-Dichloropropane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
2,2-Dichloropropane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1-Dichloropropene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Ethylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Hexachlorobutadiene	ND		2.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
2-Hexanone	ND		10.0		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Isopropylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
p-Isopropyltoluene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Methylene Chloride	ND		5.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Naphthalene	ND		5.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
n-Propylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Styrene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00

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

Lab Sample ID: 12E4178-BLK1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Tetrachloroethene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Toluene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Trichloroethene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Trichlorofluoromethane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Vinyl chloride	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Xylenes, total	ND		3.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00
Diisopropyl Ether	ND		1.00		ug/L		05/18/12 00:00	05/18/12 12:30	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*95*		*70 - 130*	*05/18/12 00:00*	*05/18/12 12:30*	*1.00*
Dibromofluoromethane	*97*		*70 - 130*	*05/18/12 00:00*	*05/18/12 12:30*	*1.00*
Toluene-d8	*103*		*70 - 130*	*05/18/12 00:00*	*05/18/12 12:30*	*1.00*
4-Bromofluorobenzene	*100*		*70 - 130*	*05/18/12 00:00*	*05/18/12 12:30*	*1.00*

Lab Sample ID: 12E4178-BS1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	126		ug/L		126	54 - 145
Benzene	20.0	21.1		ug/L		105	80 - 121
Bromobenzene	20.0	19.8		ug/L		99	68 - 130
Bromochloromethane	20.0	18.4		ug/L		92	78 - 129
Bromodichloromethane	20.0	17.6		ug/L		88	75 - 129
Bromoform	20.0	17.6		ug/L		88	46 - 145
Bromomethane	20.0	14.2		ug/L		71	41 - 150
2-Butanone	100	122		ug/L		122	62 - 133
sec-Butylbenzene	20.0	21.5		ug/L		107	76 - 128
n-Butylbenzene	20.0	19.2		ug/L		96	68 - 132
tert-Butylbenzene	20.0	18.8		ug/L		94	76 - 126
Carbon disulfide	20.0	21.6		ug/L		108	77 - 126
Carbon Tetrachloride	20.0	17.0		ug/L		85	64 - 147
Chlorobenzene	20.0	20.3		ug/L		101	80 - 120
Chlorodibromomethane	20.0	17.9		ug/L		90	69 - 133
Chloroethane	20.0	19.1		ug/L		96	72 - 120
Chloroform	20.0	19.7		ug/L		98	73 - 129
Chloromethane	20.0	11.5		ug/L		57	12 - 150
2-Chlorotoluene	20.0	20.1		ug/L		101	75 - 126
4-Chlorotoluene	20.0	20.9		ug/L		104	75 - 130
1,2-Dibromo-3-chloropropane	20.0	19.0		ug/L		95	54 - 125

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

Lab Sample ID: 12E4178-BS1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromoethane (EDB)	20.0	22.7		ug/L		113	80 - 129
Dibromomethane	20.0	20.9		ug/L		104	71 - 125
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	80 - 120
1,3-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 122
1,2-Dichlorobenzene	20.0	20.3		ug/L		102	80 - 121
Dichlorodifluoromethane	20.0	17.0		ug/L		85	37 - 127
1,1-Dichloroethane	20.0	19.8		ug/L		99	78 - 125
1,2-Dichloroethane	20.0	18.3		ug/L		91	77 - 121
cis-1,2-Dichloroethene	20.0	19.7		ug/L		99	76 - 125
1,1-Dichloroethene	20.0	18.7		ug/L		93	79 - 124
trans-1,2-Dichloroethene	20.0	19.3		ug/L		97	79 - 126
1,3-Dichloropropane	20.0	20.9		ug/L		104	80 - 125
1,2-Dichloropropane	20.0	20.2		ug/L		101	75 - 120
2,2-Dichloropropane	20.0	18.7		ug/L		94	43 - 161
cis-1,3-Dichloropropene	20.0	19.8		ug/L		99	74 - 140
trans-1,3-Dichloropropene	20.0	17.0		ug/L		85	63 - 134
1,1-Dichloropropene	20.0	20.2		ug/L		101	80 - 122
Ethylbenzene	20.0	21.1		ug/L		105	80 - 130
Hexachlorobutadiene	20.0	19.2		ug/L		96	49 - 146
2-Hexanone	100	126		ug/L		126	60 - 142
Isopropylbenzene	20.0	21.2		ug/L		106	80 - 141
p-Isopropyltoluene	20.0	18.3		ug/L		92	75 - 128
Methyl tert-Butyl Ether	20.0	21.4		ug/L		107	72 - 133
Methylene Chloride	20.0	19.3		ug/L		96	79 - 123
4-Methyl-2-pentanone	100	123		ug/L		123	60 - 137
Naphthalene	20.0	21.5		ug/L		107	62 - 138
n-Propylbenzene	20.0	20.8		ug/L		104	75 - 129
Styrene	20.0	19.8		ug/L		99	80 - 127
1,1,1,2-Tetrachloroethane	20.0	18.7		ug/L		93	74 - 135
1,1,2,2-Tetrachloroethane	20.0	21.9		ug/L		109	69 - 131
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 126
Toluene	20.0	21.8		ug/L		109	80 - 126
1,2,3-Trichlorobenzene	20.0	21.8		ug/L		109	62 - 133
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	63 - 133
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	80 - 124
1,1,1-Trichloroethane	20.0	20.5		ug/L		102	78 - 135
Trichloroethene	20.0	20.1		ug/L		100	80 - 123
Trichlorofluoromethane	20.0	18.3		ug/L		92	65 - 124
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	70 - 131
1,3,5-Trimethylbenzene	20.0	20.9		ug/L		105	77 - 127
1,2,4-Trimethylbenzene	20.0	18.6		ug/L		93	77 - 126
Vinyl chloride	20.0	18.2		ug/L		91	68 - 120
Xylenes, total	60.0	65.0		ug/L		108	80 - 132
Diisopropyl Ether	20.0	20.0		ug/L		100	62 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*93*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8	*103*		*70 - 130*

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

Lab Sample ID: 12E4178-BS1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E4178_P

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*

Lab Sample ID: 12E4178-BSD1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	121		ug/L		121	54 - 145	4	21
Benzene	20.0	20.0		ug/L		100	80 - 121	5	17
Bromobenzene	20.0	19.5		ug/L		97	68 - 130	2	20
Bromochloromethane	20.0	17.2		ug/L		86	78 - 129	7	17
Bromodichloromethane	20.0	17.0		ug/L		85	75 - 129	3	18
Bromoform	20.0	16.8		ug/L		84	46 - 145	5	16
Bromomethane	20.0	13.2		ug/L		66	41 - 150	8	50
2-Butanone	100	121		ug/L		121	62 - 133	1	19
sec-Butylbenzene	20.0	20.1		ug/L		100	76 - 128	7	16
n-Butylbenzene	20.0	17.7		ug/L		89	68 - 132	8	18
tert-Butylbenzene	20.0	17.6		ug/L		88	76 - 126	7	16
Carbon disulfide	20.0	20.0		ug/L		100	77 - 126	8	21
Carbon Tetrachloride	20.0	16.0		ug/L		80	64 - 147	6	19
Chlorobenzene	20.0	19.3		ug/L		97	80 - 120	5	14
Chlorodibromomethane	20.0	17.1		ug/L		85	69 - 133	5	15
Chloroethane	20.0	18.1		ug/L		90	72 - 120	6	20
Chloroform	20.0	18.5		ug/L		92	73 - 129	6	18
Chloromethane	20.0	10.2		ug/L		51	12 - 150	12	31
2-Chlorotoluene	20.0	19.3		ug/L		96	75 - 126	4	17
4-Chlorotoluene	20.0	19.5		ug/L		97	75 - 130	7	18
1,2-Dibromo-3-chloropropane	20.0	19.1		ug/L		95	54 - 125	0.2	24
1,2-Dibromoethane (EDB)	20.0	22.0		ug/L		110	80 - 129	3	15
Dibromomethane	20.0	20.3		ug/L		101	71 - 125	3	16
1,4-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 120	4	15
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 122	5	15
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 121	5	15
Dichlorodifluoromethane	20.0	15.8		ug/L		79	37 - 127	7	18
1,1-Dichloroethane	20.0	18.8		ug/L		94	78 - 125	5	17
1,2-Dichloroethane	20.0	17.5		ug/L		88	77 - 121	4	17
cis-1,2-Dichloroethene	20.0	18.7		ug/L		94	76 - 125	5	17
1,1-Dichloroethene	20.0	17.7		ug/L		89	79 - 124	5	17
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	79 - 126	6	16
1,3-Dichloropropane	20.0	20.1		ug/L		101	80 - 125	4	14
1,2-Dichloropropane	20.0	19.6		ug/L		98	75 - 120	3	17
2,2-Dichloropropane	20.0	17.7		ug/L		88	43 - 161	6	18
cis-1,3-Dichloropropene	20.0	18.9		ug/L		95	74 - 140	5	15
trans-1,3-Dichloropropene	20.0	16.1		ug/L		80	63 - 134	6	14
1,1-Dichloropropene	20.0	19.0		ug/L		95	80 - 122	6	17
Ethylbenzene	20.0	19.9		ug/L		99	80 - 130	6	15
Hexachlorobutadiene	20.0	18.0		ug/L		90	49 - 146	6	23
2-Hexanone	100	124		ug/L		124	60 - 142	2	15
Isopropylbenzene	20.0	19.6		ug/L		98	80 - 141	8	16

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

Lab Sample ID: 12E4178-BSD1 | **Client Sample ID: Lab Control Sample Dup**
Matrix: Water | **Prep Type: Total**
Analysis Batch: V008345 | **Prep Batch: 12E4178_P**

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
p-Isopropyltoluene	20.0	17.3		ug/L		86	75 - 128	6	16
Methyl tert-Butyl Ether	20.0	21.0		ug/L		105	72 - 133	2	16
Methylene Chloride	20.0	18.3		ug/L		92	79 - 123	5	17
4-Methyl-2-pentanone	100	122		ug/L		122	60 - 137	1	17
Naphthalene	20.0	21.2		ug/L		106	62 - 138	1	26
n-Propylbenzene	20.0	19.8		ug/L		99	75 - 129	5	17
Styrene	20.0	18.7		ug/L		94	80 - 127	6	24
1,1,1,2-Tetrachloroethane	20.0	18.0		ug/L		90	74 - 135	4	16
1,1,2,2-Tetrachloroethane	20.0	21.4		ug/L		107	69 - 131	2	20
Tetrachloroethene	20.0	18.9		ug/L		95	80 - 126	7	16
Toluene	20.0	20.2		ug/L		101	80 - 126	7	15
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	62 - 133	4	25
1,2,4-Trichlorobenzene	20.0	18.6		ug/L		93	63 - 133	6	19
1,1,2-Trichloroethane	20.0	20.6		ug/L		103	80 - 124	4	15
1,1,1-Trichloroethane	20.0	19.1		ug/L		95	78 - 135	7	17
Trichloroethene	20.0	18.7		ug/L		94	80 - 123	7	17
Trichlorofluoromethane	20.0	17.4		ug/L		87	65 - 124	5	18
1,2,3-Trichloropropane	20.0	22.0		ug/L		110	70 - 131	0.1	19
1,3,5-Trimethylbenzene	20.0	20.0		ug/L		100	77 - 127	5	17
1,2,4-Trimethylbenzene	20.0	17.6		ug/L		88	77 - 126	5	16
Vinyl chloride	20.0	17.4		ug/L		87	68 - 120	5	17
Xylenes, total	60.0	60.6		ug/L		101	80 - 132	7	15
Diisopropyl Ether	20.0	19.3		ug/L		97	62 - 137	4	19

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*98*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8	*101*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*

Lab Sample ID: 12E4178-MS1 | **Client Sample ID: Matrix Spike**
Matrix: Water | **Prep Type: Total**
Analysis Batch: V008345 | **Prep Batch: 12E4178_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		250000	254000		ug/L		102	45 - 141
Benzene	ND		50000	47900		ug/L		96	75 - 133
Bromobenzene	ND		50000	45600		ug/L		91	60 - 138
Bromochloromethane	ND		50000	39500		ug/L		79	67 - 139
Bromodichloromethane	ND		50000	42900		ug/L		86	70 - 140
Bromoform	ND		50000	41800		ug/L		84	42 - 147
Bromomethane	ND		50000	28600		ug/L		57	16 - 163
2-Butanone	ND		250000	300000		ug/L		120	50 - 138
sec-Butylbenzene	ND		50000	51300		ug/L		103	73 - 138
n-Butylbenzene	ND		50000	44900		ug/L		90	66 - 141
tert-Butylbenzene	ND		50000	44500		ug/L		89	70 - 138
Carbon disulfide	ND		50000	55500		ug/L		111	48 - 152
Carbon Tetrachloride	ND		50000	41700		ug/L		83	62 - 164
Chlorobenzene	ND		50000	46000		ug/L		92	80 - 129

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

Lab Sample ID: 12E4178-MS1
Matrix: Water
Analysis Batch: V008345

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 12E4178_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorodibromomethane	ND		50000	41400		ug/L		83	66 - 140
Chloroethane	ND		50000	41500		ug/L		83	58 - 137
Chloroform	ND		50000	45800		ug/L		92	66 - 138
Chloromethane	ND		50000	22100		ug/L		44	10 - 169
2-Chlorotoluene	ND		50000	47400		ug/L		95	67 - 138
4-Chlorotoluene	ND		50000	47300		ug/L		95	69 - 138
1,2-Dibromo-3-chloropropane	ND		50000	45100		ug/L		90	52 - 126
1,2-Dibromoethane (EDB)	ND		50000	52400		ug/L		105	75 - 137
Dibromomethane	ND		50000	49400		ug/L		99	58 - 140
1,4-Dichlorobenzene	ND		50000	44600		ug/L		89	78 - 126
1,3-Dichlorobenzene	ND		50000	46500		ug/L		93	77 - 131
1,2-Dichlorobenzene	ND		50000	45400		ug/L		91	79 - 128
Dichlorodifluoromethane	ND		50000	30300		ug/L		61	40 - 127
1,1-Dichloroethane	ND		50000	46400		ug/L		93	71 - 139
1,2-Dichloroethane	1000		50000	41600		ug/L		81	64 - 136
cis-1,2-Dichloroethene	11900		50000	58300		ug/L		93	68 - 138
1,1-Dichloroethene	ND		50000	46800		ug/L		94	70 - 142
trans-1,2-Dichloroethene	ND		50000	46500		ug/L		93	66 - 143
1,3-Dichloropropane	ND		50000	46500		ug/L		93	72 - 134
1,2-Dichloropropane	ND		50000	47400		ug/L		95	67 - 131
2,2-Dichloropropane	1660		50000	44900		ug/L		87	37 - 175
cis-1,3-Dichloropropene	1760		50000	41200		ug/L		79	71 - 141
trans-1,3-Dichloropropene	ND		50000	37500		ug/L		75	59 - 135
1,1-Dichloropropene	ND		50000	49700		ug/L		99	76 - 139
Ethylbenzene	ND		50000	48800		ug/L		98	79 - 139
Hexachlorobutadiene	ND		50000	40500		ug/L		81	45 - 155
2-Hexanone	ND		250000	311000		ug/L		124	50 - 150
Isopropylbenzene	ND		50000	47300		ug/L		95	80 - 153
p-Isopropyltoluene	ND		50000	45300		ug/L		91	71 - 137
Methyl tert-Butyl Ether	ND		50000	49400		ug/L		99	66 - 141
Methylene Chloride	ND		50000	42400		ug/L		85	64 - 139
4-Methyl-2-pentanone	ND		250000	285000		ug/L		114	50 - 147
Naphthalene	ND		50000	41200		ug/L		82	55 - 140
n-Propylbenzene	ND		50000	50000		ug/L		100	69 - 142
Styrene	ND		50000	46100		ug/L		92	61 - 148
1,1,1,2-Tetrachloroethane	ND		50000	43700		ug/L		87	73 - 141
1,1,2,2-Tetrachloroethane	ND		50000	51300		ug/L		103	56 - 143
Tetrachloroethene	ND		50000	46700		ug/L		93	72 - 145
Toluene	ND		50000	45000		ug/L		90	75 - 136
1,2,3-Trichlorobenzene	ND		50000	41800		ug/L		84	55 - 138
1,2,4-Trichlorobenzene	780		50000	40000		ug/L		78	60 - 136
1,1,2-Trichloroethane	ND		50000	47500		ug/L		95	74 - 134
1,1,1-Trichloroethane	ND		50000	51300		ug/L		103	76 - 149
Trichloroethene	66300		50000	112000		ug/L		91	73 - 144
Trichlorofluoromethane	ND		50000	43900		ug/L		88	58 - 139
1,2,3-Trichloropropane	ND		50000	51700		ug/L		103	53 - 144
1,3,5-Trimethylbenzene	ND		50000	49700		ug/L		99	69 - 139
1,2,4-Trimethylbenzene	ND		50000	44900		ug/L		90	69 - 136
Vinyl chloride	880		50000	43900		ug/L		86	56 - 129
Xylenes, total	ND		150000	149000		ug/L		99	74 - 141

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

Lab Sample ID: 12E4178-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total**
Analysis Batch: V008345 — **Prep Batch: 12E4178_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Diisopropyl Ether	ND		50000	45800		ug/L		92	54 - 147

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8	*96*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*

Lab Sample ID: 12E4178-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total**
Analysis Batch: V008345 — **Prep Batch: 12E4178_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	ıtrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		250000	248000		ug/L		99	45 - 141	2	21
Benzene	ND		50000	49800		ug/L		100	75 - 133	4	17
Bromobenzene	ND		50000	47400		ug/L		95	60 - 138	4	20
Bromochloromethane	ND		50000	40800		ug/L		82	67 - 139	3	17
Bromodichloromethane	ND		50000	43800		ug/L		88	70 - 140	2	18
Bromoform	ND		50000	43400		ug/L		87	42 - 147	4	16
Bromomethane	ND		50000	33100		ug/L		66	16 - 163	14	50
2-Butanone	ND		250000	301000		ug/L		120	50 - 138	0.2	19
sec-Butylbenzene	ND		50000	53300		ug/L		107	73 - 138	4	16
n-Butylbenzene	ND		50000	48200		ug/L		96	66 - 141	7	18
tert-Butylbenzene	ND		50000	46300		ug/L		93	70 - 138	4	16
Carbon disulfide	ND		50000	57300		ug/L		115	48 - 152	3	21
Carbon Tetrachloride	ND		50000	43200		ug/L		86	62 - 164	4	19
Chlorobenzene	ND		50000	48000		ug/L		96	80 - 129	4	14
Chlorodibromomethane	ND		50000	44200		ug/L		88	66 - 140	7	15
Chloroethane	ND		50000	41700		ug/L		83	58 - 137	0.5	20
Chloroform	ND		50000	46800		ug/L		94	66 - 138	2	18
Chloromethane	ND		50000	21900		ug/L		44	10 - 169	0.9	31
2-Chlorotoluene	ND		50000	49200		ug/L		98	67 - 138	4	17
4-Chlorotoluene	ND		50000	49100		ug/L		98	69 - 138	4	18
1,2-Dibromo-3-chloropropane	ND		50000	46600		ug/L		93	52 - 126	3	24
1,2-Dibromoethane (EDB)	ND		50000	53700		ug/L		107	75 - 137	2	15
Dibromomethane	ND		50000	50600		ug/L		101	58 - 140	2	16
1,4-Dichlorobenzene	ND		50000	45600		ug/L		91	78 - 126	2	15
1,3-Dichlorobenzene	ND		50000	48000		ug/L		96	77 - 131	3	15
1,2-Dichlorobenzene	ND		50000	47200		ug/L		94	79 - 128	4	15
Dichlorodifluoromethane	ND		50000	31000		ug/L		62	40 - 127	2	18
1,1-Dichloroethane	ND		50000	46800		ug/L		94	71 - 139	1	17
1,2-Dichloroethane	1000		50000	42900		ug/L		84	64 - 136	3	17
cis-1,2-Dichloroethene	11900		50000	59400		ug/L		95	68 - 138	2	17
1,1-Dichloroethene	ND		50000	47700		ug/L		95	70 - 142	2	17
trans-1,2-Dichloroethene	ND		50000	47900		ug/L		96	66 - 143	3	16
1,3-Dichloropropane	ND		50000	48600		ug/L		97	72 - 134	4	14
1,2-Dichloropropane	ND		50000	49000		ug/L		98	67 - 131	3	17
2,2-Dichloropropane	1660		50000	45800		ug/L		88	37 - 175	2	18
cis-1,3-Dichloropropene	1760		50000	43100		ug/L		83	71 - 141	4	15

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

Lab Sample ID: 12E4178-MSD1 | **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water | **Prep Type: Total**
Analysis Batch: V008345 | **Prep Batch: 12E4178_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	ND		50000	39700		ug/L		79	59 - 135	6	14
1,1-Dichloropropene	ND		50000	51200		ug/L		102	76 - 139	3	17
Ethylbenzene	ND		50000	51200		ug/L		102	79 - 139	5	15
Hexachlorobutadiene	ND		50000	49000		ug/L		98	45 - 155	19	23
2-Hexanone	ND		250000	312000		ug/L		125	50 - 150	0.4	15
Isopropylbenzene	ND		50000	49300		ug/L		99	80 - 153	4	16
p-Isopropyltoluene	ND		50000	47200		ug/L		94	71 - 137	4	16
Methyl tert-Butyl Ether	ND		50000	50800		ug/L		102	66 - 141	3	16
Methylene Chloride	ND		50000	43600		ug/L		87	64 - 139	3	17
4-Methyl-2-pentanone	ND		250000	295000		ug/L		118	50 - 147	4	17
Naphthalene	ND		50000	50300		ug/L		101	55 - 140	20	26
n-Propylbenzene	ND		50000	51500		ug/L		103	69 - 142	3	17
Styrene	ND		50000	47600		ug/L		95	61 - 148	3	24
1,1,1,2-Tetrachloroethane	ND		50000	45400		ug/L		91	73 - 141	4	16
1,1,2,2-Tetrachloroethane	ND		50000	52800		ug/L		106	56 - 143	3	20
Tetrachloroethene	ND		50000	48500		ug/L		97	72 - 145	4	16
Toluene	ND		50000	44800		ug/L		90	75 - 136	0.4	15
1,2,3-Trichlorobenzene	ND		50000	50600		ug/L		101	55 - 138	19	25
1,2,4-Trichlorobenzene	780		50000	45300		ug/L		89	60 - 136	12	19
1,1,2-Trichloroethane	ND		50000	49300		ug/L		99	74 - 134	4	15
1,1,1-Trichloroethane	ND		50000	52200		ug/L		104	76 - 149	2	17
Trichloroethene	66300		50000	116000		ug/L		98	73 - 144	3	17
Trichlorofluoromethane	ND		50000	44900		ug/L		90	58 - 139	2	18
1,2,3-Trichloropropane	ND		50000	53100		ug/L		106	53 - 144	3	19
1,3,5-Trimethylbenzene	ND		50000	51100		ug/L		102	69 - 139	3	17
1,2,4-Trimethylbenzene	ND		50000	46300		ug/L		93	69 - 136	3	16
Vinyl chloride	880		50000	44200		ug/L		87	56 - 129	0.8	17
Xylenes, total	ND		150000	157000		ug/L		105	74 - 141	5	15
Diisopropyl Ether	ND		50000	47100		ug/L		94	54 - 147	3	19

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8	*92*		*70 - 130*
4-Bromofluorobenzene	*101*		*70 - 130*

Lab Sample ID: 12E4615-BLK1 | **Client Sample ID: Method Blank**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Benzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Bromobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Bromochloromethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Bromodichloromethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Bromoform	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Bromomethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dibromo-3-chloropropane	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00

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

Lab Sample ID: 12E4615-BLK1
Matrix: Soil
Analysis Batch: V008445

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E4615_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		0.0500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
sec-Butylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
n-Butylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
tert-Butylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Carbon disulfide	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Carbon Tetrachloride	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Chlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Chlorodibromomethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Chloroethane	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Chloroform	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Chloromethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
2-Chlorotoluene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
4-Chlorotoluene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dibromoethane (EDB)	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Dibromomethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,4-Dichlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,3-Dichlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dichlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Dichlorodifluoromethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1-Dichloroethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dichloroethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
cis-1,2-Dichloroethene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1-Dichloroethene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
trans-1,2-Dichloroethene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,3-Dichloropropane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dichloropropane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
2,2-Dichloropropane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
cis-1,3-Dichloropropene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
trans-1,3-Dichloropropene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1-Dichloropropene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Ethylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Hexachlorobutadiene	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
2-Hexanone	ND		0.0500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Isopropylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
p-Isopropyltoluene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Methyl tert-Butyl Ether	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Methylene Chloride	ND		0.0100		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
4-Methyl-2-pentanone	ND		0.0500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Naphthalene	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
n-Propylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Styrene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Tetrachloroethene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Toluene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2,3-Trichlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2,4-Trichlorobenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1,2-Trichloroethane	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,1,1-Trichloroethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Trichloroethene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00

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

Lab Sample ID: 12E4615-BLK1 | **Client Sample ID: Method Blank**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2,3-Trichloropropane	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,3,5-Trimethylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2,4-Trimethylbenzene	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Vinyl chloride	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Xylenes, total	ND		0.00500		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
Diisopropyl Ether	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00
1,2-Dichloroethene (total)	ND		0.00200		mg/kg wet		05/21/12 00:23	05/21/12 23:25	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*97*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:25*	*1.00*
Dibromofluoromethane	*99*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:25*	*1.00*
Toluene-d8	*105*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:25*	*1.00*
4-Bromofluorobenzene	*95*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:25*	*1.00*

Lab Sample ID: 12E4615-BLK2 | **Client Sample ID: Method Blank**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Benzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Bromobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Bromochloromethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Bromodichloromethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Bromoform	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Bromomethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dibromo-3-chloropropane	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
2-Butanone	ND		2.50		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
sec-Butylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
n-Butylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
tert-Butylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Carbon disulfide	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Carbon Tetrachloride	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Chlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Chlorodibromomethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Chloroethane	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Chloroform	0.186		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Chloromethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
2-Chlorotoluene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
4-Chlorotoluene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dibromoethane (EDB)	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Dibromomethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,4-Dichlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,3-Dichlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dichlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Dichlorodifluoromethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1-Dichloroethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dichloroethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0

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

Lab Sample ID: 12E4615-BLK2
Matrix: Soil
Analysis Batch: V008445

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12E4615_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1-Dichloroethene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
trans-1,2-Dichloroethene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,3-Dichloropropane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dichloropropane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
2,2-Dichloropropane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
cis-1,3-Dichloropropene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
trans-1,3-Dichloropropene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1-Dichloropropene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Ethylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Hexachlorobutadiene	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
2-Hexanone	ND		2.50		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Isopropylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
p-Isopropyltoluene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Methyl tert-Butyl Ether	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Methylene Chloride	ND		0.500		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
4-Methyl-2-pentanone	ND		2.50		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Naphthalene	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
n-Propylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Styrene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1,1,2-Tetrachloroethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1,2,2-Tetrachloroethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Tetrachloroethene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Toluene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2,3-Trichlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2,4-Trichlorobenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1,2-Trichloroethane	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,1,1-Trichloroethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Trichloroethene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Trichlorofluoromethane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2,3-Trichloropropane	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,3,5-Trimethylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2,4-Trimethylbenzene	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Vinyl chloride	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Xylenes, total	ND		0.250		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
Diisopropyl Ether	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0
1,2-Dichloroethene (total)	ND		0.100		mg/kg wet		05/21/12 00:23	05/21/12 23:55	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:55*	*50.0*
Dibromofluoromethane	*95*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:55*	*50.0*
Toluene-d8	*103*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:55*	*50.0*
4-Bromofluorobenzene	*93*		*70 - 130*	*05/21/12 00:23*	*05/21/12 23:55*	*50.0*

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

Lab Sample ID: 12E4615-BS1
Matrix: Soil
Analysis Batch: V008445

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12E4615_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	247		ug/kg		99	51 - 149
Benzene	50.0	48.4		ug/kg		97	75 - 127
Bromobenzene	50.0	48.4		ug/kg		97	75 - 130
Bromochloromethane	50.0	46.4		ug/kg		93	70 - 132
Bromodichloromethane	50.0	46.8		ug/kg		94	68 - 135
Bromoform	50.0	55.7		ug/kg		111	36 - 150
Bromomethane	50.0	44.2		ug/kg		88	43 - 142
1,2-Dibromo-3-chloropropane	50.0	48.9		ug/kg		98	49 - 142
2-Butanone	250	245		ug/kg		98	61 - 132
sec-Butylbenzene	50.0	48.8		ug/kg		98	79 - 141
n-Butylbenzene	50.0	48.6		ug/kg		97	72 - 152
tert-Butylbenzene	50.0	48.0		ug/kg		96	80 - 132
Carbon disulfide	50.0	40.3		ug/kg		81	74 - 135
Carbon Tetrachloride	50.0	47.0		ug/kg		94	70 - 141
Chlorobenzene	50.0	52.3		ug/kg		105	84 - 125
Chlorodibromomethane	50.0	51.1		ug/kg		102	66 - 134
Chloroethane	50.0	43.8		ug/kg		88	53 - 144
Chloroform	50.0	54.9	B	ug/kg		110	76 - 130
Chloromethane	50.0	45.8		ug/kg		92	23 - 150
2-Chlorotoluene	50.0	48.6		ug/kg		97	78 - 132
4-Chlorotoluene	50.0	47.5		ug/kg		95	77 - 138
1,2-Dibromoethane (EDB)	50.0	54.4		ug/kg		109	80 - 135
Dibromomethane	50.0	50.1		ug/kg		100	71 - 130
1,4-Dichlorobenzene	50.0	50.5		ug/kg		101	77 - 139
1,3-Dichlorobenzene	50.0	50.3		ug/kg		101	79 - 137
1,2-Dichlorobenzene	50.0	53.7		ug/kg		107	80 - 134
Dichlorodifluoromethane	50.0	48.3		ug/kg		97	12 - 144
1,1-Dichloroethane	50.0	46.9		ug/kg		94	75 - 124
1,2-Dichloroethane	50.0	51.8		ug/kg		104	65 - 134
cis-1,2-Dichloroethene	50.0	49.1		ug/kg		98	75 - 125
1,1-Dichloroethene	50.0	45.2		ug/kg		90	75 - 131
trans-1,2-Dichloroethene	50.0	47.7		ug/kg		95	76 - 128
1,3-Dichloropropane	50.0	55.3		ug/kg		111	78 - 126
1,2-Dichloropropane	50.0	46.6		ug/kg		93	69 - 120
2,2-Dichloropropane	50.0	45.4		ug/kg		91	68 - 145
cis-1,3-Dichloropropene	50.0	50.8		ug/kg		102	73 - 148
trans-1,3-Dichloropropene	50.0	51.2		ug/kg		102	62 - 139
1,1-Dichloropropene	50.0	48.9		ug/kg		98	79 - 127
Ethylbenzene	50.0	53.1		ug/kg		106	80 - 134
Hexachlorobutadiene	50.0	55.2		ug/kg		110	65 - 148
2-Hexanone	250	259		ug/kg		104	57 - 148
Isopropylbenzene	50.0	54.6		ug/kg		109	80 - 150
p-Isopropyltoluene	50.0	48.5		ug/kg		97	77 - 141
Methyl tert-Butyl Ether	50.0	44.5		ug/kg		89	70 - 136
Methylene Chloride	50.0	48.0		ug/kg		96	68 - 144
4-Methyl-2-pentanone	250	269		ug/kg		108	59 - 138
Naphthalene	50.0	45.3		ug/kg		91	69 - 150
n-Propylbenzene	50.0	48.9		ug/kg		98	75 - 137
Styrene	50.0	53.4		ug/kg		107	82 - 137

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

Lab Sample ID: 12E4615-BS1 | **Client Sample ID: Lab Control Sample**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	52.4		ug/kg		105	80 - 136
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/kg		97	66 - 134
Tetrachloroethene	50.0	59.0		ug/kg		118	78 - 140
Toluene	50.0	52.6		ug/kg		105	80 - 132
1,2,3-Trichlorobenzene	50.0	54.0		ug/kg		108	70 - 150
1,2,4-Trichlorobenzene	50.0	54.6		ug/kg		109	62 - 150
1,1,2-Trichloroethane	50.0	55.2		ug/kg		110	78 - 128
1,1,1-Trichloroethane	50.0	46.9		ug/kg		94	72 - 140
Trichloroethene	50.0	49.2		ug/kg		98	77 - 127
Trichlorofluoromethane	50.0	54.1		ug/kg		108	50 - 140
1,2,3-Trichloropropane	50.0	48.1		ug/kg		96	65 - 139
1,3,5-Trimethylbenzene	50.0	47.7		ug/kg		95	78 - 138
1,2,4-Trimethylbenzene	50.0	48.3		ug/kg		97	77 - 139
Vinyl chloride	50.0	44.0		ug/kg		88	47 - 136
Xylenes, total	150	159		ug/kg		106	80 - 137
Diisopropyl Ether	50.0	52.3		ug/kg		105	68 - 124
1,2-Dichloroethene (total)	100	96.8		ug/kg		97	75 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*93*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8	*106*		*70 - 130*
4-Bromofluorobenzene	*94*		*70 - 130*

Lab Sample ID: 12E4615-MS1 | **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		0.295	30.5	M7	mg/kg dry	☼	10400	19 - 175
Benzene	ND		0.0589	0.0451		mg/kg dry	☼	77	31 - 143
Bromobenzene	ND		0.0589	0.0371		mg/kg dry	☼	63	12 - 157
Bromochloromethane	ND		0.0589	0.0422		mg/kg dry	☼	72	31 - 141
Bromodichloromethane	ND		0.0589	0.0399		mg/kg dry	☼	68	19 - 148
Bromoform	ND		0.0589	0.0396		mg/kg dry	☼	67	10 - 165
Bromomethane	ND		0.0589	0.0418		mg/kg dry	☼	71	10 - 164
1,2-Dibromo-3-chloropropane	ND		0.0589	0.0330		mg/kg dry	☼	56	10 - 147
2-Butanone	ND		0.295	0.195		mg/kg dry	☼	66	18 - 153
sec-Butylbenzene	ND		0.0589	0.0379		mg/kg dry	☼	64	12 - 170
n-Butylbenzene	ND		0.0589	0.0334		mg/kg dry	☼	57	10 - 175
tert-Butylbenzene	ND		0.0589	0.0375		mg/kg dry	☼	64	20 - 164
Carbon disulfide	ND		0.0589	0.0374		mg/kg dry	☼	63	32 - 144
Carbon Tetrachloride	ND		0.0589	0.0444		mg/kg dry	☼	75	31 - 149
Chlorobenzene	ND		0.0589	0.0438		mg/kg dry	☼	74	25 - 152
Chlorodibromomethane	ND		0.0589	0.0401		mg/kg dry	☼	68	14 - 146
Chloroethane	ND		0.0589	0.0426		mg/kg dry	☼	72	10 - 151
Chloroform	0.00215		0.0589	0.0511	B	mg/kg dry	☼	83	34 - 160
Chloromethane	ND		0.0589	0.0398		mg/kg dry	☼	68	10 - 156
2-Chlorotoluene	ND		0.0589	0.0387		mg/kg dry	☼	66	20 - 156

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

Lab Sample ID: 12E4615-MS1 | **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: V008445 | **Prep Batch: 12E4615_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	ND		0.0589	0.0373		mg/kg dry	☼	63	17 - 159
1,2-Dibromoethane (EDB)	ND		0.0589	0.0447		mg/kg dry	☼	76	18 - 156
Dibromomethane	ND		0.0589	0.0419		mg/kg dry	☼	71	20 - 146
1,4-Dichlorobenzene	ND		0.0589	0.0387		mg/kg dry	☼	66	11 - 159
1,3-Dichlorobenzene	ND		0.0589	0.0398		mg/kg dry	☼	68	10 - 162
1,2-Dichlorobenzene	ND		0.0589	0.0390		mg/kg dry	☼	66	10 - 160
Dichlorodifluoromethane	ND		0.0589	0.0452		mg/kg dry	☼	77	10 - 143
1,1-Dichloroethane	ND		0.0589	0.0437		mg/kg dry	☼	74	42 - 136
1,2-Dichloroethane	ND		0.0589	0.0456		mg/kg dry	☼	77	28 - 138
cis-1,2-Dichloroethene	ND		0.0589	0.0444		mg/kg dry	☼	75	36 - 139
1,1-Dichloroethene	ND		0.0589	0.0470		mg/kg dry	☼	80	41 - 143
trans-1,2-Dichloroethene	ND		0.0589	0.0447		mg/kg dry	☼	76	39 - 140
1,3-Dichloropropane	ND		0.0589	0.0458		mg/kg dry	☼	78	22 - 148
1,2-Dichloropropane	ND		0.0589	0.0418		mg/kg dry	☼	71	20 - 146
2,2-Dichloropropane	ND		0.0589	0.0431		mg/kg dry	☼	73	33 - 148
cis-1,3-Dichloropropene	ND		0.0589	0.0426		mg/kg dry	☼	72	15 - 166
trans-1,3-Dichloropropene	ND		0.0589	0.0391		mg/kg dry	☼	66	10 - 157
1,1-Dichloropropene	ND		0.0589	0.0472		mg/kg dry	☼	80	38 - 145
Ethylbenzene	ND		0.0589	0.0450		mg/kg dry	☼	76	23 - 161
Hexachlorobutadiene	ND		0.0589	0.0329		mg/kg dry	☼	56	10 - 171
2-Hexanone	ND		0.295	0.194		mg/kg dry	☼	66	10 - 169
Isopropylbenzene	ND		0.0589	0.0449		mg/kg dry	☼	76	23 - 181
p-Isopropyltoluene	ND		0.0589	0.0356		mg/kg dry	☼	60	12 - 168
Methyl tert-Butyl Ether	ND		0.0589	0.0407		mg/kg dry	☼	69	28 - 141
Methylene Chloride	ND		0.0589	0.0532		mg/kg dry	☼	90	24 - 182
4-Methyl-2-pentanone	ND		0.295	0.207		mg/kg dry	☼	70	10 - 168
Naphthalene	ND		0.0589	0.0303		mg/kg dry	☼	51	10 - 176
n-Propylbenzene	ND		0.0589	0.0385		mg/kg dry	☼	65	19 - 162
Styrene	ND		0.0589	0.0258		mg/kg dry	☼	44	10 - 165
1,1,1,2-Tetrachloroethane	ND		0.0589	0.0438		mg/kg dry	☼	74	19 - 158
1,1,2,2-Tetrachloroethane	ND		0.0589	0.0383		mg/kg dry	☼	65	10 - 162
Tetrachloroethene	ND		0.0589	0.0542		mg/kg dry	☼	92	33 - 161
Toluene	ND		0.0589	0.0473		mg/kg dry	☼	80	30 - 155
1,2,3-Trichlorobenzene	ND		0.0589	0.0350		mg/kg dry	☼	59	10 - 157
1,2,4-Trichlorobenzene	ND		0.0589	0.0359		mg/kg dry	☼	61	10 - 167
1,1,2-Trichloroethane	ND		0.0589	0.0489		mg/kg dry	☼	83	19 - 157
1,1,1-Trichloroethane	ND		0.0589	0.0449		mg/kg dry	☼	76	35 - 149
Trichloroethene	ND		0.0589	0.0456		mg/kg dry	☼	77	27 - 153
Trichlorofluoromethane	ND		0.0589	0.0507		mg/kg dry	☼	86	25 - 137
1,2,3-Trichloropropane	ND		0.0589	0.0387		mg/kg dry	☼	66	10 - 157
1,3,5-Trimethylbenzene	ND		0.0589	0.0383		mg/kg dry	☼	65	18 - 164
1,2,4-Trimethylbenzene	ND		0.0589	0.0384		mg/kg dry	☼	65	14 - 165
Vinyl chloride	ND		0.0589	0.0417		mg/kg dry	☼	71	20 - 141
Xylenes, total	ND		0.177	0.131		mg/kg dry	☼	74	25 - 162
Diisopropyl Ether	ND		0.0589	0.0493		mg/kg dry	☼	84	35 - 135
1,2-Dichloroethene (total)	ND		0.118	0.0891		mg/kg dry	☼	76	36 - 140

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*95*		*70 - 130*

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

Lab Sample ID: 12E4615-MS1
Matrix: Soil
Analysis Batch: V008445

Client Sample ID: SP-1 (2.5-4)
Prep Type: Total
Prep Batch: 12E4615_P

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8	*103*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*

Lab Sample ID: 12E4615-MSD1
Matrix: Soil
Analysis Batch: V008445

Client Sample ID: SP-1 (2.5-4)
Prep Type: Total
Prep Batch: 12E4615_P

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		0.289	31.4	M7	mg/kg dry	☼	10900	19 - 175	3	50
Benzene	ND		0.0578	0.0526		mg/kg dry	☼	91	31 - 143	15	50
Bromobenzene	ND		0.0578	0.0460		mg/kg dry	☼	79	12 - 157	21	50
Bromochloromethane	ND		0.0578	0.0478		mg/kg dry	☼	83	31 - 141	13	50
Bromodichloromethane	ND		0.0578	0.0470		mg/kg dry	☼	81	19 - 148	16	50
Bromoform	ND		0.0578	0.0446		mg/kg dry	☼	77	10 - 165	12	50
Bromomethane	ND		0.0578	0.0481		mg/kg dry	☼	83	10 - 164	14	50
1,2-Dibromo-3-chloropropane	ND		0.0578	0.0383		mg/kg dry	☼	66	10 - 147	15	50
2-Butanone	ND		0.289	0.231		mg/kg dry	☼	80	18 - 153	17	50
sec-Butylbenzene	ND		0.0578	0.0478		mg/kg dry	☼	83	12 - 170	23	50
n-Butylbenzene	ND		0.0578	0.0416		mg/kg dry	☼	72	10 - 175	22	50
tert-Butylbenzene	ND		0.0578	0.0464		mg/kg dry	☼	80	20 - 164	21	50
Carbon disulfide	ND		0.0578	0.0433		mg/kg dry	☼	75	32 - 144	15	50
Carbon Tetrachloride	ND		0.0578	0.0521		mg/kg dry	☼	90	31 - 149	16	50
Chlorobenzene	ND		0.0578	0.0515		mg/kg dry	☼	89	25 - 152	16	50
Chlorodibromomethane	ND		0.0578	0.0457		mg/kg dry	☼	79	14 - 146	13	50
Chloroethane	ND		0.0578	0.0483		mg/kg dry	☼	84	10 - 151	12	50
Chloroform	0.00215		0.0578	0.0571	B	mg/kg dry	☼	95	34 - 160	11	49
Chloromethane	ND		0.0578	0.0451		mg/kg dry	☼	78	10 - 156	13	50
2-Chlorotoluene	ND		0.0578	0.0459		mg/kg dry	☼	79	20 - 156	17	50
4-Chlorotoluene	ND		0.0578	0.0440		mg/kg dry	☼	76	17 - 159	16	50
1,2-Dibromoethane (EDB)	ND		0.0578	0.0494		mg/kg dry	☼	85	18 - 156	10	50
Dibromomethane	ND		0.0578	0.0482		mg/kg dry	☼	83	20 - 146	14	50
1,4-Dichlorobenzene	ND		0.0578	0.0459		mg/kg dry	☼	79	11 - 159	17	50
1,3-Dichlorobenzene	ND		0.0578	0.0467		mg/kg dry	☼	81	10 - 162	16	50
1,2-Dichlorobenzene	ND		0.0578	0.0460		mg/kg dry	☼	80	10 - 160	17	50
Dichlorodifluoromethane	ND		0.0578	0.0505		mg/kg dry	☼	87	10 - 143	11	50
1,1-Dichloroethane	ND		0.0578	0.0509		mg/kg dry	☼	88	42 - 136	15	50
1,2-Dichloroethane	ND		0.0578	0.0513		mg/kg dry	☼	89	28 - 138	12	50
cis-1,2-Dichloroethene	ND		0.0578	0.0506		mg/kg dry	☼	88	36 - 139	13	50
1,1-Dichloroethene	ND		0.0578	0.0570		mg/kg dry	☼	99	41 - 143	19	50
trans-1,2-Dichloroethene	ND		0.0578	0.0521		mg/kg dry	☼	90	39 - 140	15	50
1,3-Dichloropropane	ND		0.0578	0.0518		mg/kg dry	☼	90	22 - 148	12	42
1,2-Dichloropropane	ND		0.0578	0.0473		mg/kg dry	☼	82	20 - 146	13	50
2,2-Dichloropropane	ND		0.0578	0.0492		mg/kg dry	☼	85	33 - 148	13	50
cis-1,3-Dichloropropene	ND		0.0578	0.0474		mg/kg dry	☼	82	15 - 166	11	50
trans-1,3-Dichloropropene	ND		0.0578	0.0437		mg/kg dry	☼	76	10 - 157	11	50
1,1-Dichloropropene	ND		0.0578	0.0548		mg/kg dry	☼	95	38 - 145	15	50
Ethylbenzene	ND		0.0578	0.0528		mg/kg dry	☼	91	23 - 161	16	50
Hexachlorobutadiene	ND		0.0578	0.0432		mg/kg dry	☼	75	10 - 171	27	50

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

Lab Sample ID: 12E4615-MSD1 — **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: V008445 — **Prep Batch: 12E4615_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone	ND		0.289	0.215		mg/kg dry	☼	75	10 - 169	10	50
Isopropylbenzene	ND		0.0578	0.0535		mg/kg dry	☼	93	23 - 181	17	50
p-Isopropyltoluene	ND		0.0578	0.0456		mg/kg dry	☼	79	12 - 168	25	50
Methyl tert-Butyl Ether	ND		0.0578	0.0464		mg/kg dry	☼	80	28 - 141	13	50
Methylene Chloride	ND		0.0578	0.0586		mg/kg dry	☼	101	24 - 182	10	50
4-Methyl-2-pentanone	ND		0.289	0.223		mg/kg dry	☼	77	10 - 168	7	50
Naphthalene	ND		0.0578	0.0308		mg/kg dry	☼	53	10 - 176	1	50
n-Propylbenzene	ND		0.0578	0.0486		mg/kg dry	☼	84	19 - 162	23	50
Styrene	ND		0.0578	0.0234		mg/kg dry	☼	40	10 - 165	10	50
1,1,1,2-Tetrachloroethane	ND		0.0578	0.0500		mg/kg dry	☼	87	19 - 158	13	50
1,1,2,2-Tetrachloroethane	ND		0.0578	0.0439		mg/kg dry	☼	76	10 - 162	14	50
Tetrachloroethene	ND		0.0578	0.0624		mg/kg dry	☼	108	33 - 161	14	50
Toluene	ND		0.0578	0.0534		mg/kg dry	☼	92	30 - 155	12	50
1,2,3-Trichlorobenzene	ND		0.0578	0.0382		mg/kg dry	☼	66	10 - 157	9	50
1,2,4-Trichlorobenzene	ND		0.0578	0.0396		mg/kg dry	☼	69	10 - 167	10	50
1,1,2-Trichloroethane	ND		0.0578	0.0517		mg/kg dry	☼	89	19 - 157	6	50
1,1,1-Trichloroethane	ND		0.0578	0.0522		mg/kg dry	☼	90	35 - 149	15	50
Trichloroethene	ND		0.0578	0.0550		mg/kg dry	☼	95	27 - 153	19	50
Trichlorofluoromethane	ND		0.0578	0.0582		mg/kg dry	☼	101	25 - 137	14	50
1,2,3-Trichloropropane	ND		0.0578	0.0428		mg/kg dry	☼	74	10 - 157	10	50
1,3,5-Trimethylbenzene	ND		0.0578	0.0461		mg/kg dry	☼	80	18 - 164	19	50
1,2,4-Trimethylbenzene	ND		0.0578	0.0462		mg/kg dry	☼	80	14 - 165	18	50
Vinyl chloride	ND		0.0578	0.0480		mg/kg dry	☼	83	20 - 141	14	50
Xylenes, total	ND		0.173	0.156		mg/kg dry	☼	90	25 - 162	17	50
Diisopropyl Ether	ND		0.0578	0.0553		mg/kg dry	☼	96	35 - 135	11	45
1,2-Dichloroethene (total)	ND		0.116	0.103		mg/kg dry	☼	89	36 - 140	14	41

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*97*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8	*102*		*70 - 130*
4-Bromofluorobenzene	*95*		*70 - 130*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Lab Sample ID: 12E3990-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12E3990 — **Prep Batch: 12E3990_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Acenaphthylene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Anthracene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Benzo (a) anthracene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Benzo (a) pyrene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Benzo (b) fluoranthene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Benzo (g,h,i) perylene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Benzo (k) fluoranthene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Chrysene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 12E3990-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12E3990 — **Prep Batch: 12E3990_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz (a,h) anthracene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Fluoranthene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Fluorene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Naphthalene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Phenanthrene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00
Pyrene	ND		0.0670		mg/kg wet		05/18/12 12:27	05/19/12 23:15	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*89*		*18 - 120*	*05/18/12 12:27*	*05/19/12 23:15*	*1.00*
2-Fluorobiphenyl	*71*		*14 - 120*	*05/18/12 12:27*	*05/19/12 23:15*	*1.00*
Nitrobenzene-d5	*65*		*17 - 120*	*05/18/12 12:27*	*05/19/12 23:15*	*1.00*

Lab Sample ID: 12E3990-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12E3990 — **Prep Batch: 12E3990_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.56		mg/kg wet		93	36 - 120
Acenaphthylene	1.67	1.55		mg/kg wet		93	38 - 120
Anthracene	1.67	1.60		mg/kg wet		96	46 - 124
Benzo (a) anthracene	1.67	1.61		mg/kg wet		96	45 - 120
Benzo (a) pyrene	1.67	1.71		mg/kg wet		102	45 - 120
Benzo (b) fluoranthene	1.67	1.57		mg/kg wet		94	42 - 120
Benzo (g,h,i) perylene	1.67	1.63		mg/kg wet		98	38 - 120
Benzo (k) fluoranthene	1.67	1.63		mg/kg wet		98	42 - 120
Chrysene	1.67	1.56		mg/kg wet		94	43 - 120
Dibenz (a,h) anthracene	1.67	1.56		mg/kg wet		93	32 - 128
Fluoranthene	1.67	1.58		mg/kg wet		95	46 - 120
Fluorene	1.67	1.64		mg/kg wet		98	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.59		mg/kg wet		95	41 - 121
Naphthalene	1.67	1.51		mg/kg wet		91	32 - 120
Phenanthrene	1.67	1.59		mg/kg wet		96	45 - 120
Pyrene	1.67	1.60		mg/kg wet		96	43 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*87*		*18 - 120*
2-Fluorobiphenyl	*70*		*14 - 120*
Nitrobenzene-d5	*58*		*17 - 120*

Lab Sample ID: 12E3990-MS1 — **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12E3990 — **Prep Batch: 12E3990_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		2.03	1.77		mg/kg dry	☼	87	19 - 120
Acenaphthylene	ND		2.03	1.76		mg/kg dry	☼	87	25 - 120
Anthracene	ND		2.03	1.83		mg/kg dry	☼	90	28 - 125
Benzo (a) anthracene	ND		2.03	1.86		mg/kg dry	☼	91	23 - 120

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 12E3990-MS1 | **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: 12E3990 | **Prep Batch: 12E3990_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo (a) pyrene	ND		2.03	1.98		mg/kg dry	☼	97	15 - 128
Benzo (b) fluoranthene	ND		2.03	1.91		mg/kg dry	☼	94	12 - 133
Benzo (g,h,i) perylene	ND		2.03	1.84		mg/kg dry	☼	90	22 - 120
Benzo (k) fluoranthene	ND		2.03	1.73		mg/kg dry	☼	85	28 - 120
Chrysene	ND		2.03	1.79		mg/kg dry	☼	88	20 - 120
Dibenz (a,h) anthracene	ND		2.03	1.77		mg/kg dry	☼	87	12 - 128
Fluoranthene	0.0454		2.03	1.88		mg/kg dry	☼	90	10 - 143
Fluorene	ND		2.03	1.91		mg/kg dry	☼	94	20 - 120
Indeno (1,2,3-cd) pyrene	ND		2.03	1.80		mg/kg dry	☼	89	22 - 121
Naphthalene	ND		2.03	1.71		mg/kg dry	☼	84	10 - 120
Phenanthrene	ND		2.03	1.85		mg/kg dry	☼	91	21 - 122
Pyrene	ND		2.03	1.83		mg/kg dry	☼	90	20 - 123

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
Terphenyl-d14	*79*		*18 - 120*
2-Fluorobiphenyl	*62*		*14 - 120*
Nitrobenzene-d5	*51*		*17 - 120*

Lab Sample ID: 12E3990-MSD1 | **Client Sample ID: SP-1 (2.5-4)**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: 12E3990 | **Prep Batch: 12E3990_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	trix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		2.01	1.63		mg/kg dry	☼	81	19 - 120	8	50
Acenaphthylene	ND		2.01	1.61		mg/kg dry	☼	80	25 - 120	9	50
Anthracene	ND		2.01	1.71		mg/kg dry	☼	85	28 - 125	7	49
Benzo (a) anthracene	ND		2.01	1.72		mg/kg dry	☼	86	23 - 120	8	50
Benzo (a) pyrene	ND		2.01	1.84		mg/kg dry	☼	92	15 - 128	7	50
Benzo (b) fluoranthene	ND		2.01	1.75		mg/kg dry	☼	87	12 - 133	9	50
Benzo (g,h,i) perylene	ND		2.01	1.63		mg/kg dry	☼	81	22 - 120	12	50
Benzo (k) fluoranthene	ND		2.01	1.64		mg/kg dry	☼	82	28 - 120	5	45
Chrysene	ND		2.01	1.67		mg/kg dry	☼	83	20 - 120	7	49
Dibenz (a,h) anthracene	ND		2.01	1.59		mg/kg dry	☼	79	12 - 128	11	50
Fluoranthene	0.0454		2.01	1.76		mg/kg dry	☼	85	10 - 143	7	50
Fluorene	ND		2.01	1.76		mg/kg dry	☼	88	20 - 120	8	50
Indeno (1,2,3-cd) pyrene	ND		2.01	1.63		mg/kg dry	☼	81	22 - 121	10	50
Naphthalene	ND		2.01	1.59		mg/kg dry	☼	79	10 - 120	7	50
Phenanthrene	ND		2.01	1.72		mg/kg dry	☼	86	21 - 122	8	50
Pyrene	ND		2.01	1.64		mg/kg dry	☼	82	20 - 123	11	50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*71*		*18 - 120*
2-Fluorobiphenyl	*56*		*14 - 120*
Nitrobenzene-d5	*47*		*17 - 120*

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12E4015-DUP1
Matrix: Soil
Analysis Batch: 12E4015

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 12E4015_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	80.1			82.0		%				2	20

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

GCMS Volatiles

Analysis Batch: V008345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4178-BLK1	Method Blank	Total	Water	SW846 8260B	12E4178_P
12E4178-BS1	Lab Control Sample	Total	Water	SW846 8260B	12E4178_P
12E4178-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	12E4178_P
12E4178-MS1	Matrix Spike	Total	Water	SW846 8260B	12E4178_P
12E4178-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8260B	12E4178_P
NWE2093-05	Trip Blank	Total	Water	SW846 8260B	12E4178_P

Analysis Batch: V008445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4615-BLK1	Method Blank	Total	Soil	SW846 8260B	12E4615_P
12E4615-BLK2	Method Blank	Total	Soil	SW846 8260B	12E4615_P
12E4615-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12E4615_P
12E4615-MS1	SP-1 (2.5-4)	Total	Soil	SW846 8260B	12E4615_P
12E4615-MSD1	SP-1 (2.5-4)	Total	Soil	SW846 8260B	12E4615_P
NWE2093-01	SP-1 (2.5-4)	Total	Soil	SW846 8260B	12E4615_P
NWE2093-02	SP-2 (4-5)	Total	Soil	SW846 8260B	12E4615_P
NWE2093-03	SP-3 (2-3)	Total	Soil	SW846 8260B	12E4615_P
NWE2093-04	SP-4 (3-4)	Total	Soil	SW846 8260B	12E4615_P

Prep Batch: 12E4178_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4178-BLK1	Method Blank	Total	Water	EPA 5030B	
12E4178-BS1	Lab Control Sample	Total	Water	EPA 5030B	
12E4178-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
12E4178-MS1	Matrix Spike	Total	Water	EPA 5030B	
12E4178-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B	
NWE2093-05	Trip Blank	Total	Water	EPA 5030B	

Prep Batch: 12E4615_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4615-BLK1	Method Blank	Total	Soil	EPA 5035	
12E4615-BLK2	Method Blank	Total	Soil	EPA 5035	
12E4615-BS1	Lab Control Sample	Total	Soil	EPA 5035	
12E4615-MS1	SP-1 (2.5-4)	Total	Soil	EPA 5035	
12E4615-MSD1	SP-1 (2.5-4)	Total	Soil	EPA 5035	
NWE2093-01	SP-1 (2.5-4)	Total	Soil	EPA 5035	
NWE2093-02	SP-2 (4-5)	Total	Soil	EPA 5035	
NWE2093-03	SP-3 (2-3)	Total	Soil	EPA 5035	
NWE2093-04	SP-4 (3-4)	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 12E3990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E3990-BLK1	Method Blank	Total	Soil	SW846 8270D	12E3990_P
12E3990-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12E3990_P
12E3990-MS1	SP-1 (2.5-4)	Total	Soil	SW846 8270D	12E3990_P
12E3990-MSD1	SP-1 (2.5-4)	Total	Soil	SW846 8270D	12E3990_P
NWE2093-01	SP-1 (2.5-4)	Total	Soil	SW846 8270D	12E3990_P
NWE2093-02	SP-2 (4-5)	Total	Soil	SW846 8270D	12E3990_P
NWE2093-03	SP-3 (2-3)	Total	Soil	SW846 8270D	12E3990_P
NWE2093-04	SP-4 (3-4)	Total	Soil	SW846 8270D	12E3990_P

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

GCMS Semivolatiles (Continued)

Prep Batch: 12E3990_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E3990-BLK1	Method Blank	Total	Soil	EPA 3550C	
12E3990-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12E3990-MS1	SP-1 (2.5-4)	Total	Soil	EPA 3550C	
12E3990-MSD1	SP-1 (2.5-4)	Total	Soil	EPA 3550C	
NWE2093-01	SP-1 (2.5-4)	Total	Soil	EPA 3550C	
NWE2093-02	SP-2 (4-5)	Total	Soil	EPA 3550C	
NWE2093-03	SP-3 (2-3)	Total	Soil	EPA 3550C	
NWE2093-04	SP-4 (3-4)	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 12E4015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4015-DUP1	Duplicate	Total	Soil	SW-846	12E4015_P
NWE2093-01	SP-1 (2.5-4)	Total	Soil	SW-846	12E4015_P
NWE2093-02	SP-2 (4-5)	Total	Soil	SW-846	12E4015_P
NWE2093-03	SP-3 (2-3)	Total	Soil	SW-846	12E4015_P
NWE2093-04	SP-4 (3-4)	Total	Soil	SW-846	12E4015_P

Prep Batch: 12E4015_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12E4015-DUP1	Duplicate	Total	Soil	% Solids	
NWE2093-01	SP-1 (2.5-4)	Total	Soil	% Solids	
NWE2093-02	SP-2 (4-5)	Total	Soil	% Solids	
NWE2093-03	SP-3 (2-3)	Total	Soil	% Solids	
NWE2093-04	SP-4 (3-4)	Total	Soil	% Solids	

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: SP-1 (2.5-4)

Lab Sample ID: NWE2093-01

Date Collected: 05/16/12 12:05
Matrix: Soil
Date Received: 05/17/12 08:30
Percent Solids: 81

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.951	12E4615_P	05/16/12 12:05	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V008445	05/22/12 01:53	KXC	TAL NSH
Total	Prep	EPA 3550C		0.975	12E3990_P	05/18/12 12:27	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12E3990	05/20/12 00:20	KJP	TAL NSH
Total	Prep	% Solids		1.00	12E4015_P	05/19/12 12:00	ASL	TAL NSH
Total	Analysis	SW-846		1.00	12E4015	05/19/12 12:43	MWT	TAL NSH

Client Sample ID: SP-2 (4-5)

Lab Sample ID: NWE2093-02

Date Collected: 05/16/12 12:20
Matrix: Soil
Date Received: 05/17/12 08:30
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.992	12E4615_P	05/16/12 12:20	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V008445	05/22/12 02:23	KXC	TAL NSH
Total	Prep	EPA 3550C		0.992	12E3990_P	05/18/12 12:27	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12E3990	05/20/12 00:42	KJP	TAL NSH
Total	Prep	% Solids		1.00	12E4015_P	05/19/12 12:00	ASL	TAL NSH
Total	Analysis	SW-846		1.00	12E4015	05/19/12 12:43	MWT	TAL NSH

Client Sample ID: SP-3 (2-3)

Lab Sample ID: NWE2093-03

Date Collected: 05/16/12 12:35
Matrix: Soil
Date Received: 05/17/12 08:30
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.992	12E4615_P	05/16/12 12:35	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V008445	05/22/12 02:52	KXC	TAL NSH
Total	Prep	EPA 3550C		0.976	12E3990_P	05/18/12 12:27	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12E3990	05/20/12 01:04	KJP	TAL NSH
Total	Prep	% Solids		1.00	12E4015_P	05/19/12 12:00	ASL	TAL NSH
Total	Analysis	SW-846		1.00	12E4015	05/19/12 12:43	MWT	TAL NSH

Client Sample ID: SP-4 (3-4)

Lab Sample ID: NWE2093-04

Date Collected: 05/16/12 12:45
Matrix: Soil
Date Received: 05/17/12 08:30
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.940	12E4615_P	05/16/12 12:45	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	V008445	05/22/12 03:22	KXC	TAL NSH
Total	Prep	EPA 3550C		0.993	12E3990_P	05/18/12 12:27	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12E3990	05/20/12 01:26	KJP	TAL NSH
Total	Prep	% Solids		1.00	12E4015_P	05/19/12 12:00	ASL	TAL NSH
Total	Analysis	SW-846		1.00	12E4015	05/19/12 12:43	MWT	TAL NSH

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Client Sample ID: Trip Blank

Lab Sample ID: NWE2093-05

Date Collected: 05/16/12 00:00

Matrix: Water

Date Received: 05/17/12 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12E4178_P	05/17/12 17:25	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V008345	05/18/12 14:18	JJR	TAL NSH

Laboratory References:

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

Method Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

Protocol References:

Laboratory References:

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

Certification Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWE2093

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		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	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	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 DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	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	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

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 REC

NWE2093

Cooler Received/Opened On 5/17/2012 @ 0830

1. Tracking # 1770 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 1.9 *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: 1 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 – Soils

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

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

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) _____

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) _____

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

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

BIS = Broken in shipment

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Charlotte, NC
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

5/24/2012

Client Contact			
Company Name: Hart & Hickman	Client Project Manager: MATT INGALLS	Site Contact:	Lab Contact:
Address: 2923 S. Tryon ST. Suite 100	Telephone: 704 586 0007	Telephone:	Telephone:
City/State/Zip: Charlotte NC 28203	Email: mingalls@harthickman.com		
Phone: 704 586 0007			
Project Name: 1200 South Blvd	Method of Shipment/Carrier:		
Project Number: SBL-002	Shipping/Tracking No:		
P O #			

COC No: 1 of ____ COCs

Analysis Turnaround Time (in B/S days)
TAT if different from below ____
Reg 5 day
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For Lab use Only
Walk-in client ☐
Lab picking ☐
Lab sampling ☐
Job/SDG No. ____

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	Analyses: VOCs (8260B)	PAHs (8270D)	Sample Specific Notes / Special Instructions:
SP-1 (2.5'-4')	05/16/12	1205				X					3		2		N	G	X	X	
SP-2 (4'-5')	05/16/12	1220															X	X	
SP-3 (2'-3')		1235															X	X	
SP4 (3'-4')		1245															X	X	
TRIP BLANK				X													X		

NWE2093
05/24/12 23:59

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Hart & Hickman	5/16/12 1600	[signature] TRN	TRN 1.9	5-17-12 08:30
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

TAL-0018 (1008)

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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: NWF0759
Client Project/Site: SBI-002
Client Project Description: 1200 South Blvd

For:
Hart & Hickman (2162)
2923 South Tryon Street, Suite 100
Charlotte, NC 28203-5449

Attn: Matt Ingalls

Roxanne L. Connor

Authorized for release by:
6/15/2012 10:39:30 AM
Roxanne Connor
Program Manager - Conventional Accounts
roxanne.connor@testamericainc.com

Designee for

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

LINKS

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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: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NWF0759-01	SP-5 (4'-5')	Soil	06/06/12 15:15	06/08/12 08:10
NWF0759-02	SP-6 (4'-5')	Soil	06/06/12 15:30	06/08/12 08:10
NWF0759-03	Trip Blank	Water	06/06/12 00:01	06/08/12 08:10

Case Narrative

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Job ID: NWF0759

Laboratory: TestAmerica Nashville

Narrative

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

Spiking solution for the Matrix Spike for 8270 PAH was inadvertently not added to the sample. Spiking solution was added to the MSD and recoveries were acceptable for all analytes.

Definitions/Glossary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

GCMS Semivolatiles

Qualifier	Qualifier Description
N1	See case narrative.

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: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: SP-5 (4'-5')

Date Collected: 06/06/12 15:15
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-01

Matrix: Soil
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.177		0.0531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Benzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Bromobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Bromochloromethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Bromodichloromethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Bromoform	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Bromomethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dibromo-3-chloropropane	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
2-Butanone	ND		0.0531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
sec-Butylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
n-Butylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
tert-Butylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Carbon disulfide	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Carbon Tetrachloride	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Chlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Chlorodibromomethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Chloroethane	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Chloroform	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Chloromethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
2-Chlorotoluene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
4-Chlorotoluene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dibromoethane (EDB)	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Dibromomethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,4-Dichlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,3-Dichlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dichlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Dichlorodifluoromethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1-Dichloroethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dichloroethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
cis-1,2-Dichloroethene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1-Dichloroethene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
trans-1,2-Dichloroethene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,3-Dichloropropane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dichloropropane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
2,2-Dichloropropane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
cis-1,3-Dichloropropene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
trans-1,3-Dichloropropene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1-Dichloropropene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Ethylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Hexachlorobutadiene	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
2-Hexanone	ND		0.0531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Isopropylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
p-Isopropyltoluene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Methyl tert-Butyl Ether	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Methylene Chloride	ND		0.0106		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
4-Methyl-2-pentanone	ND		0.0531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Naphthalene	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
n-Propylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Styrene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1,1,2-Tetrachloroethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1,2,2-Tetrachloroethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: SP-5 (4'-5')

Date Collected: 06/06/12 15:15
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-01

Matrix: Soil
Percent Solids: 78.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Toluene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2,3-Trichlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2,4-Trichlorobenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1,2-Trichloroethane	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,1,1-Trichloroethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Trichloroethene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Trichlorofluoromethane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2,3-Trichloropropane	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,3,5-Trimethylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2,4-Trimethylbenzene	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Vinyl chloride	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Xylenes, total	ND		0.00531		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
Diisopropyl Ether	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00
1,2-Dichloroethene (total)	ND		0.00212		mg/kg dry	☼	06/06/12 15:15	06/14/12 03:10	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*94*		*70 - 130*	*06/06/12 15:15*	*06/14/12 03:10*	*1.00*
Dibromofluoromethane	*93*		*70 - 130*	*06/06/12 15:15*	*06/14/12 03:10*	*1.00*
Toluene-d8	*102*		*70 - 130*	*06/06/12 15:15*	*06/14/12 03:10*	*1.00*
4-Bromofluorobenzene	*104*		*70 - 130*	*06/06/12 15:15*	*06/14/12 03:10*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Acenaphthylene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Anthracene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Benzo (a) anthracene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Benzo (a) pyrene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Benzo (b) fluoranthene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Benzo (g,h,i) perylene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Benzo (k) fluoranthene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Chrysene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Dibenz (a,h) anthracene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Fluoranthene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Fluorene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Naphthalene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Phenanthrene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00
Pyrene	ND		0.0851		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:39	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*57*		*18 - 120*	*06/09/12 11:17*	*06/11/12 20:39*	*1.00*
2-Fluorobiphenyl	*48*		*14 - 120*	*06/09/12 11:17*	*06/11/12 20:39*	*1.00*
Nitrobenzene-d5	*46*		*17 - 120*	*06/09/12 11:17*	*06/11/12 20:39*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**78.5**		0.500		%		06/08/12 14:20	06/09/12 09:55	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: SP-6 (4'-5')

Date Collected: 06/06/12 15:30
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-02

Matrix: Soil
Percent Solids: 85

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Benzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Bromobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Bromochloromethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Bromodichloromethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Bromoform	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Bromomethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dibromo-3-chloropropane	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
2-Butanone	ND		0.0418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
sec-Butylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
n-Butylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
tert-Butylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Carbon disulfide	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Carbon Tetrachloride	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Chlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Chlorodibromomethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Chloroethane	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Chloroform	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Chloromethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
2-Chlorotoluene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
4-Chlorotoluene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dibromoethane (EDB)	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Dibromomethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,4-Dichlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,3-Dichlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dichlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Dichlorodifluoromethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1-Dichloroethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dichloroethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
cis-1,2-Dichloroethene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1-Dichloroethene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
trans-1,2-Dichloroethene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,3-Dichloropropane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dichloropropane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
2,2-Dichloropropane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
cis-1,3-Dichloropropene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
trans-1,3-Dichloropropene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1-Dichloropropene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Ethylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Hexachlorobutadiene	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
2-Hexanone	ND		0.0418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Isopropylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
p-Isopropyltoluene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Methyl tert-Butyl Ether	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Methylene Chloride	ND		0.00836		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
4-Methyl-2-pentanone	ND		0.0418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Naphthalene	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
n-Propylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Styrene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1,1,2-Tetrachloroethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1,2,2-Tetrachloroethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: SP-6 (4'-5')

Date Collected: 06/06/12 15:30
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-02

Matrix: Soil
Percent Solids: 85

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Toluene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2,3-Trichlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2,4-Trichlorobenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1,2-Trichloroethane	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,1,1-Trichloroethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Trichloroethene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Trichlorofluoromethane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2,3-Trichloropropane	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,3,5-Trimethylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2,4-Trimethylbenzene	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Vinyl chloride	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Xylenes, total	ND		0.00418		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
Diisopropyl Ether	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00
1,2-Dichloroethene (total)	ND		0.00167		mg/kg dry	☼	06/06/12 15:30	06/14/12 03:37	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*97*		*70 - 130*	*06/06/12 15:30*	*06/14/12 03:37*	*1.00*
Dibromofluoromethane	*95*		*70 - 130*	*06/06/12 15:30*	*06/14/12 03:37*	*1.00*
Toluene-d8	*101*		*70 - 130*	*06/06/12 15:30*	*06/14/12 03:37*	*1.00*
4-Bromofluorobenzene	*106*		*70 - 130*	*06/06/12 15:30*	*06/14/12 03:37*	*1.00*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Acenaphthylene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Anthracene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Benzo (a) anthracene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Benzo (a) pyrene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Benzo (b) fluoranthene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Benzo (g,h,i) perylene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Benzo (k) fluoranthene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Chrysene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Dibenz (a,h) anthracene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Fluoranthene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Fluorene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Naphthalene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Phenanthrene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00
Pyrene	ND		0.0783		mg/kg dry	☼	06/09/12 11:17	06/11/12 20:59	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*70*		*18 - 120*	*06/09/12 11:17*	*06/11/12 20:59*	*1.00*
2-Fluorobiphenyl	*57*		*14 - 120*	*06/09/12 11:17*	*06/11/12 20:59*	*1.00*
Nitrobenzene-d5	*55*		*17 - 120*	*06/09/12 11:17*	*06/11/12 20:59*	*1.00*

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	**85.0**		0.500		%		06/08/12 14:20	06/09/12 09:55	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: Trip Blank

Date Collected: 06/06/12 00:01
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-03

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Benzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Bromobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Bromochloromethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Bromodichloromethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Bromoform	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Bromomethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
2-Butanone	ND		50.0		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
sec-Butylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
n-Butylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
tert-Butylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Carbon disulfide	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Carbon Tetrachloride	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Chlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Chlorodibromomethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Chloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Chloroform	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Chloromethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
2-Chlorotoluene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
4-Chlorotoluene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Dibromomethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1-Dichloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2-Dichloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1-Dichloroethene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,3-Dichloropropane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2-Dichloropropane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
2,2-Dichloropropane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1-Dichloropropene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Ethylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Hexachlorobutadiene	ND		2.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
2-Hexanone	ND		10.0		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Isopropylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
p-Isopropyltoluene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Methyl tert-Butyl Ether	ND	L1	1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Methylene Chloride	ND		5.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Naphthalene	ND		5.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
n-Propylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Styrene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: Trip Blank

Date Collected: 06/06/12 00:01
Date Received: 06/08/12 08:10

Lab Sample ID: NWF0759-03

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Toluene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Trichloroethene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Trichlorofluoromethane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Vinyl chloride	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Xylenes, total	ND		3.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00
Diisopropyl Ether	ND		1.00		ug/L		06/08/12 13:20	06/13/12 17:20	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*92*		*70 - 130*	*06/08/12 13:20*	*06/13/12 17:20*	*1.00*
Dibromofluoromethane	*99*		*70 - 130*	*06/08/12 13:20*	*06/13/12 17:20*	*1.00*
Toluene-d8	*93*		*70 - 130*	*06/08/12 13:20*	*06/13/12 17:20*	*1.00*
4-Bromofluorobenzene	*104*		*70 - 130*	*06/08/12 13:20*	*06/13/12 17:20*	*1.00*

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

Lab Sample ID: 12F1548-BLK1
Matrix: Soil
Analysis Batch: 12F1548

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1548_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Benzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Bromobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Bromochloromethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Bromodichloromethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Bromoform	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Bromomethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dibromo-3-chloropropane	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
2-Butanone	ND		0.0500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
sec-Butylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
n-Butylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
tert-Butylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Carbon disulfide	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Carbon Tetrachloride	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Chlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Chlorodibromomethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Chloroethane	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Chloroform	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Chloromethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
2-Chlorotoluene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
4-Chlorotoluene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dibromoethane (EDB)	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Dibromomethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,4-Dichlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,3-Dichlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dichlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Dichlorodifluoromethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1-Dichloroethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dichloroethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
cis-1,2-Dichloroethene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1-Dichloroethene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
trans-1,2-Dichloroethene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,3-Dichloropropane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dichloropropane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
2,2-Dichloropropane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
cis-1,3-Dichloropropene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
trans-1,3-Dichloropropene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1-Dichloropropene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Ethylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Hexachlorobutadiene	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
2-Hexanone	ND		0.0500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Isopropylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
p-Isopropyltoluene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Methyl tert-Butyl Ether	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Methylene Chloride	ND		0.0100		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
4-Methyl-2-pentanone	ND		0.0500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Naphthalene	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
n-Propylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Styrene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00

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

Lab Sample ID: 12F1548-BLK1
Matrix: Soil
Analysis Batch: 12F1548

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1548_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Tetrachloroethene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Toluene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2,3-Trichlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2,4-Trichlorobenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1,2-Trichloroethane	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,1,1-Trichloroethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Trichloroethene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Trichlorofluoromethane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2,3-Trichloropropane	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,3,5-Trimethylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2,4-Trimethylbenzene	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Vinyl chloride	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Xylenes, total	ND		0.00500		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
Diisopropyl Ether	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00
1,2-Dichloroethene (total)	ND		0.00200		mg/kg wet		06/13/12 17:01	06/13/12 20:12	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*103*		*70 - 130*	*06/13/12 17:01*	*06/13/12 20:12*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*06/13/12 17:01*	*06/13/12 20:12*	*1.00*
Toluene-d8	*102*		*70 - 130*	*06/13/12 17:01*	*06/13/12 20:12*	*1.00*
4-Bromofluorobenzene	*105*		*70 - 130*	*06/13/12 17:01*	*06/13/12 20:12*	*1.00*

Lab Sample ID: 12F1548-BS1
Matrix: Soil
Analysis Batch: 12F1548

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1548_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	252		ug/kg		101	51 - 149
Benzene	50.0	53.4		ug/kg		107	75 - 127
Bromobenzene	50.0	58.8		ug/kg		118	75 - 130
Bromochloromethane	50.0	51.6		ug/kg		103	70 - 132
Bromodichloromethane	50.0	55.8		ug/kg		112	68 - 135
Bromoform	50.0	59.1		ug/kg		118	36 - 150
Bromomethane	50.0	39.1		ug/kg		78	43 - 142
1,2-Dibromo-3-chloropropane	50.0	59.3		ug/kg		119	49 - 142
2-Butanone	250	250		ug/kg		100	61 - 132
sec-Butylbenzene	50.0	60.1		ug/kg		120	79 - 141
n-Butylbenzene	50.0	61.0		ug/kg		122	72 - 152
tert-Butylbenzene	50.0	58.6		ug/kg		117	80 - 132
Carbon disulfide	50.0	47.0		ug/kg		94	74 - 135
Carbon Tetrachloride	50.0	50.4		ug/kg		101	70 - 141
Chlorobenzene	50.0	56.0		ug/kg		112	84 - 125
Chlorodibromomethane	50.0	57.7		ug/kg		115	66 - 134
Chloroethane	50.0	50.2		ug/kg		100	53 - 144
Chloroform	50.0	53.0		ug/kg		106	76 - 130
Chloromethane	50.0	42.4		ug/kg		85	23 - 150
2-Chlorotoluene	50.0	58.8		ug/kg		118	78 - 132

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

Lab Sample ID: 12F1548-BS1
Matrix: Soil
Analysis Batch: 12F1548

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1548_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chlorotoluene	50.0	60.7		ug/kg		121	77 - 138
1,2-Dibromoethane (EDB)	50.0	58.8		ug/kg		118	80 - 135
Dibromomethane	50.0	54.0		ug/kg		108	71 - 130
1,4-Dichlorobenzene	50.0	61.6		ug/kg		123	77 - 139
1,3-Dichlorobenzene	50.0	61.0		ug/kg		122	79 - 137
1,2-Dichlorobenzene	50.0	60.1		ug/kg		120	80 - 134
Dichlorodifluoromethane	50.0	25.3		ug/kg		51	12 - 144
1,1-Dichloroethane	50.0	53.4		ug/kg		107	75 - 124
1,2-Dichloroethane	50.0	48.1		ug/kg		96	65 - 134
cis-1,2-Dichloroethene	50.0	51.3		ug/kg		103	75 - 125
1,1-Dichloroethene	50.0	49.5		ug/kg		99	75 - 131
trans-1,2-Dichloroethene	50.0	51.0		ug/kg		102	76 - 128
1,3-Dichloropropane	50.0	57.2		ug/kg		114	78 - 126
1,2-Dichloropropane	50.0	54.3		ug/kg		109	69 - 120
2,2-Dichloropropane	50.0	51.6		ug/kg		103	68 - 145
cis-1,3-Dichloropropene	50.0	59.5		ug/kg		119	73 - 148
trans-1,3-Dichloropropene	50.0	53.6		ug/kg		107	62 - 139
1,1-Dichloropropene	50.0	52.0		ug/kg		104	79 - 127
Ethylbenzene	50.0	56.7		ug/kg		113	80 - 134
Hexachlorobutadiene	50.0	57.7		ug/kg		115	65 - 148
2-Hexanone	250	292		ug/kg		117	57 - 148
Isopropylbenzene	50.0	60.5		ug/kg		121	80 - 150
p-Isopropyltoluene	50.0	57.8		ug/kg		116	77 - 141
Methyl tert-Butyl Ether	50.0	50.1		ug/kg		100	70 - 136
Methylene Chloride	50.0	49.7		ug/kg		99	68 - 144
4-Methyl-2-pentanone	250	300		ug/kg		120	59 - 138
Naphthalene	50.0	56.9		ug/kg		114	69 - 150
n-Propylbenzene	50.0	61.0		ug/kg		122	75 - 137
Styrene	50.0	58.6		ug/kg		117	82 - 137
1,1,1,2-Tetrachloroethane	50.0	56.2		ug/kg		112	80 - 136
1,1,2,2-Tetrachloroethane	50.0	64.8		ug/kg		130	66 - 134
Tetrachloroethene	50.0	58.4		ug/kg		117	78 - 140
Toluene	50.0	56.9		ug/kg		114	80 - 132
1,2,3-Trichlorobenzene	50.0	59.2		ug/kg		118	70 - 150
1,2,4-Trichlorobenzene	50.0	60.8		ug/kg		122	62 - 150
1,1,2-Trichloroethane	50.0	58.7		ug/kg		117	78 - 128
1,1,1-Trichloroethane	50.0	50.8		ug/kg		102	72 - 140
Trichloroethene	50.0	52.2		ug/kg		104	77 - 127
Trichlorofluoromethane	50.0	45.8		ug/kg		92	50 - 140
1,2,3-Trichloropropane	50.0	59.9		ug/kg		120	65 - 139
1,3,5-Trimethylbenzene	50.0	58.1		ug/kg		116	78 - 138
1,2,4-Trimethylbenzene	50.0	57.4		ug/kg		115	77 - 139
Vinyl chloride	50.0	52.1		ug/kg		104	47 - 136
Xylenes, total	150	167		ug/kg		111	80 - 137
Diisopropyl Ether	50.0	52.1		ug/kg		104	68 - 124
1,2-Dichloroethene (total)	100	102		ug/kg		102	75 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*100*		*70 - 130*

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

Lab Sample ID: 12F1548-BS1
Matrix: Soil
Analysis Batch: 12F1548

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1548_P

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8	*102*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*

Lab Sample ID: 12F1814-BLK1
Matrix: Water
Analysis Batch: V009776

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1814_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Benzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Bromobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Bromochloromethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Bromodichloromethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Bromoform	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Bromomethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
2-Butanone	ND		50.0		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
sec-Butylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
n-Butylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
tert-Butylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Carbon disulfide	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Carbon Tetrachloride	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Chlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Chlorodibromomethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Chloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Chloroform	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Chloromethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
2-Chlorotoluene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
4-Chlorotoluene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Dibromomethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1-Dichloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2-Dichloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1-Dichloroethene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,3-Dichloropropane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2-Dichloropropane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
2,2-Dichloropropane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1-Dichloropropene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Ethylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Hexachlorobutadiene	ND		2.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00

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

Lab Sample ID: 12F1814-BLK1
Matrix: Water
Analysis Batch: V009776

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 12F1814_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		10.0		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Isopropylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
p-Isopropyltoluene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Methylene Chloride	ND		5.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Naphthalene	ND		5.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
n-Propylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Styrene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Tetrachloroethene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Toluene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Trichloroethene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Trichlorofluoromethane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Vinyl chloride	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Xylenes, total	ND		3.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00
Diisopropyl Ether	ND		1.00		ug/L		06/09/12 15:08	06/13/12 15:15	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*90*		*70 - 130*	*06/09/12 15:08*	*06/13/12 15:15*	*1.00*
Dibromofluoromethane	*96*		*70 - 130*	*06/09/12 15:08*	*06/13/12 15:15*	*1.00*
Toluene-d8	*94*		*70 - 130*	*06/09/12 15:08*	*06/13/12 15:15*	*1.00*
4-Bromofluorobenzene	*107*		*70 - 130*	*06/09/12 15:08*	*06/13/12 15:15*	*1.00*

Lab Sample ID: 12F1814-BS1
Matrix: Water
Analysis Batch: V009776

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1814_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	103		ug/L		103	54 - 145
Benzene	20.0	21.5		ug/L		108	80 - 121
Bromobenzene	20.0	20.8		ug/L		104	68 - 130
Bromochloromethane	20.0	20.9		ug/L		104	78 - 129
Bromodichloromethane	20.0	21.3		ug/L		106	75 - 129
Bromoform	20.0	17.5		ug/L		88	46 - 145
Bromomethane	20.0	17.1		ug/L		85	41 - 150
2-Butanone	100	122		ug/L		122	62 - 133
sec-Butylbenzene	20.0	22.1		ug/L		110	76 - 128
n-Butylbenzene	20.0	21.2		ug/L		106	68 - 132
tert-Butylbenzene	20.0	21.3		ug/L		107	76 - 126
Carbon disulfide	20.0	17.8		ug/L		89	77 - 126

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

Lab Sample ID: 12F1814-BS1
Matrix: Water
Analysis Batch: V009776

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 12F1814_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon Tetrachloride	20.0	20.1		ug/L		101	64 - 147
Chlorobenzene	20.0	21.1		ug/L		105	80 - 120
Chlorodibromomethane	20.0	18.0		ug/L		90	69 - 133
Chloroethane	20.0	17.4		ug/L		87	72 - 120
Chloroform	20.0	20.2		ug/L		101	73 - 129
Chloromethane	20.0	23.4		ug/L		117	12 - 150
2-Chlorotoluene	20.0	21.5		ug/L		107	75 - 126
4-Chlorotoluene	20.0	21.5		ug/L		108	75 - 130
1,2-Dibromo-3-chloropropane	20.0	22.3		ug/L		112	54 - 125
1,2-Dibromoethane (EDB)	20.0	22.3		ug/L		111	80 - 129
Dibromomethane	20.0	21.3		ug/L		106	71 - 125
1,4-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 120
1,3-Dichlorobenzene	20.0	21.1		ug/L		106	80 - 122
1,2-Dichlorobenzene	20.0	21.7		ug/L		109	80 - 121
Dichlorodifluoromethane	20.0	18.4		ug/L		92	37 - 127
1,1-Dichloroethane	20.0	19.9		ug/L		99	78 - 125
1,2-Dichloroethane	20.0	19.1		ug/L		95	77 - 121
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	76 - 125
1,1-Dichloroethene	20.0	19.1		ug/L		96	79 - 124
trans-1,2-Dichloroethene	20.0	19.5		ug/L		97	79 - 126
1,3-Dichloropropane	20.0	20.2		ug/L		101	80 - 125
1,2-Dichloropropane	20.0	19.9		ug/L		100	75 - 120
2,2-Dichloropropane	20.0	21.5		ug/L		108	43 - 161
cis-1,3-Dichloropropene	20.0	18.5		ug/L		93	74 - 140
trans-1,3-Dichloropropene	20.0	17.5		ug/L		87	63 - 134
1,1-Dichloropropene	20.0	20.2		ug/L		101	80 - 122
Ethylbenzene	20.0	21.6		ug/L		108	80 - 130
Hexachlorobutadiene	20.0	18.6		ug/L		93	49 - 146
2-Hexanone	100	116		ug/L		116	60 - 142
Isopropylbenzene	20.0	23.0		ug/L		115	80 - 141
p-Isopropyltoluene	20.0	21.6		ug/L		108	75 - 128
Methyl tert-Butyl Ether	20.0	28.2	L1	ug/L		141	72 - 133
Methylene Chloride	20.0	21.1		ug/L		106	79 - 123
4-Methyl-2-pentanone	100	114		ug/L		114	60 - 137
Naphthalene	20.0	23.6		ug/L		118	62 - 138
n-Propylbenzene	20.0	21.8		ug/L		109	75 - 129
Styrene	20.0	22.3		ug/L		112	80 - 127
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		94	74 - 135
1,1,2,2-Tetrachloroethane	20.0	22.3		ug/L		112	69 - 131
Tetrachloroethene	20.0	19.9		ug/L		99	80 - 126
Toluene	20.0	21.1		ug/L		105	80 - 126
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	62 - 133
1,2,4-Trichlorobenzene	20.0	20.6		ug/L		103	63 - 133
1,1,2-Trichloroethane	20.0	21.6		ug/L		108	80 - 124
1,1,1-Trichloroethane	20.0	21.8		ug/L		109	78 - 135
Trichloroethene	20.0	21.3		ug/L		107	80 - 123
Trichlorofluoromethane	20.0	17.9		ug/L		90	65 - 124
1,2,3-Trichloropropane	20.0	23.8		ug/L		119	70 - 131
1,3,5-Trimethylbenzene	20.0	22.5		ug/L		112	77 - 127
1,2,4-Trimethylbenzene	20.0	22.3		ug/L		112	77 - 126

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

Lab Sample ID: 12F1814-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: V009776 — **Prep Batch: 12F1814_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	20.0	18.0		ug/L		90	68 - 120
Xylenes, total	60.0	64.8		ug/L		108	80 - 132
Diisopropyl Ether	20.0	19.3		ug/L		96	62 - 137

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*86*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8	*95*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D

Lab Sample ID: 12F1551-BLK1 — **Client Sample ID: Method Blank**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12F1551 — **Prep Batch: 12F1551_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Acenaphthylene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Anthracene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Benzo (a) anthracene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Benzo (a) pyrene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Benzo (b) fluoranthene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Benzo (g,h,i) perylene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Benzo (k) fluoranthene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Chrysene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Dibenz (a,h) anthracene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Fluoranthene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Fluorene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Naphthalene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Phenanthrene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00
Pyrene	ND		0.0670		mg/kg wet		06/09/12 11:17	06/11/12 19:39	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*85*		*18 - 120*	*06/09/12 11:17*	*06/11/12 19:39*	*1.00*
2-Fluorobiphenyl	*67*		*14 - 120*	*06/09/12 11:17*	*06/11/12 19:39*	*1.00*
Nitrobenzene-d5	*65*		*17 - 120*	*06/09/12 11:17*	*06/11/12 19:39*	*1.00*

Lab Sample ID: 12F1551-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: 12F1551 — **Prep Batch: 12F1551_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.11		mg/kg wet		66	36 - 120
Acenaphthylene	1.67	1.24		mg/kg wet		74	38 - 120
Anthracene	1.67	1.22		mg/kg wet		73	46 - 124
Benzo (a) anthracene	1.67	1.26		mg/kg wet		75	45 - 120
Benzo (a) pyrene	1.67	1.36		mg/kg wet		82	45 - 120

Method: SW846 8270D - Polyaromatic Hydrocarbons by EPA 8270D (Continued)

Lab Sample ID: 12F1551-BS1 | **Client Sample ID: Lab Control Sample**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: 12F1551 | **Prep Batch: 12F1551_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo (b) fluoranthene	1.67	1.24		mg/kg wet		74	42 - 120
Benzo (g,h,i) perylene	1.67	1.27		mg/kg wet		76	38 - 120
Benzo (k) fluoranthene	1.67	1.24		mg/kg wet		74	42 - 120
Chrysene	1.67	1.15		mg/kg wet		69	43 - 120
Dibenz (a,h) anthracene	1.67	1.31		mg/kg wet		79	32 - 128
Fluoranthene	1.67	1.24		mg/kg wet		75	46 - 120
Fluorene	1.67	1.28		mg/kg wet		77	42 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.26		mg/kg wet		76	41 - 121
Naphthalene	1.67	1.27		mg/kg wet		76	32 - 120
Phenanthrene	1.67	1.19		mg/kg wet		71	45 - 120
Pyrene	1.67	1.20		mg/kg wet		72	43 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*68*		*18 - 120*
2-Fluorobiphenyl	*53*		*14 - 120*
Nitrobenzene-d5	*53*		*17 - 120*

Lab Sample ID: 12F1551-MSD1 | **Client Sample ID: SP-5 (4'-5')**
Matrix: Soil | **Prep Type: Total**
Analysis Batch: 12F1551 | **Prep Batch: 12F1551_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		2.11	1.25	N1	mg/kg dry	☼	59	19 - 120		50
Acenaphthylene	ND		2.11	1.35	N1	mg/kg dry	☼	64	25 - 120		50
Anthracene	ND		2.11	1.34	N1	mg/kg dry	☼	63	28 - 125		49
Benzo (a) anthracene	ND		2.11	1.33	N1	mg/kg dry	☼	63	23 - 120		50
Benzo (a) pyrene	ND		2.11	1.44	N1	mg/kg dry	☼	68	15 - 128		50
Benzo (b) fluoranthene	ND		2.11	1.37	N1	mg/kg dry	☼	65	12 - 133		50
Benzo (g,h,i) perylene	ND		2.11	1.25	N1	mg/kg dry	☼	59	22 - 120		50
Benzo (k) fluoranthene	ND		2.11	1.33	N1	mg/kg dry	☼	63	28 - 120		45
Chrysene	ND		2.11	1.30	N1	mg/kg dry	☼	62	20 - 120		49
Dibenz (a,h) anthracene	ND		2.11	1.30	N1	mg/kg dry	☼	61	12 - 128		50
Fluoranthene	ND		2.11	1.41	N1	mg/kg dry	☼	67	10 - 143	185	50
Fluorene	ND		2.11	1.38	N1	mg/kg dry	☼	65	20 - 120		50
Indeno (1,2,3-cd) pyrene	ND		2.11	1.29	N1	mg/kg dry	☼	61	22 - 121		50
Naphthalene	ND		2.11	1.41	N1	mg/kg dry	☼	67	10 - 120		50
Phenanthrene	ND		2.11	1.34	N1	mg/kg dry	☼	63	21 - 122		50
Pyrene	ND		2.11	1.28	N1	mg/kg dry	☼	60	20 - 123		50

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
Terphenyl-d14	*56*		*18 - 120*
2-Fluorobiphenyl	*45*		*14 - 120*
Nitrobenzene-d5	*45*		*17 - 120*

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 12F1550-DUP1
Matrix: Soil
Analysis Batch: 12F1550

Client Sample ID: SP-5 (4'-5')
Prep Type: Total
Prep Batch: 12F1550_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D			RPD	RPD Limit
% Dry Solids	78.5			78.8		%				0.5	20

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

GCMS Volatiles

Analysis Batch: 12F1548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1548-BLK1	Method Blank	Total	Soil	SW846 8260B	12F1548_P
12F1548-BS1	Lab Control Sample	Total	Soil	SW846 8260B	12F1548_P
NWF0759-01	SP-5 (4'-5')	Total	Soil	SW846 8260B	12F1548_P
NWF0759-02	SP-6 (4'-5')	Total	Soil	SW846 8260B	12F1548_P

Analysis Batch: V009776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1814-BLK1	Method Blank	Total	Water	SW846 8260B	12F1814_P
12F1814-BS1	Lab Control Sample	Total	Water	SW846 8260B	12F1814_P
NWF0759-03	Trip Blank	Total	Water	SW846 8260B	12F1814_P

Prep Batch: 12F1548_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1548-BLK1	Method Blank	Total	Soil	EPA 5035	
12F1548-BS1	Lab Control Sample	Total	Soil	EPA 5035	
NWF0759-01	SP-5 (4'-5')	Total	Soil	EPA 5035	
NWF0759-02	SP-6 (4'-5')	Total	Soil	EPA 5035	

Prep Batch: 12F1814_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1814-BLK1	Method Blank	Total	Water	EPA 5030B	
12F1814-BS1	Lab Control Sample	Total	Water	EPA 5030B	
NWF0759-03	Trip Blank	Total	Water	EPA 5030B	

GCMS Semivolatiles

Analysis Batch: 12F1551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1551-BLK1	Method Blank	Total	Soil	SW846 8270D	12F1551_P
12F1551-BS1	Lab Control Sample	Total	Soil	SW846 8270D	12F1551_P
12F1551-MSD1	SP-5 (4'-5')	Total	Soil	SW846 8270D	12F1551_P
NWF0759-01	SP-5 (4'-5')	Total	Soil	SW846 8270D	12F1551_P
NWF0759-02	SP-6 (4'-5')	Total	Soil	SW846 8270D	12F1551_P

Prep Batch: 12F1551_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1551-BLK1	Method Blank	Total	Soil	EPA 3550C	
12F1551-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
12F1551-MSD1	SP-5 (4'-5')	Total	Soil	EPA 3550C	
NWF0759-01	SP-5 (4'-5')	Total	Soil	EPA 3550C	
NWF0759-02	SP-6 (4'-5')	Total	Soil	EPA 3550C	

Extractions

Analysis Batch: 12F1550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1550-DUP1	SP-5 (4'-5')	Total	Soil	SW-846	12F1550_P
NWF0759-01	SP-5 (4'-5')	Total	Soil	SW-846	12F1550_P
NWF0759-02	SP-6 (4'-5')	Total	Soil	SW-846	12F1550_P

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Extractions (Continued)

Prep Batch: 12F1550_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
12F1550-DUP1	SP-5 (4'-5')	Total	Soil	% Solids	
NWF0759-01	SP-5 (4'-5')	Total	Soil	% Solids	
NWF0759-02	SP-6 (4'-5')	Total	Soil	% Solids	

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Client Sample ID: SP-5 (4'-5')

Lab Sample ID: NWF0759-01

Date Collected: 06/06/12 15:15
Matrix: Soil
Date Received: 06/08/12 08:10
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.833	12F1548_P	06/06/12 15:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	12F1548	06/14/12 03:10	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.996	12F1551_P	06/09/12 11:17	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12F1551	06/11/12 20:39	WLL	TAL NSH
Total	Prep	% Solids		1.00	12F1550_P	06/08/12 14:20	MLYN	TAL NSH
Total	Analysis	SW-846		1.00	12F1550	06/09/12 09:55	MLYN	TAL NSH

Client Sample ID: SP-6 (4'-5')

Lab Sample ID: NWF0759-02

Date Collected: 06/06/12 15:30
Matrix: Soil
Date Received: 06/08/12 08:10
Percent Solids: 85

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.710	12F1548_P	06/06/12 15:30	AAN	TAL NSH
Total	Analysis	SW846 8260B		1.00	12F1548	06/14/12 03:37	MJH /	TAL NSH
Total	Prep	EPA 3550C		0.993	12F1551_P	06/09/12 11:17	JJR	TAL NSH
Total	Analysis	SW846 8270D		1.00	12F1551	06/11/12 20:59	WLL	TAL NSH
Total	Prep	% Solids		1.00	12F1550_P	06/08/12 14:20	MLYN	TAL NSH
Total	Analysis	SW-846		1.00	12F1550	06/09/12 09:55	MLYN	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: NWF0759-03

Date Collected: 06/06/12 00:01
Matrix: Water
Date Received: 06/08/12 08:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	12F1814_P	06/08/12 13:20	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	V009776	06/13/12 17:20	JJR	TAL NSH

Laboratory References:

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

Method Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270D	Polyaromatic Hydrocarbons by EPA 8270D		TAL NSH

Protocol References:

Laboratory References:

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

Certification Summary

Client: Hart & Hickman (2162)
Project/Site: SBI-002

TestAmerica Job ID: NWF0759

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		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	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	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 DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	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	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

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 RECEI

NWF0759

Cooler Received/Opened On 6/8/12 @ 0810

1. Tracking # 6320 (last 4 digits, FedEx)

Courier: FEDEX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 2.4 *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: one 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) DA

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) _____

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) _____

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) _____

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

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

6/15/2012

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: Charlotte, NC
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

6/15/2012

Client Contact				
Company Name: Hart & Hickman	Client Project Manager: Matt Ingalls	Site Contact:	Lab Contact:	COC No: 1
Address: 2923 S. Tryon St. Suite 100	Telephone: (704) 586-0007	Telephone:	Telephone:	____ of ____ COCs
City/State/Zip: Charlotte, NC 28203	Email: mingalls@harthickman.com			
Phone: (704) 586-0007				
Project Name: 1200 South Blvd.	Method of Shipment/Carrier:			
Project Number: SBL-002	Shipping/Tracking No:			
PO#				

Analysis Turnaround Time (in BUS days)
TAT if different from below _____
Reg 5 day
☐ 3 weeks
☐ 2 weeks
☐ 1 week
☐ 2 days
☐ 1 day

For lab use only
Walk-in client: ☐
Lab pickup: ☐
Lab sampling: ☐

NWF0759
06/15/12 23:59

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	Non-Preserved	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C/Grab G	Analyses: VOC (8260B)	PAH (8270D)								Sample Specific Notes / Special Instructions:
SP-5 (4'-5')	06/06/12	15:15				X					3		2		N	G	X	X								NWF0759-01
SP-6 (4'-5')	06/06/12	15:30				X					3		2		N	G	X	X								02
TRIP BLANK				X													X									03

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

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

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[illegible]	H&H	6/7/12 9:30	C. Bonham	TA	6/07/12 0930
C. Bonham	TA	6/06/12 1710	[illegible]	TAN	6.8.12 @ 0810
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

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