TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Valparaiso
2400 Cumberland Drive
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Tel: (219)464-2389

TestAmerica Job ID: 510-83361-1
Client Project/Site: Roberts - Lane Project 11-10378-50

For:
Roberts Environmental Services, Inc.
2112 Carmen Court
Goshen, Indiana 46526

Attn: Mr. David Jeffers

Authorized for release by:
9/19/2012 10:04:43 AM

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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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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)

Case Narrative

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Job ID: 510-83361-1

Laboratory: TestAmerica Valparaiso

Narrative

Job Narrative
510-83361-1

Comments
No additional comments.

Receipt
The samples were received on 9/10/2012 4:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
Method(s) 8260B: The following sample submitted for volatiles analysis was received at pH >2: FD-1 (510-83361-2). Batch 103794.

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 103794.

Method(s) 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-14i (510-83361-10), MW-15i (510-83361-6). Elevated reporting limits (RLs) are provided. Batch 103991.

No other analytical or quality issues were noted.

Detection Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Client Sample ID: Trip Blank-1 — Lab Sample ID: 510-83361-1

No Detections

Client Sample ID: FD-1 — Lab Sample ID: 510-83361-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	89		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-15ss — Lab Sample ID: 510-83361-3

No Detections

Client Sample ID: MW-15is — Lab Sample ID: 510-83361-4

No Detections

Client Sample ID: MW-15iu — Lab Sample ID: 510-83361-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	92		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-15i — Lab Sample ID: 510-83361-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		5.0		ug/L	1		8260B	Total/NA
Trichloroethene - RADL	190		10		ug/L	5		8260B	Total/NA

Client Sample ID: MW-14ss — Lab Sample ID: 510-83361-7

No Detections

Client Sample ID: MW-14is — Lab Sample ID: 510-83361-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	190		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-14iu — Lab Sample ID: 510-83361-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	180		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: MW-14i — Lab Sample ID: 510-83361-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene - RADL	250		10		ug/L	5		8260B	Total/NA

Client Sample ID: MW-10is — Lab Sample ID: 510-83361-11

No Detections

Client Sample ID: MW-10iu — Lab Sample ID: 510-83361-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	87		2.0		ug/L	1		8260B	Total/NA

Client Sample ID: Trip Blank-1

Lab Sample ID: 510-83361-1

Date Collected: 08/29/12 00:00
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 01:52	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 01:52	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 01:52	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 01:52	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 01:52	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 01:52	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 01:52	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 01:52	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 01:52	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 01:52	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 132*		*09/12/12 01:52*	*1*
Dibromofluoromethane	*93*		*70 - 130*		*09/12/12 01:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*81 - 126*		*09/12/12 01:52*	*1*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/12/12 01:52*	*1*

Client Sample ID: FD-1

Lab Sample ID: 510-83361-2

Date Collected: 09/10/12 00:00
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 02:21	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 02:21	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 02:21	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 02:21	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 02:21	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 02:21	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 02:21	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 02:21	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 02:21	1
Trichloroethene	**89**		2.0		ug/L			09/12/12 02:21	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 02:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 132*		*09/12/12 02:21*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*09/12/12 02:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 126*		*09/12/12 02:21*	*1*
Toluene-d8 (Surr)	*97*		*89 - 108*		*09/12/12 02:21*	*1*

Client Sample ID: MW-15ss

Lab Sample ID: 510-83361-3

Date Collected: 09/10/12 09:20
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 02:50	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 02:50	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 02:50	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 02:50	1

Client Sample ID: MW-15ss

Lab Sample ID: 510-83361-3

Date Collected: 09/10/12 09:20

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 02:50	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 02:50	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 02:50	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 02:50	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 02:50	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 02:50	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 02:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 132*		*09/12/12 02:50*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*09/12/12 02:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*81 - 126*		*09/12/12 02:50*	*1*
Toluene-d8 (Surr)	*97*		*89 - 108*		*09/12/12 02:50*	*1*

Client Sample ID: MW-15is

Lab Sample ID: 510-83361-4

Date Collected: 09/10/12 10:25

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 03:20	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 03:20	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 03:20	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 03:20	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 03:20	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 03:20	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 03:20	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 03:20	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 03:20	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 03:20	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 03:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 132*		*09/12/12 03:20*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*09/12/12 03:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*81 - 126*		*09/12/12 03:20*	*1*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/12/12 03:20*	*1*

Client Sample ID: MW-15iu

Lab Sample ID: 510-83361-5

Date Collected: 09/10/12 10:05

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 03:49	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 03:49	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 03:49	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 03:49	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 03:49	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 03:49	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 03:49	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 03:49	1

Client Sample ID: MW-15iu

Lab Sample ID: 510-83361-5
Date Collected: 09/10/12 10:05
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 03:49	1
Trichloroethene	**92**		2.0		ug/L			09/12/12 03:49	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*77 - 132*		*09/12/12 03:49*	*1*
Dibromofluoromethane	*96*		*70 - 130*		*09/12/12 03:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*81 - 126*		*09/12/12 03:49*	*1*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/12/12 03:49*	*1*

Client Sample ID: MW-15i

Lab Sample ID: 510-83361-6
Date Collected: 09/10/12 09:50
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 04:18	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 04:18	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 04:18	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 04:18	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 04:18	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 04:18	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 04:18	1
1,1,1-Trichloroethane	**11**		5.0		ug/L			09/12/12 04:18	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 04:18	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 04:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*77 - 132*		*09/12/12 04:18*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*09/12/12 04:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*81 - 126*		*09/12/12 04:18*	*1*
Toluene-d8 (Surr)	*99*		*89 - 108*		*09/12/12 04:18*	*1*

Method: 8260B - Volatile Organic Compounds by GC/MS - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**190**		10		ug/L			09/16/12 05:07	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 132*		*09/16/12 05:07*	*5*
Dibromofluoromethane	*107*		*70 - 130*		*09/16/12 05:07*	*5*
1,2-Dichloroethane-d4 (Surr)	*123*		*81 - 126*		*09/16/12 05:07*	*5*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/16/12 05:07*	*5*

Client Sample ID: MW-14ss

Lab Sample ID: 510-83361-7
Date Collected: 09/10/12 09:00
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 04:47	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 04:47	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 04:47	1

Client Sample ID: MW-14ss

Lab Sample ID: 510-83361-7

Date Collected: 09/10/12 09:00

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 04:47	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 04:47	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 04:47	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 04:47	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 04:47	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 04:47	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 04:47	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 04:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 132*		*09/12/12 04:47*	*1*
Dibromofluoromethane	*99*		*70 - 130*		*09/12/12 04:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*81 - 126*		*09/12/12 04:47*	*1*
Toluene-d8 (Surr)	*99*		*89 - 108*		*09/12/12 04:47*	*1*

Client Sample ID: MW-14is

Lab Sample ID: 510-83361-8

Date Collected: 09/10/12 11:10

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 05:17	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 05:17	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 05:17	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 05:17	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 05:17	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 05:17	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 05:17	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 05:17	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 05:17	1
Trichloroethene	**190**		2.0		ug/L			09/12/12 05:17	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*77 - 132*		*09/12/12 05:17*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/12/12 05:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 126*		*09/12/12 05:17*	*1*
Toluene-d8 (Surr)	*99*		*89 - 108*		*09/12/12 05:17*	*1*

Client Sample ID: MW-14iu

Lab Sample ID: 510-83361-9

Date Collected: 09/10/12 10:50

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 06:16	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 06:16	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 06:16	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 06:16	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 06:16	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 06:16	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 06:16	1

Client Sample ID: MW-14iu

Lab Sample ID: 510-83361-9

Date Collected: 09/10/12 10:50

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 06:16	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 06:16	1
Trichloroethene	**180**		2.0		ug/L			09/12/12 06:16	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*77 - 132*		*09/12/12 06:16*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/12/12 06:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*81 - 126*		*09/12/12 06:16*	*1*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/12/12 06:16*	*1*

Client Sample ID: MW-14i

Lab Sample ID: 510-83361-10

Date Collected: 09/10/12 10:40

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 06:45	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 06:45	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 06:45	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 06:45	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 06:45	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 06:45	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 06:45	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 06:45	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 06:45	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 06:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*77 - 132*		*09/12/12 06:45*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/12/12 06:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 126*		*09/12/12 06:45*	*1*
Toluene-d8 (Surr)	*97*		*89 - 108*		*09/12/12 06:45*	*1*

Method: 8260B - Volatile Organic Compounds by GC/MS - RADL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**250**		10		ug/L			09/16/12 05:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*77 - 132*		*09/16/12 05:35*	*5*
Dibromofluoromethane	*105*		*70 - 130*		*09/16/12 05:35*	*5*
1,2-Dichloroethane-d4 (Surr)	*120*		*81 - 126*		*09/16/12 05:35*	*5*
Toluene-d8 (Surr)	*99*		*89 - 108*		*09/16/12 05:35*	*5*

Client Sample ID: MW-10is

Lab Sample ID: 510-83361-11

Date Collected: 09/10/12 11:20

Matrix: Water

Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 07:15	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 07:15	1

Client Sample Results

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Client Sample ID: MW-10is

Lab Sample ID: 510-83361-11
Date Collected: 09/10/12 11:20
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 07:15	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 07:15	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 07:15	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 07:15	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 07:15	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 07:15	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 07:15	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 07:15	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*77 - 132*		*09/12/12 07:15*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*09/12/12 07:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 126*		*09/12/12 07:15*	*1*
Toluene-d8 (Surr)	*101*		*89 - 108*		*09/12/12 07:15*	*1*

Client Sample ID: MW-10iu

Lab Sample ID: 510-83361-12
Date Collected: 09/10/12 11:45
Matrix: Water
Date Received: 09/10/12 16:10

Method: 8260B - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 07:44	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 07:44	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 07:44	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 07:44	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 07:44	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 07:44	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 07:44	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 07:44	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 07:44	1
Trichloroethene	**87**		2.0		ug/L			09/12/12 07:44	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 07:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*77 - 132*		*09/12/12 07:44*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*09/12/12 07:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*81 - 126*		*09/12/12 07:44*	*1*
Toluene-d8 (Surr)	*100*		*89 - 108*		*09/12/12 07:44*	*1*

Surrogate Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Method: 8260B - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(77-132)	(70-130)	(81-126)	(89-108)
510-83361-1	Trip Blank-1	99	93	96	98
510-83361-2	FD-1	98	96	97	97
510-83361-3	MW-15ss	103	95	98	97
510-83361-4	MW-15is	99	96	97	98
510-83361-5	MW-15iu	99	96	99	98
510-83361-6	MW-15i	101	100	102	99
510-83361-6 - RADL	MW-15i	100	107	123	98
510-83361-7	MW-14ss	98	99	101	99
510-83361-8	MW-14is	95	98	103	99
510-83361-9	MW-14iu	105	98	104	98
510-83361-10	MW-14i	98	98	103	97
510-83361-10 - RADL	MW-14i	100	105	120	99
510-83361-11	MW-10is	103	98	103	101
510-83361-12	MW-10iu	97	103	103	100
LCS 510-103794/3	Lab Control Sample	98	98	92	102
LCS 510-103991/4	Lab Control Sample	96	101	115	101
MB 510-103794/5	Method Blank	96	94	93	98
MB 510-103991/6	Method Blank	99	104	116	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Method: 8260B - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 510-103794/5
Matrix: Water
Analysis Batch: 103794

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 01:22	1
1,1-Dichloroethane	<5.0		5.0		ug/L			09/12/12 01:22	1
1,2-Dichloroethane	<2.0		2.0		ug/L			09/12/12 01:22	1
1,1-Dichloroethene	<2.0		2.0		ug/L			09/12/12 01:22	1
Methylene Chloride	<5.0		5.0		ug/L			09/12/12 01:22	1
Tetrachloroethene	<2.0		2.0		ug/L			09/12/12 01:22	1
trans-1,2-Dichloroethene	<5.0		5.0		ug/L			09/12/12 01:22	1
1,1,1-Trichloroethane	<5.0		5.0		ug/L			09/12/12 01:22	1
1,1,2-Trichloroethane	<2.0		2.0		ug/L			09/12/12 01:22	1
Trichloroethene	<2.0		2.0		ug/L			09/12/12 01:22	1
Vinyl chloride	<2.0		2.0		ug/L			09/12/12 01:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*77 - 132*		*09/12/12 01:22*	*1*
Dibromofluoromethane	*94*		*70 - 130*		*09/12/12 01:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*81 - 126*		*09/12/12 01:22*	*1*
Toluene-d8 (Surr)	*98*		*89 - 108*		*09/12/12 01:22*	*1*

Lab Sample ID: LCS 510-103794/3
Matrix: Water
Analysis Batch: 103794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethene	50.0	46.1		ug/L		92	82 - 123
1,1-Dichloroethane	50.0	47.2		ug/L		94	71 - 130
1,2-Dichloroethane	50.0	42.3		ug/L		85	75 - 131
1,1-Dichloroethene	50.0	45.7		ug/L		91	56 - 158
Methylene Chloride	50.0	47.5		ug/L		95	72 - 129
Tetrachloroethene	50.0	51.1		ug/L		102	77 - 123
trans-1,2-Dichloroethene	50.0	45.6		ug/L		91	51 - 148
1,1,1-Trichloroethane	50.0	46.0		ug/L		92	76 - 130
1,1,2-Trichloroethane	50.0	50.5		ug/L		101	71 - 126
Trichloroethene	50.0	49.2		ug/L		98	80 - 122
Vinyl chloride	50.0	46.1		ug/L		92	61 - 149

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*77 - 132*
Dibromofluoromethane	*98*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*92*		*81 - 126*
Toluene-d8 (Surr)	*102*		*89 - 108*

Lab Sample ID: MB 510-103991/6
Matrix: Water
Analysis Batch: 103991

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	<2.0		2.0		ug/L			09/16/12 03:45	1

Method: 8260B - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 510-103991/6
Matrix: Water
Analysis Batch: 103991

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		77 - 132		09/16/12 03:45	1
Dibromofluoromethane	104		70 - 130		09/16/12 03:45	1
1,2-Dichloroethane-d4 (Surr)	116		81 - 126		09/16/12 03:45	1
Toluene-d8 (Surr)	97		89 - 108		09/16/12 03:45	1

Lab Sample ID: LCS 510-103991/4
Matrix: Water
Analysis Batch: 103991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	50.0	52.6		ug/L		105	80 - 122

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		77 - 132
Dibromofluoromethane	101		70 - 130
1,2-Dichloroethane-d4 (Surr)	115		81 - 126
Toluene-d8 (Surr)	101		89 - 108

QC Association Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

GC/MS VOA

Analysis Batch: 103794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-83361-1	Trip Blank-1	Total/NA	Water	8260B	
510-83361-2	FD-1	Total/NA	Water	8260B	
510-83361-3	MW-15ss	Total/NA	Water	8260B	
510-83361-4	MW-15is	Total/NA	Water	8260B	
510-83361-5	MW-15iu	Total/NA	Water	8260B	
510-83361-6	MW-15i	Total/NA	Water	8260B	
510-83361-7	MW-14ss	Total/NA	Water	8260B	
510-83361-8	MW-14is	Total/NA	Water	8260B	
510-83361-9	MW-14iu	Total/NA	Water	8260B	
510-83361-10	MW-14i	Total/NA	Water	8260B	
510-83361-11	MW-10is	Total/NA	Water	8260B	
510-83361-12	MW-10iu	Total/NA	Water	8260B	
LCS 510-103794/3	Lab Control Sample	Total/NA	Water	8260B	
MB 510-103794/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 103991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
510-83361-6 - RADL	MW-15i	Total/NA	Water	8260B	
510-83361-10 - RADL	MW-14i	Total/NA	Water	8260B	
LCS 510-103991/4	Lab Control Sample	Total/NA	Water	8260B	
MB 510-103991/6	Method Blank	Total/NA	Water	8260B	

Lab Chronicle

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Client Sample ID: Trip Blank-1 — Lab Sample ID: 510-83361-1

Date Collected: 08/29/12 00:00 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 01:52	WEH	TAL VAL

Client Sample ID: FD-1 — Lab Sample ID: 510-83361-2

Date Collected: 09/10/12 00:00 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 02:21	WEH	TAL VAL

Client Sample ID: MW-15ss — Lab Sample ID: 510-83361-3

Date Collected: 09/10/12 09:20 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 02:50	WEH	TAL VAL

Client Sample ID: MW-15is — Lab Sample ID: 510-83361-4

Date Collected: 09/10/12 10:25 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 03:20	WEH	TAL VAL

Client Sample ID: MW-15iu — Lab Sample ID: 510-83361-5

Date Collected: 09/10/12 10:05 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 03:49	WEH	TAL VAL

Client Sample ID: MW-15i — Lab Sample ID: 510-83361-6

Date Collected: 09/10/12 09:50 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 04:18	WEH	TAL VAL
Total/NA	Analysis	8260B	RADL	5	40 mL	40 mL	103991	09/16/12 05:07	JLH	TAL VAL

Lab Chronicle

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Client Sample ID: MW-14ss — Lab Sample ID: 510-83361-7

Date Collected: 09/10/12 09:00 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 04:47	WEH	TAL VAL

Client Sample ID: MW-14is — Lab Sample ID: 510-83361-8

Date Collected: 09/10/12 11:10 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 05:17	WEH	TAL VAL

Client Sample ID: MW-14iu — Lab Sample ID: 510-83361-9

Date Collected: 09/10/12 10:50 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 06:16	WEH	TAL VAL

Client Sample ID: MW-14i — Lab Sample ID: 510-83361-10

Date Collected: 09/10/12 10:40 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 06:45	WEH	TAL VAL
Total/NA	Analysis	8260B	RADL	5	40 mL	40 mL	103991	09/16/12 05:35	JLH	TAL VAL

Client Sample ID: MW-10is — Lab Sample ID: 510-83361-11

Date Collected: 09/10/12 11:20 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 07:15	WEH	TAL VAL

Client Sample ID: MW-10iu — Lab Sample ID: 510-83361-12

Date Collected: 09/10/12 11:45 — **Matrix: Water**
Date Received: 09/10/12 16:10

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	40 mL	40 mL	103794	09/12/12 07:44	WEH	TAL VAL

Laboratory References:

TAL VAL = TestAmerica Valparaiso, 2400 Cumberland Drive, Valparaiso, IN 46383, TEL (219)464-2389

Certification Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Laboratory: TestAmerica Valparaiso

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAC	5	200065	01-31-13
Indiana	State Program	5	M-64-4	12-31-13
Indiana	State Program	5	C-64-01	11-24-12
Kentucky (UST)	State Program	4	57	02-01-13
New Hampshire	NELAC	1	2837	01-31-13
USDA	Federal		P330-11-00073	02-09-14
Washington	State Program	10	C842	08-18-13

Method Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds by GC/MS	SW846	TAL VAL

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL VAL = TestAmerica Valparaiso, 2400 Cumberland Drive, Valparaiso, IN 46383, TEL (219)464-2389

Sample Summary

Client: Roberts Environmental Services, Inc.
Project/Site: Roberts - Lane Project 11-10378-50

TestAmerica Job ID: 510-83361-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
510-83361-1	Trip Blank-1	Water	08/29/12 00:00	09/10/12 16:10
510-83361-2	FD-1	Water	09/10/12 00:00	09/10/12 16:10
510-83361-3	MW-15ss	Water	09/10/12 09:20	09/10/12 16:10
510-83361-4	MW-15is	Water	09/10/12 10:25	09/10/12 16:10
510-83361-5	MW-15iu	Water	09/10/12 10:05	09/10/12 16:10
510-83361-6	MW-15i	Water	09/10/12 09:50	09/10/12 16:10
510-83361-7	MW-14ss	Water	09/10/12 09:00	09/10/12 16:10
510-83361-8	MW-14is	Water	09/10/12 11:10	09/10/12 16:10
510-83361-9	MW-14iu	Water	09/10/12 10:50	09/10/12 16:10
510-83361-10	MW-14i	Water	09/10/12 10:40	09/10/12 16:10
510-83361-11	MW-10is	Water	09/10/12 11:20	09/10/12 16:10
510-83361-12	MW-10iu	Water	09/10/12 11:45	09/10/12 16:10

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Dave Jeffers
Company:
Address: 2112 Carmen Ct.
Address: Goshen, IN 46526
Phone: 574-537-0881
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #:
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler:

Client: Roberts Environmental Services
Client Project #: 11-10378-50
Project Name: Lane (Quote # 50006930)
Project Location/State: Elkhart, IN
Lab Project #:
Sampler: JWB
Lab PM: RK

Preservative: 1
Parameter: * VOCs Short list

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID 83361	Sampling Date	Sampling Time EST	# of Containers	Matrix	VOCs Short list	Comments
-1		Trip Blank-1	8/29/12	LAB	3	W	X	
-2		FD-1	9/10/12	—			X	
-3		MW-15ss		920			X	
-4		MW-15is		1025			X	
-5		MW-15iu		1005			X	
-6		MW-15i		950			X	
-7		MW-14ss		900			X	
-8		MW-14is		1110			X	
-9		MW-14iu		1050			X	
-10		MW-14i		1040			X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Jason Blatto	RES	9/10/12	1140	Jerry Hulen	TestAmer	9/10	1410
Jerry Hulen	TestAmerica	9/10/12	1610 EST	[illegible]	TestAmer	9/10/12	1610 EST

Lab Courier: X
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments
* Perc, TCE, Cis-1,2-DCE, Trans-1,2 DCE, VC, 1,1-DCA, 1,2-DCA, ~~[illegible]~~ 1,1,1-TCA, 1,1,2-TCA, 1,1-DCE, methylene chloride.

Lab Comments:
Cooler 510-45-244
Temp 2.2 Corrected 2.1

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Same
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #:
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler:

Client: Roberts Environmental Services
Client Project #: 11-10378-50
Project Name: Lane (Quote #50006930)
Project Location/State: Elkhart, IN
Lab Project #:
Sampler: JWB
Lab PM: RK

Preservative: 1
Parameter: * VOCs Short List

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID 83361	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs Short List	Comments
-11		MW-10is	9/10/12	1120 CST	3	W	X	
-12		MW-10io	↓	1145	↓	↓	X	
		END						

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days _____ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	FES	9/10/12	1410 CST	[signature]	TestAmerica	9/10/12	1410 CST
[signature]	TestAmerica	9/10/12	1610 CST	[signature]	Test America	9/10/12	1610 CST

Lab Courier: X
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments
* Same as page #1.

Lab Comments:
Cooler 510-48-244
Temp 2.2 Corrected 2.1

TAL-4124-500 (1209)

Login Container Summary Report

Temperature readings: _____

Client Sample ID	Lab ID	Container Type	Container pH	Preservative Added (mls)	Lot #
Trip Blank-1	510-83361-A-1	Voa Vial 40ml - Hydrochloric Acid			
Trip Blank-1	510-83361-B-1	Voa Vial 40ml - Hydrochloric Acid			
Trip Blank-1	510-83361-C-1	Voa Vial 40ml - Hydrochloric Acid			
FD-1	510-83361-A-2	Voa Vial 40ml - Hydrochloric Acid			
FD-1	510-83361-B-2	Voa Vial 40ml - Hydrochloric Acid			
FD-1	510-83361-C-2	Voa Vial 40ml - Hydrochloric Acid			
MW-15ss	510-83361-A-3	Voa Vial 40ml - Hydrochloric Acid			
MW-15ss	510-83361-B-3	Voa Vial 40ml - Hydrochloric Acid			
MW-15ss	510-83361-C-3	Voa Vial 40ml - Hydrochloric Acid			
MW-15is	510-83361-A-4	Voa Vial 40ml - Hydrochloric Acid			
MW-15is	510-83361-B-4	Voa Vial 40ml - Hydrochloric Acid			
MW-15is	510-83361-C-4	Voa Vial 40ml - Hydrochloric Acid			
MW-15iu	510-83361-A-5	Voa Vial 40ml - Hydrochloric Acid			
MW-15iu	510-83361-B-5	Voa Vial 40ml - Hydrochloric Acid			
MW-15iu	510-83361-C-5	Voa Vial 40ml - Hydrochloric Acid			
MW-15i	510-83361-A-6	Voa Vial 40ml - Hydrochloric Acid			
MW-15i	510-83361-B-6	Voa Vial 40ml - Hydrochloric Acid			
MW-15i	510-83361-C-6	Voa Vial 40ml - Hydrochloric Acid			
MW-14ss	510-83361-A-7	Voa Vial 40ml - Hydrochloric Acid			
MW-14ss	510-83361-B-7	Voa Vial 40ml - Hydrochloric Acid			
MW-14ss	510-83361-C-7	Voa Vial 40ml - Hydrochloric Acid			
MW-14is	510-83361-A-8	Voa Vial 40ml - Hydrochloric Acid			
MW-14is	510-83361-B-8	Voa Vial 40ml - Hydrochloric Acid			
MW-14is	510-83361-C-8	Voa Vial 40ml - Hydrochloric Acid			
MW-14iu	510-83361-A-9	Voa Vial 40ml - Hydrochloric Acid			
MW-14iu	510-83361-B-9	Voa Vial 40ml - Hydrochloric Acid			
MW-14iu	510-83361-C-9	Voa Vial 40ml - Hydrochloric Acid			
MW-14i	510-83361-A-10	Voa Vial 40ml - Hydrochloric Acid			
MW-14i	510-83361-B-10	Voa Vial 40ml - Hydrochloric Acid			
MW-14i	510-83361-C-10	Voa Vial 40ml - Hydrochloric Acid			
MW-10is	510-83361-A-11	Voa Vial 40ml - Hydrochloric Acid			
MW-10is	510-83361-B-11	Voa Vial 40ml - Hydrochloric Acid			
MW-10is	510-83361-C-11	Voa Vial 40ml - Hydrochloric Acid			
MW-10iu	510-83361-A-12	Voa Vial 40ml - Hydrochloric Acid			
MW-10iu	510-83361-B-12	Voa Vial 40ml - Hydrochloric Acid			
MW-10iu	510-83361-C-12	Voa Vial 40ml - Hydrochloric Acid			

9/11/12

Login Sample Receipt Checklist

Client: Roberts Environmental Services, Inc.

Job Number: 510-83361-1

Login Number: 83361
List Number: 1
Creator: Crofton, Erin N

List Source: TestAmerica Valparaiso

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.