APPENDIX C
Laboratory Analytical Data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
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TestAmerica Job ID: 340-5598-1
Client Project/Site: MEW - Fairchild

For:
Geosyntec Consultants, Inc.
1111 Broadway
6th Floor
Oakland, California 94612

Attn: Nancy Bice

Beth Riley

Authorized for release by:
1/3/2013 3:28:41 PM

Beth Riley
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LINKS

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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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 8
Surrogate Summary 22
QC Sample Results 23
QC Association Summary 27
Lab Chronicle 28
Certification Summary 31
Method Summary 32
Sample Summary 33
Chain of Custody 34
Receipt Checklists 37
Field Data Sheets 38
Clean Canister Certification 52
Pre-Ship Certification 52
Clean Canister Data 66

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
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: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Job ID: 340-5598-1

Laboratory: TestAmerica Costa Mesa

Narrative

Job Narrative
340-5598-1

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Receipt
The samples were received on 12/31/2012 9:00 AM; the samples arrived in good condition.

Air - GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379HVAC2 — Lab Sample ID: 340-5598-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.16		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB3 — Lab Sample ID: 340-5598-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.071		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.26		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.48		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	1.4		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB4 — Lab Sample ID: 340-5598-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.10		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.32		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.71		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	1.7		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB2 — Lab Sample ID: 340-5598-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.094		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.34		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.64		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	1.8		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB1 — Lab Sample ID: 340-5598-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.099		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.34		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.67		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	1.8		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB6 — Lab Sample ID: 340-5598-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.18		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.4		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.2		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	7.5		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 340-5598-7

Client Sample ID: DUP-1 (Continued) — Lab Sample ID: 340-5598-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.21		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.4		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.4		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	7.7		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369HVAC1 — Lab Sample ID: 340-5598-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.082		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.56		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB5 — Lab Sample ID: 340-5598-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.028		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.2		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.19		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	6.4		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB6 — Lab Sample ID: 340-5598-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.023		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.1		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.16		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	5.8		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB8 — Lab Sample ID: 340-5598-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.020		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.027		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.2		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.078		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.18		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	6.2		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB3 — Lab Sample ID: 340-5598-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.024		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.13		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB7 — Lab Sample ID: 340-5598-13

Client Sample ID: 369AMB7 (Continued) — Lab Sample ID: 340-5598-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.028		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.15		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369/379OUT1 — Lab Sample ID: 340-5598-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.020		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.13		0.14		ug/m3	1		TO-15 SIM	Total/NA

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379HVAC2

Lab Sample ID: 340-5598-1

Date Collected: 12/29/12 07:14
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			12/31/12 23:24	1
1,1-Dichloroethene	ND		0.020		ppb v/v			12/31/12 23:24	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			12/31/12 23:24	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			12/31/12 23:24	1
Tetrachloroethene	**0.16**		0.020		ppb v/v			12/31/12 23:24	1
Trichloroethene	ND		0.020		ppb v/v			12/31/12 23:24	1
Vinyl chloride	ND		0.020		ppb v/v			12/31/12 23:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			12/31/12 23:24	1
1,1-Dichloroethene	ND		0.079		ug/m3			12/31/12 23:24	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			12/31/12 23:24	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			12/31/12 23:24	1
Tetrachloroethene	**1.1**		0.14		ug/m3			12/31/12 23:24	1
Trichloroethene	ND		0.11		ug/m3			12/31/12 23:24	1
Vinyl chloride	ND		0.051		ug/m3			12/31/12 23:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*12/31/12 23:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 130*		*12/31/12 23:24*	*1*
Toluene-d8 (Surr)	*87*		*70 - 130*		*12/31/12 23:24*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379AMB3

Lab Sample ID: 340-5598-2

Date Collected: 12/29/12 07:21
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 15:07	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:07	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:07	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:07	1
Tetrachloroethene	**0.071**		0.020		ppb v/v			01/02/13 15:07	1
Trichloroethene	**0.26**		0.020		ppb v/v			01/02/13 15:07	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 15:07	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 15:07	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:07	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:07	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:07	1
Tetrachloroethene	**0.48**		0.14		ug/m3			01/02/13 15:07	1
Trichloroethene	**1.4**		0.11		ug/m3			01/02/13 15:07	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/02/13 15:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*01/02/13 15:07*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/02/13 15:07*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379AMB4

Lab Sample ID: 340-5598-3

Date Collected: 12/29/12 07:25
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 15:55	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:55	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:55	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 15:55	1
Tetrachloroethene	**0.10**		0.020		ppb v/v			01/02/13 15:55	1
Trichloroethene	**0.32**		0.020		ppb v/v			01/02/13 15:55	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 15:55	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 15:55	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:55	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:55	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 15:55	1
Tetrachloroethene	**0.71**		0.14		ug/m3			01/02/13 15:55	1
Trichloroethene	**1.7**		0.11		ug/m3			01/02/13 15:55	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 15:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*01/02/13 15:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*		*01/02/13 15:55*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/02/13 15:55*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379AMB2

Lab Sample ID: 340-5598-4

Date Collected: 12/29/12 07:31
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 16:43	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 16:43	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 16:43	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 16:43	1
Tetrachloroethene	**0.094**		0.020		ppb v/v			01/02/13 16:43	1
Trichloroethene	**0.34**		0.020		ppb v/v			01/02/13 16:43	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 16:43	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 16:43	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 16:43	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 16:43	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 16:43	1
Tetrachloroethene	**0.64**		0.14		ug/m3			01/02/13 16:43	1
Trichloroethene	**1.8**		0.11		ug/m3			01/02/13 16:43	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*01/02/13 16:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/02/13 16:43*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*01/02/13 16:43*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379AMB1

Lab Sample ID: 340-5598-5

Date Collected: 12/29/12 07:35
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 17:32	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 17:32	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 17:32	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 17:32	1
Tetrachloroethene	**0.099**		0.020		ppb v/v			01/02/13 17:32	1
Trichloroethene	**0.34**		0.020		ppb v/v			01/02/13 17:32	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 17:32	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 17:32	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 17:32	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 17:32	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 17:32	1
Tetrachloroethene	**0.67**		0.14		ug/m3			01/02/13 17:32	1
Trichloroethene	**1.8**		0.11		ug/m3			01/02/13 17:32	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*01/02/13 17:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*01/02/13 17:32*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/02/13 17:32*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379AMB6

Lab Sample ID: 340-5598-6

Date Collected: 12/29/12 07:41
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 18:20	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 18:20	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 18:20	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 18:20	1
Tetrachloroethene	**0.18**		0.020		ppb v/v			01/02/13 18:20	1
Trichloroethene	**1.4**		0.020		ppb v/v			01/02/13 18:20	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 18:20	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 18:20	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 18:20	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 18:20	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 18:20	1
Tetrachloroethene	**1.2**		0.14		ug/m3			01/02/13 18:20	1
Trichloroethene	**7.5**		0.11		ug/m3			01/02/13 18:20	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*		*01/02/13 18:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*01/02/13 18:20*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/02/13 18:20*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: DUP-1

Lab Sample ID: 340-5598-7

Date Collected: 12/29/12 07:41
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 19:08	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:08	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:08	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:08	1
Tetrachloroethene	**0.21**		0.020		ppb v/v			01/02/13 19:08	1
Trichloroethene	**1.4**		0.020		ppb v/v			01/02/13 19:08	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 19:08	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 19:08	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:08	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:08	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:08	1
Tetrachloroethene	**1.4**		0.14		ug/m3			01/02/13 19:08	1
Trichloroethene	**7.7**		0.11		ug/m3			01/02/13 19:08	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 19:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*		*01/02/13 19:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/02/13 19:08*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 19:08*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369HVAC1

Lab Sample ID: 340-5598-8

Date Collected: 12/29/12 07:52
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 19:56	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:56	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:56	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 19:56	1
Tetrachloroethene	**0.082**		0.020		ppb v/v			01/02/13 19:56	1
Trichloroethene	ND		0.020		ppb v/v			01/02/13 19:56	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 19:56	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 19:56	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:56	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:56	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 19:56	1
Tetrachloroethene	**0.56**		0.14		ug/m3			01/02/13 19:56	1
Trichloroethene	ND		0.11		ug/m3			01/02/13 19:56	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 19:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/02/13 19:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/02/13 19:56*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*		*01/02/13 19:56*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB5

Lab Sample ID: 340-5598-9

Date Collected: 12/29/12 07:58
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 20:44	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 20:44	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 20:44	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 20:44	1
Tetrachloroethene	**0.028**		0.020		ppb v/v			01/02/13 20:44	1
Trichloroethene	**1.2**		0.020		ppb v/v			01/02/13 20:44	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 20:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 20:44	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 20:44	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 20:44	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 20:44	1
Tetrachloroethene	**0.19**		0.14		ug/m3			01/02/13 20:44	1
Trichloroethene	**6.4**		0.11		ug/m3			01/02/13 20:44	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 20:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*01/02/13 20:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*01/02/13 20:44*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 20:44*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB6

Lab Sample ID: 340-5598-10

Date Collected: 12/29/12 08:01
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 21:35	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 21:35	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 21:35	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 21:35	1
Tetrachloroethene	**0.023**		0.020		ppb v/v			01/02/13 21:35	1
Trichloroethene	**1.1**		0.020		ppb v/v			01/02/13 21:35	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 21:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 21:35	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 21:35	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 21:35	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 21:35	1
Tetrachloroethene	**0.16**		0.14		ug/m3			01/02/13 21:35	1
Trichloroethene	**5.8**		0.11		ug/m3			01/02/13 21:35	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 21:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*		*01/02/13 21:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*		*01/02/13 21:35*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 21:35*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB8

Lab Sample ID: 340-5598-11

Date Collected: 12/29/12 08:04
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 22:23	1
1,1-Dichloroethene	**0.020**		0.020		ppb v/v			01/02/13 22:23	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 22:23	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 22:23	1
Tetrachloroethene	**0.027**		0.020		ppb v/v			01/02/13 22:23	1
Trichloroethene	**1.2**		0.020		ppb v/v			01/02/13 22:23	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 22:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 22:23	1
1,1-Dichloroethene	**0.078**		0.079		ug/m3			01/02/13 22:23	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 22:23	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 22:23	1
Tetrachloroethene	**0.18**		0.14		ug/m3			01/02/13 22:23	1
Trichloroethene	**6.2**		0.11		ug/m3			01/02/13 22:23	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/02/13 22:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*01/02/13 22:23*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 22:23*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB3

Lab Sample ID: 340-5598-12

Date Collected: 12/29/12 08:09
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 23:11	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:11	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:11	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:11	1
Tetrachloroethene	ND		0.020		ppb v/v			01/02/13 23:11	1
Trichloroethene	**0.024**		0.020		ppb v/v			01/02/13 23:11	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 23:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 23:11	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:11	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:11	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:11	1
Tetrachloroethene	ND		0.14		ug/m3			01/02/13 23:11	1
Trichloroethene	**0.13**		0.11		ug/m3			01/02/13 23:11	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/02/13 23:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/02/13 23:11*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 23:11*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB7

Lab Sample ID: 340-5598-13

Date Collected: 12/29/12 08:10
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 23:59	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:59	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:59	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 23:59	1
Tetrachloroethene	ND		0.020		ppb v/v			01/02/13 23:59	1
Trichloroethene	**0.028**		0.020		ppb v/v			01/02/13 23:59	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 23:59	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 23:59	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:59	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:59	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 23:59	1
Tetrachloroethene	ND		0.14		ug/m3			01/02/13 23:59	1
Trichloroethene	**0.15**		0.11		ug/m3			01/02/13 23:59	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/02/13 23:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/02/13 23:59*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/02/13 23:59*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369/379OUT1

Lab Sample ID: 340-5598-14

Date Collected: 12/29/12 08:18
Matrix: Air
Date Received: 12/31/12 09:00
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 00:47	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/03/13 00:47	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 00:47	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 00:47	1
Tetrachloroethene	**0.020**		0.020		ppb v/v			01/03/13 00:47	1
Trichloroethene	ND		0.020		ppb v/v			01/03/13 00:47	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 00:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 00:47	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/03/13 00:47	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 00:47	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 00:47	1
Tetrachloroethene	**0.13**		0.14		ug/m3			01/03/13 00:47	1
Trichloroethene	ND		0.11		ug/m3			01/03/13 00:47	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*01/03/13 00:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*01/03/13 00:47*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/03/13 00:47*	*1*

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
340-5598-1	379HVAC2	95	113	87
340-5598-2	379AMB3	100	96	96
340-5598-3	379AMB4	104	99	94
340-5598-4	379AMB2	102	94	96
340-5598-5	379AMB1	101	93	94
340-5598-6	379AMB6	118	97	95
340-5598-7	DUP-1	117	94	93
340-5598-8	369HVAC1	99	94	95
340-5598-9	369AMB5	101	93	93
340-5598-10	369AMB6	106	92	93
340-5598-11	369AMB8	100	96	93
340-5598-12	369AMB3	99	95	93
340-5598-13	369AMB7	98	95	93
340-5598-14	369/379OUT1	97	96	94
LCS 340-3679/3	Lab Control Sample	99	95	97
LCS 340-3690/4	Lab Control Sample	103	97	97
LCSD 340-3679/4	Lab Control Sample Dup	101	97	97
LCSD 340-3690/5	Lab Control Sample Dup	101	98	96
MB 340-3679/5	Method Blank	97	95	92
MB 340-3690/6	Method Blank	98	91	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 340-3679/5
Matrix: Air
Analysis Batch: 3679

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			12/31/12 10:50	1
1,1-Dichloroethene	ND		0.020		ppb v/v			12/31/12 10:50	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			12/31/12 10:50	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			12/31/12 10:50	1
Tetrachloroethene	ND		0.020		ppb v/v			12/31/12 10:50	1
Trichloroethene	ND		0.020		ppb v/v			12/31/12 10:50	1
Vinyl chloride	ND		0.020		ppb v/v			12/31/12 10:50	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			12/31/12 10:50	1
1,1-Dichloroethene	ND		0.079		ug/m3			12/31/12 10:50	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			12/31/12 10:50	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			12/31/12 10:50	1
Tetrachloroethene	ND		0.14		ug/m3			12/31/12 10:50	1
Trichloroethene	ND		0.11		ug/m3			12/31/12 10:50	1
Vinyl chloride	ND		0.051		ug/m3			12/31/12 10:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*12/31/12 10:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*12/31/12 10:50*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*12/31/12 10:50*	*1*

Lab Sample ID: LCS 340-3679/3
Matrix: Air
Analysis Batch: 3679

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.00	0.806		ppb v/v		81	70 - 130
1,1-Dichloroethene	1.00	0.912		ppb v/v		91	70 - 130
cis-1,2-Dichloroethene	1.00	0.914		ppb v/v		91	70 - 130
trans-1,2-Dichloroethene	1.00	0.999		ppb v/v		100	70 - 130
Tetrachloroethene	1.00	1.01		ppb v/v		101	70 - 130
Trichloroethene	1.00	0.996		ppb v/v		100	70 - 130
Vinyl chloride	1.00	0.781		ppb v/v		78	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	4.0	3.26		ug/m3		81	70 - 130
1,1-Dichloroethene	4.0	3.61		ug/m3		91	70 - 130
cis-1,2-Dichloroethene	4.0	3.62		ug/m3		91	70 - 130
trans-1,2-Dichloroethene	4.0	3.96		ug/m3		100	70 - 130
Tetrachloroethene	6.8	6.88		ug/m3		101	70 - 130
Trichloroethene	5.4	5.35		ug/m3		100	70 - 130
Vinyl chloride	2.6	2.00		ug/m3		78	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 340-3679/3
Matrix: Air
Analysis Batch: 3679

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 340-3679/4
Matrix: Air
Analysis Batch: 3679

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	1.00	0.786		ppb v/v		79	70 - 130	2	25
1,1-Dichloroethene	1.00	0.888		ppb v/v		89	70 - 130	3	25
cis-1,2-Dichloroethene	1.00	0.886		ppb v/v		89	70 - 130	3	25
trans-1,2-Dichloroethene	1.00	0.964		ppb v/v		96	70 - 130	3	25
Tetrachloroethene	1.00	0.993		ppb v/v		99	70 - 130	2	25
Trichloroethene	1.00	0.971		ppb v/v		97	70 - 130	3	25
Vinyl chloride	1.00	0.802		ppb v/v		80	70 - 130	3	25

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	4.0	3.18		ug/m3		79	70 - 130	2	25
1,1-Dichloroethene	4.0	3.52		ug/m3		89	70 - 130	3	25
cis-1,2-Dichloroethene	4.0	3.51		ug/m3		89	70 - 130	3	25
trans-1,2-Dichloroethene	4.0	3.82		ug/m3		96	70 - 130	3	25
Tetrachloroethene	6.8	6.74		ug/m3		99	70 - 130	2	25
Trichloroethene	5.4	5.22		ug/m3		97	70 - 130	3	25
Vinyl chloride	2.6	2.05		ug/m3		80	70 - 130	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 340-3690/6
Matrix: Air
Analysis Batch: 3690

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/02/13 12:07	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/02/13 12:07	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 12:07	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/02/13 12:07	1
Tetrachloroethene	ND		0.020		ppb v/v			01/02/13 12:07	1
Trichloroethene	ND		0.020		ppb v/v			01/02/13 12:07	1
Vinyl chloride	ND		0.020		ppb v/v			01/02/13 12:07	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/02/13 12:07	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/02/13 12:07	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 12:07	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 340-3690/6 — **Client Sample ID: Method Blank**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/02/13 12:07	1
Tetrachloroethene	ND		0.14		ug/m3			01/02/13 12:07	1
Trichloroethene	ND		0.11		ug/m3			01/02/13 12:07	1
Vinyl chloride	ND		0.051		ug/m3			01/02/13 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/02/13 12:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*		*01/02/13 12:07*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/02/13 12:07*	*1*

Lab Sample ID: LCS 340-3690/4 — **Client Sample ID: Lab Control Sample**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3690

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.00	0.755		ppb v/v		75	70 - 130
1,1-Dichloroethene	1.00	0.813		ppb v/v		81	70 - 130
cis-1,2-Dichloroethene	1.00	0.834		ppb v/v		83	70 - 130
trans-1,2-Dichloroethene	1.00	1.02		ppb v/v		102	70 - 130
Tetrachloroethene	1.00	0.976		ppb v/v		98	70 - 130
Trichloroethene	1.00	0.968		ppb v/v		97	70 - 130
Vinyl chloride	1.00	0.894		ppb v/v		89	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	4.0	3.06		ug/m3		75	70 - 130
1,1-Dichloroethene	4.0	3.22		ug/m3		81	70 - 130
cis-1,2-Dichloroethene	4.0	3.31		ug/m3		83	70 - 130
trans-1,2-Dichloroethene	4.0	4.04		ug/m3		102	70 - 130
Tetrachloroethene	6.8	6.62		ug/m3		98	70 - 130
Trichloroethene	5.4	5.20		ug/m3		97	70 - 130
Vinyl chloride	2.6	2.29		ug/m3		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 340-3690/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3690

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	1.00	0.755		ppb v/v		75	70 - 130	0	25
1,1-Dichloroethene	1.00	0.823		ppb v/v		82	70 - 130	1	25
cis-1,2-Dichloroethene	1.00	0.839		ppb v/v		84	70 - 130	1	25
trans-1,2-Dichloroethene	1.00	0.929		ppb v/v		93	70 - 130	9	25

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 340-3690/5
Matrix: Air
Analysis Batch: 3690

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			1.00	0.955		ppb v/v		95	70 - 130	2	25
Trichloroethene			1.00	0.962		ppb v/v		96	70 - 130	1	25
Vinyl chloride			1.00	0.874		ppb v/v		87	70 - 130	2	25

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane			4.0	3.05		ug/m3		75	70 - 130	0	25
1,1-Dichloroethene			4.0	3.26		ug/m3		82	70 - 130	1	25
cis-1,2-Dichloroethene			4.0	3.33		ug/m3		84	70 - 130	1	25
trans-1,2-Dichloroethene			4.0	3.68		ug/m3		93	70 - 130	9	25
Tetrachloroethene			6.8	6.48		ug/m3		95	70 - 130	2	25
Trichloroethene			5.4	5.17		ug/m3		96	70 - 130	1	25
Vinyl chloride			2.6	2.24		ug/m3		87	70 - 130	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Air - GC/MS VOA

Analysis Batch: 3679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
340-5598-1	379HVAC2	Total/NA	Air	TO-15 SIM	
LCS 340-3679/3	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 340-3679/4	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	
MB 340-3679/5	Method Blank	Total/NA	Air	TO-15 SIM	

Analysis Batch: 3690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
340-5598-2	379AMB3	Total/NA	Air	TO-15 SIM	
340-5598-3	379AMB4	Total/NA	Air	TO-15 SIM	
340-5598-4	379AMB2	Total/NA	Air	TO-15 SIM	
340-5598-5	379AMB1	Total/NA	Air	TO-15 SIM	
340-5598-6	379AMB6	Total/NA	Air	TO-15 SIM	
340-5598-7	DUP-1	Total/NA	Air	TO-15 SIM	
340-5598-8	369HVAC1	Total/NA	Air	TO-15 SIM	
340-5598-9	369AMB5	Total/NA	Air	TO-15 SIM	
340-5598-10	369AMB6	Total/NA	Air	TO-15 SIM	
340-5598-11	369AMB8	Total/NA	Air	TO-15 SIM	
340-5598-12	369AMB3	Total/NA	Air	TO-15 SIM	
340-5598-13	369AMB7	Total/NA	Air	TO-15 SIM	
340-5598-14	369/379OUT1	Total/NA	Air	TO-15 SIM	
LCS 340-3690/4	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 340-3690/5	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	
MB 340-3690/6	Method Blank	Total/NA	Air	TO-15 SIM	

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 379HVAC2 — Lab Sample ID: 340-5598-1

Date Collected: 12/29/12 07:14 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3679	12/31/12 23:24	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB3 — Lab Sample ID: 340-5598-2

Date Collected: 12/29/12 07:21 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 15:07	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB4 — Lab Sample ID: 340-5598-3

Date Collected: 12/29/12 07:25 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 15:55	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB2 — Lab Sample ID: 340-5598-4

Date Collected: 12/29/12 07:31 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 16:43	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB1 — Lab Sample ID: 340-5598-5

Date Collected: 12/29/12 07:35 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 17:32	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB6 — Lab Sample ID: 340-5598-6

Date Collected: 12/29/12 07:41 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 18:20	LY	TAL LA
	Instrument ID: MSD							

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: DUP-1 — Lab Sample ID: 340-5598-7

Date Collected: 12/29/12 07:41 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 19:08	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369HVAC1 — Lab Sample ID: 340-5598-8

Date Collected: 12/29/12 07:52 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 19:56	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB5 — Lab Sample ID: 340-5598-9

Date Collected: 12/29/12 07:58 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 20:44	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB6 — Lab Sample ID: 340-5598-10

Date Collected: 12/29/12 08:01 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 21:35	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB8 — Lab Sample ID: 340-5598-11

Date Collected: 12/29/12 08:04 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 22:23	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB3 — Lab Sample ID: 340-5598-12

Date Collected: 12/29/12 08:09 — **Matrix: Air**
Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 23:11	LY	TAL LA
	Instrument ID: MSD							

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Client Sample ID: 369AMB7

Lab Sample ID: 340-5598-13

Date Collected: 12/29/12 08:10

Matrix: Air

Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/02/13 23:59	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369/379OUT1

Lab Sample ID: 340-5598-14

Date Collected: 12/29/12 08:18

Matrix: Air

Date Received: 12/31/12 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3690	01/03/13 00:47	LY	TAL LA
	Instrument ID: MSD							

Laboratory References:

TAL LA = TestAmerica Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626, TEL (714)258-8610

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Laboratory: TestAmerica Costa Mesa

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0727	02-09-13
Florida	NELAP	4	E87652	06-30-13
L-A-B	DoD ELAP		L2273	11-09-13
Louisiana	NELAP	6	01948	06-30-13
New York	NELAP	2	11851	04-01-13
Oregon	NELAP	10	CA200013	07-19-13
Utah	NELAP	8	CA000032012-1	06-30-13

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Method	Method Description	Protocol	Laboratory
TO-15 SIM	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA-21	TAL LA

Protocol References:

EPA-21 = "Compendium Of Methods For The Determination Of Toxic Organic Compounds In Ambient Air", Second Edition, EPA/625/R-96/010B, January 1999

Laboratory References:

TAL LA = TestAmerica Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626, TEL (714)258-8610

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5598-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
340-5598-1	379HVAC2	Air	12/29/12 07:14	12/31/12 09:00
340-5598-2	379AMB3	Air	12/29/12 07:21	12/31/12 09:00
340-5598-3	379AMB4	Air	12/29/12 07:25	12/31/12 09:00
340-5598-4	379AMB2	Air	12/29/12 07:31	12/31/12 09:00
340-5598-5	379AMB1	Air	12/29/12 07:35	12/31/12 09:00
340-5598-6	379AMB6	Air	12/29/12 07:41	12/31/12 09:00
340-5598-7	DUP-1	Air	12/29/12 07:41	12/31/12 09:00
340-5598-8	369HVAC1	Air	12/29/12 07:52	12/31/12 09:00
340-5598-9	369AMB5	Air	12/29/12 07:58	12/31/12 09:00
340-5598-10	369AMB6	Air	12/29/12 08:01	12/31/12 09:00
340-5598-11	369AMB8	Air	12/29/12 08:04	12/31/12 09:00
340-5598-12	369AMB3	Air	12/29/12 08:09	12/31/12 09:00
340-5598-13	369AMB7	Air	12/29/12 08:10	12/31/12 09:00
340-5598-14	369/379OUT1	Air	12/29/12 08:18	12/31/12 09:00

TestAmerica Los Angeles
3585 Cadillac, Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information

Company: Geosyntec
Address: 1111 Broadway Ave, 6th Floor
City/State/Zip: Oakland, CA 94607
Phone: 510-285-2700
FAX:
Project Name: MEW
Site: MEW
PO # WR1133-07-06

Project Manager: Nancy Bice
Phone: 510-285-2700
Email: Nmullaugh@Geosyntec.com
Nbice@Geosyntec.com
Site Contact: Nate Mullaugh
LAB Contact: Beth Riley

Analysis Turnaround Time
Standard (Specify)
Rush (Specify) 24 hr TAT

340-5598

1 of 3 COCs

Samples Collected By: Nate Mullaugh

Sample Identification (BR 12/31/12)	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - Modified List*	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
379HVAC1 2 *	12/29	714	1504	-30	-4	08024	34001513	X												
379AMB3	12/29	721	1509	-30	-5	08123	34001658	X												
379AMB4	12/29	725	1513	-30	-4	08078	34001663	X												
379AMB2	12/29	731	1520	-30	-5	08129	34000552	X												
379AMB1	12/29	735	1523	-30	-5	08081	34001656	X												
379AMB6	12/29	741	1526	-30	-4	08091	34000501	X												

* Sample ID changed per email received 12/31/12 BR

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
***TO-15 Modified List : trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2,-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; 1,1-dichloroethane (1,1-DCA); and 1,1-dichloroethene (1,1-DCE).**
****Provide results in ug/m3**

Samples Shipped by: Nate Mu via FedeX	Date/Time: 12/29/12 @ 1630	Samples Received by:
Samples Relinquished by:	Date/Time: 12/31/12 0900	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Los Angeles
3585 Cadillac, Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	**Project Manager: Nancy Bice**	340-5598	2 of 3 COCs
Company: Geosyntec	**Phone: 510-285-2700**	**Samples Collected By: Nate Mullaugh**	
Address: 1111 Broadway Ave, 6th Floor	**Email:** Nmullaugh@Geosyntec.com		
City/State/Zip: Oakland, CA 94607	Nbice@Geosyntec.com		
Phone: 510-285-2700	**Site Contact:** Nate Mullaugh		
FAX:	**LAB Contact:** Beth Riley		
Project Name: MEW	**Analysis Turnaround Time**		
Site: MEW	Standard (Specify)		
PO # WR1133-07-06	Rush (Specify) 24 hr TAT		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - Modified List*	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
DUP-1	12/29	741	1526	-30	-9	08088	34000612	X												
369 HVAC 1	12/29	752	1546	-30	-4	08063	34000386	X												
369 AMB 5	12/29	758	1552	-30	-5	08076	34001325	X												
369 AMB 6	12/29	801	1556	-30	-5	08084	34000216	X												
369 AMB 8	12/29	804	1559	-30	-4	08126	34001209	X												
369 AMB 3	12/29	809	1604	-30	-4	08102	34000347	X												

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
***TO-15 Modified List : trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2,-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; 1,1-dichloroethane (1,1-DCA); and 1,1-dichloroethene (1,1-DCE).**
****Provide results in ug/m3**

Samples Shipped by: Nate Mul via Fedex	Date/Time: 12/29/12 @ 1630	Samples Received by:
Samples Relinquished by:	Date/Time: 12/31/12 0900	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Los Angeles
3585 Cadillac, Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	**Project Manager: Nancy Bice**	340-5598	3 of 3 COCs
Company: Geosyntec	**Phone: 510-285-2700**	**Samples Collected By: Nate Mullaugh**	
Address: 1111 Broadway Ave, 6th Floor	**Email:** Nmullaugh@Geosyntec.com		
City/State/Zip: Oakland, CA 94607	Nbice@Geosyntec.com		
Phone: 510-285-2700	**Site Contact:** Nate Mullaugh		
FAX:	**LAB Contact:** Beth Riley		
Project Name: MEW	**Analysis Turnaround Time**		
Site: MEW	Standard (Specify)		
PO # WR1133-07-06	Rush (Specify) 24 hr TAT		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - Modified List*	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
369 AMB 7	12/29	810	1606	-30	-4	08085	34000225	X												
369/379 OUT 1	12/29	818	1610	-30	-5	08079	34000139	X												

Temperature (Fahrenheit)			
	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)			
	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
***TO-15 Modified List : trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2,-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; 1,1-dichloroethane (1,1-DCA); and 1,1-dichloroethene (1,1-DCE).**
****Provide results in ug/m3**

Samples Shipped by: Nate Mullaugh via Fedex	Date/Time: 12/29/12 @ 1630	Samples Received by:	
Samples Relinquished by:	Date/Time: 12/31/12 0900	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 340-5598-1

Login Number: 5598

List Number: 1

Creator: Gonzales, Steve

List Source: TestAmerica Costa Mesa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400 1513
DATE CLEANED: 340-5501
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08024
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials: [illegible]

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/26/12	[illegible]
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.64	12/31/12	[illegible]
FINAL PRESSURE (PSIA)	23.93	12/31/12	[illegible]

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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2

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001658
DATE CLEANED: 340 5412
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08123
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.35	12/31/12	EJ
FINAL PRESSURE (PSIA)	24.60	12/31/12	EJ

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400116163
DATE CLEANED: 340-5414
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08078
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.07	12/31/12	
FINAL PRESSURE (PSIA)	23.70	12/31/12	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000552
DATE CLEANED: 340 - 5415
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08129
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.92	12/31/12	0"
FINAL PRESSURE (PSIA)	22.88	12/31/12	0"

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400 [illegible]
DATE CLEANED: 3/10-5/11
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08081
Duration of comp. : 8 Hrs. / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials: [illegible]

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	[illegible]
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.77	12/31/12	[illegible]
FINAL PRESSURE (PSIA)	22.57	12/31/12	[illegible]

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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6

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000501
DATE CLEANED: 340-5503
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08091
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/26/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.15	12/31/12	
FINAL PRESSURE (PSIA)	23.10	12/31/12	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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7

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000612
DATE CLEANED: 340-5504
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08088
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials: [signature]

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/26/12	[signature]
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.74	12/31/12	G
FINAL PRESSURE (PSIA)	22.39	12/31/12	G

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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8

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000386
DATE CLEANED: 3/10-5/08
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08063
Duration of comp. : 8 (Hrs) / mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.03	12/31/12	0"
FINAL PRESSURE (PSIA)	23.60	12/31/12	0"

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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9

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001325
DATE CLEANED: 3/10-5/05
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08076
Duration of comp. : 8 (Hrs) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.08	12/31/12	
FINAL PRESSURE (PSIA)	23.40	12/31/12	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000216
DATE CLEANED: 340-5409
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08084
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.16	12/31/12	
FINAL PRESSURE (PSIA)	23.37	12/31/12	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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11

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400 1209
DATE CLEANED: 3/10-5/07
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08126
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.34	12/31/12	
FINAL PRESSURE (PSIA)	23.55	12/31/12	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000347
DATE CLEANED: 3/10-5/10
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08102
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.76	12/31/12	
FINAL PRESSURE (PSIA)	23.84	12/31/12	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000225
DATE CLEANED: 340-5403
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08085
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.32	12/31/12	
FINAL PRESSURE (PSIA)	23.88	12/31/12	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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14

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400039
DATE CLEANED: 3/10-5/04
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08079
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9 - 10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/17/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.40	12/31/12	65'
FINAL PRESSURE (PSIA)	23.68	12/31/12	65'

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5403

Date of QC 12/4/12

Data File Number MB12144.D

CANISTER ID NUMBERS

*34000225	flow Controller #08085
	08081
	08084

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: LY

Date: 12/4/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5404

Date of QC 12/4/12

Data File Number MB12145.D

CANISTER ID NUMBERS

*340001391	Flow Controller # 08076
	08079
	08102

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: Cy

Date: 12/5/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM NEW

Date Cleaned/Batch: B121312A 340-5405

Date of QC: 12/4/12

Data File Number: MB 12/43,0 (SIM-MSD)

CANISTER ID NUMBERS

*34001325	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: LY

Date: 12/4/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-3407

Date of QC 121512

Data File Number MB12154.D

CANISTER ID NUMBERS

*34001209	Flow Controller # 08078
	08126
	08063

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature] Date: 121512

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5408

Date of QC 12/5/12

Data File Number MB12155.D

CANISTER ID NUMBERS

*34000386	Flow Controller # 08129
	08123
	08073

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12/5/12 Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch: B121312A 340-5409

Date of QC: 12/5/12

Data File Number: MB12520

CANISTER ID NUMBERS

*34000216	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 12/5/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5410

Date of QC 12/5/12

Data File Number MB12153.D

CANISTER ID NUMBERS

*34000347

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12/5/12 Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MGW

Date Cleaned/Batch B121312A 340-5411

Date of QC 12/5/12

Data File Number MB12156.D (SIM-MSD)

CANISTER ID NUMBERS

*34001656

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: Cy

Date: 12/7/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MGW

Date Cleaned/Batch B121312A 340-5412

Date of QC 12/13/12

Data File Number MB12157.D

CANISTER ID NUMBERS

*34001658

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 12/17/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5414

Date of QC 12/5/12

Data File Number MB12159.D

CANISTER ID NUMBERS

*34001663

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12/7/12

Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B121312A 340-5415

Date of QC 12/13/12

Data File Number MB1215A.D

CANISTER ID NUMBERS

*34000552	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 12/17/12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MCW

Date Cleaned/Batch A121912E 340-5501

Date of QC 12-21-12

Data File Number MB121216(MSD)

CANISTER ID NUMBERS

*34001513	Flow Controller #08021
	08024
	08088

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 12-26-12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5503

Date of QC 12/2/13

Data File Number MB12213.0

CANISTER ID NUMBERS

*34000501	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12/2/13 Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5504

Date of QC 12/2/13

Data File Number MB1215.D

CANISTER ID NUMBERS

*34000612

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12/2/12

Date:

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FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5403-1

SDG No.:

Client Sample ID: 34000225 | Lab Sample ID: 340-5403-1

Matrix: Air | Lab File ID: MB12144.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: | Date Analyzed: 12/14/2012 17:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3545 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12144.D		
Lims ID:	340-5403-A-1	Client ID:	34000225
Inject. Date:	14-Dec-2012 17:40:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5403-a-1		
Misc. Info.:	340-0002445-011		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	4
Lims Batch ID:	3545	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121214-2445.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	14-Dec-2012 19:13:14	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK031		

First Level Reviewer: yabutl Date: 14-Dec-2012 18:24:26

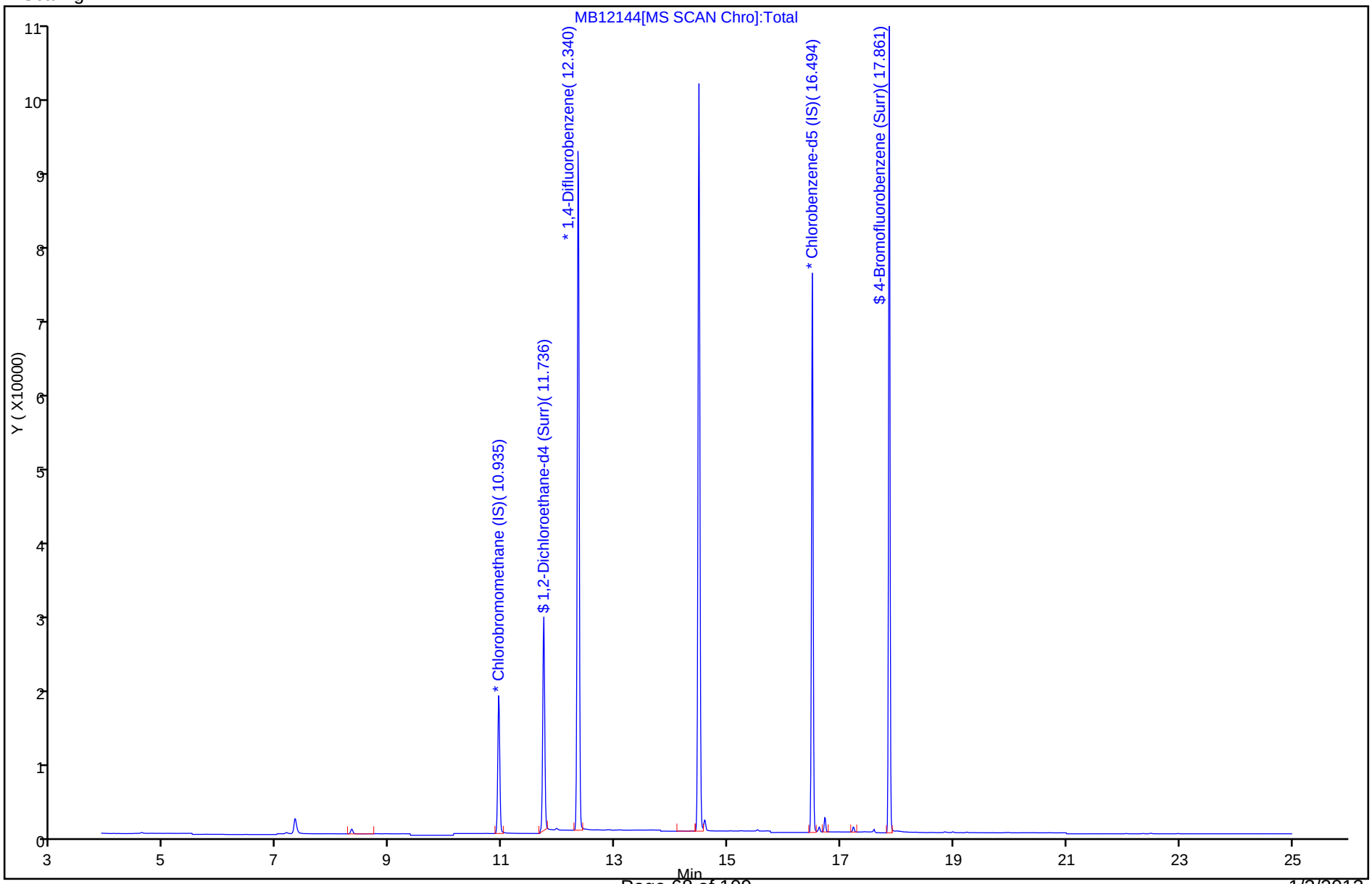
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	43531	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	59246	1.77	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	142836	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	117017	1.87	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	132947	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	99	92335	1.92	

Report Date: 14-Dec-2012 18:24:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12144.D		
Injection Date:	14-Dec-2012 17:40:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000225	Instrument ID:	MSD
Lims Batch ID:	3545	Lims Sample ID:	11
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5404-1

SDG No.:

Client Sample ID: 34000139 | Lab Sample ID: 340-5404-1

Matrix: Air | Lab File ID: MB12145.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: | Date Analyzed: 12/14/2012 18:23

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3545 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12145.D		
Lims ID:	340-5404-A-1	Client ID:	34000139
Inject. Date:	14-Dec-2012 18:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5404-a-1		
Misc. Info.:	340-0002445-012		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	5
Lims Batch ID:	3545	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121214-2445.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	15-Dec-2012 10:33:34	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK033		

First Level Reviewer: yabutl Date: 15-Dec-2012 10:33:34

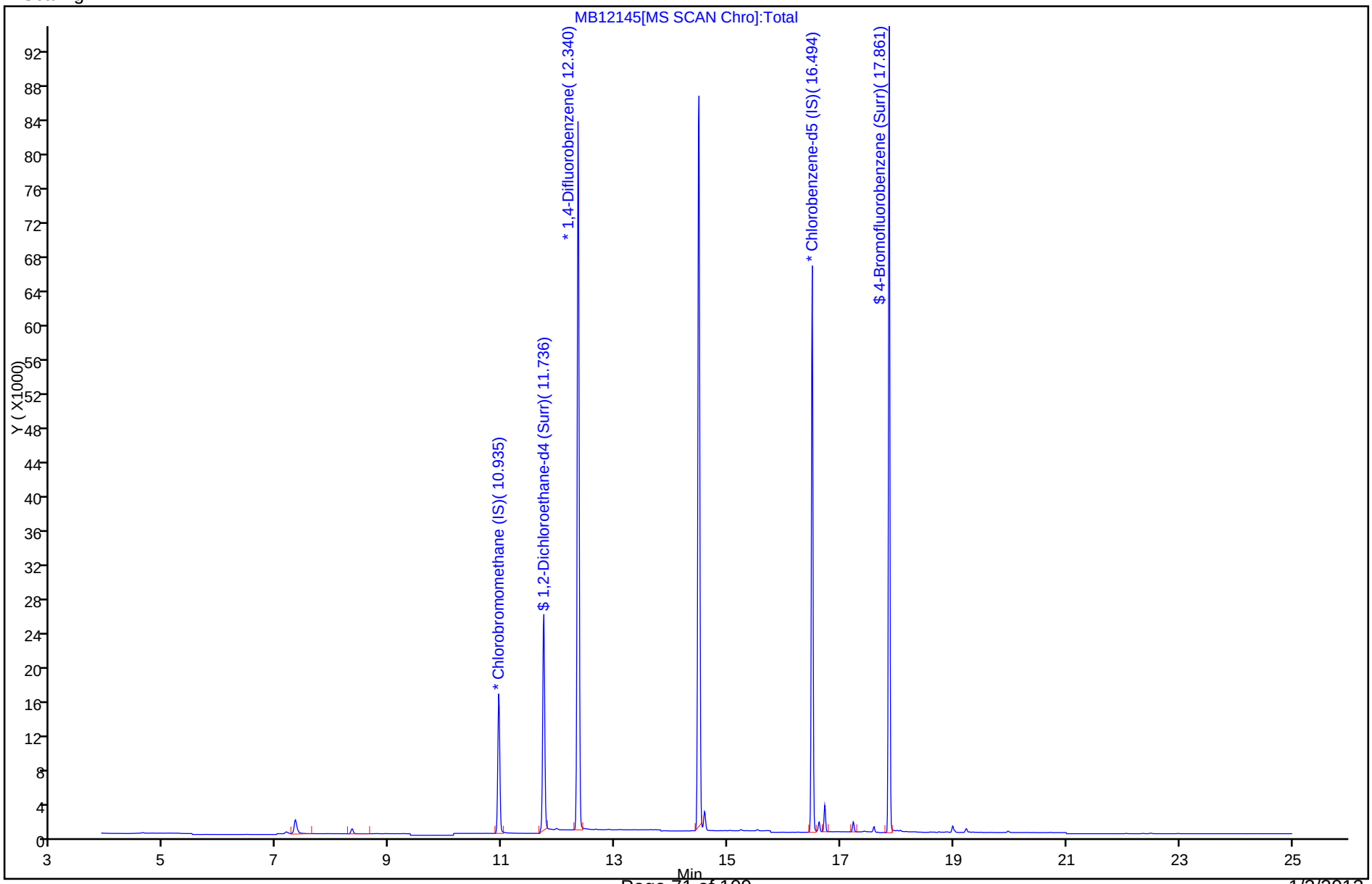
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	41620	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	56959	1.78	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	137496	2.00	
$ 27 Toluene-d8 (Surr)	98	14.476	14.476	0.0	100	111653	1.85	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	125264	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.852	17.861	-0.009	98	87415	1.92	

Report Date: 15-Dec-2012 10:33:34 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12145.D		
Injection Date:	14-Dec-2012 18:23:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000139	Instrument ID:	MSD
Lims Batch ID:	3545	Lims Sample ID:	12
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5405-1

SDG No.:

Client Sample ID: 34001325 | Lab Sample ID: 340-5405-1

Matrix: Air | Lab File ID: MB12143.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: | Date Analyzed: 12/14/2012 16:07

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3545 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	0.0052	J	0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12143.D		
Lims ID:	340-5405-A-1	Client ID:	34001325
Inject. Date:	14-Dec-2012 16:07:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	MB		
Misc. Info.:	340-0002445-009		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	4
Lims Batch ID:	3545	Lims Sample ID:	9
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121214-2445.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	14-Dec-2012 16:54:36	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK031		

First Level Reviewer: yabutl Date: 14-Dec-2012 16:54:36

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	42910	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	58894	1.79	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	143487	2.00	
22 Trichloroethene	130	12.851	12.851	0.0	94	139	0.005180	M
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	116163	1.85	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	130564	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	99	92660	1.96	

QC Flag Legend

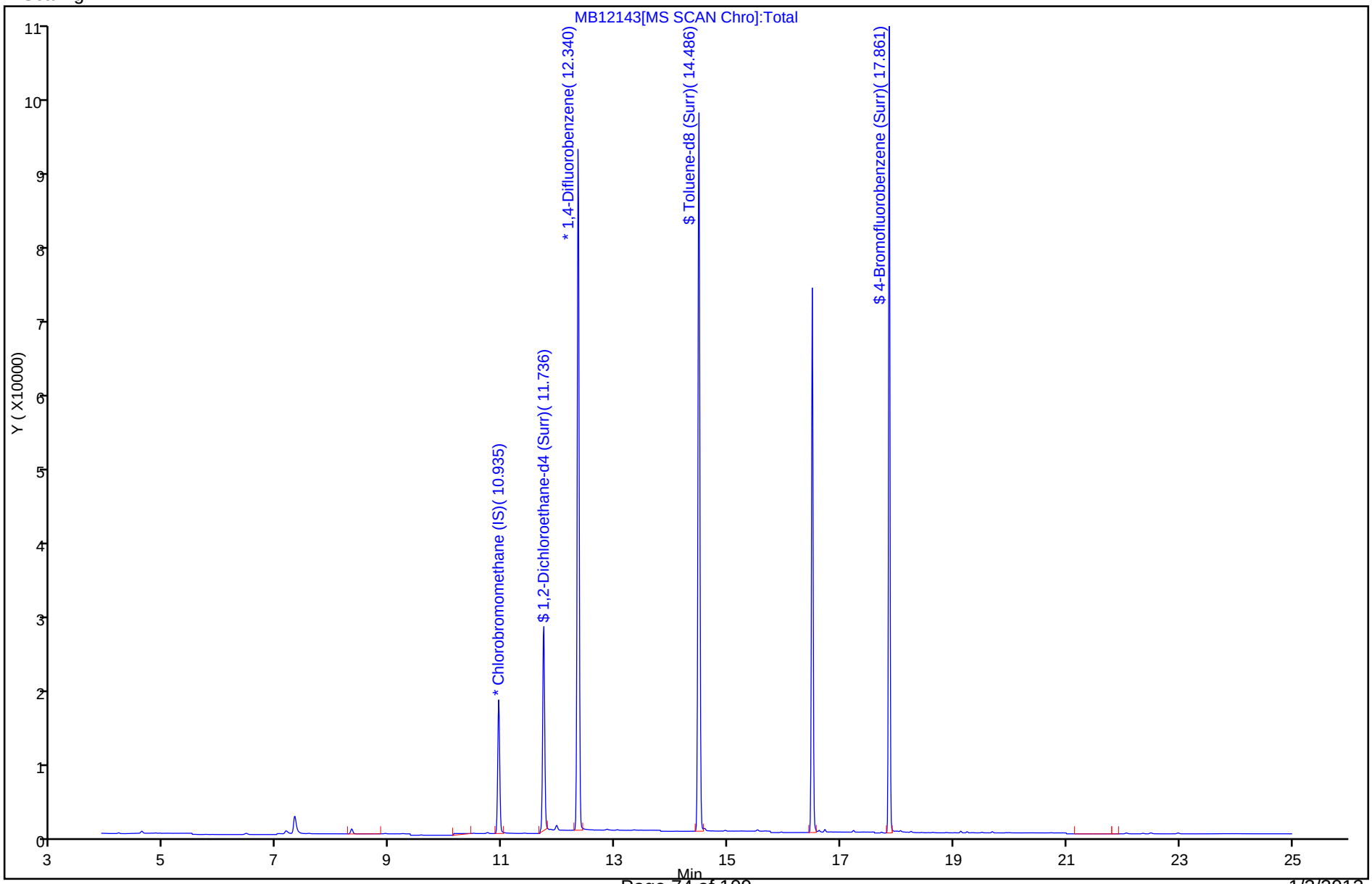
Review Flags
M - Manually Integrated

Report Date: 14-Dec-2012 16:54:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12143.D		
Injection Date:	14-Dec-2012 16:07:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001325	Instrument ID:	MSD
Lims Batch ID:	3545	Lims Sample ID:	9
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:

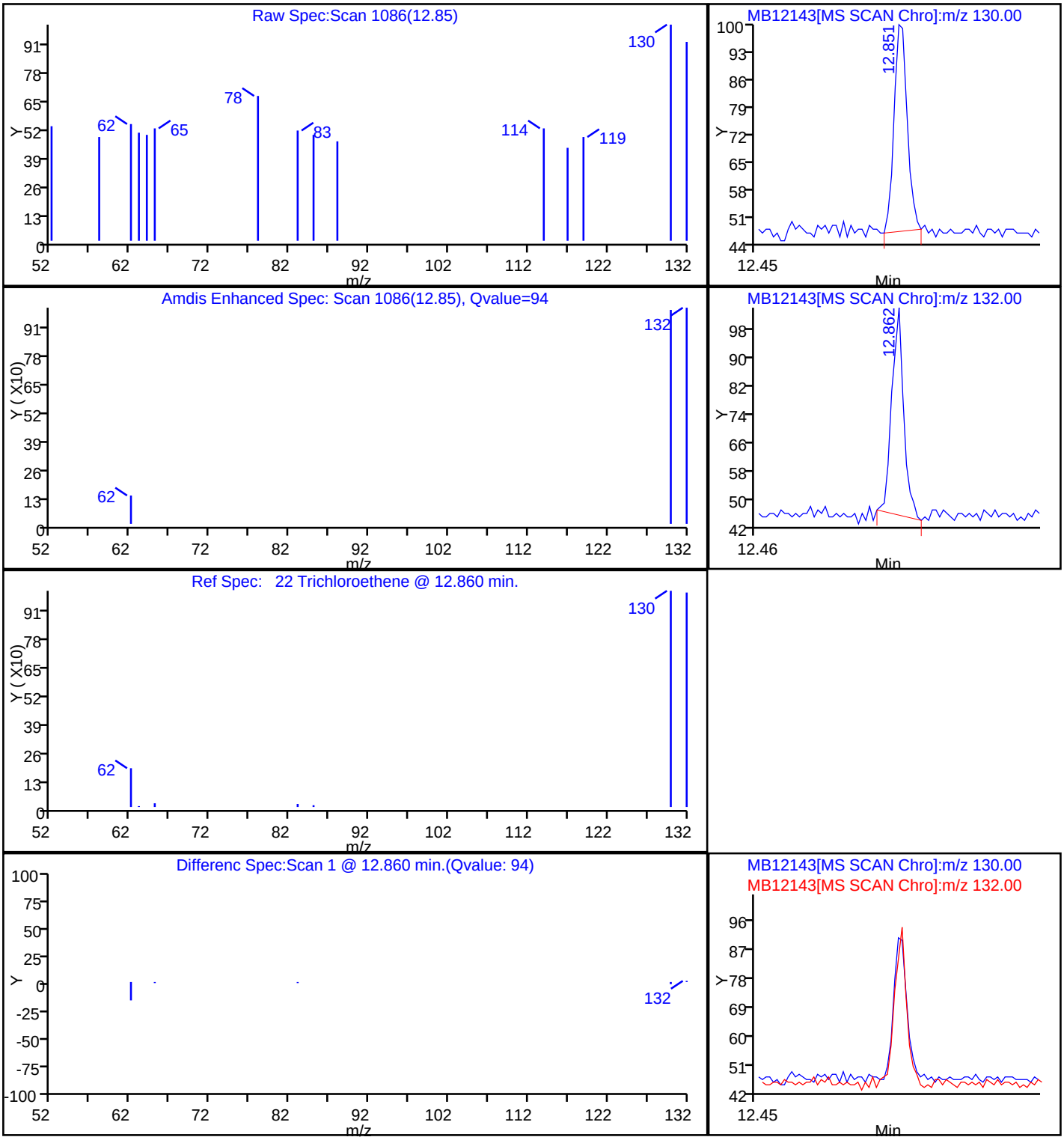


Report Date: 14-Dec-2012 16:54:37 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12143.D		
Injection Date:	14-Dec-2012 16:07:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001325	Instrument ID:	MSD
Lims Batch ID:	3545	Lims Sample ID:	9
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

22 Trichloroethene



Manual Integration/User Assign Peak Report

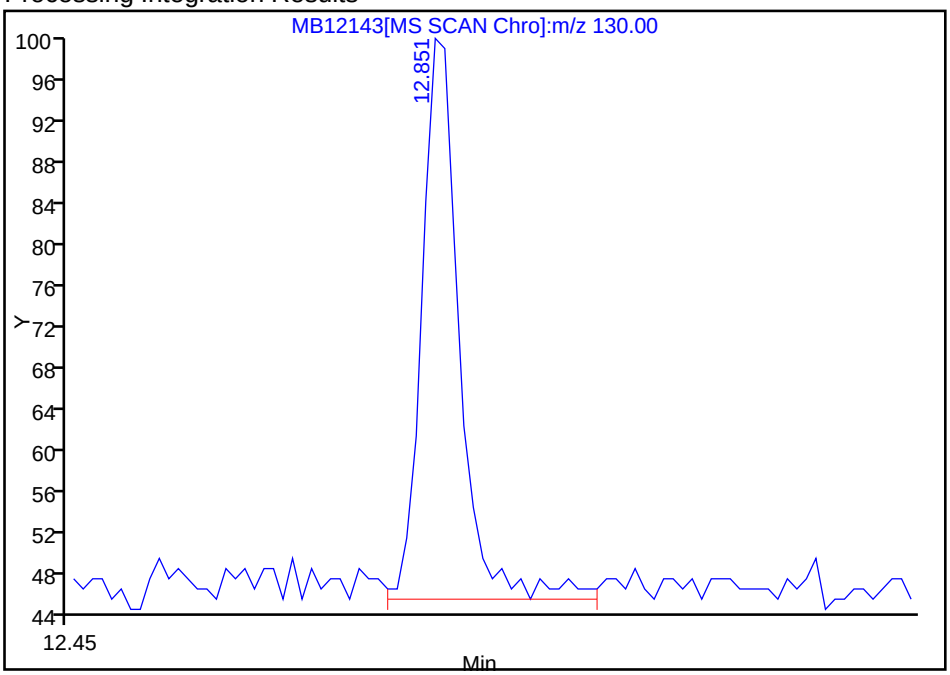
TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121214-2445.b\MB12143.D		
Injection Date:	14-Dec-2012 16:07:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001325	Instrument ID:	MSD
Lims Batch ID:	3545	Lims Sample ID:	9
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

22 Trichloroethene, Signal: 1, m/z: 130.0 Type: quant, RT: 12.85

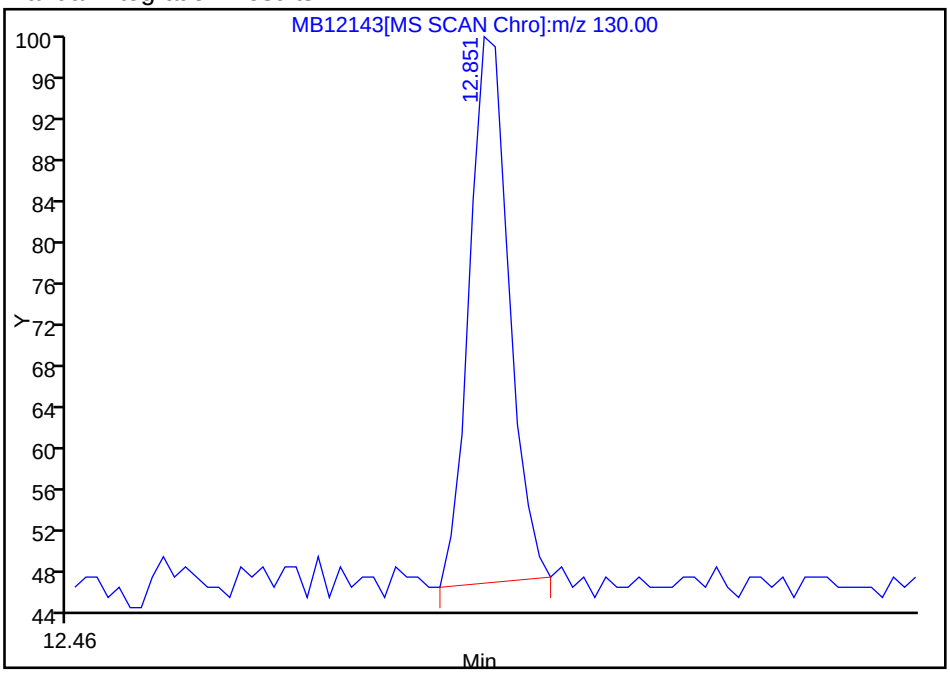
Processing Integration Results

RT: 12.85
Response: 159
Amount: 0.005925



Manual Integration Results

RT: 12.85
Response: 139
Amount: 0.005180



Reviewer: yabutl, 14-Dec-2012 16:54:36
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5407-1

SDG No.:

Client Sample ID: 34001209 | Lab Sample ID: 340-5407-1

Matrix: Air | Lab File ID: MB12154.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 15:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12154.D		
Lims ID:	340-5407-A-1	Client ID:	34001209
Inject. Date:	15-Dec-2012 15:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5407-A-1		
Misc. Info.:	340-0002452-007		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	10
Lims Batch ID:	3555	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	15-Dec-2012 16:33:36	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK033		

First Level Reviewer: yabutl Date: 15-Dec-2012 16:33:36

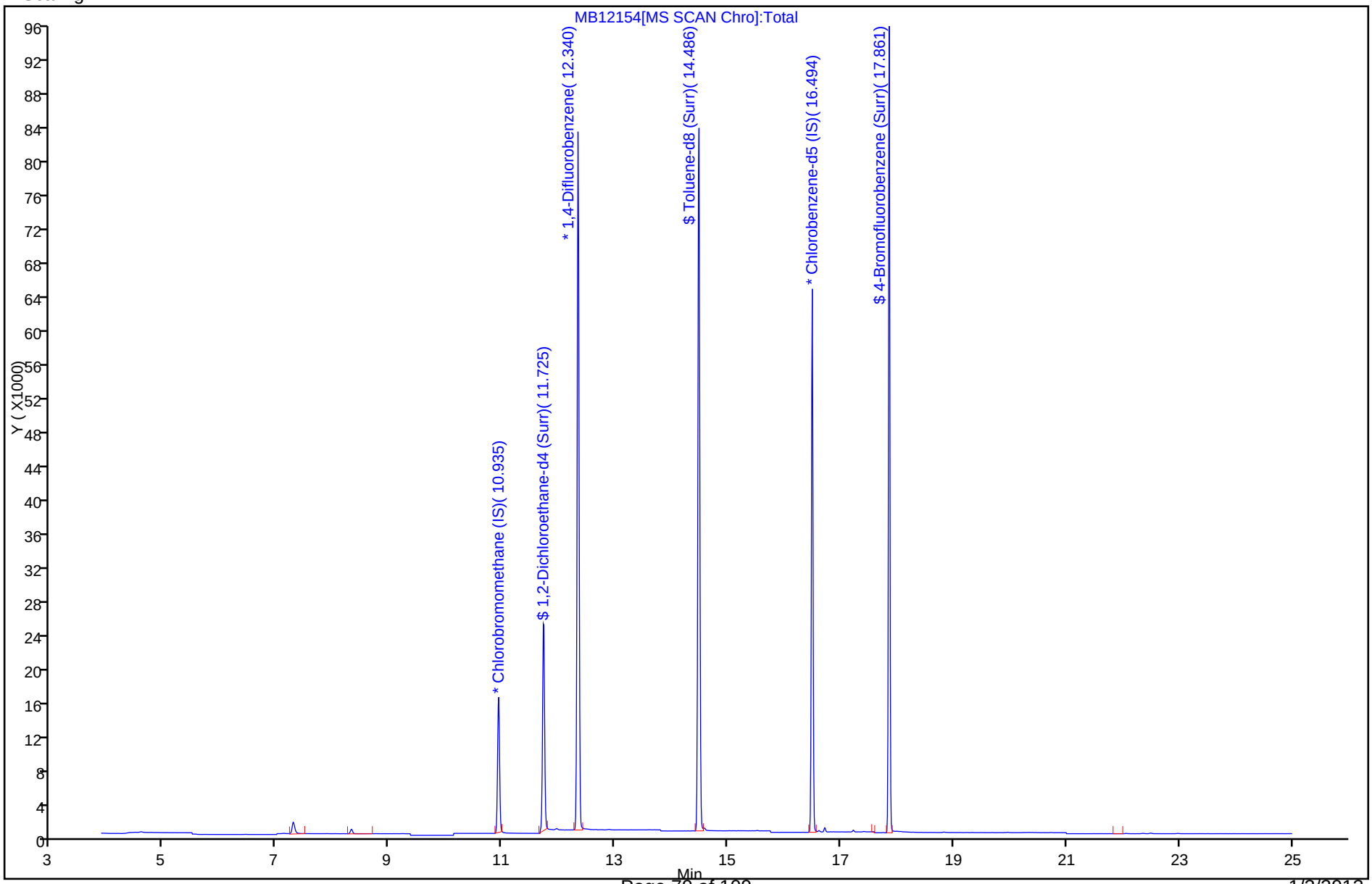
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	41150	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.736	-0.011	100	56156	1.78	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	133217	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	106167	1.82	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	120258	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.853	17.861	-0.009	98	87195	2.00	

Report Date: 15-Dec-2012 16:33:36 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12154.D		
Injection Date:	15-Dec-2012 15:21:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001209	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	7
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5408-1

SDG No.:

Client Sample ID: 34000386 | Lab Sample ID: 340-5408-1

Matrix: Air | Lab File ID: MB12155.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 16:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12155.D		
Lims ID:	340-5408-A-1	Client ID:	34000386
Inject. Date:	15-Dec-2012 16:08:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5408-A-1		
Misc. Info.:	340-0002452-008		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	11
Lims Batch ID:	3555	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	15-Dec-2012 17:40:27	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK033		

First Level Reviewer: yabutl Date: 15-Dec-2012 16:44:23

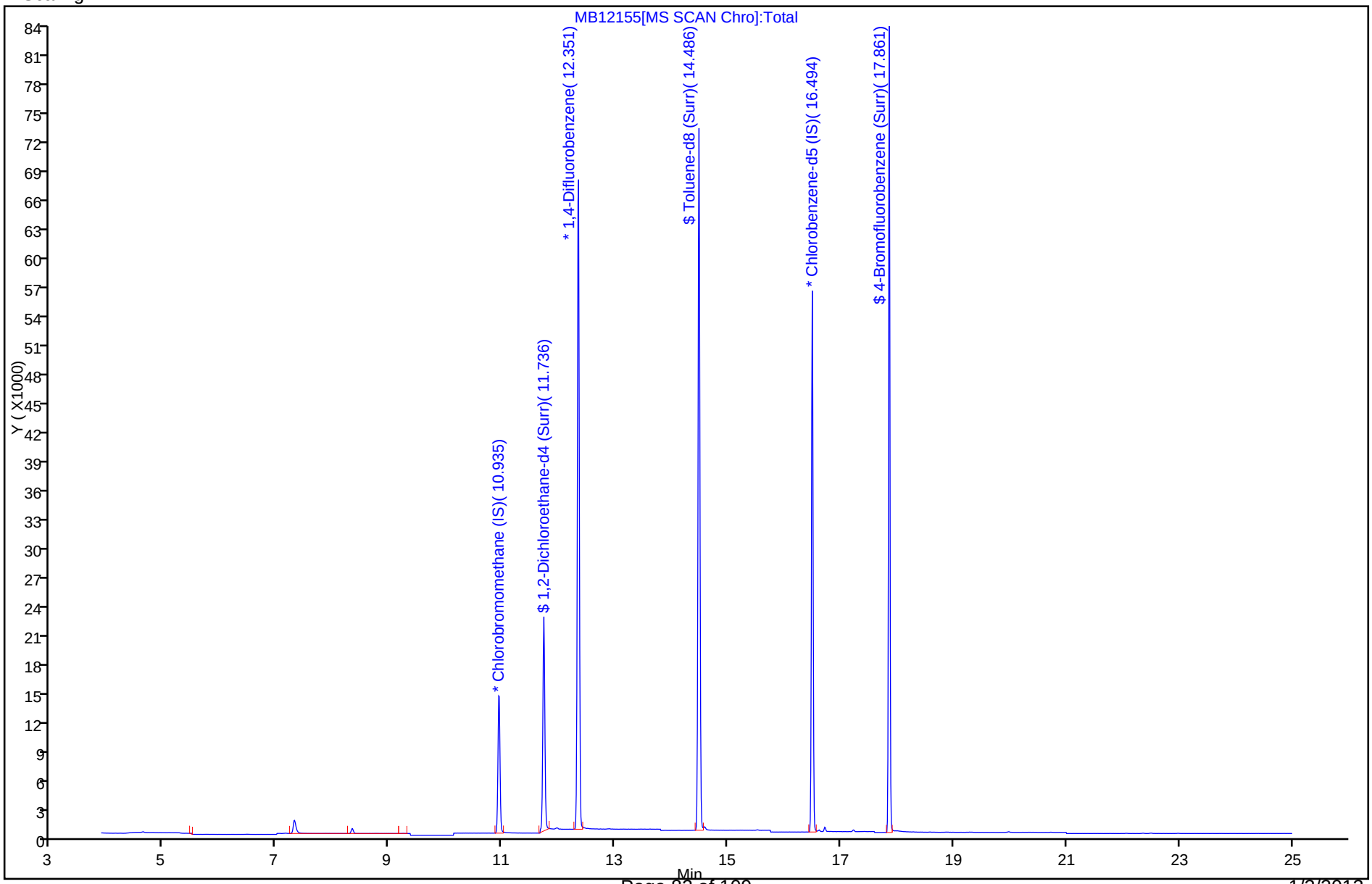
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	36840	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.736	0.0	100	48391	1.71	
* 21 1,4-Difluorobenzene	114	12.351	12.351	0.0	100	112069	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	90107	1.83	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	106453	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	99	74743	1.94	

Report Date: 15-Dec-2012 16:44:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12155.D		
Injection Date:	15-Dec-2012 16:08:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000386	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	8
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5409-1

SDG No.:

Client Sample ID: 34000216 | Lab Sample ID: 340-5409-1

Matrix: Air | Lab File ID: MB12152.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 13:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	97		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		70-130
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12152.D		
Lims ID:	340-5409-A-1	Client ID:	34000216
Inject. Date:	15-Dec-2012 13:50:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5409-A-1		
Misc. Info.:	340-0002452-005		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	8
Lims Batch ID:	3555	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	15-Dec-2012 15:49:50	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK033		

First Level Reviewer: yabutl Date: 15-Dec-2012 15:49:50

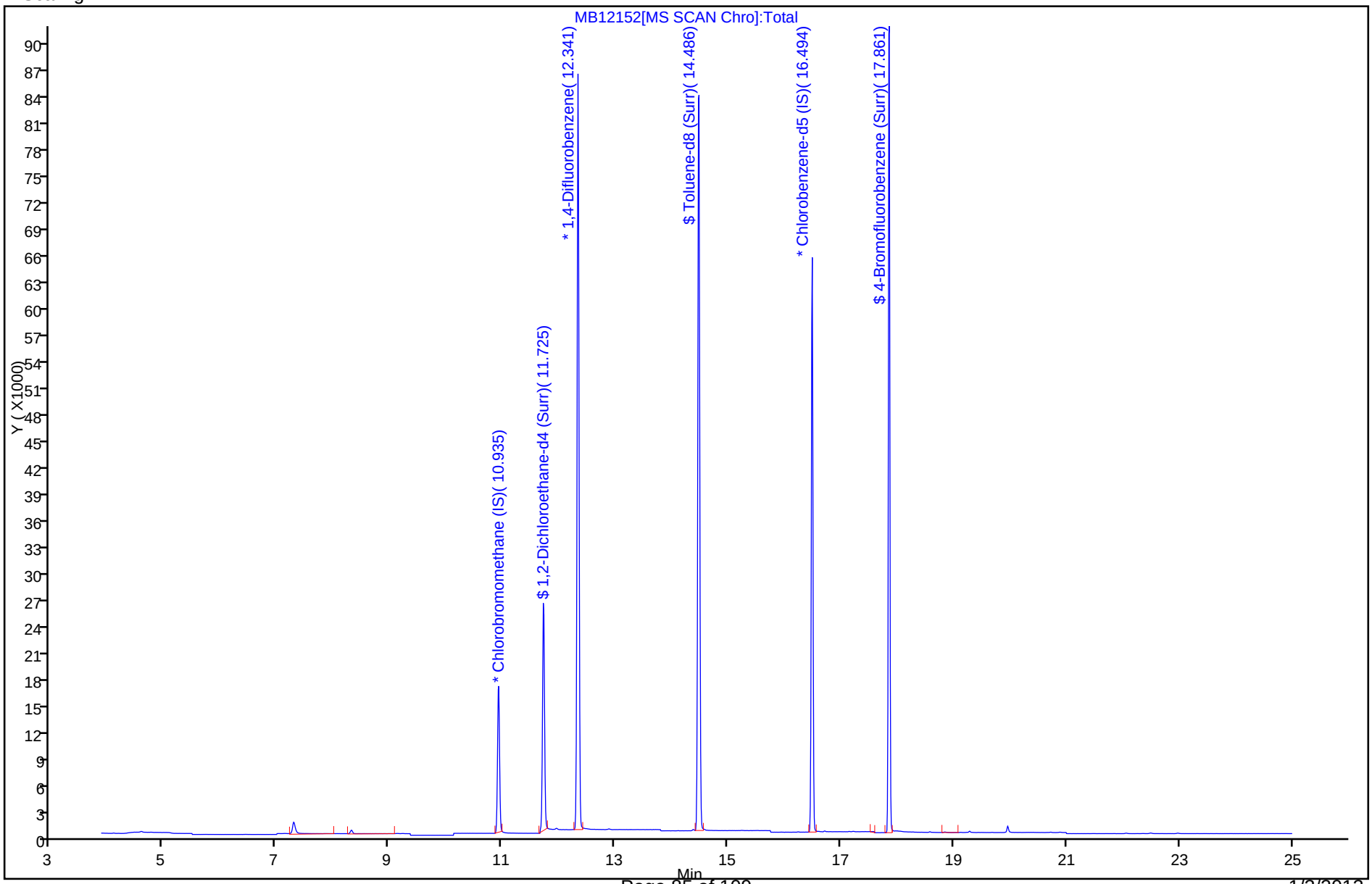
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	43079	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.736	-0.011	100	57810	1.75	
* 21 1,4-Difluorobenzene	114	12.341	12.351	-0.011	100	139610	2.00	
$ 27 Toluene-d8 (Surr)	98	14.476	14.486	-0.010	100	110383	1.80	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	125572	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.853	17.861	-0.008	99	88070	1.93	

Report Date: 15-Dec-2012 15:49:50 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12152.D		
Injection Date:	15-Dec-2012 13:50:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000216	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	5
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5410-1

SDG No.:

Client Sample ID: 34000347 | Lab Sample ID: 340-5410-1

Matrix: Air | Lab File ID: MB12153.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 14:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		70-130
2037-26-5	Toluene-d8 (Surr)	91		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12153.D		
Lims ID:	340-5410-A-1	Client ID:	34000347
Inject. Date:	15-Dec-2012 14:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5410-A-1		
Misc. Info.:	340-0002452-006		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	9
Lims Batch ID:	3555	Lims Sample ID:	6
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	15-Dec-2012 15:50:15	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK033		

First Level Reviewer: yabutl Date: 15-Dec-2012 15:50:15

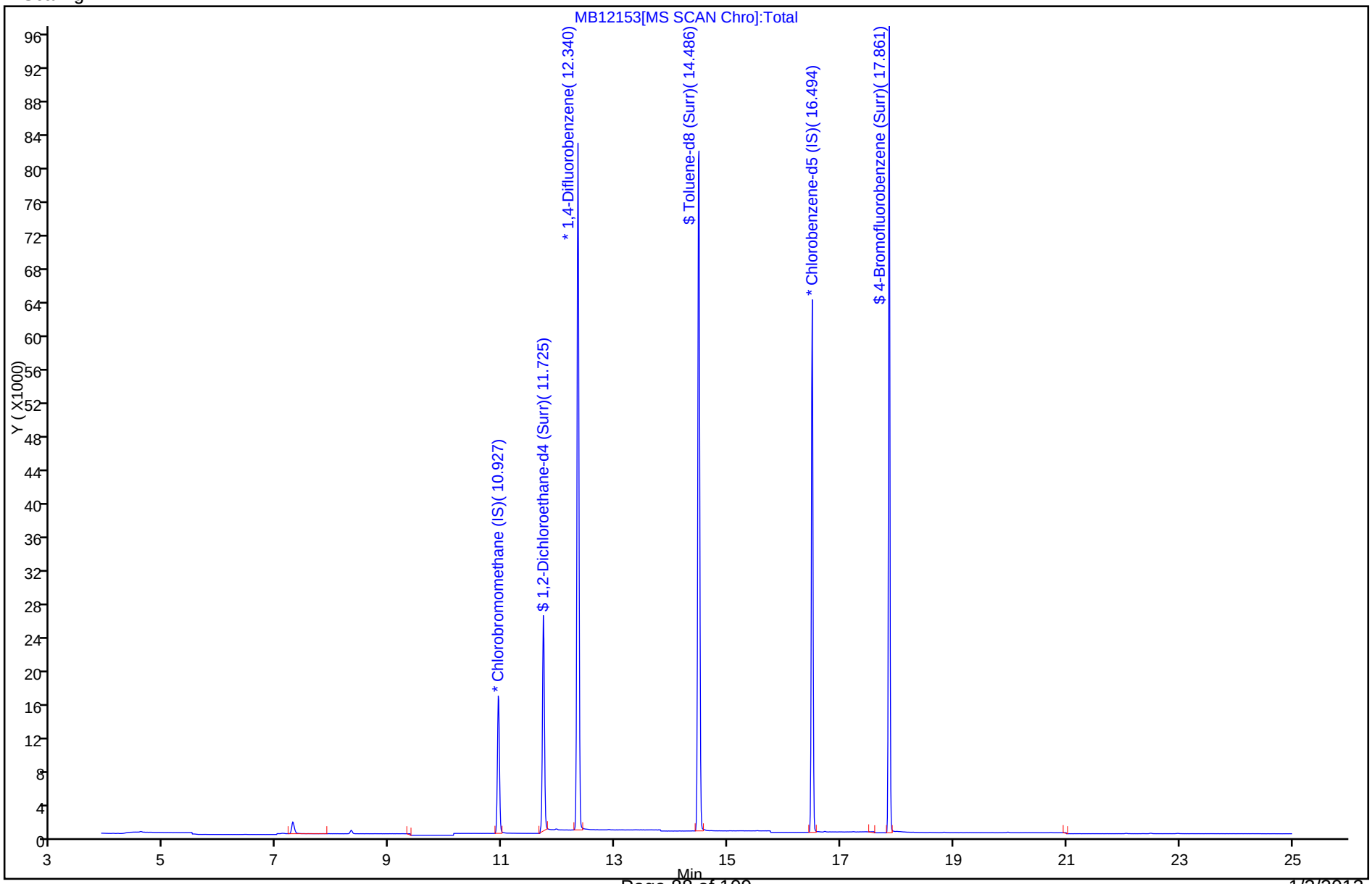
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.927	10.935	-0.008	100	41963	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.736	-0.011	100	55475	1.72	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	133850	2.00	
$ 27 Toluene-d8 (Surr)	98	14.476	14.486	-0.010	100	106702	1.82	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	120282	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	87077	2.00	

Report Date: 15-Dec-2012 15:50:15 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12153.D		
Injection Date:	15-Dec-2012 14:38:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000347	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	6
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5411-1

SDG No.:

Client Sample ID: 34001656 | Lab Sample ID: 340-5411-1

Matrix: Air | Lab File ID: MB12156.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 18:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12156.D		
Lims ID:	340-5411-A-1	Client ID:	34001656
Inject. Date:	15-Dec-2012 18:27:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5411-a-1		
Misc. Info.:	340-0002452-011		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	14
Lims Batch ID:	3555	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	17-Dec-2012 10:01:17	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: yabutl Date: 17-Dec-2012 09:56:06

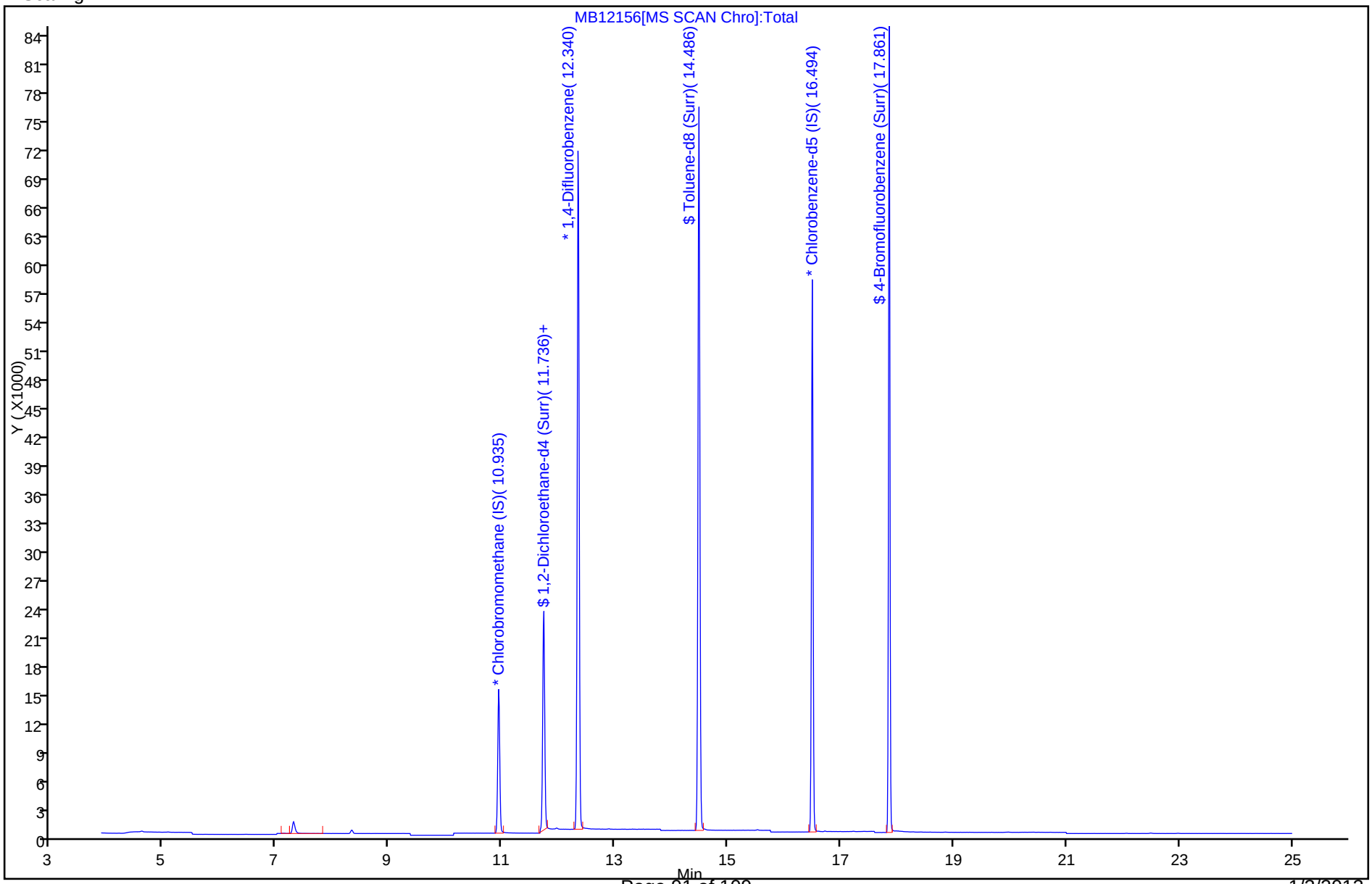
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	37490	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.736	0.0	100	51283	1.78	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	117857	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	95474	1.85	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	109804	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	75611	1.90	

Report Date: 17-Dec-2012 10:01:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12156.D		
Injection Date:	15-Dec-2012 18:27:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001656	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	11
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5412-1

SDG No.:

Client Sample ID: 34001658 | Lab Sample ID: 340-5412-1

Matrix: Air | Lab File ID: MB12157.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 19:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12157.D		
Lims ID:	340-5412-A-1	Client ID:	34001658
Inject. Date:	15-Dec-2012 19:10:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5412-a-1		
Misc. Info.:	340-0002452-012		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	15
Lims Batch ID:	3555	Lims Sample ID:	12
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	17-Dec-2012 10:01:17	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: yabutl Date: 17-Dec-2012 09:56:14

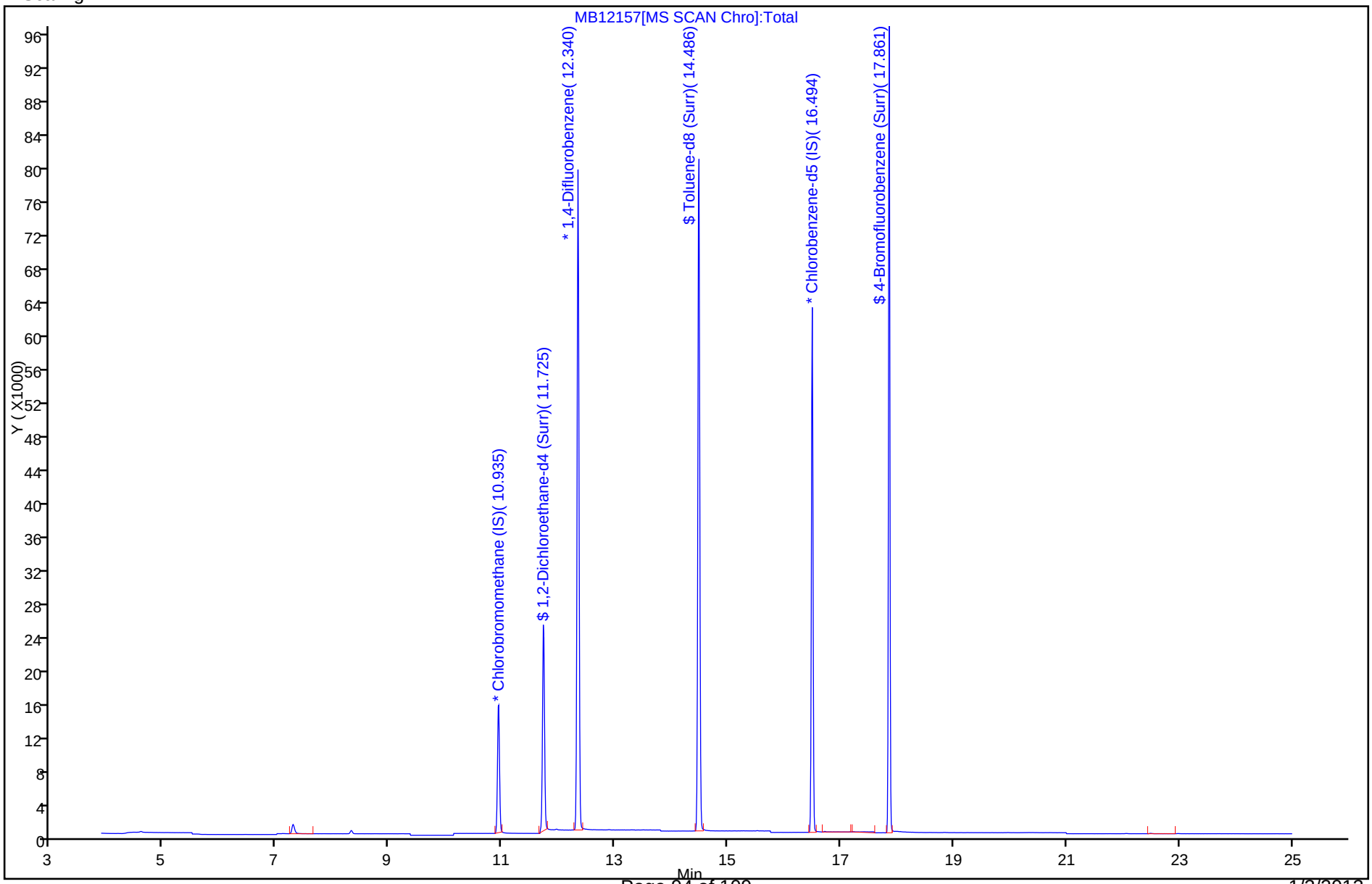
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	39457	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.736	-0.011	100	54331	1.79	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	127627	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	102784	1.84	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	118609	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.852	17.861	-0.009	98	86803	2.02	

Report Date: 17-Dec-2012 10:01:19 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12157.D		
Injection Date:	15-Dec-2012 19:10:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001658	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	12
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5414-1

SDG No.:

Client Sample ID: 34001663 | Lab Sample ID: 340-5414-1

Matrix: Air | Lab File ID: MB12159.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 20:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-130
2037-26-5	Toluene-d8 (Surr)	92		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12159.D		
Lims ID:	340-5414-A-1	Client ID:	34001663
Inject. Date:	15-Dec-2012 20:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5414-a-1		
Misc. Info.:	340-0002452-014		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	1
Lims Batch ID:	3555	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	17-Dec-2012 10:01:17	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: yabutl Date: 17-Dec-2012 09:56:29

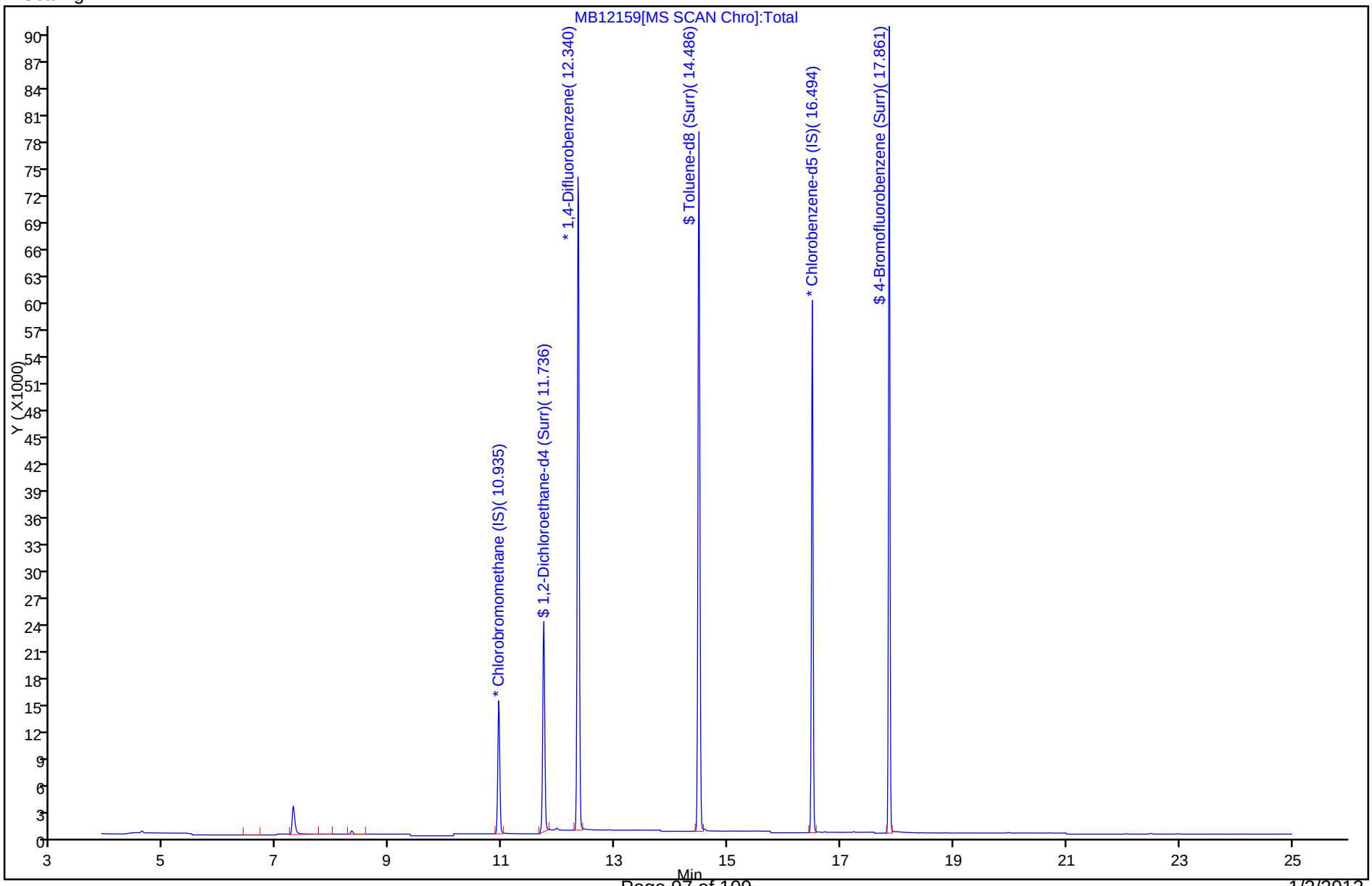
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	36776	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.736	0.0	100	52182	1.85	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	120386	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	96849	1.83	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	110894	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	79926	1.99	

Report Date: 17-Dec-2012 10:01:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB12159.D		
Injection Date:	15-Dec-2012 20:38:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001663	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	14
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5415-1

SDG No.:

Client Sample ID: 34000552 | Lab Sample ID: 340-5415-1

Matrix: Air | Lab File ID: MB1215A.D

Analysis Method: TO-15 SIM | Date Collected: 12/13/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/15/2012 21:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3555 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-130
2037-26-5	Toluene-d8 (Surr)	93		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB1215A.D		
Lims ID:	340-5415-A-1	Client ID:	34000552
Inject. Date:	15-Dec-2012 21:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5415-a-1		
Misc. Info.:	340-0002452-015		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	2
Lims Batch ID:	3555	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121215-2452.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	17-Dec-2012 10:01:17	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: yabutl Date: 17-Dec-2012 09:56:36

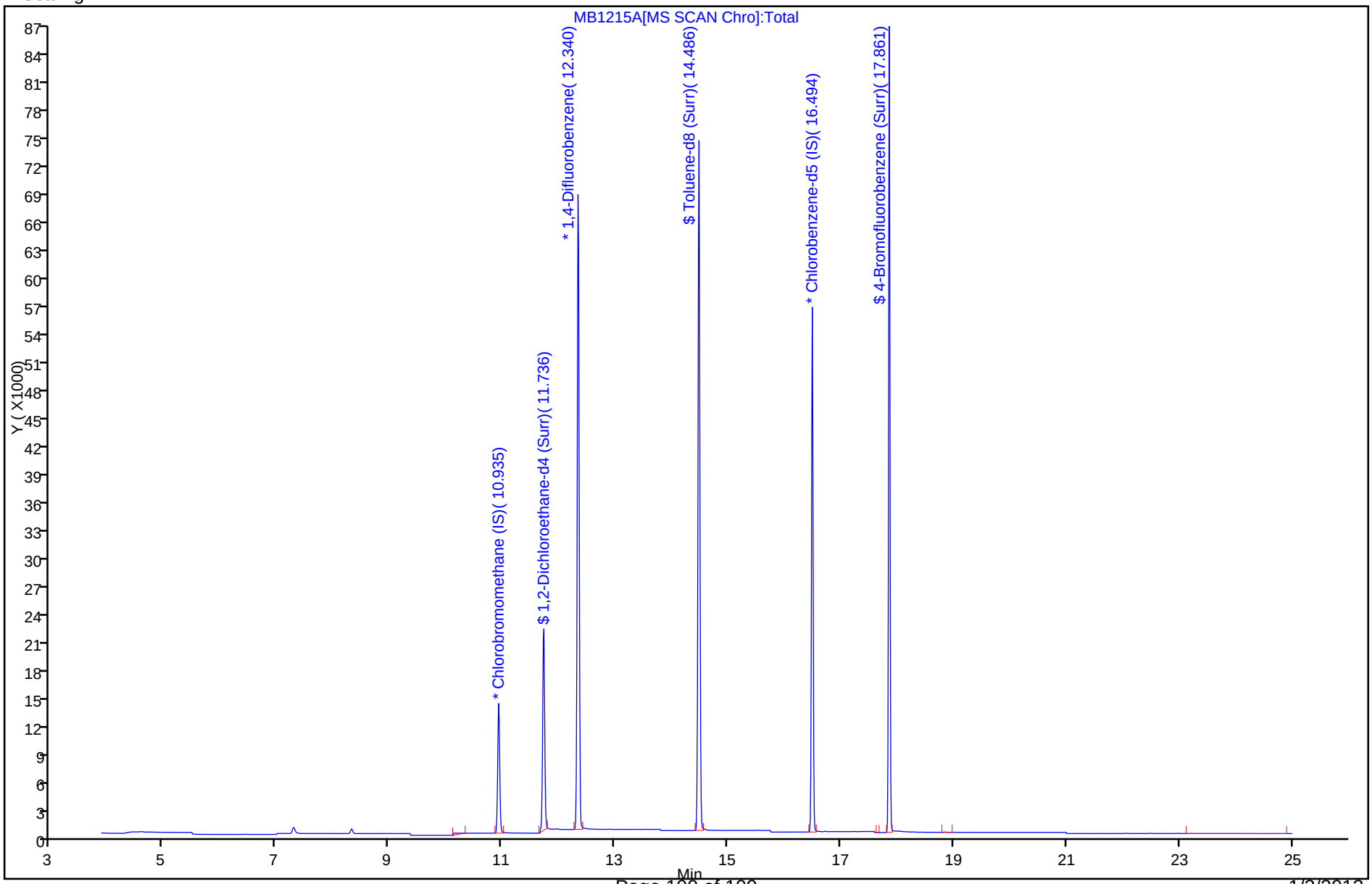
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	34540	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.736	0.0	100	48382	1.82	
* 21 1,4-Difluorobenzene	114	12.340	12.351	-0.011	100	111346	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	91057	1.86	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	105078	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	76539	2.01	

Report Date: 17-Dec-2012 10:01:20 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121215-2452.b\MB1215A.D		
Injection Date:	15-Dec-2012 21:22:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000552	Instrument ID:	MSD
Lims Batch ID:	3555	Lims Sample ID:	15
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5501-1

SDG No.:

Client Sample ID: 34001513 | Lab Sample ID: 340-5501-1

Matrix: Air | Lab File ID: MB12216.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: | Date Analyzed: 12/21/2012 17:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12216.D		
Lims ID:	340-5501-A-1	Client ID:	34001513
Inject. Date:	21-Dec-2012 17:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5501-a-1		
Misc. Info.:	340-0002492-011		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	8
Lims Batch ID:	3619	Lims Sample ID:	11
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 11:36:49	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 11:36:49

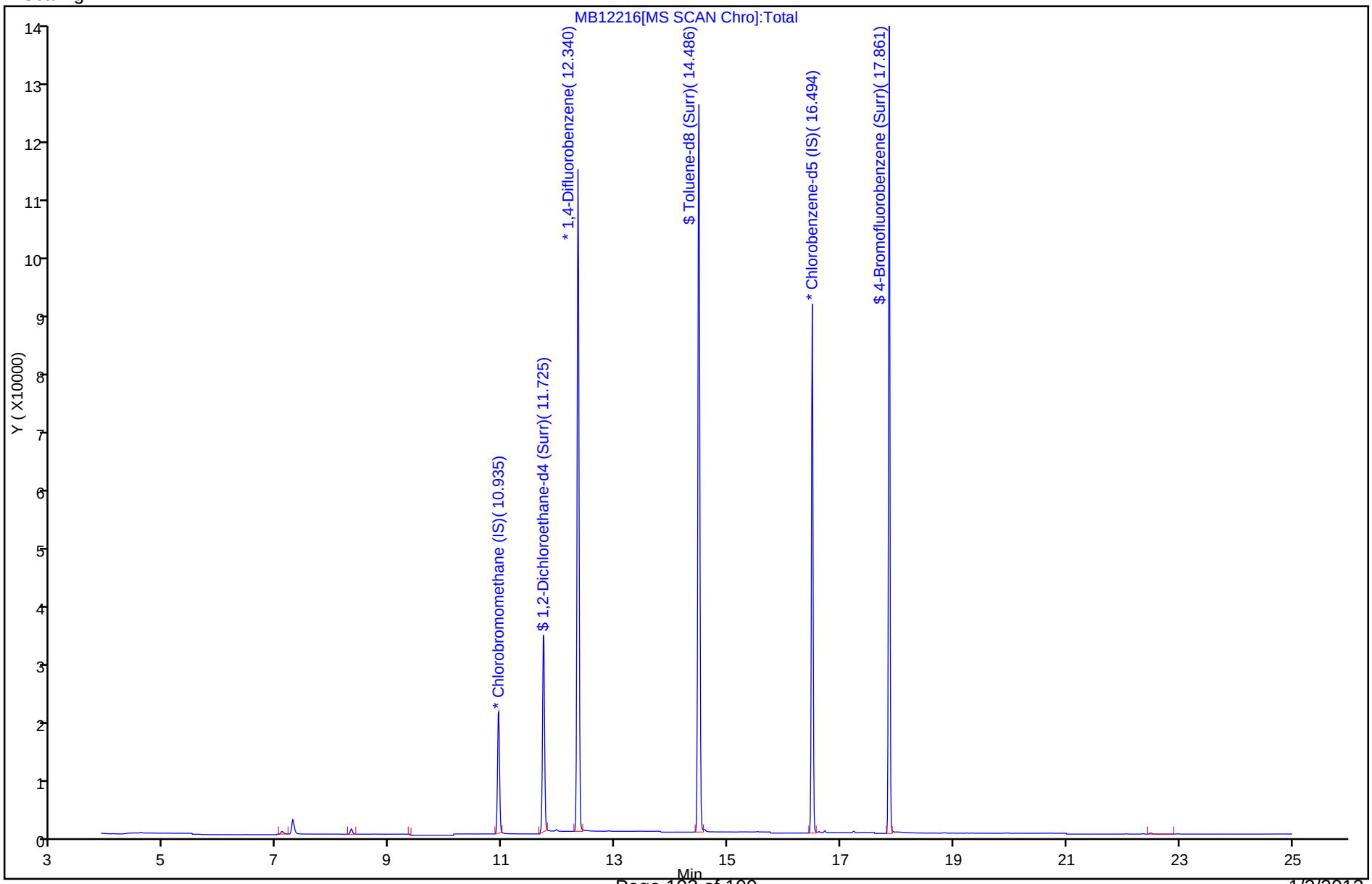
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	50667	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.725	0.0	100	72943	1.87	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	176394	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	150641	1.95	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	163201	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	97	119992	2.03	

Report Date: 26-Dec-2012 11:36:49 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12216.D		
Injection Date:	21-Dec-2012 17:35:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001513	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	11
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5503-1

SDG No.:

Client Sample ID: 34000501 | Lab Sample ID: 340-5503-1

Matrix: Air | Lab File ID: MB12213.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 14:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12213.D		
Lims ID:	340-5503-A-1	Client ID:	34000501
Inject. Date:	21-Dec-2012 14:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5503-A-1		
Misc. Info.:	340-0002492-006		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	5
Lims Batch ID:	3619	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	21-Dec-2012 15:09:48	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK037		

First Level Reviewer: yabutl Date: 21-Dec-2012 15:10:42

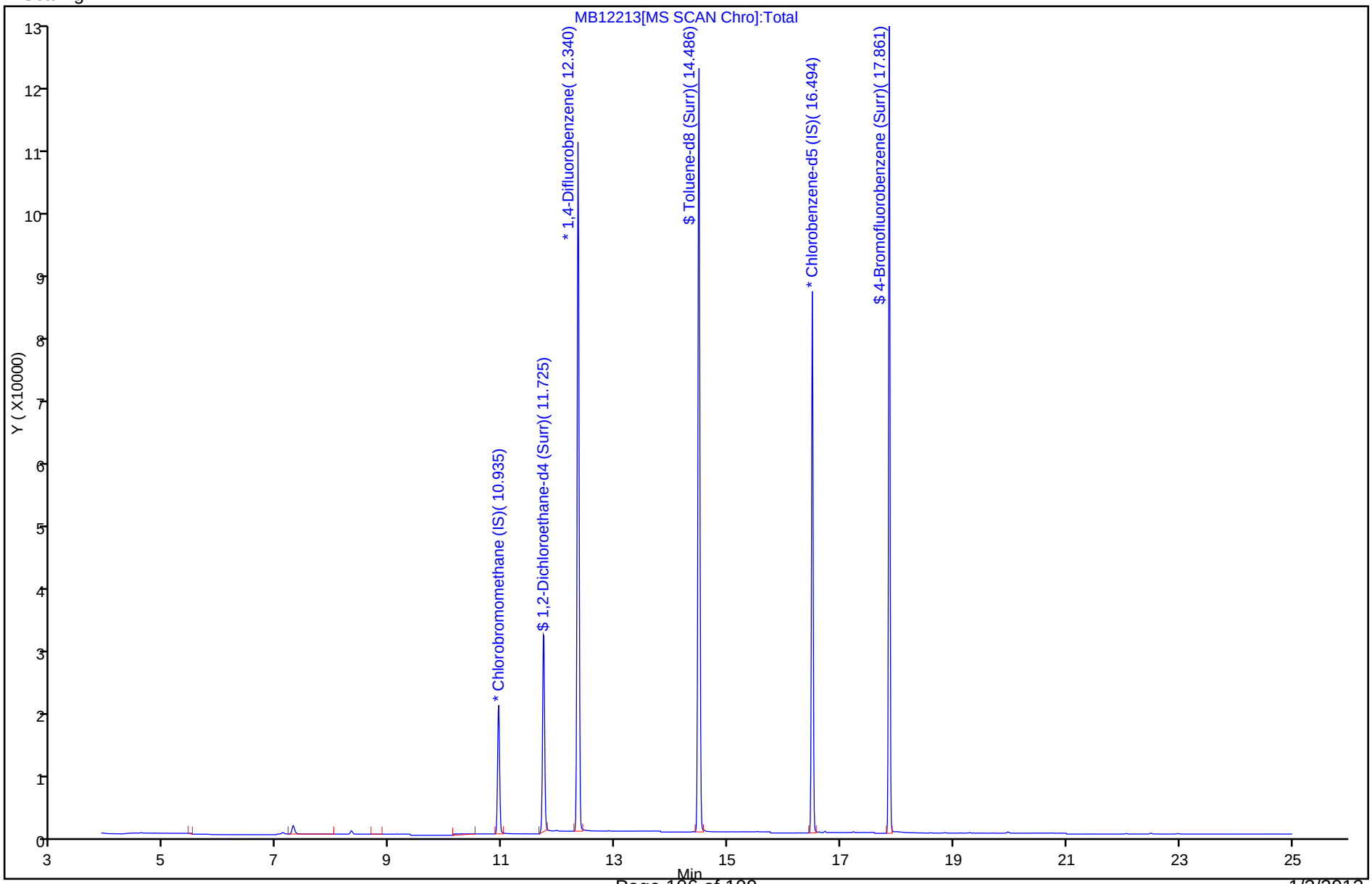
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	51327	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.725	0.0	100	71474	1.81	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	179124	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	150839	1.92	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	162426	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	96	115016	1.95	

Report Date: 21-Dec-2012 15:10:43 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12213.D		
Injection Date:	21-Dec-2012 14:33:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000501	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	7
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5504-1

SDG No.:

Client Sample ID: 34000612 | Lab Sample ID: 340-5504-1

Matrix: Air | Lab File ID: MB12215.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 15:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12215.D		
Lims ID:	340-5504-A-1	Client ID:	34000612
Inject. Date:	21-Dec-2012 15:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5504-A-1		
Misc. Info.:	340-0002492-009		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	7
Lims Batch ID:	3619	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	22-Dec-2012 03:52:08	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 11:36:02

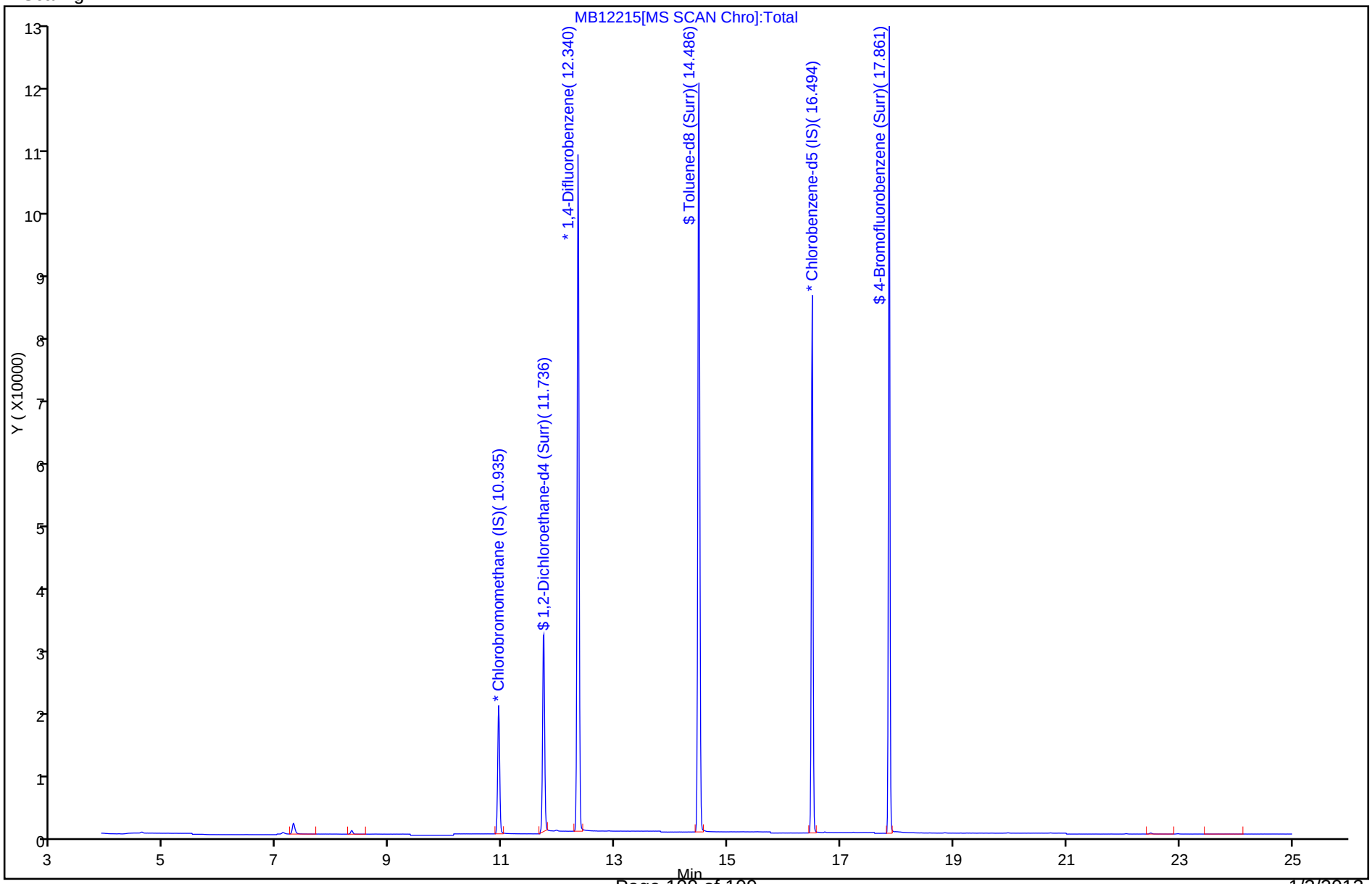
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	50057	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	70369	1.83	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	173172	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	147795	1.95	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	160762	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.852	17.852	0.0	97	115198	1.98	

Report Date: 26-Dec-2012 11:36:03 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12215.D		
Injection Date:	21-Dec-2012 15:59:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000612	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	9
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Costa Mesa
3585 Cadillac Ave
Suite A
Costa Mesa, CA 92626
Tel: (714)258-8610

TestAmerica Job ID: 340-5615-1
Client Project/Site: MEW - Fairchild

For:
Geosyntec Consultants, Inc.
1111 Broadway
6th Floor
Oakland, California 94612

Attn: Nancy Bice

Beth Riley

Authorized for release by:
1/7/2013 2:48:37 PM

Beth Riley
Customer Service Manager
beth.riley@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.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 5
Client Sample Results 8
Surrogate Summary 20
QC Sample Results 21
QC Association Summary 25
Lab Chronicle 26
Certification Summary 29
Method Summary 30
Sample Summary 31
Chain of Custody 32
Receipt Checklists 34
Field Data Sheets 35
Clean Canister Certification 47
Pre-Ship Certification 47
Clean Canister Data 59

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
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
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
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 340-5615-1

Laboratory: TestAmerica Costa Mesa

Narrative

Job Narrative
340-5615-1

Receipt
The samples were received on 1/3/2013 7:30 AM; the samples arrived in good condition.

Air - GC/MS VOA
No analytical or quality issues were noted.

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB6 — Lab Sample ID: 340-5615-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.23		0.020		ppb v/v	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.11		0.020		ppb v/v	1		TO-15 SIM	Total/NA
trans-1,2-Dichloroethene	0.054		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.096		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	20		0.20		ppb v/v	10.1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.90		0.079		ug/m3	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.44		0.079		ug/m3	1		TO-15 SIM	Total/NA
trans-1,2-Dichloroethene	0.21		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.65		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	110		1.1		ug/m3	10.1		TO-15 SIM	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 340-5615-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.23		0.020		ppb v/v	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.11		0.020		ppb v/v	1		TO-15 SIM	Total/NA
trans-1,2-Dichloroethene	0.053		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.093		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	23		0.20		ppb v/v	10.1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.93		0.079		ug/m3	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.45		0.079		ug/m3	1		TO-15 SIM	Total/NA
trans-1,2-Dichloroethene	0.21		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.63		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	120		1.1		ug/m3	10.1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB1 — Lab Sample ID: 340-5615-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.078		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.039		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	3.7		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.31		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.26		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	20		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB2 — Lab Sample ID: 340-5615-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.083		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.039		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	2.6		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.33		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.27		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	14		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB4 — Lab Sample ID: 340-5615-5

Client Sample ID: 379AMB4 (Continued) — Lab Sample ID: 340-5615-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.024		0.020		ppb v/v	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.13		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.058		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	2.6		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.098		0.081		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.50		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.39		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	14		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 379AMB3 — Lab Sample ID: 340-5615-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.028		0.020		ppb v/v	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.15		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.061		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	2.4		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.11		0.081		ug/m3	1		TO-15 SIM	Total/NA
1,1-Dichloroethene	0.59		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.41		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	13		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB5 — Lab Sample ID: 340-5615-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.045		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.98		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.18		0.079		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	5.2		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB6 — Lab Sample ID: 340-5615-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.15		0.020		ppb v/v	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.033		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.026		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	5.6		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.59		0.079		ug/m3	1		TO-15 SIM	Total/NA
cis-1,2-Dichloroethene	0.13		0.079		ug/m3	1		TO-15 SIM	Total/NA
Tetrachloroethene	0.17		0.14		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	30		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB8 — Lab Sample ID: 340-5615-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.097		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.0		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Detection Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB8 (Continued) — Lab Sample ID: 340-5615-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.38		0.079		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	5.6		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB3 — Lab Sample ID: 340-5615-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.035		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	0.92		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.14		0.079		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	4.9		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369AMB7 — Lab Sample ID: 340-5615-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.041		0.020		ppb v/v	1		TO-15 SIM	Total/NA
Trichloroethene	1.1		0.020		ppb v/v	1		TO-15 SIM	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.16		0.079		ug/m3	1		TO-15 SIM	Total/NA
Trichloroethene	5.7		0.11		ug/m3	1		TO-15 SIM	Total/NA

Client Sample ID: 369/379 OUT1 — Lab Sample ID: 340-5615-12

No Detections

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB6

Lab Sample ID: 340-5615-1

Date Collected: 01/01/13 08:08
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 18:13	1
1,1-Dichloroethene	**0.23**		0.020		ppb v/v			01/03/13 18:13	1
cis-1,2-Dichloroethene	**0.11**		0.020		ppb v/v			01/03/13 18:13	1
trans-1,2-Dichloroethene	**0.054**		0.020		ppb v/v			01/03/13 18:13	1
Tetrachloroethene	**0.096**		0.020		ppb v/v			01/03/13 18:13	1
Trichloroethene	**20**		0.20		ppb v/v			01/04/13 16:59	10.1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 18:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 18:13	1
1,1-Dichloroethene	**0.90**		0.079		ug/m3			01/03/13 18:13	1
cis-1,2-Dichloroethene	**0.44**		0.079		ug/m3			01/03/13 18:13	1
trans-1,2-Dichloroethene	**0.21**		0.079		ug/m3			01/03/13 18:13	1
Tetrachloroethene	**0.65**		0.14		ug/m3			01/03/13 18:13	1
Trichloroethene	**110**		1.1		ug/m3			01/04/13 16:59	10.1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*		*01/03/13 18:13*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/04/13 16:59*	*10.1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/03/13 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*		*01/04/13 16:59*	*10.1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/03/13 18:13*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/04/13 16:59*	*10.1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: DUP-1

Lab Sample ID: 340-5615-2

Date Collected: 01/01/13 08:08
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 19:01	1
1,1-Dichloroethene	**0.23**		0.020		ppb v/v			01/03/13 19:01	1
cis-1,2-Dichloroethene	**0.11**		0.020		ppb v/v			01/03/13 19:01	1
trans-1,2-Dichloroethene	**0.053**		0.020		ppb v/v			01/03/13 19:01	1
Tetrachloroethene	**0.093**		0.020		ppb v/v			01/03/13 19:01	1
Trichloroethene	**23**		0.20		ppb v/v			01/04/13 17:42	10.1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 19:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 19:01	1
1,1-Dichloroethene	**0.93**		0.079		ug/m3			01/03/13 19:01	1
cis-1,2-Dichloroethene	**0.45**		0.079		ug/m3			01/03/13 19:01	1
trans-1,2-Dichloroethene	**0.21**		0.079		ug/m3			01/03/13 19:01	1
Tetrachloroethene	**0.63**		0.14		ug/m3			01/03/13 19:01	1
Trichloroethene	**120**		1.1		ug/m3			01/04/13 17:42	10.1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*01/03/13 19:01*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*01/04/13 17:42*	*10.1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 130*		*01/03/13 19:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/04/13 17:42*	*10.1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/03/13 19:01*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/04/13 17:42*	*10.1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB1

Lab Sample ID: 340-5615-3

Date Collected: 01/01/13 08:12
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 19:50	1
1,1-Dichloroethene	**0.078**		0.020		ppb v/v			01/03/13 19:50	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 19:50	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 19:50	1
Tetrachloroethene	**0.039**		0.020		ppb v/v			01/03/13 19:50	1
Trichloroethene	**3.7**		0.020		ppb v/v			01/03/13 19:50	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 19:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 19:50	1
1,1-Dichloroethene	**0.31**		0.079		ug/m3			01/03/13 19:50	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 19:50	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 19:50	1
Tetrachloroethene	**0.26**		0.14		ug/m3			01/03/13 19:50	1
Trichloroethene	**20**		0.11		ug/m3			01/03/13 19:50	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 19:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*01/03/13 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 130*		*01/03/13 19:50*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/03/13 19:50*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB2

Lab Sample ID: 340-5615-4

Date Collected: 01/01/13 08:14
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 20:38	1
1,1-Dichloroethene	**0.083**		0.020		ppb v/v			01/03/13 20:38	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 20:38	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 20:38	1
Tetrachloroethene	**0.039**		0.020		ppb v/v			01/03/13 20:38	1
Trichloroethene	**2.6**		0.020		ppb v/v			01/03/13 20:38	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 20:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 20:38	1
1,1-Dichloroethene	**0.33**		0.079		ug/m3			01/03/13 20:38	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 20:38	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 20:38	1
Tetrachloroethene	**0.27**		0.14		ug/m3			01/03/13 20:38	1
Trichloroethene	**14**		0.11		ug/m3			01/03/13 20:38	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*01/03/13 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/03/13 20:38*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/03/13 20:38*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB4

Lab Sample ID: 340-5615-5

Date Collected: 01/01/13 08:17
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.024**		0.020		ppb v/v			01/03/13 21:26	1
1,1-Dichloroethene	**0.13**		0.020		ppb v/v			01/03/13 21:26	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 21:26	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 21:26	1
Tetrachloroethene	**0.058**		0.020		ppb v/v			01/03/13 21:26	1
Trichloroethene	**2.6**		0.020		ppb v/v			01/03/13 21:26	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 21:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.098**		0.081		ug/m3			01/03/13 21:26	1
1,1-Dichloroethene	**0.50**		0.079		ug/m3			01/03/13 21:26	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 21:26	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 21:26	1
Tetrachloroethene	**0.39**		0.14		ug/m3			01/03/13 21:26	1
Trichloroethene	**14**		0.11		ug/m3			01/03/13 21:26	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/03/13 21:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/03/13 21:26*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/03/13 21:26*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB3

Lab Sample ID: 340-5615-6

Date Collected: 01/01/13 08:19
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.028**		0.020		ppb v/v			01/03/13 22:13	1
1,1-Dichloroethene	**0.15**		0.020		ppb v/v			01/03/13 22:13	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 22:13	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 22:13	1
Tetrachloroethene	**0.061**		0.020		ppb v/v			01/03/13 22:13	1
Trichloroethene	**2.4**		0.020		ppb v/v			01/03/13 22:13	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 22:13	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.11**		0.081		ug/m3			01/03/13 22:13	1
1,1-Dichloroethene	**0.59**		0.079		ug/m3			01/03/13 22:13	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 22:13	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 22:13	1
Tetrachloroethene	**0.41**		0.14		ug/m3			01/03/13 22:13	1
Trichloroethene	**13**		0.11		ug/m3			01/03/13 22:13	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 22:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/03/13 22:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/03/13 22:13*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/03/13 22:13*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB5

Lab Sample ID: 340-5615-7

Date Collected: 01/01/13 08:25
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 23:02	1
1,1-Dichloroethene	**0.045**		0.020		ppb v/v			01/03/13 23:02	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 23:02	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 23:02	1
Tetrachloroethene	ND		0.020		ppb v/v			01/03/13 23:02	1
Trichloroethene	**0.98**		0.020		ppb v/v			01/03/13 23:02	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 23:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 23:02	1
1,1-Dichloroethene	**0.18**		0.079		ug/m3			01/03/13 23:02	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 23:02	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 23:02	1
Tetrachloroethene	ND		0.14		ug/m3			01/03/13 23:02	1
Trichloroethene	**5.2**		0.11		ug/m3			01/03/13 23:02	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*		*01/03/13 23:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*01/03/13 23:02*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/03/13 23:02*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB6

Lab Sample ID: 340-5615-8

Date Collected: 01/01/13 08:27
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 23:50	1
1,1-Dichloroethene	**0.15**		0.020		ppb v/v			01/03/13 23:50	1
cis-1,2-Dichloroethene	**0.033**		0.020		ppb v/v			01/03/13 23:50	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 23:50	1
Tetrachloroethene	**0.026**		0.020		ppb v/v			01/03/13 23:50	1
Trichloroethene	**5.6**		0.020		ppb v/v			01/03/13 23:50	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 23:50	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 23:50	1
1,1-Dichloroethene	**0.59**		0.079		ug/m3			01/03/13 23:50	1
cis-1,2-Dichloroethene	**0.13**		0.079		ug/m3			01/03/13 23:50	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 23:50	1
Tetrachloroethene	**0.17**		0.14		ug/m3			01/03/13 23:50	1
Trichloroethene	**30**		0.11		ug/m3			01/03/13 23:50	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 23:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*01/03/13 23:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/03/13 23:50*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/03/13 23:50*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB8

Lab Sample ID: 340-5615-9

Date Collected: 01/01/13 08:29
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/04/13 00:38	1
1,1-Dichloroethene	**0.097**		0.020		ppb v/v			01/04/13 00:38	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 00:38	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 00:38	1
Tetrachloroethene	ND		0.020		ppb v/v			01/04/13 00:38	1
Trichloroethene	**1.0**		0.020		ppb v/v			01/04/13 00:38	1
Vinyl chloride	ND		0.020		ppb v/v			01/04/13 00:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/04/13 00:38	1
1,1-Dichloroethene	**0.38**		0.079		ug/m3			01/04/13 00:38	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 00:38	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 00:38	1
Tetrachloroethene	ND		0.14		ug/m3			01/04/13 00:38	1
Trichloroethene	**5.6**		0.11		ug/m3			01/04/13 00:38	1
Vinyl chloride	ND		0.051		ug/m3			01/04/13 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*		*01/04/13 00:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/04/13 00:38*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*		*01/04/13 00:38*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB3

Lab Sample ID: 340-5615-10

Date Collected: 01/01/13 08:32
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/04/13 01:26	1
1,1-Dichloroethene	**0.035**		0.020		ppb v/v			01/04/13 01:26	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 01:26	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 01:26	1
Tetrachloroethene	ND		0.020		ppb v/v			01/04/13 01:26	1
Trichloroethene	**0.92**		0.020		ppb v/v			01/04/13 01:26	1
Vinyl chloride	ND		0.020		ppb v/v			01/04/13 01:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/04/13 01:26	1
1,1-Dichloroethene	**0.14**		0.079		ug/m3			01/04/13 01:26	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 01:26	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 01:26	1
Tetrachloroethene	ND		0.14		ug/m3			01/04/13 01:26	1
Trichloroethene	**4.9**		0.11		ug/m3			01/04/13 01:26	1
Vinyl chloride	ND		0.051		ug/m3			01/04/13 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*01/04/13 01:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/04/13 01:26*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*01/04/13 01:26*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369AMB7

Lab Sample ID: 340-5615-11

Date Collected: 01/01/13 08:33
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/04/13 02:14	1
1,1-Dichloroethene	**0.041**		0.020		ppb v/v			01/04/13 02:14	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 02:14	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 02:14	1
Tetrachloroethene	ND		0.020		ppb v/v			01/04/13 02:14	1
Trichloroethene	**1.1**		0.020		ppb v/v			01/04/13 02:14	1
Vinyl chloride	ND		0.020		ppb v/v			01/04/13 02:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/04/13 02:14	1
1,1-Dichloroethene	**0.16**		0.079		ug/m3			01/04/13 02:14	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 02:14	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 02:14	1
Tetrachloroethene	ND		0.14		ug/m3			01/04/13 02:14	1
Trichloroethene	**5.7**		0.11		ug/m3			01/04/13 02:14	1
Vinyl chloride	ND		0.051		ug/m3			01/04/13 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*		*01/04/13 02:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/04/13 02:14*	*1*
Toluene-d8 (Surr)	*92*		*70 - 130*		*01/04/13 02:14*	*1*

Client Sample Results

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369/379 OUT1

Lab Sample ID: 340-5615-12

Date Collected: 01/01/13 08:37
Matrix: Air
Date Received: 01/03/13 07:30
Sample Container: Summa Canister 6L

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/04/13 03:01	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/04/13 03:01	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 03:01	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 03:01	1
Tetrachloroethene	ND		0.020		ppb v/v			01/04/13 03:01	1
Trichloroethene	ND		0.020		ppb v/v			01/04/13 03:01	1
Vinyl chloride	ND		0.020		ppb v/v			01/04/13 03:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/04/13 03:01	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/04/13 03:01	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 03:01	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 03:01	1
Tetrachloroethene	ND		0.14		ug/m3			01/04/13 03:01	1
Trichloroethene	ND		0.11		ug/m3			01/04/13 03:01	1
Vinyl chloride	ND		0.051		ug/m3			01/04/13 03:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*01/04/13 03:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*		*01/04/13 03:01*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/04/13 03:01*	*1*

Surrogate Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	12DCE	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
340-5615-1	379AMB6	107	95	94
340-5615-1	379AMB6	99	96	91
340-5615-2	DUP-1	103	97	94
340-5615-2	DUP-1	102	98	92
340-5615-3	379AMB1	103	98	94
340-5615-4	379AMB2	101	95	93
340-5615-5	379AMB4	98	94	92
340-5615-6	379AMB3	98	94	92
340-5615-7	369AMB5	103	93	91
340-5615-8	369AMB6	102	95	93
340-5615-9	369AMB8	104	94	93
340-5615-10	369AMB3	101	94	89
340-5615-11	369AMB7	101	94	92
340-5615-12	369/379 OUT1	97	94	91
LCS 340-3700/2	Lab Control Sample	99	94	97
LCS 340-3710/4	Lab Control Sample	101	99	97
LCSD 340-3700/3	Lab Control Sample Dup	96	95	95
LCSD 340-3710/5	Lab Control Sample Dup	100	100	98
MB 340-3700/4	Method Blank	97	93	90
MB 340-3710/6	Method Blank	98	95	91

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

TOL = Toluene-d8 (Surr)

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)

Lab Sample ID: MB 340-3700/4
Matrix: Air
Analysis Batch: 3700

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/03/13 09:51	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/03/13 09:51	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 09:51	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/03/13 09:51	1
Tetrachloroethene	ND		0.020		ppb v/v			01/03/13 09:51	1
Trichloroethene	ND		0.020		ppb v/v			01/03/13 09:51	1
Vinyl chloride	ND		0.020		ppb v/v			01/03/13 09:51	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/03/13 09:51	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/03/13 09:51	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 09:51	1
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/03/13 09:51	1
Tetrachloroethene	ND		0.14		ug/m3			01/03/13 09:51	1
Trichloroethene	ND		0.11		ug/m3			01/03/13 09:51	1
Vinyl chloride	ND		0.051		ug/m3			01/03/13 09:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*01/03/13 09:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*01/03/13 09:51*	*1*
Toluene-d8 (Surr)	*90*		*70 - 130*		*01/03/13 09:51*	*1*

Lab Sample ID: LCS 340-3700/2
Matrix: Air
Analysis Batch: 3700

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.00	0.751		ppb v/v		75	70 - 130
1,1-Dichloroethene	1.00	0.822		ppb v/v		82	70 - 130
cis-1,2-Dichloroethene	1.00	0.844		ppb v/v		84	70 - 130
trans-1,2-Dichloroethene	1.00	0.977		ppb v/v		98	70 - 130
Tetrachloroethene	1.00	1.01		ppb v/v		101	70 - 130
Trichloroethene	1.00	0.990		ppb v/v		99	70 - 130
Vinyl chloride	1.00	0.849		ppb v/v		85	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	4.0	3.04		ug/m3		75	70 - 130
1,1-Dichloroethene	4.0	3.26		ug/m3		82	70 - 130
cis-1,2-Dichloroethene	4.0	3.35		ug/m3		84	70 - 130
trans-1,2-Dichloroethene	4.0	3.87		ug/m3		98	70 - 130
Tetrachloroethene	6.8	6.82		ug/m3		101	70 - 130
Trichloroethene	5.4	5.32		ug/m3		99	70 - 130
Vinyl chloride	2.6	2.17		ug/m3		85	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCS 340-3700/2 — **Client Sample ID: Lab Control Sample**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3700

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 340-3700/3 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3700

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane			1.00	0.750		ppb v/v		75	70 - 130	0	25
1,1-Dichloroethene			1.00	0.826		ppb v/v		83	70 - 130	1	25
cis-1,2-Dichloroethene			1.00	0.829		ppb v/v		83	70 - 130	2	25
trans-1,2-Dichloroethene			1.00	0.918		ppb v/v		92	70 - 130	6	25
Tetrachloroethene			1.00	1.00		ppb v/v		100	70 - 130	0	25
Trichloroethene			1.00	0.943		ppb v/v		94	70 - 130	5	25
Vinyl chloride			1.00	0.833		ppb v/v		83	70 - 130	2	25

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane			4.0	3.04		ug/m3		75	70 - 130	0	25
1,1-Dichloroethene			4.0	3.28		ug/m3		83	70 - 130	1	25
cis-1,2-Dichloroethene			4.0	3.29		ug/m3		83	70 - 130	2	25
trans-1,2-Dichloroethene			4.0	3.64		ug/m3		92	70 - 130	6	25
Tetrachloroethene			6.8	6.80		ug/m3		100	70 - 130	0	25
Trichloroethene			5.4	5.07		ug/m3		94	70 - 130	5	25
Vinyl chloride			2.6	2.13		ug/m3		83	70 - 130	2	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*
Toluene-d8 (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 340-3710/6 — **Client Sample ID: Method Blank**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.020		ppb v/v			01/04/13 12:18	1
1,1-Dichloroethene	ND		0.020		ppb v/v			01/04/13 12:18	1
cis-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 12:18	1
trans-1,2-Dichloroethene	ND		0.020		ppb v/v			01/04/13 12:18	1
Tetrachloroethene	ND		0.020		ppb v/v			01/04/13 12:18	1
Trichloroethene	ND		0.020		ppb v/v			01/04/13 12:18	1
Vinyl chloride	ND		0.020		ppb v/v			01/04/13 12:18	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.081		ug/m3			01/04/13 12:18	1
1,1-Dichloroethene	ND		0.079		ug/m3			01/04/13 12:18	1
cis-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 12:18	1

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: MB 340-3710/6 — **Client Sample ID: Method Blank**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3710

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		0.079		ug/m3			01/04/13 12:18	1
Tetrachloroethene	ND		0.14		ug/m3			01/04/13 12:18	1
Trichloroethene	ND		0.11		ug/m3			01/04/13 12:18	1
Vinyl chloride	ND		0.051		ug/m3			01/04/13 12:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/04/13 12:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 130*		*01/04/13 12:18*	*1*
Toluene-d8 (Surr)	*91*		*70 - 130*		*01/04/13 12:18*	*1*

Lab Sample ID: LCS 340-3710/4 — **Client Sample ID: Lab Control Sample**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3710

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	1.00	0.718		ppb v/v		72	70 - 130
1,1-Dichloroethene	1.00	0.837		ppb v/v		84	70 - 130
cis-1,2-Dichloroethene	1.00	0.820		ppb v/v		82	70 - 130
trans-1,2-Dichloroethene	1.00	0.893		ppb v/v		89	70 - 130
Tetrachloroethene	1.00	0.951		ppb v/v		95	70 - 130
Trichloroethene	1.00	0.920		ppb v/v		92	70 - 130
Vinyl chloride	1.00	0.972		ppb v/v		97	70 - 130

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	4.0	2.91		ug/m3		72	70 - 130
1,1-Dichloroethene	4.0	3.32		ug/m3		84	70 - 130
cis-1,2-Dichloroethene	4.0	3.25		ug/m3		82	70 - 130
trans-1,2-Dichloroethene	4.0	3.54		ug/m3		89	70 - 130
Tetrachloroethene	6.8	6.45		ug/m3		95	70 - 130
Trichloroethene	5.4	4.95		ug/m3		92	70 - 130
Vinyl chloride	2.6	2.48		ug/m3		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 340-3710/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Air — **Prep Type: Total/NA**
Analysis Batch: 3710

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	1.00	0.708		ppb v/v		71	70 - 130	1	25
1,1-Dichloroethene	1.00	0.816		ppb v/v		82	70 - 130	3	25
cis-1,2-Dichloroethene	1.00	0.776		ppb v/v		78	70 - 130	6	25
trans-1,2-Dichloroethene	1.00	0.940		ppb v/v		94	70 - 130	5	25

Method: TO-15 SIM - Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS) (Continued)

Lab Sample ID: LCSD 340-3710/5
Matrix: Air
Analysis Batch: 3710

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene			1.00	0.931		ppb v/v		93	70 - 130	2	25
Trichloroethene			1.00	0.925		ppb v/v		93	70 - 130	1	25
Vinyl chloride			1.00	0.977		ppb v/v		98	70 - 130	0	25

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane			4.0	2.86		ug/m3		71	70 - 130	1	25
1,1-Dichloroethene			4.0	3.23		ug/m3		82	70 - 130	3	25
cis-1,2-Dichloroethene			4.0	3.08		ug/m3		78	70 - 130	6	25
trans-1,2-Dichloroethene			4.0	3.73		ug/m3		94	70 - 130	5	25
Tetrachloroethene			6.8	6.31		ug/m3		93	70 - 130	2	25
Trichloroethene			5.4	4.97		ug/m3		93	70 - 130	1	25
Vinyl chloride			2.6	2.50		ug/m3		98	70 - 130	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Association Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Air - GC/MS VOA

Analysis Batch: 3700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
340-5615-1	379AMB6	Total/NA	Air	TO-15 SIM	
340-5615-2	DUP-1	Total/NA	Air	TO-15 SIM	
340-5615-3	379AMB1	Total/NA	Air	TO-15 SIM	
340-5615-4	379AMB2	Total/NA	Air	TO-15 SIM	
340-5615-5	379AMB4	Total/NA	Air	TO-15 SIM	
340-5615-6	379AMB3	Total/NA	Air	TO-15 SIM	
340-5615-7	369AMB5	Total/NA	Air	TO-15 SIM	
340-5615-8	369AMB6	Total/NA	Air	TO-15 SIM	
340-5615-9	369AMB8	Total/NA	Air	TO-15 SIM	
340-5615-10	369AMB3	Total/NA	Air	TO-15 SIM	
340-5615-11	369AMB7	Total/NA	Air	TO-15 SIM	
340-5615-12	369/379 OUT1	Total/NA	Air	TO-15 SIM	
LCS 340-3700/2	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 340-3700/3	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	
MB 340-3700/4	Method Blank	Total/NA	Air	TO-15 SIM	

Analysis Batch: 3710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
340-5615-1	379AMB6	Total/NA	Air	TO-15 SIM	
340-5615-2	DUP-1	Total/NA	Air	TO-15 SIM	
LCS 340-3710/4	Lab Control Sample	Total/NA	Air	TO-15 SIM	
LCSD 340-3710/5	Lab Control Sample Dup	Total/NA	Air	TO-15 SIM	
MB 340-3710/6	Method Blank	Total/NA	Air	TO-15 SIM	

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB6 — Lab Sample ID: 340-5615-1

Date Collected: 01/01/13 08:08 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 18:13	LY	TAL LA
	Instrument ID: MSD							
Total/NA	Analysis	TO-15 SIM		10.1	3710	01/04/13 16:59	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: DUP-1 — Lab Sample ID: 340-5615-2

Date Collected: 01/01/13 08:08 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 19:01	LY	TAL LA
	Instrument ID: MSD							
Total/NA	Analysis	TO-15 SIM		10.1	3710	01/04/13 17:42	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB1 — Lab Sample ID: 340-5615-3

Date Collected: 01/01/13 08:12 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 19:50	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB2 — Lab Sample ID: 340-5615-4

Date Collected: 01/01/13 08:14 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 20:38	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 379AMB4 — Lab Sample ID: 340-5615-5

Date Collected: 01/01/13 08:17 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 21:26	LY	TAL LA
	Instrument ID: MSD							

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 379AMB3 — Lab Sample ID: 340-5615-6

Date Collected: 01/01/13 08:19 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 22:13	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB5 — Lab Sample ID: 340-5615-7

Date Collected: 01/01/13 08:25 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 23:02	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB6 — Lab Sample ID: 340-5615-8

Date Collected: 01/01/13 08:27 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/03/13 23:50	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB8 — Lab Sample ID: 340-5615-9

Date Collected: 01/01/13 08:29 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/04/13 00:38	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB3 — Lab Sample ID: 340-5615-10

Date Collected: 01/01/13 08:32 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/04/13 01:26	LY	TAL LA
	Instrument ID: MSD							

Client Sample ID: 369AMB7 — Lab Sample ID: 340-5615-11

Date Collected: 01/01/13 08:33 — **Matrix: Air**
Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/04/13 02:14	LY	TAL LA
	Instrument ID: MSD							

Lab Chronicle

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Client Sample ID: 369/379 OUT1

Lab Sample ID: 340-5615-12

Date Collected: 01/01/13 08:37

Matrix: Air

Date Received: 01/03/13 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15 SIM		1	3700	01/04/13 03:01	LY	TAL LA
	Instrument ID: MSD							

Laboratory References:

TAL LA = TestAmerica Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626, TEL (714)258-8610

Certification Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Laboratory: TestAmerica Costa Mesa

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

Authority	Program	EPA Region	Certification ID	Expiration Date
Arizona	State Program	9	AZ0727	02-09-13
Florida	NELAP	4	E87652	06-30-13
L-A-B	DoD ELAP		L2273	11-09-13
Louisiana	NELAP	6	01948	06-30-13
New York	NELAP	2	11851	04-01-13
Oregon	NELAP	10	CA200013	07-19-13
Utah	NELAP	8	CA000032012-1	06-30-13

Method Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Method	Method Description	Protocol	Laboratory
TO-15 SIM	Volatile Organic Compounds in Ambient Air, Low Concentration (GC/MS)	EPA-21	TAL LA

Protocol References:

EPA-21 = "Compendium Of Methods For The Determination Of Toxic Organic Compounds In Ambient Air", Second Edition, EPA/625/R-96/010B, January 1999

Laboratory References:

TAL LA = TestAmerica Costa Mesa, 3585 Cadillac Ave, Suite A, Costa Mesa, CA 92626, TEL (714)258-8610

Sample Summary

Client: Geosyntec Consultants, Inc.
Project/Site: MEW - Fairchild

TestAmerica Job ID: 340-5615-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
340-5615-1	379AMB6	Air	01/01/13 08:08	01/03/13 07:30
340-5615-2	DUP-1	Air	01/01/13 08:08	01/03/13 07:30
340-5615-3	379AMB1	Air	01/01/13 08:12	01/03/13 07:30
340-5615-4	379AMB2	Air	01/01/13 08:14	01/03/13 07:30
340-5615-5	379AMB4	Air	01/01/13 08:17	01/03/13 07:30
340-5615-6	379AMB3	Air	01/01/13 08:19	01/03/13 07:30
340-5615-7	369AMB5	Air	01/01/13 08:25	01/03/13 07:30
340-5615-8	369AMB6	Air	01/01/13 08:27	01/03/13 07:30
340-5615-9	369AMB8	Air	01/01/13 08:29	01/03/13 07:30
340-5615-10	369AMB3	Air	01/01/13 08:32	01/03/13 07:30
340-5615-11	369AMB7	Air	01/01/13 08:33	01/03/13 07:30
340-5615-12	369/379 OUT1	Air	01/01/13 08:37	01/03/13 07:30

TestAmerica Los Angeles
3585 Cadillac, Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	**Project Manager: Nancy Bice**	340-5615	1 of 2 COCs
Company: Geosyntec	**Phone: 510-285-2700**	**Samples Collected By: Nate Mullaugh**	
Address: 1111 Broadway Ave, 6th Floor	**Email:** Nmullaugh@Geosyntec.com		
City/State/Zip: Oakland, CA 94607	Nbice@Geosyntec.com		
Phone: 510-285-2700	**Site Contact:** Nate Mullaugh		
FAX:	**LAB Contact:** Beth Riley		
Project Name: MEW	**Analysis Turnaround Time**		
Site: MEW	Standard (Specify) Standard		
PO # WR1133-07-06	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - Modified List*	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
379AMB6	1/1/13	808	1604	-30	-6	08098	34001357	X												
DUP-1	1/1/13	808	1604	-30	-5	08120	34001500	X												
379AMB1	1/1/13	812	1608	-30	-5	08101	34001386	X												
379AMB2	1/1/13	814	1610	-30	-5	08128	34000153	X												
379 AMB4	1/1/13	817	1612	-29	-3	08018	34001301	X												
379 AMB3	1/1/13	819	1615	-30	-4	08131	34000531	X												

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
***TO-15 Modified List : trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2,-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; 1,1-dichloroethane (1,1-DCA); and 1,1-dichloroethene (1,1-DCE).**
****Provide results in ug/m3**

Samples Shipped by: Nate M via Fedex	Date/Time: 1/2/13 @ (007)	Samples Received by:
Samples Relinquished by:	Date/Time: 1/3/13 0730	Received by:
Relinquished by:	Date/Time:	Received by:

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

TestAmerica Los Angeles
3585 Cadillac, Suite A
Costa Mesa, CA 92626
Phone 714-258-8610 Fax 714-258-0921

Canister Samples Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	**Project Manager: Nancy Bice**	340-5615	2 of 2 COCs
Company: Geosyntec	**Phone: 510-285-2700**	**Samples Collected By: Nate Mullaugh**	
Address: 1111 Broadway Ave, 6th Floor	**Email:** Nmullaugh@Geosyntec.com		
City/State/Zip: Oakland, CA 94607	Nbice@Geosyntec.com		
Phone: 510-285-2700	**Site Contact:** Nate Mullaugh		
FAX:	**LAB Contact:** Beth Riley		
Project Name: MEW	**Analysis Turnaround Time**		
Site: MEW	Standard (Specify)		
PO # WR1133-07-06	Rush (Specify)		

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15 - Modified List*	TO-14A	TO-3	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)
369 AMB 5	1/1/13	825	1620	-30	-6	08065	34001664	X												
369 AMB 6	1/1/13	827	1620	-30	-6	08097	34000353	X												
369 AMB 8	1/1/13	829	1624	-30	-5	08133	34000844	X												
369 AMB 3	1/1/13	832	1626	-30	-5	08009	34001271	X												
369 AMB 7	1/1/13	833	1620	-30	-5	08092	34001141	X												
369/379 OUT 1	1/1/13	837	1635	-30	-4	08403	34000829	X												

Temperature (Fahrenheit)	Interior	Ambient	
Start			
Stop			

Pressure (inches of Hg)	Interior	Ambient	
Start			
Stop			

Special Instructions/QC Requirements & Comments:
***TO-15 Modified List : trichloroethene (TCE); tetrachloroethene (PCE); cis-1,2-dichloroethene (cis-1,2,-DCE) and trans-1,2-dichloroethene (trans-1,2-DCE); vinyl chloride; 1,1-dichloroethane (1,1-DCA); and 1,1-dichloroethene (1,1-DCE).**
****Provide results in ug/m3**

Samples Shipped by: via Fedex	Date/Time: 1/2/13 @ 1000	Samples Received by:	
Samples Relinquished by:	Date/Time: 1/3/13 0730	Received by:	
Relinquished by:	Date/Time:	Received by:	

Lab Use Only **Shipper Name:** **Opened by:** **Condition:**

Login Sample Receipt Checklist

Client: Geosyntec Consultants, Inc.

Job Number: 340-5615-1

Login Number: 5615

List Source: TestAmerica Costa Mesa

List Number: 1

Creator: Gonzales, Steve

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.		
The cooler's custody seal, if present, is intact.		
Sample custody seals, if present, are intact.		
The cooler or samples do not appear to have been compromised or tampered with.		
Samples were received on ice.		
Cooler Temperature is acceptable.		
Cooler Temperature is recorded.		
COC is present.		
COC is filled out in ink and legible.		
COC is filled out with all pertinent information.		
Is the Field Sampler's name present on COC?		
There are no discrepancies between the containers received and the COC.		
Samples are received within Holding Time.		
Sample containers have legible labels.		
Containers are not broken or leaking.		
Sample collection date/times are provided.		
Appropriate sample containers are used.		
Sample bottles are completely filled.		
Sample Preservation Verified.		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").		
Multiphasic samples are not present.		
Samples do not require splitting or compositing.		
Residual Chlorine Checked.		

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001357
DATE CLEANED: 340-55286
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 080098
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.80	01/03/13	cy
.FINAL PRESSURE (PSIA)	21.45	01/03/13	y

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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2

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001500
DATE CLEANED: 340-5508
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08120
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.29	01/03/13	
FINAL PRESSURE (PSIA)	23.58	01/03/13	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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3

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 340013866
DATE CLEANED: 340-5527
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08101
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.00	010313	
FINAL PRESSURE (PSIA)	23.55	010313	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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4

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000153
DATE CLEANED: 340-5505
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08128
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.55	01/03/13	
.FINAL PRESSURE (PSIA)	23.40	01/03/13	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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5

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001301
DATE CLEANED: 340-5510
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08018
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.11	010313	
FINAL PRESSURE (PSIA)	23.58	010313	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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6

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 340020531
DATE CLEANED: 340-5506
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08131
Duration of comp. : 8 (Hrs.) / mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	13.84	01/03/13	Cy
FINAL PRESSURE (PSIA)	24.35	01/03/13	y

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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7

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 3400164A
DATE CLEANED: 340-5511
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08 065
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.34	01/03/13	
FINAL PRESSURE (PSIA)	22.60	01/03/13	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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8

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000353
DATE CLEANED: 340-5531
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08 097
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	11.79	010313	
FINAL PRESSURE (PSIA)	22.72	010313	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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9

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000844
DATE CLEANED: 340-~~15005~~5507 8/12/2012
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08133
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.65	010312	
FINAL PRESSURE (PSIA)	23.12	010312	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001271
DATE CLEANED: 340-5522
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08009
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.69	010313	g
FINAL PRESSURE (PSIA)	23.46	010313	g

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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11

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34001141
DATE CLEANED: 340-5509
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08092
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg / PSIA (circle unit used))	12.40	01/03/13	
FINAL PRESSURE (PSIA)	23.54	01/03/13	

Pressurization Gas: N_2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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12

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CANISTER FIELD DATA RECORD

CLIENT: Geosyntec
CANISTER SERIAL #: 34000829
DATE CLEANED: 340-5526
CLIENT SAMPLE #:
SITE LOCATION:

VFR ID: 08403
Duration of comp. : 8 (Hrs.)/ mins.
Flow setting: 9.9-10.4 ml/min
Initials:

READING	TIME	Vac. (Inches Hg) Or PRESS. (psig)	DATE	INITIALS
INITIAL VACUUM CHECK		30"	12/28/12	
INITIAL FIELD VACUUM				
FINAL FIELD READING				

LABORATORY CANISTER PRESSURIZATION			
INITIAL VACUUM (Inches Hg/ PSIA (circle unit used))	13.20	01/03/13	
FINAL PRESSURE (PSIA)	24.57	01/03/13	

Pressurization Gas: N2

COMMENTS:

COMPOSITE TIME (HOURS)	FLOW RATE RANGE (ml/min)
15 Min.	316 – 333
30 Min.	158 – 166.7
1	79.2 – 83.3
2	39.6 – 41.7
4	19.8 – 20.8
6	13.2 – 13.9
8	9.9 – 10.4
10	7.92 – 8.3
12	6.6 – 6.9
24	3.5 – 4.0

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch: A121912E 340-5505

Date of QC: 12-21-12

Data File Number: W31221X (MSC)

CANISTER ID NUMBERS

*34000153	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: _____ Date: 12-26-12

N:\CON\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5506

Date of QC 12-21-12

Data File Number W312219(MSC)

CANISTER ID NUMBERS

*31000531

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: _____ Date: 12-26-12

N:\COI\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5507

Date of QC 12-21-12

Data File Number MW121221B(MSC)

CANISTER ID NUMBERS

*340008844

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12-26-12 Date:

N:\CO\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5508

Date of QC 12-21-12

Data File Number MW121221C (MSD)

CANISTER ID NUMBERS

*34001500

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12-26-12 Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5509

Date of QC 12-21-12

Data File Number WB1221C (WSD)

CANISTER ID NUMBERS

*3400 1141

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: _____ Date: 12-26-12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5510

Date of QC 12-21-12

Data File Number LWB122120(MSD)

CANISTER ID NUMBERS

*340013301

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By:

12-26-12
Date:

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch A121912E 340-5511

Date of QC 12-21-12

Data File Number W31221E(MSD)

CANISTER ID NUMBERS

*34001664	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: _____ Date: 12-26-12

N:\CO\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B122112A 340-5522

Date of QC 12-27-12

Data File Number VW12265(MSD)

CANISTER ID NUMBERS

*34001271	Flow Controller # 08018
	08101
	08131

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature]

Date: 12-27-12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MEW

Date Cleaned/Batch B122112A 340-5526

Date of QC 122812

Data File Number MB12285A.D

CANISTER ID NUMBERS

*34000829	flow Controller # 08009
	08132
	08110

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: [signature] Date: 122812

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MSW

Date Cleaned/Batch B122112A 340-5527

Date of QC 12-27-12

Data File Number WB122266 (MSD)

CANISTER ID NUMBERS

*34001386

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12-27-12 Date:

N:\CO\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM MCU

Date Cleaned/Batch B122112A 340-5528

Date of QC 12 28 12

Data File Number MB1228.D

CANISTER ID NUMBERS

*34001357	flow Controller# 08097
	08098
	08095

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By:

Date: 12 28 12

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CANISTER QC CERTIFICATION

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Certification Type: TO-15 SIM - MeW

Date Cleaned/Batch B122112A 340-5531

Date of QC 122812

Data File Number MB12282.0 (SIM-MSD)

CANISTER ID NUMBERS

*34000353	

The above canisters were cleaned as a batch. This certifies this batch contains no target analyte concentration greater than or equal to the method criteria for the "*Certification Type*" indicated above.

"*" INDICATES THE CAN OR CANS WHICH WERE SCREENED.

Reviewed By: 12 28 12

Date:

N:\CO\DOCS\TestAmerica DOCs\Can QC Cert 20070712.doc

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5505-1

SDG No.:

Client Sample ID: 34000153 | Lab Sample ID: 340-5505-1

Matrix: Air | Lab File ID: MB12218.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 980(mL) | Date Analyzed: 12/21/2012 19:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12218.D		
Lims ID:	340-5505-A-1	Client ID:	34000153
Inject. Date:	21-Dec-2012 19:06:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5505-a-1		
Misc. Info.:	340-0002492-013		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	10
Lims Batch ID:	3619	Lims Sample ID:	13
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 11:38:30	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 11:38:30

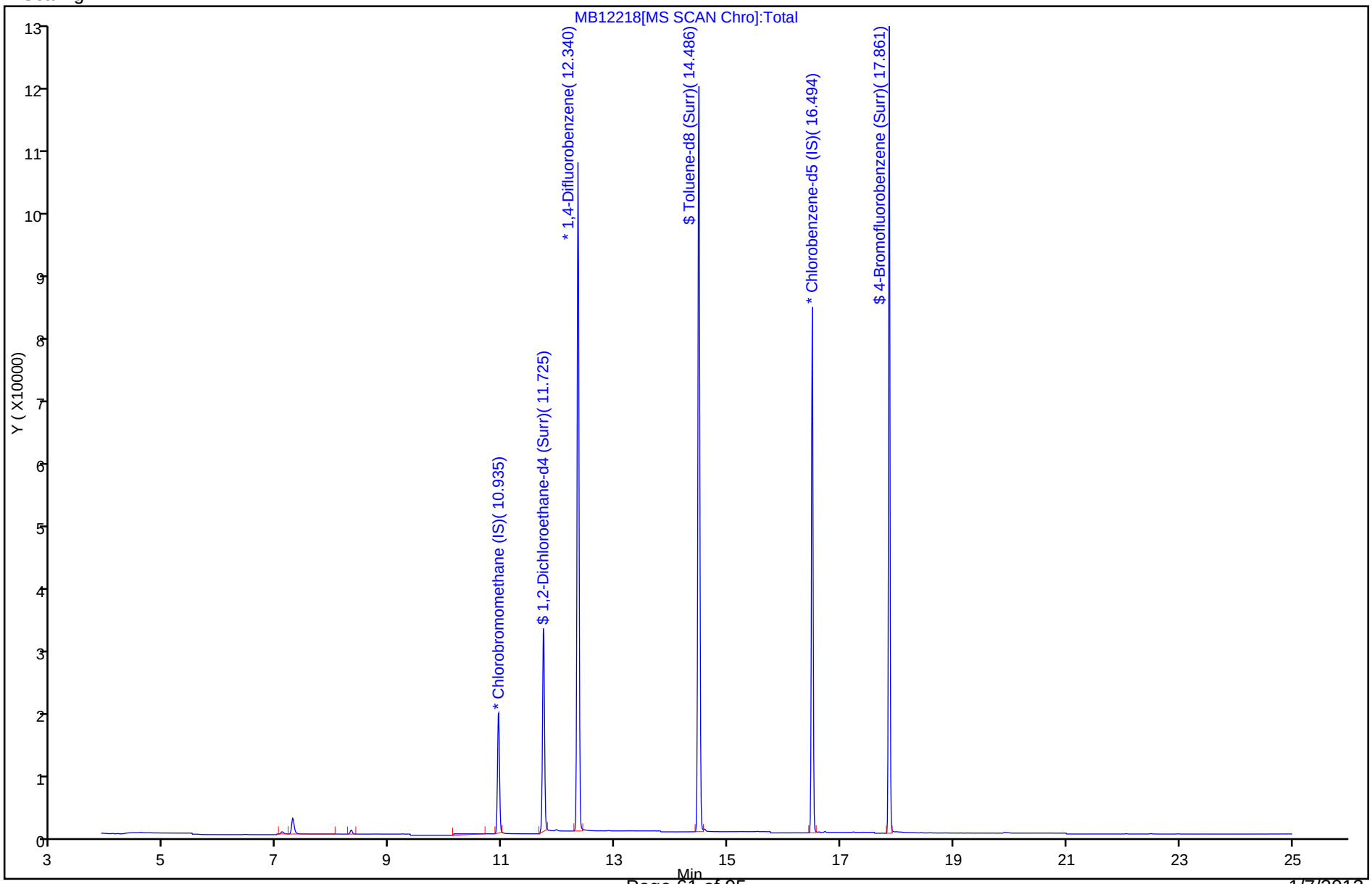
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	46239	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.725	11.725	0.0	100	67110	1.89	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	161897	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	139610	1.97	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	148693	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	98	107507	1.99	

Report Date: 26-Dec-2012 11:38:30 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12218.D		
Injection Date:	21-Dec-2012 19:06:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000153	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	13
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5506-1

SDG No.:

Client Sample ID: 34000531 | Lab Sample ID: 340-5506-1

Matrix: Air | Lab File ID: MB12219.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 19:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12219.D		
Lims ID:	340-5506-A-1	Client ID:	34000531
Inject. Date:	21-Dec-2012 19:49:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5506-a-1		
Misc. Info.:	340-0002492-014		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	11
Lims Batch ID:	3619	Lims Sample ID:	14
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 11:39:08	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 11:39:08

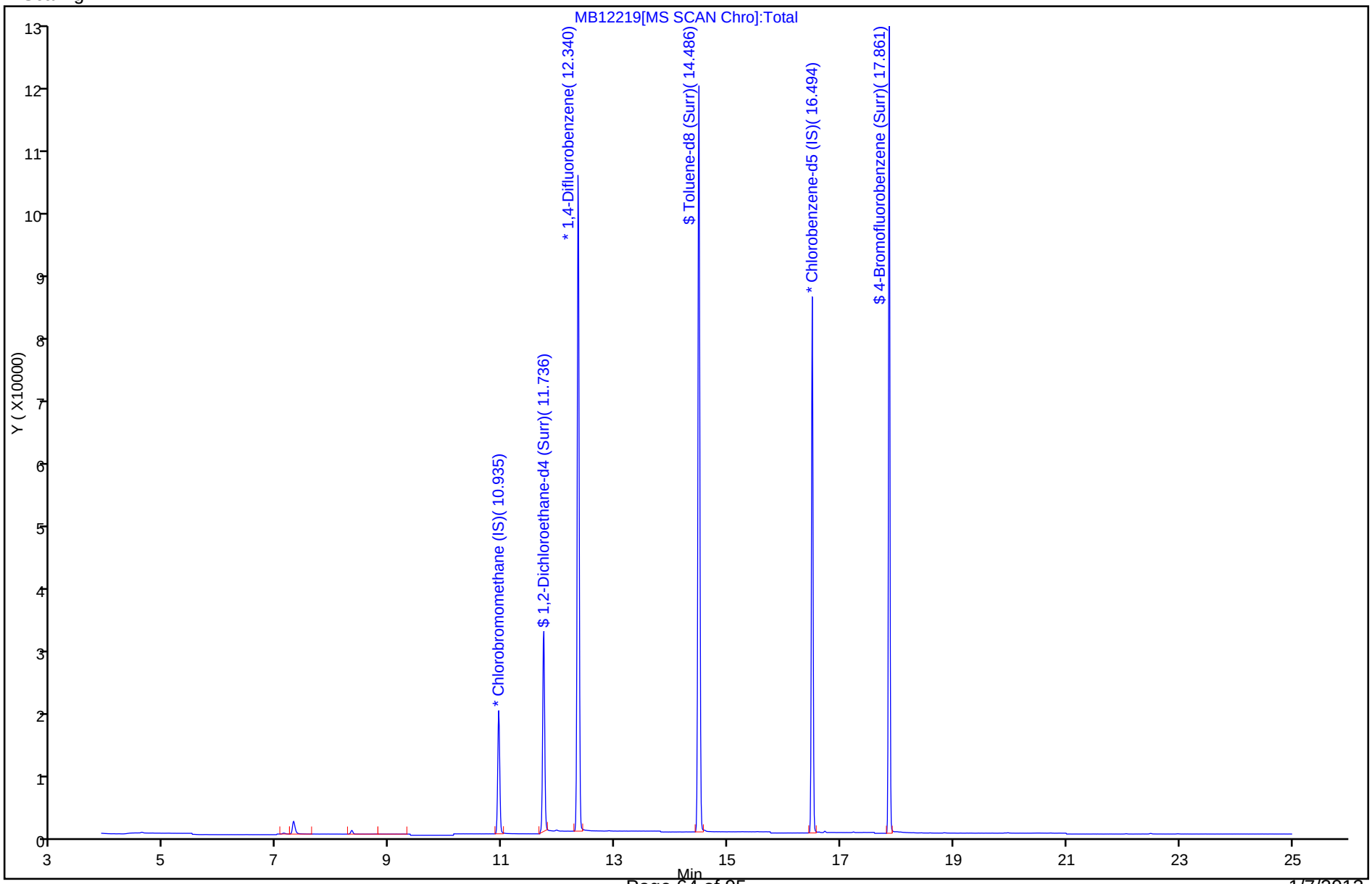
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	47673	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	69193	1.89	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	165183	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	142798	1.97	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	154583	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	98	111588	1.99	

Report Date: 26-Dec-2012 11:39:08 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB12219.D		
Injection Date:	21-Dec-2012 19:49:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000531	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	14
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5507-1

SDG No.:

Client Sample ID: 34000844 | Lab Sample ID: 340-5507-1

Matrix: Air | Lab File ID: MB1221A.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 20:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221A.D		
Lims ID:	340-5507-A-1	Client ID:	34000844
Inject. Date:	21-Dec-2012 20:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5507-a-1		
Misc. Info.:	340-0002492-015		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	12
Lims Batch ID:	3619	Lims Sample ID:	15
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 11:39:53	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 11:39:53

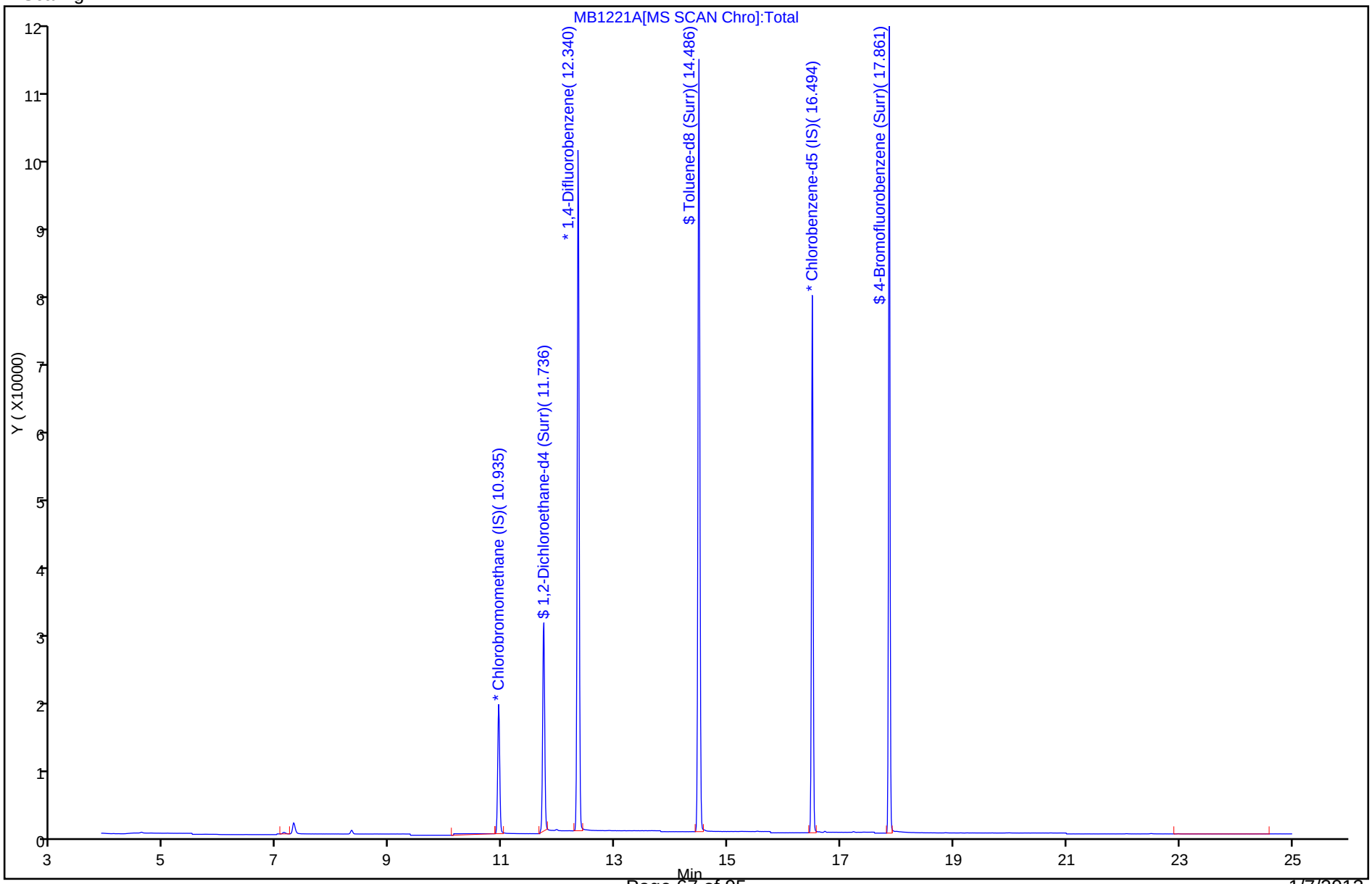
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	45795	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	66455	1.89	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	157007	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	134721	1.96	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	143977	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	97	102806	1.97	

Report Date: 26-Dec-2012 11:39:53 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221A.D		
Injection Date:	21-Dec-2012 20:33:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000844	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	15
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5508-1

SDG No.:

Client Sample ID: 34001500 | Lab Sample ID: 340-5508-1

Matrix: Air | Lab File ID: MB1221B.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 21:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221B.D		
Lims ID:	340-5508-A-1	Client ID:	34001500
Inject. Date:	21-Dec-2012 21:16:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5508-a-1		
Misc. Info.:	340-0002492-016		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	13
Lims Batch ID:	3619	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 13:32:00	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 13:32:00

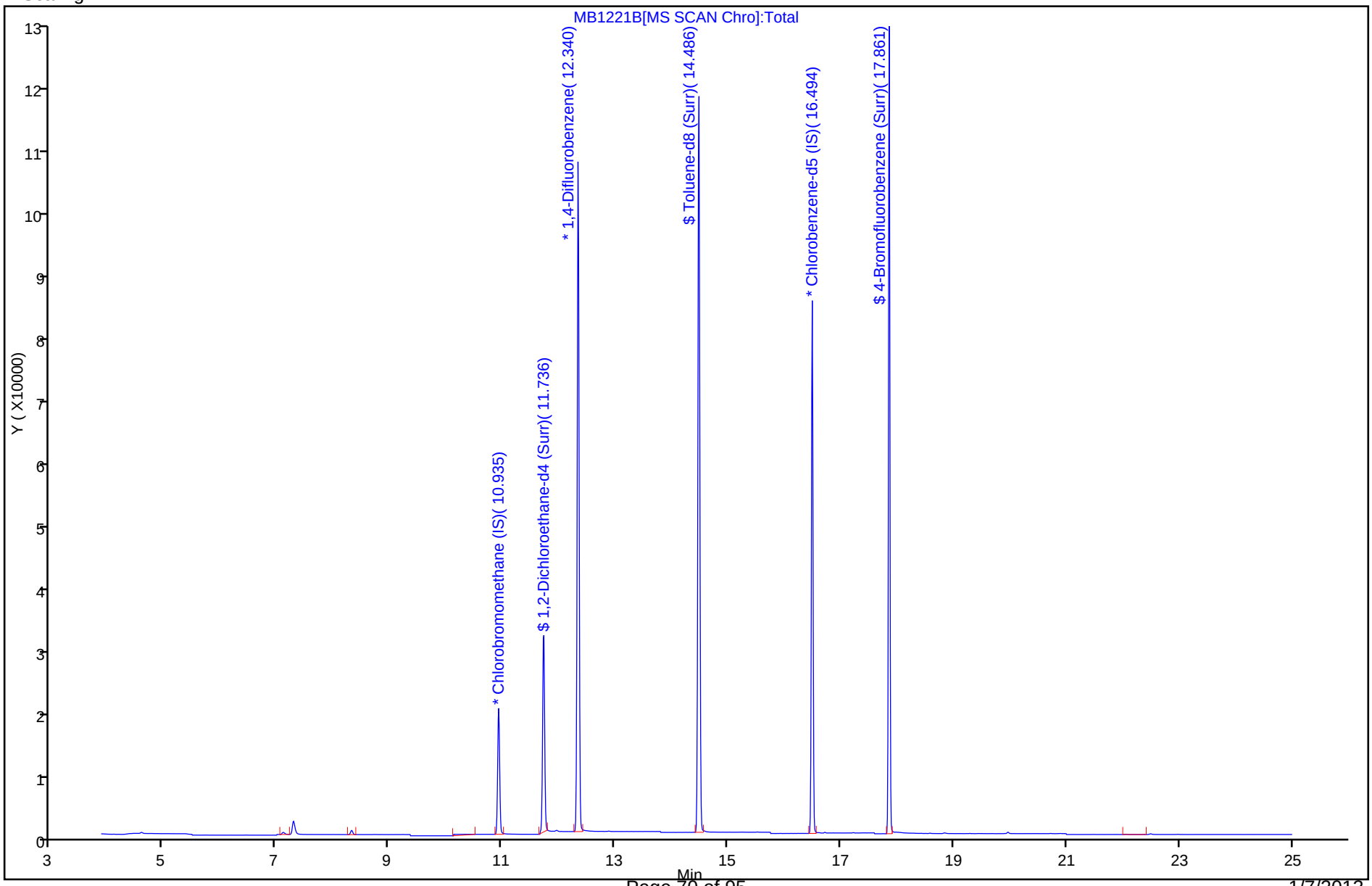
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	47126	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	67317	1.86	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	160806	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	138407	1.96	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	150149	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.852	17.852	0.0	98	109762	2.02	

Report Date: 26-Dec-2012 13:32:01 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221B.D		
Injection Date:	21-Dec-2012 21:16:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001500	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	16
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5509-1

SDG No.:

Client Sample ID: 34001141 | Lab Sample ID: 340-5509-1

Matrix: Air | Lab File ID: MB1221C.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 22:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	96		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221C.D		
Lims ID:	340-5509-A-1	Client ID:	34001141
Inject. Date:	21-Dec-2012 22:00:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5509-a-1		
Misc. Info.:	340-0002492-017		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	14
Lims Batch ID:	3619	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 13:32:46	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 13:32:46

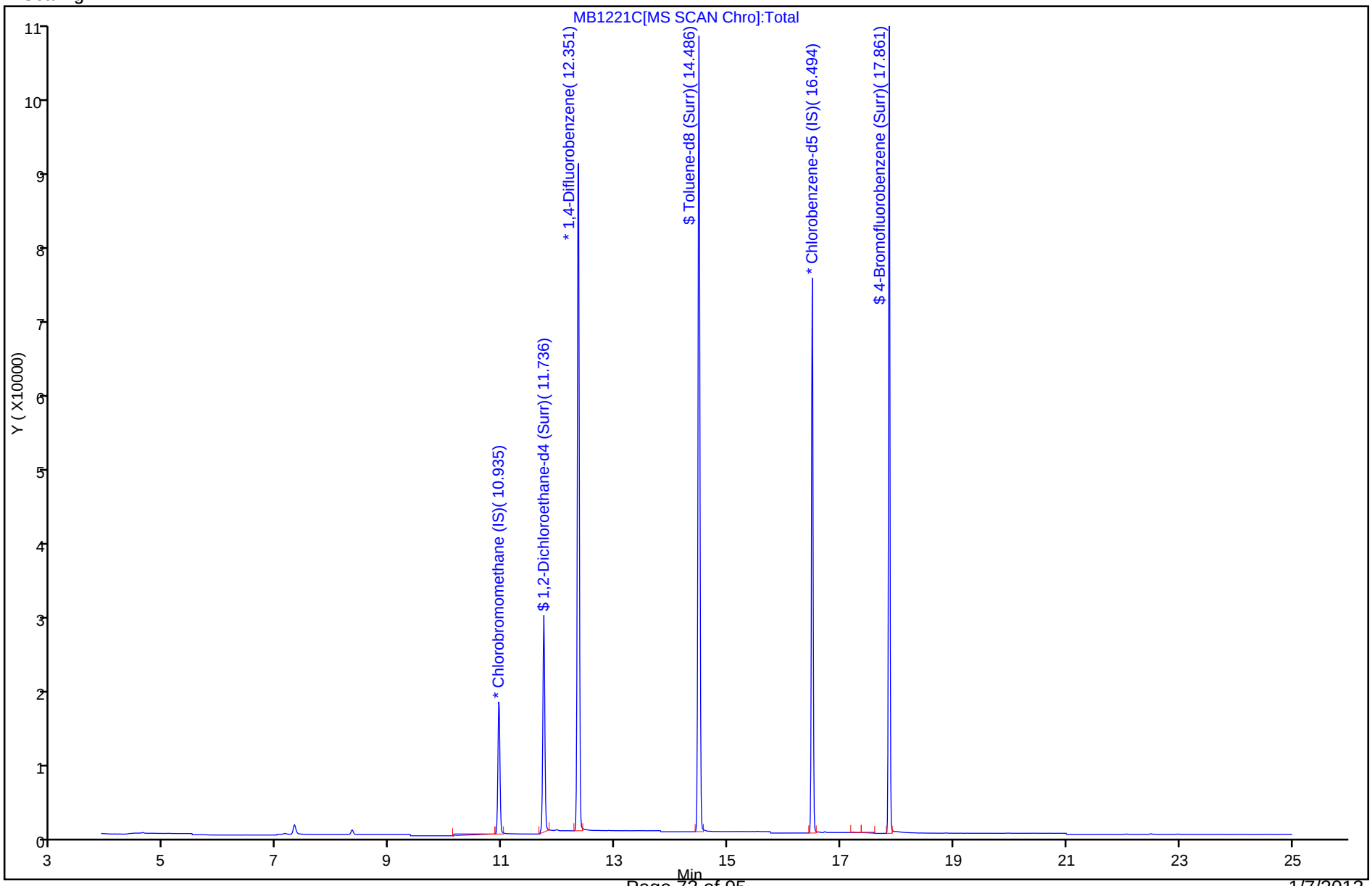
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	42145	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	58811	1.82	
* 21 1,4-Difluorobenzene	114	12.351	12.340	0.011	100	140196	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	121020	1.97	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	131062	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	98	91371	1.92	

Report Date: 26-Dec-2012 13:32:46 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221C.D		
Injection Date:	21-Dec-2012 22:00:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001141	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	17
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5510-1

SDG No.:

Client Sample ID: 34001301 | Lab Sample ID: 340-5510-1

Matrix: Air | Lab File ID: MB1221D.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 22:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	95		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221D.D		
Lims ID:	340-5510-A-1	Client ID:	34001301
Inject. Date:	21-Dec-2012 22:44:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5510-a-1		
Misc. Info.:	340-0002492-018		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	15
Lims Batch ID:	3619	Lims Sample ID:	18
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 13:33:25	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 13:33:25

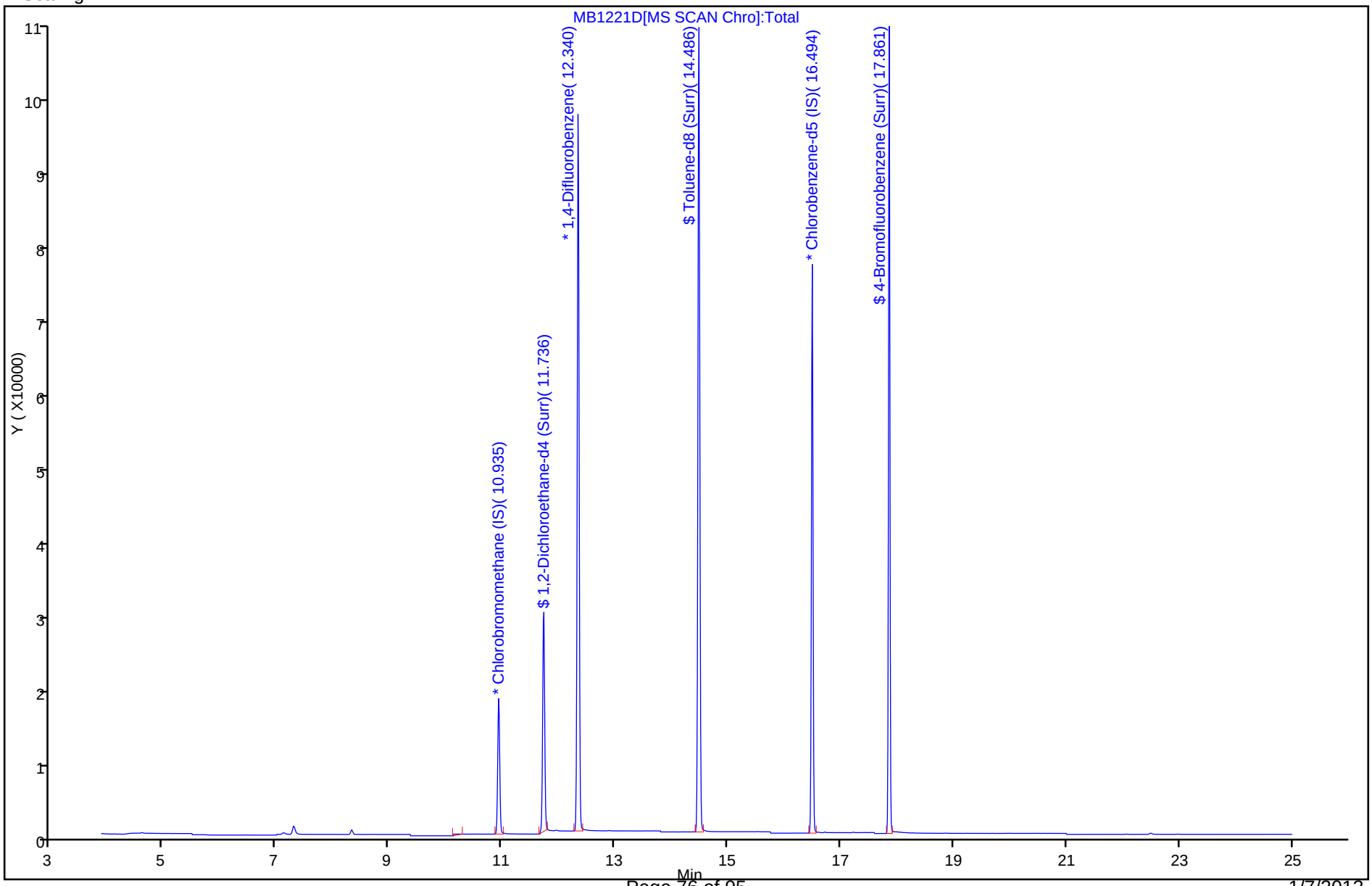
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	44554	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	64573	1.89	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	152223	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	131536	1.97	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	138234	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.852	0.009	98	95683	1.91	

Report Date: 26-Dec-2012 13:33:25 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221D.D		
Injection Date:	21-Dec-2012 22:44:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001301	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	18
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5511-1

SDG No.:

Client Sample ID: 34001664 | Lab Sample ID: 340-5511-1

Matrix: Air | Lab File ID: MB1221E.D

Analysis Method: TO-15 SIM | Date Collected: 12/19/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/21/2012 23:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3619 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221E.D		
Lims ID:	340-5511-A-1	Client ID:	34001664
Inject. Date:	21-Dec-2012 23:27:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5511-a-1		
Misc. Info.:	340-0002492-019		
Operator:	LY	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	16
Lims Batch ID:	3619	Lims Sample ID:	19
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121221-2492.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	26-Dec-2012 13:34:04	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK012		

First Level Reviewer: kammererd Date: 26-Dec-2012 13:34:04

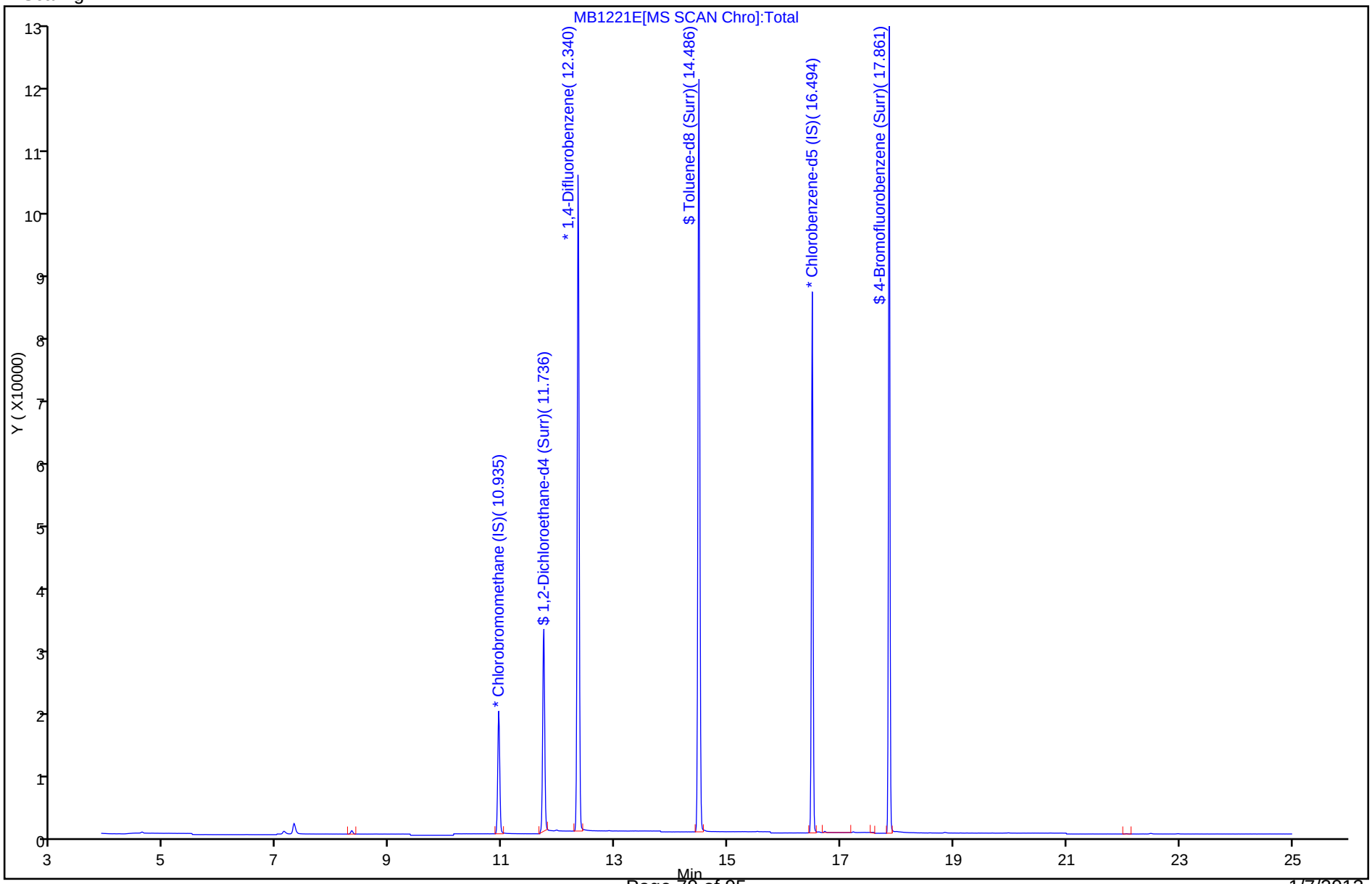
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.927	0.008	100	46229	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	67536	1.90	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	159881	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.476	0.010	100	139236	1.98	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	150499	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.852	17.852	0.0	98	109555	2.01	

Report Date: 26-Dec-2012 13:34:04 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121221-2492.b\MB1221E.D		
Injection Date:	21-Dec-2012 23:27:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001664	Instrument ID:	MSD
Lims Batch ID:	3619	Lims Sample ID:	19
Operator ID:	LY	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5522-1

SDG No.:

Client Sample ID: 34001271 | Lab Sample ID: 340-5522-1

Matrix: Air | Lab File ID: MB12265.D

Analysis Method: TO-15 SIM | Date Collected: 12/21/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/27/2012 05:33

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3637 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121226-2504.b\MB12265.D		
Lims ID:	340-5522-A-1	Client ID:	34001271
Inject. Date:	27-Dec-2012 05:33:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5522-A-1		
Misc. Info.:	340-0002504-029		
Operator:	DLK	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	12
Lims Batch ID:	3637	Lims Sample ID:	29
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121226-2504.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	27-Dec-2012 08:59:27	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: kammererd Date: 27-Dec-2012 08:59:27

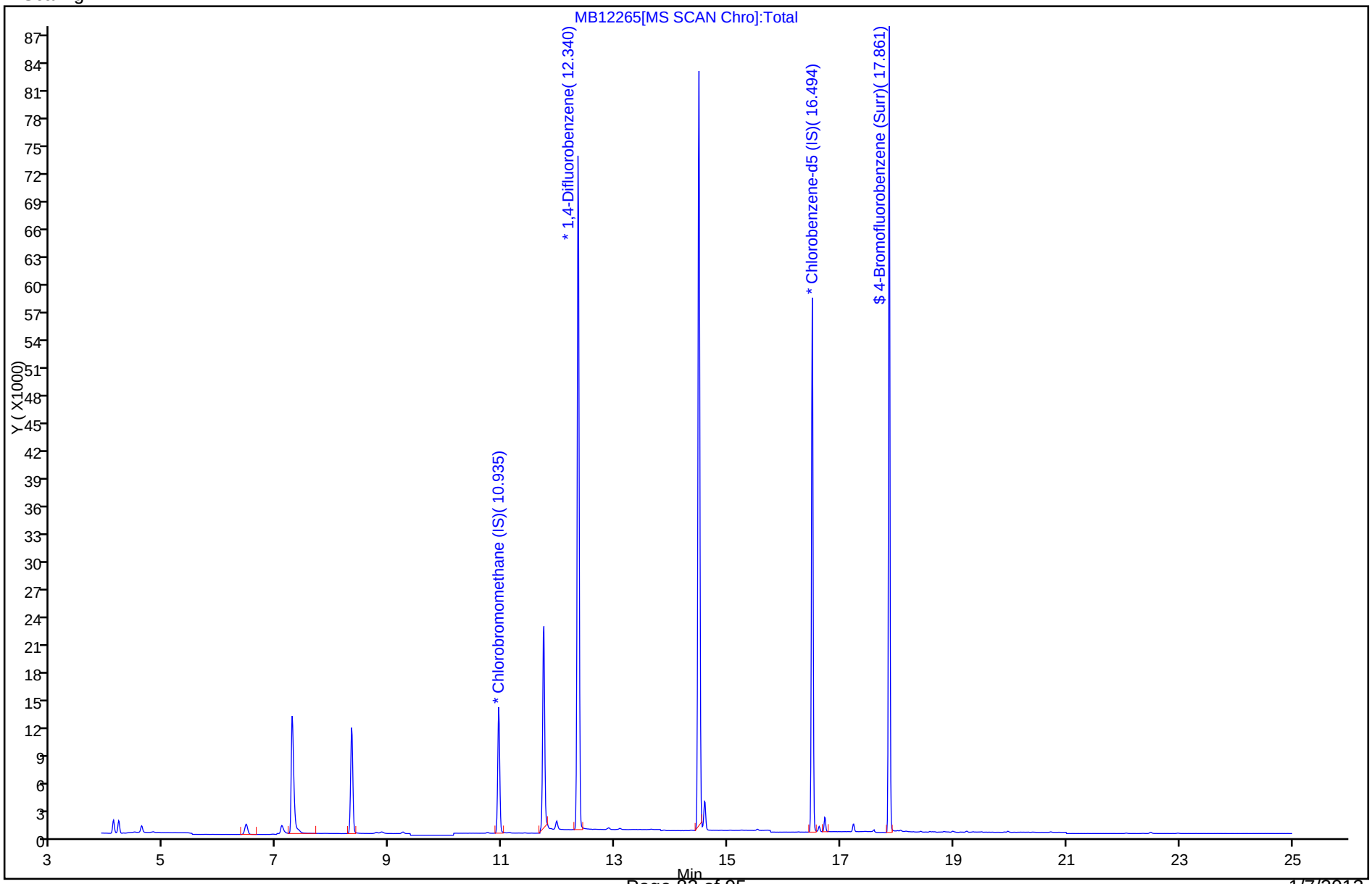
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	33903	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	49843	1.91	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	119383	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	101538	1.94	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	109953	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	96	77979	1.96	

Report Date: 27-Dec-2012 08:59:27 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121226-2504.b\MB12265.D		
Injection Date:	27-Dec-2012 05:33:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001271	Instrument ID:	MSD
Lims Batch ID:	3637	Lims Sample ID:	29
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5526-1

SDG No.:

Client Sample ID: 34000829 | Lab Sample ID: 340-5526-1

Matrix: Air | Lab File ID: MB12285A.D

Analysis Method: TO-15 SIM | Date Collected: 12/21/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/28/2012 13:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3658 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-130
2037-26-5	Toluene-d8 (Surr)	99		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12285A.D		
Lims ID:	340-5526-A-1	Client ID:	34000829
Inject. Date:	28-Dec-2012 13:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5526-A-1		
Misc. Info.:	340-0002517-008		
Operator:	DLK	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	12
Lims Batch ID:	3658	Lims Sample ID:	8
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121227-2517.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	28-Dec-2012 15:09:46	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK034		

First Level Reviewer: yabutl Date: 28-Dec-2012 14:29:28

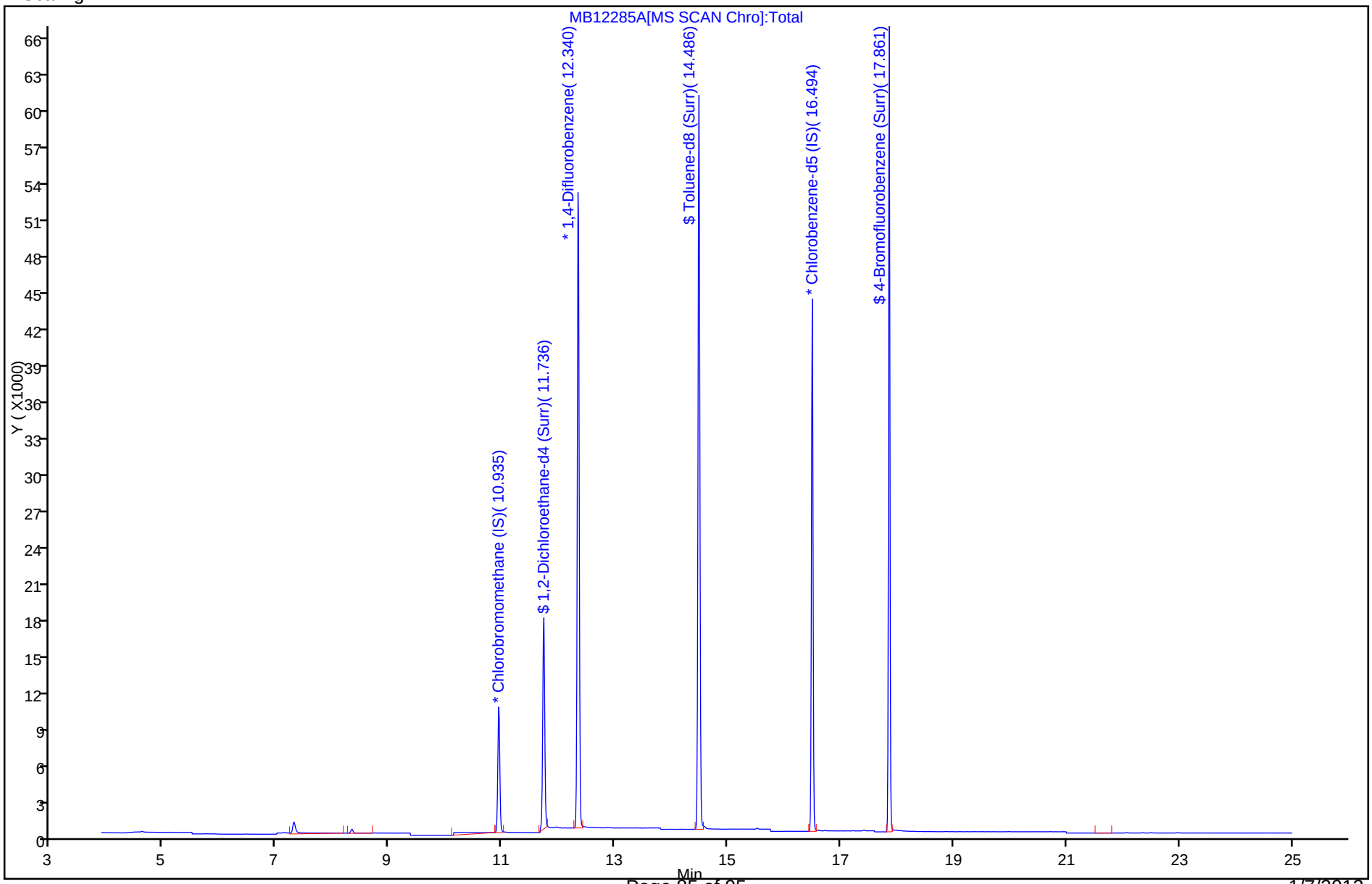
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	25856	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	38745	1.95	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	85369	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	73928	1.97	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	81992	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	58897	1.98	

Report Date: 28-Dec-2012 14:29:29 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12285A.D		
Injection Date:	28-Dec-2012 13:37:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000829	Instrument ID:	MSD
Lims Batch ID:	3658	Lims Sample ID:	8
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5527-1

SDG No.:

Client Sample ID: 34001386 | Lab Sample ID: 340-5527-1

Matrix: Air | Lab File ID: MB12266.D

Analysis Method: TO-15 SIM | Date Collected: 12/21/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/27/2012 06:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3637 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	98		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121226-2504.b\MB12266.D		
Lims ID:	340-5527-A-1	Client ID:	34001386
Inject. Date:	27-Dec-2012 06:16:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5527-A-1		
Misc. Info.:	340-0002504-030		
Operator:	DLK	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	13
Lims Batch ID:	3637	Lims Sample ID:	30
Detector:	MS SCAN		
Method:	\\Lachrom\ChromData\MSD\20121226-2504.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	27-Dec-2012 09:00:14	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK030		

First Level Reviewer: kammererd Date: 27-Dec-2012 09:00:14

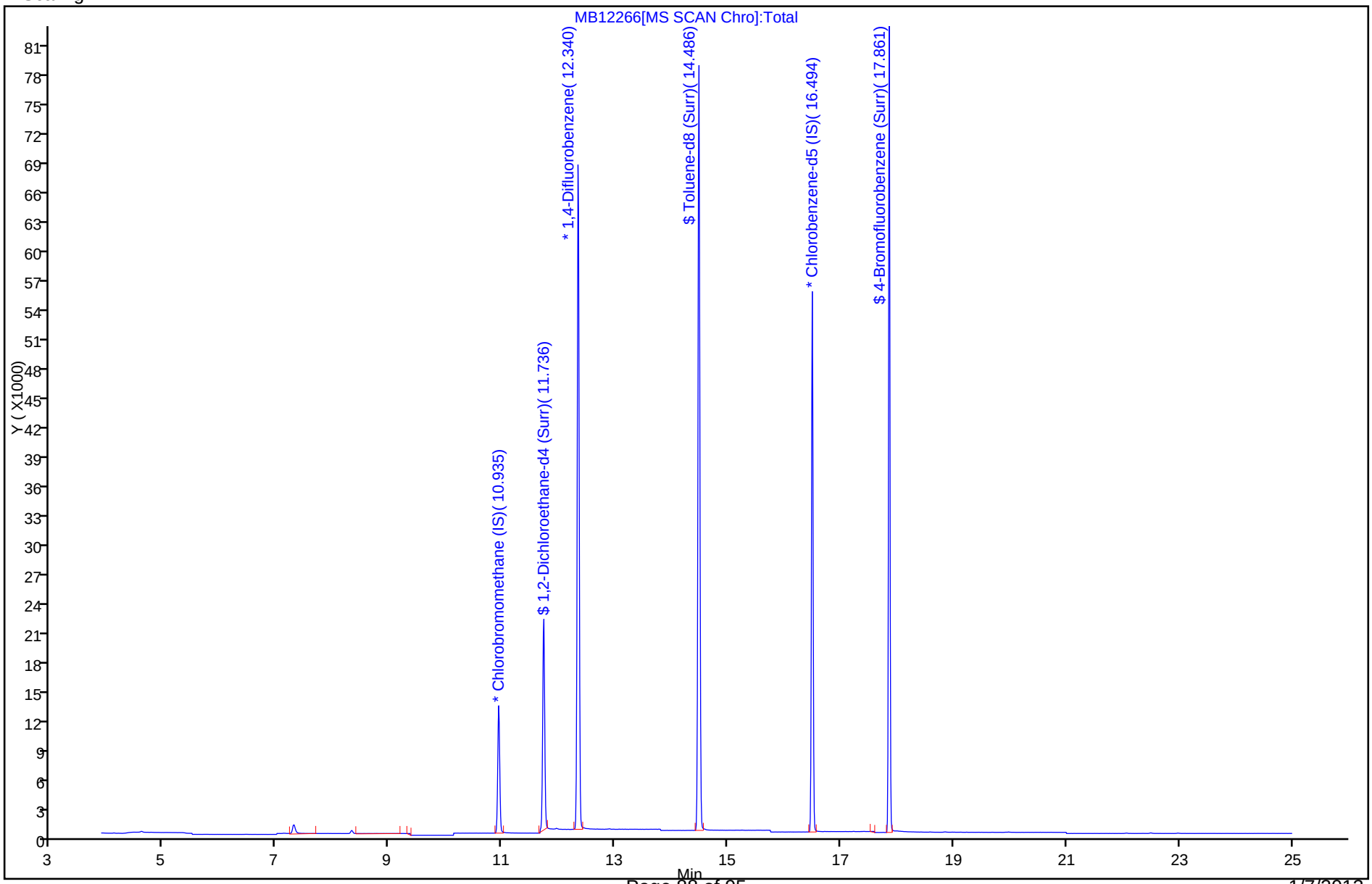
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	32439	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	48100	1.93	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	113000	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	97281	1.96	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	104894	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	98	74235	1.95	

Report Date: 27-Dec-2012 09:00:14 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121226-2504.b\MB12266.D		
Injection Date:	27-Dec-2012 06:16:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001386	Instrument ID:	MSD
Lims Batch ID:	3637	Lims Sample ID:	30
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5528-1

SDG No.:

Client Sample ID: 34001357 | Lab Sample ID: 340-5528-1

Matrix: Air | Lab File ID: MB12285.D

Analysis Method: TO-15 SIM | Date Collected: 12/21/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/28/2012 12:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3658 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	99		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		70-130
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12285.D		
Lims ID:	340-5528-A-1	Client ID:	34001357
Inject. Date:	28-Dec-2012 12:54:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5528-A-1		
Misc. Info.:	340-0002517-007		
Operator:	DLK	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	12
Lims Batch ID:	3658	Lims Sample ID:	7
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121227-2517.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	30-Dec-2012 11:55:09	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK002		

First Level Reviewer: yabutl Date: 07-Jan-2013 14:10:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	27469	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	40871	1.94	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	91915	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	78136	1.94	
31 Tetrachloroethene	166	15.514	15.524	-0.010	91	78	0.003326	7M
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	86477	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	97	62131	1.98	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

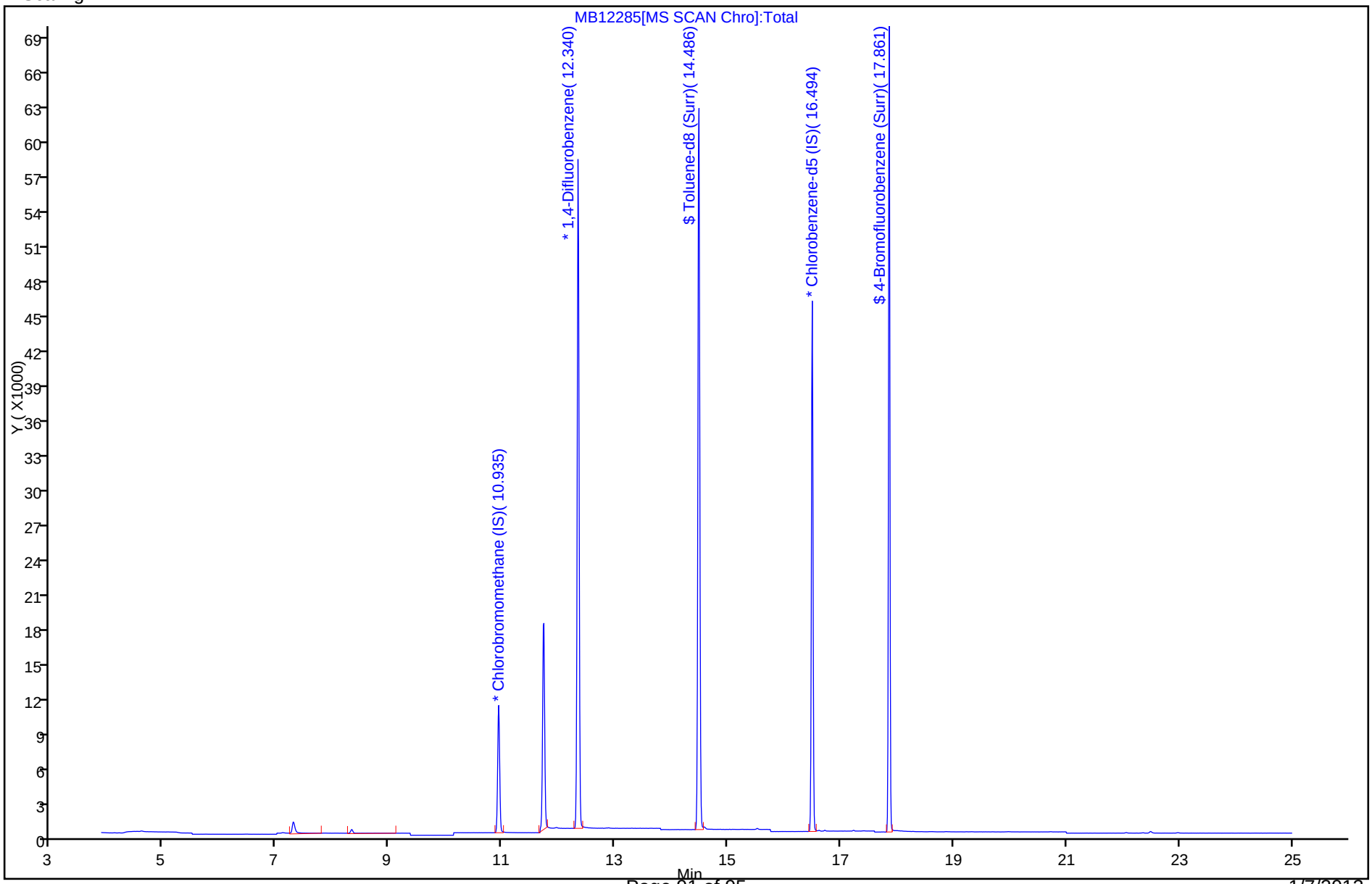
Review Flags
M - Manually Integrated

Report Date: 07-Jan-2013 14:11:57 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12285.D		
Injection Date:	28-Dec-2012 12:54:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001357	Instrument ID:	MSD
Lims Batch ID:	3658	Lims Sample ID:	7
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



Manual Integration/User Assign Peak Report

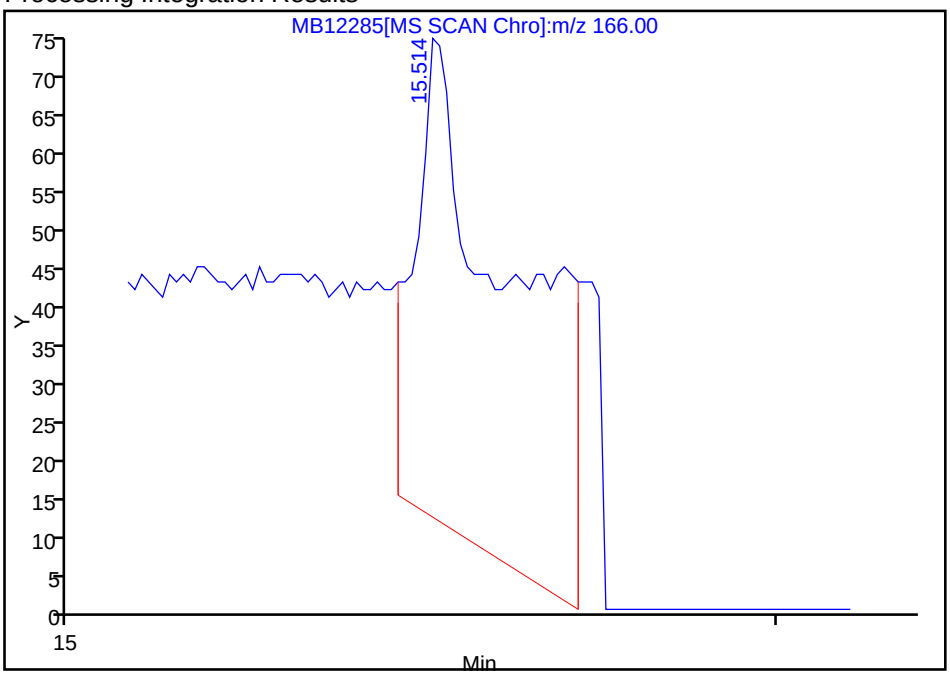
TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12285.D		
Injection Date:	28-Dec-2012 12:54:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34001357	Instrument ID:	MSD
Lims Batch ID:	3658	Lims Sample ID:	7
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

31 Tetrachloroethene, Signal: 1, m/z: 166.0 Type: quant, RT: 15.52

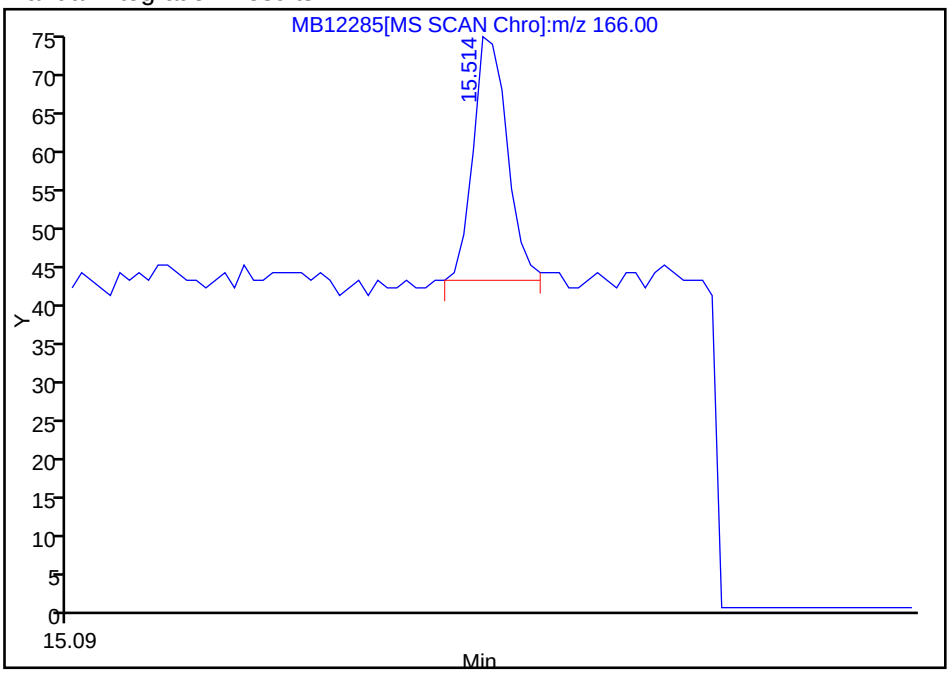
Processing Integration Results

RT: 15.51
Response: 644
Amount: 0.027459



Manual Integration Results

RT: 15.51
Response: 78
Amount: 0.003326



Reviewer: yabutl, 28-Dec-2012 13:29:34
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Costa Mesa | Job No.: 340-5531-1

SDG No.:

Client Sample ID: 34000353 | Lab Sample ID: 340-5531-1

Matrix: Air | Lab File ID: MB12282.D

Analysis Method: TO-15 SIM | Date Collected: 12/21/2012 00:00

Sample wt/vol: 500(mL) | Date Analyzed: 12/28/2012 11:13

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: See SOP ID:

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 3658 | Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-34-3	1,1-Dichloroethane	ND		0.020	0.0050
75-35-4	1,1-Dichloroethene	ND		0.020	0.0080
156-59-2	cis-1,2-Dichloroethene	ND		0.020	0.0080
156-60-5	trans-1,2-Dichloroethene	ND		0.020	0.0080
127-18-4	Tetrachloroethene	ND		0.020	0.0080
79-01-6	Trichloroethene	ND		0.020	0.0050
75-01-4	Vinyl chloride	ND		0.020	0.0050

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		70-130
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-130
2037-26-5	Toluene-d8 (Surr)	96		70-130

TestAmerica Costa Mesa
Target Compound Quantitation Report

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12282.D		
Lims ID:	340-5531-A-1	Client ID:	34000353
Inject. Date:	28-Dec-2012 11:13:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	340-5531-A-1		
Misc. Info.:	340-0002517-005		
Operator:	DLK	Instrument ID:	MSD
Purge Vol:	500.000 mL	ALS Bottle#:	9
Lims Batch ID:	3658	Lims Sample ID:	5
Detector:	MS SCAN		

Method:	\\Lachrom\ChromData\MSD\20121227-2517.b\TO15_MSD.m		
Method Label:	TO-15 SIM		
Last Update:	28-Dec-2012 15:09:46	Calib Date:	09-Dec-2012 16:10:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Lachrom\ChromData\MSD\20121209-2400.b\IC1209A.D		
Limit Group:	TO-15_SIM_ICAL		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm
Process Host:	XAWRK034		

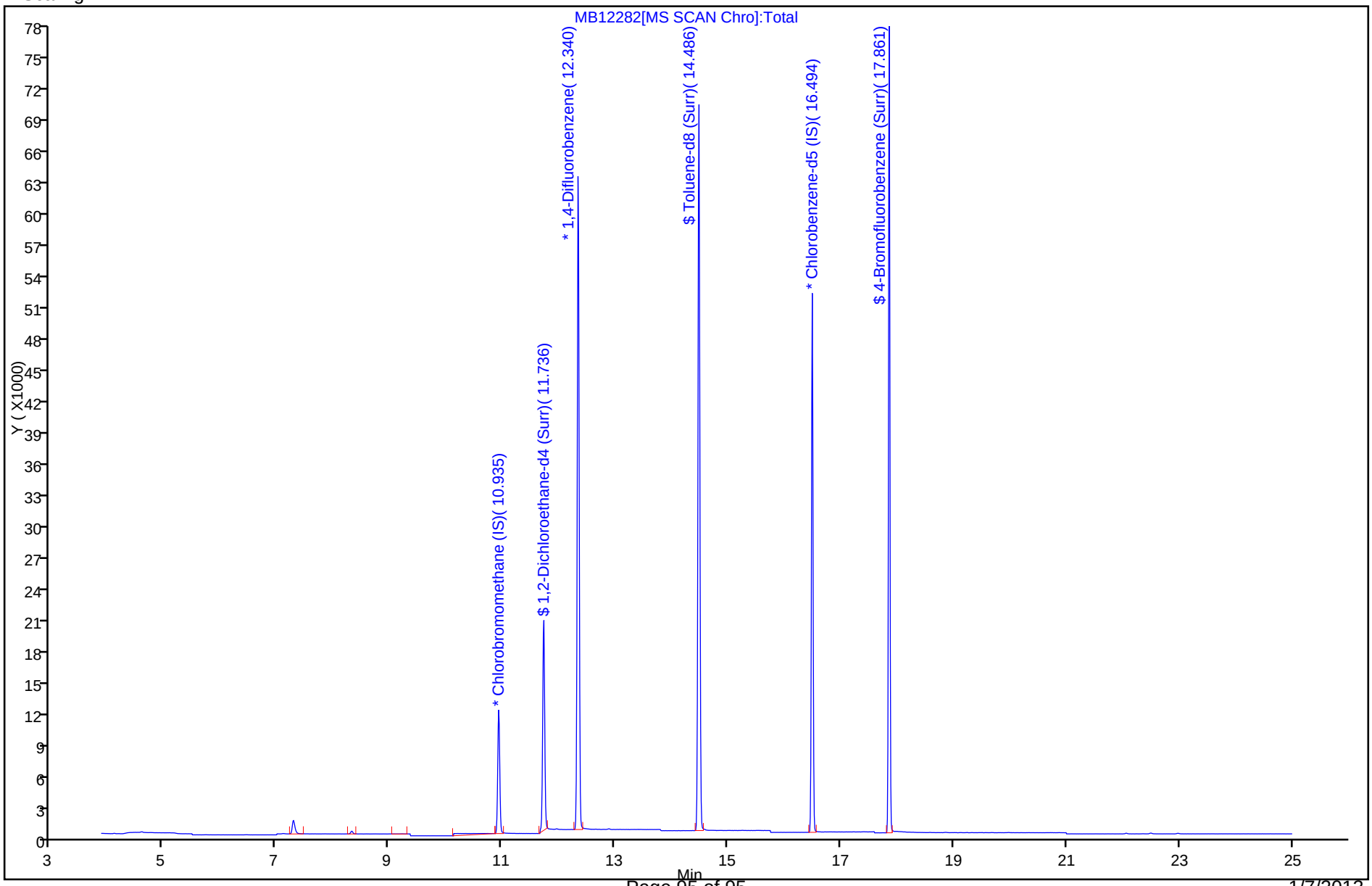
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ppb v/v	Flags
* 15 Chlorobromomethane (IS)	130	10.935	10.935	0.0	100	29829	2.00	
$ 17 1,2-Dichloroethane-d4 (Surr)	65	11.736	11.725	0.011	100	44875	1.96	
* 21 1,4-Difluorobenzene	114	12.340	12.340	0.0	100	102539	2.00	
$ 27 Toluene-d8 (Surr)	98	14.486	14.486	0.0	100	86270	1.92	
* 34 Chlorobenzene-d5 (IS)	117	16.494	16.494	0.0	100	95908	2.00	
$ 41 4-Bromofluorobenzene (Surr)	95	17.861	17.861	0.0	97	69613	2.00	

Report Date: 28-Dec-2012 14:34:23 Chrom Revision: 2.0 22-Oct-2012 16:30:48

TestAmerica Costa Mesa

Data File:	\\Lachrom\ChromData\MSD\20121227-2517.b\MB12282.D		
Injection Date:	28-Dec-2012 11:13:30	Limit Group:	TO-15_SIM_ICAL
Client ID:	34000353	Instrument ID:	MSD
Lims Batch ID:	3658	Lims Sample ID:	5
Operator ID:	DLK	Purge Vol:	500.000 mL
Column Type:	Rtx-Volatiles	Column Dia:	0.32 mm

Y Scaling:



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1/25/2013
Mr. Nate Mullaugh
GeoSyntec Consultants
1111 Broadway
6th Floor
Oakland CA 94607

Project Name: MEW Fairchild
Project #: WR1133A-06
Workorder #: 1301377

Dear Mr. Nate Mullaugh

The following report includes the data for the above referenced project for sample(s) received on 1/23/2013 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori

Project Manager

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WORK ORDER #: 1301377

Work Order Summary

CLIENT:	Mr. Nate Mullaugh GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607	**BILL TO:**	Mr. Nate Mullaugh GeoSyntec Consultants 1111 Broadway 6th Floor Oakland, CA 94607
PHONE:	510-836-3034	**P.O. #**	WR1133A-06
FAX:	510-836-3036	**PROJECT #**	WR1133A-06 MEW Fairchild
DATE RECEIVED:	01/23/2013	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	01/25/2013		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	369 AMB3	Modified TO-15 SIM	6.0 "Hg	5 psi
02A	369 AMB5	Modified TO-15 SIM	5.5 "Hg	5 psi
03A	369 AMB6	Modified TO-15 SIM	5.0 "Hg	5 psi
04A	369 AMB7	Modified TO-15 SIM	1.0 "Hg	5 psi
05A	369 AMB8	Modified TO-15 SIM	6.0 "Hg	5 psi
06A	369 HVAC 1	Modified TO-15 SIM	4.0 "Hg	5 psi
07A	369/379 OUT1	Modified TO-15 SIM	5.0 "Hg	5 psi
08A	379 AMB1	Modified TO-15 SIM	5.5 "Hg	5 psi
09A	379 AMB2	Modified TO-15 SIM	6.5 "Hg	5 psi
10A	379 AMB3	Modified TO-15 SIM	6.0 "Hg	5 psi
11A	379 AMB4	Modified TO-15 SIM	6.5 "Hg	5 psi
12A	379 AMB6	Modified TO-15 SIM	8.0 "Hg	5 psi
13A	379 HVAC2	Modified TO-15 SIM	5.5 "Hg	5 psi
14A	DUP-01	Modified TO-15 SIM	5.5 "Hg	5 psi
15A	Lab Blank	Modified TO-15 SIM	NA	NA
16A	CCV	Modified TO-15 SIM	NA	NA
17A	LCS	Modified TO-15 SIM	NA	NA
17AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY: Heidi Mayo

Technical Director

DATE: 01/25/13

Certfication numbers: AZ Licensure AZ0775, CA NELAP - 12282CA, NY NELAP - 11291,
TX NELAP - T104704434-12-5, UT NELAP CA009332012-3, WA NELAP - C935
Name of Accrediting Agency: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program)
Accreditation number: CA300005, Effective date: 10/18/2011, Expiration date: 10/17/2012.
Eurofins Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 9563
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15 SIM
GeoSyntec Consultants
Workorder# 1301377

Fourteen 6 Liter Summa Canister (SIM Certified) samples were received on January 23, 2013. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the SIM acquisition mode.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
ICAL %RSD acceptance criteria	</=30% RSD with 2 compounds allowed out to < 40% RSD	Project specific; default criteria is </=30% RSD with 10% of compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	Project specific; default criteria is </= 30% Difference with 10% of compounds allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for sample 369 AMB5 did not match the information on the canister with regard to canister identification. The client was notified of the discrepancy and the information on the canister was used to process and report the sample.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV and/or LCS.
N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: 369 AMB3

Lab ID#: 1301377-01A
No Detections Were Found.

Client Sample ID: 369 AMB5

Lab ID#: 1301377-02A
No Detections Were Found.

Client Sample ID: 369 AMB6

Lab ID#: 1301377-03A
No Detections Were Found.

Client Sample ID: 369 AMB7

Lab ID#: 1301377-04A
No Detections Were Found.

Client Sample ID: 369 AMB8

Lab ID#: 1301377-05A
No Detections Were Found.

Client Sample ID: 369 HVAC 1

Lab ID#: 1301377-06A
No Detections Were Found.

Client Sample ID: 369/379 OUT1

Lab ID#: 1301377-07A
No Detections Were Found.

Client Sample ID: 379 AMB1

Lab ID#: 1301377-08A
No Detections Were Found.

Client Sample ID: 379 AMB2

Lab ID#: 1301377-09A

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS SIM

Client Sample ID: 379 AMB2

Lab ID#: 1301377-09A

No Detections Were Found.

Client Sample ID: 379 AMB3

Lab ID#: 1301377-10A

No Detections Were Found.

Client Sample ID: 379 AMB4

Lab ID#: 1301377-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Trichloroethene	0.034	0.038	0.18	0.20

Client Sample ID: 379 AMB6

Lab ID#: 1301377-12A

No Detections Were Found.

Client Sample ID: 379 HVAC2

Lab ID#: 1301377-13A

No Detections Were Found.

Client Sample ID: DUP-01

Lab ID#: 1301377-14A

No Detections Were Found.

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Client Sample ID: 369 AMB3

Lab ID#: 1301377-01A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012306sim**	**Date of Collection:**	**1/22/13 4:30:00 PM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**1/23/13 07:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

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Client Sample ID: 369 AMB5

Lab ID#: 1301377-02A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012307sim**	**Date of Collection:**	**1/22/13 4:15:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/23/13 07:47 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: 369 AMB6

Lab ID#: 1301377-03A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012308sim**	**Date of Collection:**	**1/22/13 4:17:00 PM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**1/23/13 08:21 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	103	70-130

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Client Sample ID: 369 AMB7

Lab ID#: 1301377-04A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012309sim**	**Date of Collection:**	**1/22/13 4:31:00 PM**
Dil. Factor:	**1.39**	**Date of Analysis:**	**1/23/13 08:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.014	Not Detected	0.036	Not Detected
1,1-Dichloroethene	0.014	Not Detected	0.055	Not Detected
1,1-Dichloroethane	0.028	Not Detected	0.11	Not Detected
cis-1,2-Dichloroethene	0.028	Not Detected	0.11	Not Detected
Trichloroethene	0.028	Not Detected	0.15	Not Detected
Tetrachloroethene	0.028	Not Detected	0.19	Not Detected
trans-1,2-Dichloroethene	0.14	Not Detected	0.55	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: 369 AMB8

Lab ID#: 1301377-05A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012310sim**	**Date of Collection:**	**1/22/13 4:20:00 PM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**1/23/13 09:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	102	70-130
4-Bromofluorobenzene	105	70-130

eurofins | Air Toxics

Client Sample ID: 369 HVAC 1

Lab ID#: 1301377-06A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012311sim**	**Date of Collection:**	**1/22/13 4:23:00 PM**
Dil. Factor:	**1.55**	**Date of Analysis:**	**1/23/13 10:03 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.040	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.061	Not Detected
1,1-Dichloroethane	0.031	Not Detected	0.12	Not Detected
cis-1,2-Dichloroethene	0.031	Not Detected	0.12	Not Detected
Trichloroethene	0.031	Not Detected	0.17	Not Detected
Tetrachloroethene	0.031	Not Detected	0.21	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.61	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	108	70-130

eurofins | Air Toxics

Client Sample ID: 369/379 OUT1

Lab ID#: 1301377-07A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012312sim**	**Date of Collection:**	**1/22/13 4:34:00 PM**
Dil. Factor:	**1.61**	**Date of Analysis:**	**1/23/13 10:38 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.041	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.064	Not Detected
1,1-Dichloroethane	0.032	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.032	Not Detected	0.13	Not Detected
Trichloroethene	0.032	Not Detected	0.17	Not Detected
Tetrachloroethene	0.032	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: 379 AMB1

Lab ID#: 1301377-08A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012313sim**	**Date of Collection:**	**1/22/13 3:58:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/24/13 06:30 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	99	70-130
4-Bromofluorobenzene	97	70-130

eurofins | Air Toxics

Client Sample ID: 379 AMB2

Lab ID#: 1301377-09A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012314sim**	**Date of Collection:**	**1/22/13 4:00:00 PM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**1/24/13 07:24 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	98	70-130
4-Bromofluorobenzene	101	70-130

eurofins | Air Toxics

Client Sample ID: 379 AMB3

Lab ID#: 1301377-10A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012315sim**	**Date of Collection:**	**1/22/13 4:04:00 PM**
Dil. Factor:	**1.68**	**Date of Analysis:**	**1/24/13 08:17 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.043	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.067	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.13	Not Detected
Trichloroethene	0.034	Not Detected	0.18	Not Detected
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.67	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	99	70-130

eurofins | Air Toxics

Client Sample ID: 379 AMB4

Lab ID#: 1301377-11A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012316sim**	**Date of Collection:**	**1/22/13 4:02:00 PM**
Dil. Factor:	**1.71**	**Date of Analysis:**	**1/24/13 09:18 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.017	Not Detected	0.044	Not Detected
1,1-Dichloroethene	0.017	Not Detected	0.068	Not Detected
1,1-Dichloroethane	0.034	Not Detected	0.14	Not Detected
cis-1,2-Dichloroethene	0.034	Not Detected	0.14	Not Detected
Trichloroethene	0.034	0.038	0.18	0.20
Tetrachloroethene	0.034	Not Detected	0.23	Not Detected
trans-1,2-Dichloroethene	0.17	Not Detected	0.68	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	102	70-130

eurofins | Air Toxics

Client Sample ID: 379 AMB6

Lab ID#: 1301377-12A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012319sim**	**Date of Collection:**	**1/22/13 3:55:00 PM**
Dil. Factor:	**1.83**	**Date of Analysis:**	**1/24/13 11:51 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.018	Not Detected	0.047	Not Detected
1,1-Dichloroethene	0.018	Not Detected	0.072	Not Detected
1,1-Dichloroethane	0.037	Not Detected	0.15	Not Detected
cis-1,2-Dichloroethene	0.037	Not Detected	0.14	Not Detected
Trichloroethene	0.037	Not Detected	0.20	Not Detected
Tetrachloroethene	0.037	Not Detected	0.25	Not Detected
trans-1,2-Dichloroethene	0.18	Not Detected	0.72	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

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Client Sample ID: 379 HVAC2

Lab ID#: 1301377-13A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012318sim**	**Date of Collection:**	**1/22/13 4:10:00 PM**
Dil. Factor:	**1.64**	**Date of Analysis:**	**1/24/13 10:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	104	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

eurofins | Air Toxics

Client Sample ID: DUP-01

Lab ID#: 1301377-14A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012320sim**	**Date of Collection: 1/22/13**	
Dil. Factor:	**1.64**	**Date of Analysis: 1/24/13 12:26 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.016	Not Detected	0.042	Not Detected
1,1-Dichloroethene	0.016	Not Detected	0.065	Not Detected
1,1-Dichloroethane	0.033	Not Detected	0.13	Not Detected
cis-1,2-Dichloroethene	0.033	Not Detected	0.13	Not Detected
Trichloroethene	0.033	Not Detected	0.18	Not Detected
Tetrachloroethene	0.033	Not Detected	0.22	Not Detected
trans-1,2-Dichloroethene	0.16	Not Detected	0.65	Not Detected

Container Type: 6 Liter Summa Canister (SIM Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	103	70-130
Toluene-d8	103	70-130
4-Bromofluorobenzene	106	70-130

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Client Sample ID: Lab Blank

Lab ID#: 1301377-15A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012305sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/23/13 05:58 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Vinyl Chloride	0.010	Not Detected	0.026	Not Detected
1,1-Dichloroethene	0.010	Not Detected	0.040	Not Detected
1,1-Dichloroethane	0.020	Not Detected	0.081	Not Detected
cis-1,2-Dichloroethene	0.020	Not Detected	0.079	Not Detected
Trichloroethene	0.020	Not Detected	0.11	Not Detected
Tetrachloroethene	0.020	Not Detected	0.14	Not Detected
trans-1,2-Dichloroethene	0.10	Not Detected	0.40	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
Toluene-d8	104	70-130
4-Bromofluorobenzene	98	70-130

eurofins | Air Toxics

Client Sample ID: CCV

Lab ID#: 1301377-16A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012302sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/23/13 03:38 PM**	

Compound	**%Recovery**
Vinyl Chloride	102
1,1-Dichloroethene	109
1,1-Dichloroethane	112
cis-1,2-Dichloroethene	110
Trichloroethene	94
Tetrachloroethene	102
trans-1,2-Dichloroethene	109

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	102	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	100	70-130

eurofins | Air Toxics

Client Sample ID: LCS

Lab ID#: 1301377-17A

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012303sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/23/13 04:27 PM**	

Compound	**%Recovery**
Vinyl Chloride	103
1,1-Dichloroethene	119
1,1-Dichloroethane	116
cis-1,2-Dichloroethene	115
Trichloroethene	97
Tetrachloroethene	106
trans-1,2-Dichloroethene	125

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	101	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	101	70-130

eurofins | Air Toxics

Client Sample ID: LCSD

Lab ID#: 1301377-17AA

MODIFIED EPA METHOD TO-15 GC/MS SIM

File Name:	**v012304sim**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 1/23/13 05:01 PM**	

Compound	**%Recovery**
Vinyl Chloride	106
1,1-Dichloroethene	122
1,1-Dichloroethane	117
cis-1,2-Dichloroethene	115
Trichloroethene	100
Tetrachloroethene	108
trans-1,2-Dichloroethene	127

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
1,2-Dichloroethane-d4	100	70-130
Toluene-d8	100	70-130
4-Bromofluorobenzene	106	70-130