

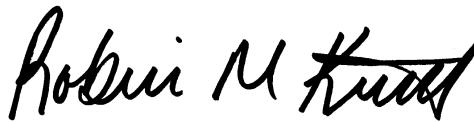
## ANALYTICAL REPORT

Job Number: 510-74911-1

Job Description: South Bend Former Studebaker Foundry

For:

Weaver Boos Consultants LLC  
4085 Meghan Beeler Court  
South Bend, IN 46628  
Attention: Jodi Slough



Approved for release.  
Robin M Kintz  
Project Manager I  
2/7/2012 11:57 AM

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02/07/2012

The test results in this report meet all NELAC requirements for parameters which accreditation is required or available. Any exceptions to NELAC requirements are noted in this report. Pursuant to NELAC, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the Project Manager who signed this test report.

Valparaiso Certifications and IDs: New Hampshire (283711), Illinois (200065), Indiana DW (C-64-01), Indiana DW Micro (M-64-4), Washington (C842), Kentucky UST (57) and Foreign Soil Permit (P330-11-00073).

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**Job Narrative**  
**510-74911-1**

**Comments**

No additional comments.

**Receipt**

The following sample was received with headspace in the sample vial: 3 of 3 vials have bubble >6 mm for the Trip Blank.

All other samples were received in good condition within temperature requirements.

**GC/MS VOA**

Method(s) 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 93020.

Method(s) 8260B: The following sample was received with headspace in the sample vial: Trip Blank (510-74911-9). Batch 93022.

No other analytical or quality issues were noted.

**GC/MS Semi VOA**

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 92987 was outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.

No other analytical or quality issues were noted.

**GC VOA**

No analytical or quality issues were noted.

**Metals**

No analytical or quality issues were noted.

**General Chemistry**

No analytical or quality issues were noted.

**Organic Prep**

No analytical or quality issues were noted.

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93020Lab Sample ID: STD005 510-93020/3 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 06:53 Lab File ID: E7352.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.05	Assign Peak	hallj	01/28/12 07:21
Isopropyl ether	5.07	Assign Peak	hallj	01/28/12 07:21
Fluorobenzene	6.91	Assign Peak	hallj	01/28/12 07:57
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 07:21
Chlorobenzene	10.69	Assign Peak	hallj	01/28/12 07:21
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 07:21
1,4-Dichlorobenzene	13.95	Assign Peak	hallj	01/28/12 07:21

Lab Sample ID: STD010 510-93020/4 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 07:27 Lab File ID: E7353.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.05	Assign Peak	hallj	01/28/12 07:59
Acetone	3.79	Assign Peak	hallj	01/28/12 07:59
Isopropyl ether	5.07	Assign Peak	hallj	01/28/12 07:59
Fluorobenzene	6.91	Baseline	hallj	01/28/12 07:57
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 07:59
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 07:59
1,4-Dichlorobenzene	13.95	Assign Peak	hallj	01/28/12 07:59

Lab Sample ID: STD020 510-93020/5 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 08:02 Lab File ID: E7354.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.06	Assign Peak	hallj	01/28/12 08:39
Isopropyl ether	5.07	Assign Peak	hallj	01/28/12 08:39
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 08:39
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 08:39

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93020Lab Sample ID: STD040 510-93020/6 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 08:36 Lab File ID: E7355.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.11	Assign Peak	hallj	01/28/12 09:56
Chloroethane	2.86	Assign Peak	hallj	01/28/12 10:44
Isopropyl ether	5.06	Assign Peak	hallj	01/28/12 09:56
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 09:56
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 09:56

Lab Sample ID: STD050 510-93020/7 ICIS Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 09:11 Lab File ID: E7356.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.11	Assign Peak	hallj	01/28/12 09:58
Bromomethane	2.74	Assign Peak	hallj	01/28/12 09:58
Chloroethane	2.84	Assign Peak	hallj	01/28/12 10:44
Isopropyl ether	5.07	Assign Peak	hallj	01/28/12 09:58
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 09:58
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 09:58

Lab Sample ID: STD100 510-93020/8 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 09:45 Lab File ID: E7357.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.39	Assign Peak	hallj	01/28/12 10:43
Chloroethane	2.83	Assign Peak	hallj	01/28/12 10:43
Isopropyl ether	5.06	Assign Peak	hallj	01/28/12 10:43
1,2-Dichloropropane	7.58	Assign Peak	hallj	01/28/12 10:43
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 10:43



## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93020Lab Sample ID: STD150 510-93020/9 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 10:20 Lab File ID: E7358.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.45	Assign Peak	hallj	01/28/12 11:16
Chloroethane	2.82	Assign Peak	hallj	01/28/12 11:16
Isopropyl ether	5.06	Assign Peak	hallj	01/28/12 11:16
Isobutanol	6.71	Assign Peak	hallj	01/28/12 11:16
1,2-Dichloropropane	7.58	Assign Peak	hallj	01/28/12 11:16
1,2,3-Trichloropropane	12.53	Assign Peak	hallj	01/28/12 11:16
trans-1,4-Dichloro-2-butene	12.55	Assign Peak	hallj	01/28/12 11:16
N-Propylbenzene	12.63	Assign Peak	hallj	01/28/12 11:16
2-Chlorotoluene	12.75	Assign Peak	hallj	01/28/12 11:16
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 11:16
1,3-Dichlorobenzene	13.83	Assign Peak	hallj	01/28/12 11:16
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hallj	01/28/12 11:16
1,2,3-Trimethylbenzene	14.03	Assign Peak	hallj	01/28/12 11:16

Lab Sample ID: STD200 510-93020/10 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 10:54 Lab File ID: E7359.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.73	Assign Peak	hallj	01/28/12 12:24
Chloroethane	2.82	Assign Peak	hallj	01/28/12 12:24
Trichlorofluoromethane	3.07	Assign Peak	hallj	01/28/12 12:24
t-Butyl alcohol	4.62	Assign Peak	hallj	01/28/12 12:24
Isopropyl ether	5.07	Assign Peak	hallj	01/28/12 12:24
n-Butanol	7.31	Assign Peak	hallj	01/28/12 12:24
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/28/12 12:24
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/28/12 12:24
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hallj	01/28/12 12:24

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93020Lab Sample ID: MB 510-93020/15 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 13:47 Lab File ID: E7364.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.90	Assign Peak	hallj	01/29/12 07:05

Lab Sample ID: 510-74911-1 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 14:21 Lab File ID: E7365.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 07:06

Lab Sample ID: 510-74911-2 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 14:56 Lab File ID: E7366.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 07:07

Lab Sample ID: 510-74911-3 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 15:30 Lab File ID: E7367.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 07:07

Lab Sample ID: 510-74911-4 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 16:04 Lab File ID: E7368.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.90	Assign Peak	hallj	01/29/12 07:07

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93020Lab Sample ID: 510-74911-5 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 16:38 Lab File ID: E7369.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.90	Assign Peak	hallj	01/29/12 07:07

Lab Sample ID: 510-74911-6 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 17:13 Lab File ID: E7370.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.90	Assign Peak	hallj	01/29/12 07:08

Lab Sample ID: 510-74911-7 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/28/12 17:47 Lab File ID: E7371.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 07:08

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Analysis Batch Number: 93034Lab Sample ID: CCVIS 510-93034/2 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 09:05 Lab File ID: E7376.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.10	Assign Peak	hallj	01/29/12 10:13
2-Methyl-2-propanol	4.40	Assign Peak	hallj	01/29/12 10:13
Isopropyl ether	5.07	Assign Peak	hallj	01/29/12 10:13
Fluorobenzene	6.90	Assign Peak	hallj	01/29/12 10:13
1,2-Dichloropropane	7.59	Assign Peak	hallj	01/29/12 10:13
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	01/29/12 10:13

Lab Sample ID: MB 510-93034/6 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 11:49 Lab File ID: E7380.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 12:30

Lab Sample ID: 510-74911-8 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 12:24 Lab File ID: E7381.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	01/29/12 14:42
Ethylbenzene		Unspecified		
m-Xylene & p-Xylene		Unspecified		

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSB Analysis Batch Number: 92688Lab Sample ID: STD002 510-92688/3 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 09:16 Lab File ID: A7082.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	2.71	Assign Peak	hallj	01/21/12 09:53
Acetone	2.83	Assign Peak	hallj	01/21/12 09:53
Iodomethane	2.93	Assign Peak	hallj	01/21/12 09:53
Acetonitrile	3.09	Assign Peak	hallj	01/21/12 09:53
t-Butyl alcohol	3.33	Assign Peak	hallj	01/21/12 09:53
Acrylonitrile	3.46	Assign Peak	hallj	01/21/12 09:53
Vinyl acetate	3.95	Assign Peak	hallj	01/21/12 09:53
Isopropyl ether	3.98	Assign Peak	hallj	01/21/12 09:53
1,3-Butadiene	4.51	Assign Peak	hallj	01/21/12 09:53
Propionitrile	4.51	Assign Peak	hallj	01/21/12 09:53
Tetrahydrofuran	4.74	Assign Peak	hallj	01/21/12 09:53
Isobutanol	5.41	Assign Peak	hallj	01/21/12 09:53
Methylcyclohexane	6.14	Assign Peak	hallj	01/21/12 09:53
Chlorobenzene	8.78	Assign Peak	hallj	01/21/12 09:53
Bromoform	9.71	Assign Peak	hallj	01/21/12 09:53
1,1,2,2-Tetrachloroethane	10.28	Assign Peak	hallj	01/21/12 09:53
1,2,3-Trichloropropane	10.32	Assign Peak	hallj	01/21/12 09:53
1,3-Dichlorobenzene	11.42	Assign Peak	hallj	01/21/12 09:53
4-Isopropyltoluene	11.47	Assign Peak	hallj	01/21/12 09:53
1,4-Dichlorobenzene	11.52	Assign Peak	hallj	01/21/12 09:53
Naphthalene	14.23	Assign Peak	hallj	01/21/12 09:53
1,2,3-Trichlorobenzene	14.55	Assign Peak	hallj	01/21/12 09:53

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSB Analysis Batch Number: 92688Lab Sample ID: STD005 510-92688/4 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 09:47 Lab File ID: A7083.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetone	2.85	Assign Peak	hallj	01/21/12 10:15
Acetonitrile	3.08	Assign Peak	hallj	01/21/12 10:15
t-Butyl alcohol	3.35	Assign Peak	hallj	01/21/12 10:15
Isopropyl ether	3.98	Assign Peak	hallj	01/21/12 10:15
2-Butanone (MEK)	4.45	Assign Peak	hallj	01/21/12 10:15
2,2-Dichloropropane	4.46	Assign Peak	hallj	01/21/12 10:15
1,3-Butadiene	4.51	Assign Peak	hallj	01/21/12 10:15
Propionitrile	4.51	Assign Peak	hallj	01/21/12 10:15
n-Butanol	5.85	Assign Peak	hallj	01/21/12 10:15
Dichlorobromomethane	6.42	Assign Peak	hallj	01/21/12 10:15
2-Hexanone	7.96	Assign Peak	hallj	01/21/12 10:15
Styrene	9.53	Assign Peak	hallj	01/21/12 10:15
trans-1,4-Dichloro-2-butene	10.33	Assign Peak	hallj	01/21/12 10:15
1,4-Dichlorobenzene	11.52	Assign Peak	hallj	01/21/12 10:15
1,2-Dibromo-3-Chloropropane	12.89	Assign Peak	hallj	01/21/12 10:15
1,2,4-Trichlorobenzene	13.92	Assign Peak	hallj	01/21/12 10:15
Naphthalene	14.23	Assign Peak	hallj	01/21/12 10:15
1,2,3-Trichlorobenzene	14.54	Assign Peak	hallj	01/21/12 10:15

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSB Analysis Batch Number: 92688Lab Sample ID: STD010 510-92688/5 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 10:18 Lab File ID: A7084.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.09	Assign Peak	hallj	01/21/12 10:45
Vinyl acetate	3.95	Assign Peak	hallj	01/21/12 10:45
Isopropyl ether	3.97	Assign Peak	hallj	01/21/12 10:45
1,3-Butadiene	4.51	Assign Peak	hallj	01/21/12 10:45
Propionitrile	4.51	Assign Peak	hallj	01/21/12 10:45
n-Butanol	5.85	Assign Peak	hallj	01/21/12 10:45
cis-1,3-Dichloropropene	6.89	Assign Peak	hallj	01/21/12 10:45
Ethyl methacrylate	7.58	Assign Peak	hallj	01/21/12 10:45
Chlorobenzene	8.78	Assign Peak	hallj	01/21/12 10:45

Lab Sample ID: STD020 510-92688/6 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 10:49 Lab File ID: A7085.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.10	Assign Peak	hallj	01/21/12 11:34
Isopropyl ether	3.97	Assign Peak	hallj	01/21/12 11:34
1,3-Butadiene	4.50	Assign Peak	hallj	01/21/12 11:34
Propionitrile	4.50	Assign Peak	hallj	01/21/12 11:34

Lab Sample ID: STD050 510-92688/7 ICIS Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 11:20 Lab File ID: A7086.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.10	Assign Peak	hallj	01/21/12 11:43
Vinyl acetate	3.95	Assign Peak	hallj	01/21/12 11:43
Isopropyl ether	3.97	Assign Peak	hallj	01/21/12 11:43
1,3-Butadiene	4.51	Assign Peak	hallj	01/21/12 11:43
1,2,3-Trichlorobenzene	14.53	Assign Peak	hallj	01/21/12 11:43

## GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSB Analysis Batch Number: 92688Lab Sample ID: STD100 510-92688/8 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 11:51 Lab File ID: A7087.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.95	Assign Peak	hallj	01/21/12 12:25
Isopropyl ether	3.97	Assign Peak	hallj	01/21/12 12:25

Lab Sample ID: STD150 510-92688/9 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 12:22 Lab File ID: A7088.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.94	Assign Peak	hallj	01/21/12 12:49
Isopropyl ether	3.97	Assign Peak	hallj	01/21/12 12:49
1,3-Butadiene	4.50	Assign Peak	hallj	01/21/12 12:49

Lab Sample ID: STD200 510-92688/10 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/21/12 12:53 Lab File ID: A7089.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	3.98	Assign Peak	hallj	01/21/12 13:17



GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VM5B Analysis Batch Number: 93022

Lab Sample ID: CCVIS 510-93022/3 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/28/12 07:51 Lab File ID: A7242.D GC Column: 624/8260 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.95	Assign Peak	hallj	01/28/12 08:26
Isopropyl ether	3.97	Assign Peak	hallj	01/28/12 08:26
2-Butanone (MEK)	4.45	Assign Peak	hallj	01/28/12 08:26

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD 510-93035/2 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 11:11 Lab File ID: D3666.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 19:49
Naphthalene-d8	4.97	Assign Peak	squiresb	01/29/12 11:27
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 11:27
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 11:27
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 11:27
Phenanthrene-d10	8.26	Assign Peak	squiresb	01/29/12 11:27
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 11:27
Pyrene	9.45	Assign Peak	squiresb	01/29/12 11:27
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 11:27
Chrysene-d12	10.37	Assign Peak	squiresb	01/29/12 11:27
Chrysene	10.39	Assign Peak	squiresb	01/29/12 11:27
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 11:27
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 11:27
Perylene-d12	11.41	Assign Peak	squiresb	01/29/12 11:27
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 11:27
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 11:27
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 11:27

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD001 510-93035/3 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 11:29 Lab File ID: D3667.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 19:48
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 19:48
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 19:48
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 19:48
Phenanthrene-d10	8.26	Assign Peak	squiresb	01/29/12 19:48
Fluoranthene	9.27	Assign Peak	squiresb	01/29/12 19:48
Pyrene	9.45	Assign Peak	squiresb	01/29/12 19:48
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 19:48
Chrysene-d12	10.37	Assign Peak	squiresb	01/29/12 19:48
Chrysene	10.39	Assign Peak	squiresb	01/29/12 19:48
Benzo[b]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 19:48
Benzo[k]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 19:48
Perylene-d12	11.41	Assign Peak	squiresb	01/29/12 19:48
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 19:48
Indeno[1,2,3-cd]pyrene	12.10	Assign Peak	squiresb	01/29/12 19:48
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 19:48

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD002 510-93035/4 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 11:47 Lab File ID: D3668.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 19:53
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 19:53
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 19:53
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 19:53
Phenanthrene-d10	8.26	Assign Peak	squiresb	01/29/12 19:53
Anthracene	8.32	Assign Peak	squiresb	01/29/12 19:53
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 19:53
Pyrene	9.45	Assign Peak	squiresb	01/29/12 19:53
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 19:53
Chrysene-d12	10.37	Assign Peak	squiresb	01/29/12 19:53
Chrysene	10.39	Assign Peak	squiresb	01/29/12 19:53
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 19:53
Benzo[k]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 19:53
Perylene-d12	11.40	Assign Peak	squiresb	01/29/12 19:53
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 19:53
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 19:53
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 19:53

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD005 510-93035/5 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 12:06 Lab File ID: D3669.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 19:56
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 19:56
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 19:56
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 19:56
Phenanthrene-d10	8.26	Assign Peak	squiresb	01/29/12 19:56
Phenanthrene	8.28	Assign Peak	squiresb	01/29/12 19:56
Anthracene	8.32	Assign Peak	squiresb	01/29/12 19:56
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 19:56
Pyrene	9.45	Assign Peak	squiresb	01/29/12 19:56
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 19:56
Chrysene-d12	10.38	Assign Peak	squiresb	01/29/12 19:56
Chrysene	10.39	Assign Peak	squiresb	01/29/12 19:56
Benzo[b]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 19:56
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 19:56
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 19:56
Indeno[1,2,3-cd]pyrene	12.10	Assign Peak	squiresb	01/29/12 19:56
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 19:56

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD010 510-93035/6 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 12:24 Lab File ID: D3670.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:00
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:00
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 20:00
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:00
Fluoranthene	9.27	Assign Peak	squiresb	01/29/12 20:00
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:00
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:00
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:00
Benzo[b]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 20:00
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:00
Perylene-d12	11.41	Assign Peak	squiresb	01/29/12 20:00
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 20:00
Indeno[1,2,3-cd]pyrene	12.10	Assign Peak	squiresb	01/29/12 20:00
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 20:00

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD020 510-93035/7 Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 12:43 Lab File ID: D3671.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:03
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:03
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 20:03
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:03
Phenanthrene	8.28	Assign Peak	squiresb	01/29/12 20:03
Anthracene	8.32	Assign Peak	squiresb	01/29/12 20:03
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 20:03
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:03
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:03
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:03
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:03
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:03
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 20:03
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 20:03
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 20:03

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD040 510-93035/8 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 13:01 Lab File ID: D3672.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:06
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:06
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 20:06
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:06
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 20:06
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:06
Benzo[a]anthracene	10.37	Assign Peak	squiresb	01/29/12 20:06
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:06
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:06
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:06
Dibenz(a,h)anthracene	12.08	Assign Peak	squiresb	01/29/12 20:06
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 20:06
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 20:06



## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: SSTD080 510-93035/9 IC Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 13:20 Lab File ID: D3673.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:09
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:09
2-Methylnaphthalene	5.67	Assign Peak	squiresb	01/29/12 20:09
Acenaphthylene	6.58	Assign Peak	squiresb	01/29/12 20:09
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 20:09
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:09
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:09
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:09
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:09
Benzo[k]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:09
Indeno[1,2,3-cd]pyrene	12.07	Assign Peak	squiresb	01/29/12 20:09
Dibenz(a,h)anthracene	12.08	Assign Peak	squiresb	01/29/12 20:09
Benzo[g,h,i]perylene	12.24	Assign Peak	squiresb	01/29/12 20:09

Lab Sample ID: MB 510-92897/1-A Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 14:52 Lab File ID: D3678.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:15

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: LCS 510-92897/2-A Client Sample ID: \_\_\_\_\_Date Analyzed: 01/29/12 15:10 Lab File ID: D3679.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:17
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:17
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:17
Fluoranthene	9.27	Assign Peak	squiresb	01/29/12 20:17
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:17
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:17
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:17
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:17
Benzo[k]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 20:17
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 20:17
Dibenz(a,h)anthracene	12.10	Assign Peak	squiresb	01/29/12 20:17
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 20:17

Lab Sample ID: 510-74911-1 Client Sample ID: SB0058: TK14SW1:030040Date Analyzed: 01/29/12 15:29 Lab File ID: D3680.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:18

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: 510-74911-1 MS Client Sample ID: SB0058: TK14SW1:030040 MSDate Analyzed: 01/29/12 15:47 Lab File ID: D3681.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:21
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:21
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:21
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 20:21
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:21
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:21
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:21
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:21
Benzo[k]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 20:21
Dibenz(a,h)anthracene	12.08	Assign Peak	squiresb	01/29/12 20:21
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 20:21
Benzo[g,h,i]perylene	12.24	Assign Peak	squiresb	01/29/12 20:21

Lab Sample ID: 510-74911-1 MSD Client Sample ID: SB0058: TK14SW1:030040 MSDDate Analyzed: 01/29/12 16:06 Lab File ID: D3682.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:25
Naphthalene	4.99	Assign Peak	squiresb	01/29/12 20:25
Acenaphthylene	6.57	Assign Peak	squiresb	01/29/12 20:25
Fluoranthene	9.28	Assign Peak	squiresb	01/29/12 20:25
Pyrene	9.45	Assign Peak	squiresb	01/29/12 20:25
Benzo[a]anthracene	10.36	Assign Peak	squiresb	01/29/12 20:25
Chrysene	10.39	Assign Peak	squiresb	01/29/12 20:25
Benzo[b]fluoranthene	11.14	Assign Peak	squiresb	01/29/12 20:25
Benzo[k]fluoranthene	11.15	Assign Peak	squiresb	01/29/12 20:25
Dibenz(a,h)anthracene	12.08	Assign Peak	squiresb	01/29/12 20:25
Indeno[1,2,3-cd]pyrene	12.08	Assign Peak	squiresb	01/29/12 20:25
Benzo[g,h,i]perylene	12.25	Assign Peak	squiresb	01/29/12 20:25

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: 510-74911-2 Client Sample ID: SB0058: TK14SW2:030040Date Analyzed: 01/29/12 16:24 Lab File ID: D3683.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:25

Lab Sample ID: 510-74911-3 Client Sample ID: SB0058: TK14SW3:030040Date Analyzed: 01/29/12 16:42 Lab File ID: D3684.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:28

Lab Sample ID: 510-74911-4 Client Sample ID: SB0058: TK14SW4:030040Date Analyzed: 01/29/12 17:01 Lab File ID: D3685.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:28

Lab Sample ID: 510-74911-5 Client Sample ID: SB0058: TK14FLR1:050055Date Analyzed: 01/29/12 17:19 Lab File ID: D3686.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:29

Lab Sample ID: 510-74911-6 Client Sample ID: SB0058: TK14FLR2:050055Date Analyzed: 01/29/12 17:38 Lab File ID: D3687.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:31
Benzo[b]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:31
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:31

8270C SIM

## GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSA Analysis Batch Number: 93035Lab Sample ID: 510-74911-7 Client Sample ID: SB0058: TK14:Field DuplicateDate Analyzed: 01/29/12 17:56 Lab File ID: D3688.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:32

Lab Sample ID: 510-74911-8 Client Sample ID: SB0058: TK14:StockpileDate Analyzed: 01/29/12 18:14 Lab File ID: D3689.D GC Column: 8270/625 ID: 0.25 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	4.30	Assign Peak	squiresb	01/29/12 20:34
Benzo[k]fluoranthene	11.16	Assign Peak	squiresb	01/29/12 20:34
Benzo[a]pyrene	11.37	Assign Peak	squiresb	01/29/12 20:34

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Analysis Batch Number: 137537

Lab Sample ID: IC 500-137537/3 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/07/12 05:28 Lab File ID: 01071214\_003.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.74	Incomplete Integration	estesw	01/08/12 07:13

Lab Sample ID: IC 500-137537/4 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/07/12 06:04 Lab File ID: 01071214\_004.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.74	Incomplete Integration	estesw	01/08/12 07:14

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Analysis Batch Number: 137558

Lab Sample ID: IC 500-137558/2 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/07/12 10:47 Lab File ID: 01071214\_012.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (C6-C9)	13.64	Baseline Smoothing	estesw	01/08/12 08:16
C5-C12	14.75	Baseline Smoothing	estesw	01/08/12 08:16
Gasoline Range Organics (GRO) -C6-C12	15.53	Baseline Smoothing	estesw	01/08/12 08:16
Gasoline Range Organics (GRO) -C6-C10	16.28	Baseline Smoothing	estesw	01/08/12 08:16

Lab Sample ID: IC 500-137558/3 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/07/12 11:23 Lab File ID: 01071214\_013.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.75	Baseline Smoothing	estesw	01/08/12 08:17

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Analysis Batch Number: 139318

Lab Sample ID: 510-74911-5 MS Client Sample ID: SB0058: TK14FLR1:050055 MS

Date Analyzed: 01/27/12 11:06 Lab File ID: 01271214\_006.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.75	Baseline Smoothing	estesw	01/28/12 00:28



GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Analysis Batch Number: 139321

Lab Sample ID: LCSD 500-139321/12 Client Sample ID: \_\_\_\_\_

Date Analyzed: 01/27/12 19:23 Lab File ID: 01271214\_020.d GC Column: DB624 ID: 0.2 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.73	Baseline Smoothing	estesw	01/28/12 00:35

# SAMPLE SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
510-74911-1	SB0058: TK14SW1:030040	Solid	01/25/2012 0900	01/25/2012 1335
510-74911-2	SB0058: TK14SW2:030040	Solid	01/25/2012 0910	01/25/2012 1335
510-74911-3	SB0058: TK14SW3:030040	Solid	01/25/2012 0925	01/25/2012 1335
510-74911-4	SB0058: TK14SW4:030040	Solid	01/25/2012 0940	01/25/2012 1335
510-74911-5	SB0058: TK14FLR1:050055	Solid	01/25/2012 1000	01/25/2012 1335
510-74911-6	SB0058: TK14FLR2:050055	Solid	01/25/2012 1015	01/25/2012 1335
510-74911-7	SB0058: TK14:Field Duplicate	Solid	01/25/2012 0950	01/25/2012 1335
510-74911-8	SB0058: TK14:Stockpile	Solid	01/25/2012 1030	01/25/2012 1335
510-74911-9	Trip Blank	Water	01/25/2012 0835	01/25/2012 1335

## EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>510-74911-1</b>	<b>SB0058: TK14SW1:030040</b>					
C5-C12		0.037		0.018	mg/Kg	8015B
Lead		2.6		0.51	mg/Kg	6010B
Percent Moisture		3.8		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
<b>510-74911-2</b>	<b>SB0058: TK14SW2:030040</b>					
C5-C12		0.049		0.021	mg/Kg	8015B
Lead		3.1		0.50	mg/Kg	6010B
Percent Moisture		5.0		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
<b>510-74911-3</b>	<b>SB0058: TK14SW3:030040</b>					
Lead		2.4		0.53	mg/Kg	6010B
Percent Moisture		8.4		0.10	%	Moisture
Percent Solids		92		0.10	%	Moisture
<b>510-74911-4</b>	<b>SB0058: TK14SW4:030040</b>					
C5-C12		0.030		0.020	mg/Kg	8015B
Lead		2.5		0.46	mg/Kg	6010B
Percent Moisture		5.2		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
<b>510-74911-5</b>	<b>SB0058: TK14FLR1:050055</b>					
C5-C12		7.4		2.2	mg/Kg	8015B
Lead		2.8		0.46	mg/Kg	6010B
Percent Moisture		3.7		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
<b>510-74911-6</b>	<b>SB0058: TK14FLR2:050055</b>					
Benzo[a]pyrene		0.032		0.021	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.083		0.021	mg/Kg	8270C SIM
C5-C12		0.027		0.018	mg/Kg	8015B
Lead		7.2		0.52	mg/Kg	6010B
Percent Moisture		6.0		0.10	%	Moisture
Percent Solids		94		0.10	%	Moisture

## EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
<b>510-74911-7</b>	<b>SB0058: TK14:FIELD DUPLICATE</b>					
C5-C12		0.057		0.024	mg/Kg	8015B
Lead		3.3		0.52	mg/Kg	6010B
Percent Moisture		5.3		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
<b>510-74911-8</b>	<b>SB0058: TK14:STOCKPILE</b>					
Benzo[k]fluoranthene		0.066		0.021	mg/Kg	8270C SIM
C5-C12		0.14		0.023	mg/Kg	8015B
Lead		2.9		0.48	mg/Kg	6010B
Percent Moisture		5.2		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture

## METHOD SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Description	Lab Location	Method	Preparation Method
<b>Matrix Solid</b>			
Volatile Organic Compounds (GC/MS) Closed System Purge and Trap	TAL VAL	SW846 8260B	SW846 5035
Semivolatile Organic Compounds (GC/MS SIM) Microwave Extraction	TAL VAL	SW846 8270C SIM	SW846 3546
Percent Moisture	TAL VAL	EPA Moisture	
Gasoline Range Organics - (GC) Closed System Purge and Trap	TAL CHI	SW846 8015B	SW846 5035
Metals (ICP) Preparation, Metals	TAL CHI	SW846 6010B	SW846 3050B
<b>Matrix Water</b>			
Volatile Organic Compounds (GC/MS) Purge and Trap	TAL VAL TAL VAL	SW846 8260B	SW846 5030B

### Lab References:

TAL CHI = TestAmerica Chicago

TAL VAL = TestAmerica Valparaiso

### Method References:

EPA = US Environmental Protection Agency

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

## METHOD / ANALYST SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8260B	Hall, Jennifer L	JLH
SW846 8270C SIM	Squires, William D	WDS
SW846 8015B	Estes, William R	WRE
SW846 6010B	Smith, Todd D	TDS
EPA Moisture	Tran, Kevin	KT

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14SW1:030040**

Lab Sample ID: 510-74911-1

Date Sampled: 01/25/2012 0900

Client Matrix: Solid

% Moisture: 3.8

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7365.D
Dilution: 1.0		Initial Weight/Volume: 25.931 g
Analysis Date: 01/28/2012 1421		Final Weight/Volume: 30.7541 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.2		6.2
Ethylbenzene		<6.2		6.2
Toluene		<6.2		6.2
Xylenes, Total		<12		12
Methyl tert-butyl ether		<6.2		6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	98		70 - 130
4-Bromofluorobenzene (Surr)	98		50 - 150
1,2-Dichloroethane-d4 (Surr)	102		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW2:030040**

Lab Sample ID: 510-74911-2

Date Sampled: 01/25/2012 0910

Client Matrix: Solid

% Moisture: 5.0

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7366.D
Dilution: 1.0		Initial Weight/Volume: 25.974 g
Analysis Date: 01/28/2012 1456		Final Weight/Volume: 30.9282 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.3		6.3
Ethylbenzene		<6.3		6.3
Toluene		<6.3		6.3
Xylenes, Total		<13		13
Methyl tert-butyl ether		<6.3		6.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		50 - 150
1,2-Dichloroethane-d4 (Surr)	104		76 - 137



# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14SW3:030040**

Lab Sample ID: 510-74911-3

Date Sampled: 01/25/2012 0925

Client Matrix: Solid

% Moisture: 8.4

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7367.D
Dilution: 1.0		Initial Weight/Volume: 25.909 g
Analysis Date: 01/28/2012 1530		Final Weight/Volume: 30.8887 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.5		6.5
Ethylbenzene		<6.5		6.5
Toluene		<6.5		6.5
Xylenes, Total		<13		13
Methyl tert-butyl ether		<6.5		6.5

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	97		50 - 150
1,2-Dichloroethane-d4 (Surr)	104		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW4:030040**

Lab Sample ID: 510-74911-4

Date Sampled: 01/25/2012 0940

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7368.D
Dilution: 1.0		Initial Weight/Volume: 26.023 g
Analysis Date: 01/28/2012 1604		Final Weight/Volume: 31.0994 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.3		6.3
Ethylbenzene		<6.3		6.3
Toluene		<6.3		6.3
Xylenes, Total		<13		13
Methyl tert-butyl ether		<6.3		6.3

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	97		50 - 150
1,2-Dichloroethane-d4 (Surr)	103		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR1:050055**

Lab Sample ID: 510-74911-5

Date Sampled: 01/25/2012 1000

Client Matrix: Solid

% Moisture: 3.7

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7369.D
Dilution: 1.0		Initial Weight/Volume: 25.926 g
Analysis Date: 01/28/2012 1638		Final Weight/Volume: 30.9157 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.2		6.2
Ethylbenzene		<6.2		6.2
Toluene		<6.2		6.2
Xylenes, Total		<12		12
Methyl tert-butyl ether		<6.2		6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	98		50 - 150
1,2-Dichloroethane-d4 (Surr)	104		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14FLR2:050055**

Lab Sample ID: 510-74911-6

Date Sampled: 01/25/2012 1015

Client Matrix: Solid

% Moisture: 6.0

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B	Analysis Batch: 510-93020	Instrument ID: VMSA
Prep Method: 5035	Prep Batch: 510-93027	Lab File ID: E7370.D
Dilution: 1.0		Initial Weight/Volume: 26.020 g
Analysis Date: 01/28/2012 1713		Final Weight/Volume: 31.4891 g
Prep Date: 01/26/2012 1700		

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.4		6.4
Ethylbenzene		<6.4		6.4
Toluene		<6.4		6.4
Xylenes, Total		<13		13
Methyl tert-butyl ether		<6.4		6.4

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	95		50 - 150
1,2-Dichloroethane-d4 (Surr)	102		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Field Duplicate**

Lab Sample ID: 510-74911-7

Date Sampled: 01/25/2012 0950

Client Matrix: Solid

% Moisture: 5.3

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 510-93020

Instrument ID: VMSA

Prep Method: 5035

Prep Batch: 510-93027

Lab File ID: E7371.D

Dilution: 1.0

Initial Weight/Volume: 26.054 g

Analysis Date: 01/28/2012 1747

Final Weight/Volume: 30.6214 g

Prep Date: 01/26/2012 1700

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.2		6.2
Ethylbenzene		<6.2		6.2
Toluene		<6.2		6.2
Xylenes, Total		<12		12
Methyl tert-butyl ether		<6.2		6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	96		70 - 130
4-Bromofluorobenzene (Surr)	96		50 - 150
1,2-Dichloroethane-d4 (Surr)	104		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14:Stockpile**

Lab Sample ID: 510-74911-8

Date Sampled: 01/25/2012 1030

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B      Analysis Batch: 510-93034      Instrument ID: VMSA  
Prep Method: 5035      Prep Batch: 510-93037      Lab File ID: E7381.D  
Dilution: 1.0      Initial Weight/Volume: 25.927 g  
Analysis Date: 01/29/2012 1224      Run Type: RA      Final Weight/Volume: 30.6551 g  
Prep Date: 01/26/2012 1700

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	RL
Benzene		<6.2		6.2
Ethylbenzene		<6.2		6.2
Toluene		<6.2		6.2
Xylenes, Total		<12		12
Methyl tert-butyl ether		<6.2		6.2

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	97		70 - 130
4-Bromofluorobenzene (Surr)	99		50 - 150
1,2-Dichloroethane-d4 (Surr)	103		76 - 137

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID:** Trip Blank

Lab Sample ID: 510-74911-9

Date Sampled: 01/25/2012 0835

Client Matrix: Water

Date Received: 01/25/2012 1335

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## 8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-93022	Instrument ID:	VMSB
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A7247.D
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	01/28/2012 1043			Final Weight/Volume:	40 mL
Prep Date:	01/28/2012 1043				

Analyte	Result (ug/L)	Qualifier	RL
Benzene	<5.0		5.0
Ethylbenzene	<5.0		5.0
Toluene	<5.0		5.0
Xylenes, Total	<10		10
Methyl tert-butyl ether	<5.0		5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Toluene-d8 (Surr)	100		89 - 108
4-Bromofluorobenzene (Surr)	107		77 - 132
1,2-Dichloroethane-d4 (Surr)	90		81 - 126

## Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW1:030040**

Lab Sample ID: 510-74911-1

Date Sampled: 01/25/2012 0900

Client Matrix: Solid

% Moisture: 3.8

Date Received: 01/25/2012 1335

### 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA	
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3680.D	
Dilution: 1.0		Initial Weight/Volume: 30.02 g	
Analysis Date: 01/29/2012 1529		Final Weight/Volume: 1 mL	
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL	

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		<0.021		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		<0.021		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	70		10 - 117
2-Fluorobiphenyl	56		16 - 110
Terphenyl-d14	80		10 - 194



## Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW2:030040**

Lab Sample ID: 510-74911-2

Date Sampled: 01/25/2012 0910

Client Matrix: Solid

% Moisture: 5.0

Date Received: 01/25/2012 1335

### 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3683.D
Dilution: 1.0		Initial Weight/Volume: 30.41 g
Analysis Date: 01/29/2012 1624		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		<0.021		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		<0.021		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		10 - 117
2-Fluorobiphenyl	56		16 - 110
Terphenyl-d14	78		10 - 194

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW3:030040**

Lab Sample ID: 510-74911-3

Date Sampled: 01/25/2012 0925

Client Matrix: Solid

% Moisture: 8.4

Date Received: 01/25/2012 1335

## 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3684.D
Dilution: 1.0		Initial Weight/Volume: 30.02 g
Analysis Date: 01/29/2012 1642		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.022		0.022
Acenaphthylene		<0.022		0.022
Anthracene		<0.022		0.022
Benzo[a]anthracene		<0.022		0.022
Benzo[a]pyrene		<0.022		0.022
Benzo[b]fluoranthene		<0.022		0.022
Benzo[g,h,i]perylene		<0.022		0.022
Benzo[k]fluoranthene		<0.022		0.022
Chrysene		<0.022		0.022
Dibenz(a,h)anthracene		<0.022		0.022
Fluoranthene		<0.022		0.022
Fluorene		<0.022		0.022
Indeno[1,2,3-cd]pyrene		<0.022		0.022
Naphthalene		<0.022		0.022
Phenanthrene		<0.022		0.022
Pyrene		<0.022		0.022

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	71		10 - 117
2-Fluorobiphenyl	61		16 - 110
Terphenyl-d14	80		10 - 194

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14SW4:030040**

Lab Sample ID: 510-74911-4

Date Sampled: 01/25/2012 0940

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

## 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-93035	Instrument ID:	SMSA
Prep Method:	3546	Prep Batch:	510-92897	Lab File ID:	D3685.D
Dilution:	1.0			Initial Weight/Volume:	30.10 g
Analysis Date:	01/29/2012 1701			Final Weight/Volume:	1 mL
Prep Date:	01/26/2012 0811			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		<0.021		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		<0.021		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	73		10 - 117
2-Fluorobiphenyl	61		16 - 110
Terphenyl-d14	85		10 - 194

## Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR1:050055**

Lab Sample ID: 510-74911-5

Date Sampled: 01/25/2012 1000

Client Matrix: Solid

% Moisture: 3.7

Date Received: 01/25/2012 1335

### 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3686.D
Dilution: 1.0		Initial Weight/Volume: 30.57 g
Analysis Date: 01/29/2012 1719		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.020		0.020
Acenaphthylene		<0.020		0.020
Anthracene		<0.020		0.020
Benzo[a]anthracene		<0.020		0.020
Benzo[a]pyrene		<0.020		0.020
Benzo[b]fluoranthene		<0.020		0.020
Benzo[g,h,i]perylene		<0.020		0.020
Benzo[k]fluoranthene		<0.020		0.020
Chrysene		<0.020		0.020
Dibenz(a,h)anthracene		<0.020		0.020
Fluoranthene		<0.020		0.020
Fluorene		<0.020		0.020
Indeno[1,2,3-cd]pyrene		<0.020		0.020
Naphthalene		<0.020		0.020
Phenanthrene		<0.020		0.020
Pyrene		<0.020		0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	78		10 - 117
2-Fluorobiphenyl	64		16 - 110
Terphenyl-d14	91		10 - 194

## Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR2:050055**

Lab Sample ID: 510-74911-6

Date Sampled: 01/25/2012 1015

Client Matrix: Solid

% Moisture: 6.0

Date Received: 01/25/2012 1335

### 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3687.D
Dilution: 1.0		Initial Weight/Volume: 30.32 g
Analysis Date: 01/29/2012 1738		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		0.032		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		0.083		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	79		10 - 117
2-Fluorobiphenyl	66		16 - 110
Terphenyl-d14	92		10 - 194

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

Client Sample ID: **SB0058: TK14:Field Duplicate**

Lab Sample ID: 510-74911-7

Date Sampled: 01/25/2012 0950

Client Matrix: Solid

% Moisture: 5.3

Date Received: 01/25/2012 1335

## 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3688.D
Dilution: 1.0		Initial Weight/Volume: 30.55 g
Analysis Date: 01/29/2012 1756		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		<0.021		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		<0.021		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	68		10 - 117
2-Fluorobiphenyl	56		16 - 110
Terphenyl-d14	84		10 - 194

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Stockpile**

Lab Sample ID: 510-74911-8

Date Sampled: 01/25/2012 1030

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

## 8270C SIM Semivolatile Organic Compounds (GC/MS SIM)

Analysis Method: 8270C SIM	Analysis Batch: 510-93035	Instrument ID: SMSA
Prep Method: 3546	Prep Batch: 510-92897	Lab File ID: D3689.D
Dilution: 1.0		Initial Weight/Volume: 30.30 g
Analysis Date: 01/29/2012 1814		Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.021		0.021
Acenaphthylene		<0.021		0.021
Anthracene		<0.021		0.021
Benzo[a]anthracene		<0.021		0.021
Benzo[a]pyrene		<0.021		0.021
Benzo[b]fluoranthene		<0.021		0.021
Benzo[g,h,i]perylene		<0.021		0.021
Benzo[k]fluoranthene		0.066		0.021
Chrysene		<0.021		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		<0.021		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		<0.021		0.021
Naphthalene		<0.021		0.021
Phenanthrene		<0.021		0.021
Pyrene		<0.021		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Nitrobenzene-d5	74		10 - 117
2-Fluorobiphenyl	66		16 - 110
Terphenyl-d14	82		10 - 194

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW1:030040**

Lab Sample ID: 510-74911-1

Date Sampled: 01/25/2012 0900

Client Matrix: Solid

% Moisture: 3.8

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 5.7126 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1515		Injection Volume:
Prep Date: 01/25/2012 0900		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.037		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	96		51 - 117
a,a,a-Trifluorotoluene	92		64 - 116



# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW2:030040**

Lab Sample ID: 510-74911-2

Date Sampled: 01/25/2012 0910

Client Matrix: Solid

% Moisture: 5.0

Date Received: 01/25/2012 1335

---

## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 4.9365 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1550		Injection Volume:
Prep Date: 01/25/2012 0910		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.049		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		51 - 117
a,a,a-Trifluorotoluene	91		64 - 116

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW3:030040**

Lab Sample ID: 510-74911-3

Date Sampled: 01/25/2012 0925

Client Matrix: Solid

% Moisture: 8.4

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 5.0388 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1626		Injection Volume:
Prep Date: 01/25/2012 0925		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		<0.022		0.022

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		51 - 117
a,a,a-Trifluorotoluene	86		64 - 116

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW4:030040**

Lab Sample ID: 510-74911-4

Date Sampled: 01/25/2012 0940

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 5.353 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1701		Injection Volume:
Prep Date: 01/25/2012 0940		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.030		0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	98		51 - 117
a,a,a-Trifluorotoluene	93		64 - 116

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR1:050055**

Lab Sample ID: 510-74911-5

Date Sampled: 01/25/2012 1000

Client Matrix: Solid

% Moisture: 3.7

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139318	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139245	Initial Weight/Volume: 4.802 g
Dilution: 50		Final Weight/Volume: 10 mL
Analysis Date: 01/27/2012 1031		Injection Volume:
Prep Date: 01/25/2012 1000		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		7.4		2.2

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	107		70 - 130
a,a,a-Trifluorotoluene	101		70 - 130

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR2:050055**

Lab Sample ID: 510-74911-6

Date Sampled: 01/25/2012 1015

Client Matrix: Solid

% Moisture: 6.0

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 5.8169 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1737		Injection Volume:
Prep Date: 01/25/2012 1015		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.027		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	95		51 - 117
a,a,a-Trifluorotoluene	92		64 - 116

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Field Duplicate**

Lab Sample ID: 510-74911-7

Date Sampled: 01/25/2012 0950

Client Matrix: Solid

% Moisture: 5.3

Date Received: 01/25/2012 1335

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## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 4.4394 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1812		Injection Volume:
Prep Date: 01/25/2012 0950		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.057		0.024

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	81		51 - 117
a,a,a-Trifluorotoluene	86		64 - 116

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Stockpile**

Lab Sample ID: 510-74911-8

Date Sampled: 01/25/2012 1030

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

---

## 8015B Gasoline Range Organics - (GC)

Analysis Method: 8015B	Analysis Batch: 500-139321	Instrument ID: INST13-14
Prep Method: 5035	Prep Batch: 500-139247	Initial Weight/Volume: 4.5365 g
Dilution: 1.0		Final Weight/Volume: 5 mL
Analysis Date: 01/27/2012 1848		Injection Volume:
Prep Date: 01/25/2012 1030		Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.14		0.023

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	91		51 - 117
a,a,a-Trifluorotoluene	89		64 - 116

**Analytical Data**

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW1:030040**

Lab Sample ID: 510-74911-1

Date Sampled: 01/25/2012 0900

Client Matrix: Solid

% Moisture: 3.8

Date Received: 01/25/2012 1335

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**6010B Metals (ICP)**

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0290 g

Analysis Date: 01/28/2012 0229

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		2.6	RL

---



# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW2:030040**

Lab Sample ID: 510-74911-2

Date Sampled: 01/25/2012 0910

Client Matrix: Solid

% Moisture: 5.0

Date Received: 01/25/2012 1335

---

## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0476 g

Analysis Date: 01/28/2012 0235

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		3.1	RL

---

**Analytical Data**

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW3:030040**

Lab Sample ID: 510-74911-3

Date Sampled: 01/25/2012 0925

Client Matrix: Solid

% Moisture: 8.4

Date Received: 01/25/2012 1335

---

**6010B Metals (ICP)**

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0382 g

Analysis Date: 01/28/2012 0241

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		2.4	RL 0.53

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14SW4:030040**

Lab Sample ID: 510-74911-4

Date Sampled: 01/25/2012 0940

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

---

## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.1590 g

Analysis Date: 01/28/2012 0247

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		2.5	RL

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR1:050055**

Lab Sample ID: 510-74911-5

Date Sampled: 01/25/2012 1000

Client Matrix: Solid

% Moisture: 3.7

Date Received: 01/25/2012 1335

---

## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.1247 g

Analysis Date: 01/28/2012 0254

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		2.8	RL

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14FLR2:050055**

Lab Sample ID: 510-74911-6

Date Sampled: 01/25/2012 1015

Client Matrix: Solid

% Moisture: 6.0

Date Received: 01/25/2012 1335

---

## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0299 g

Analysis Date: 01/28/2012 0300

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		7.2	RL 0.52

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Field Duplicate**

Lab Sample ID: 510-74911-7

Date Sampled: 01/25/2012 0950

Client Matrix: Solid

% Moisture: 5.3

Date Received: 01/25/2012 1335

---

## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0063 g

Analysis Date: 01/28/2012 0306

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		3.3	RL

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Client Sample ID: SB0058: TK14:Stockpile**

Lab Sample ID: 510-74911-8

Date Sampled: 01/25/2012 1030

Client Matrix: Solid

% Moisture: 5.2

Date Received: 01/25/2012 1335

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## 6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 500-139460

Instrument ID: ICP5

Prep Method: 3050B

Prep Batch: 500-139296

Lab File ID: P50127C

Dilution: 1.0

Initial Weight/Volume: 1.0963 g

Analysis Date: 01/28/2012 0312

Final Weight/Volume: 100 mL

Prep Date: 01/26/2012 1650

---

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier
Lead		2.9	RL

---

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

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## General Chemistry

**Client Sample ID: SB0058: TK14SW1:030040**

Lab Sample ID: 510-74911-1

Date Sampled: 01/25/2012 0900

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	3.8		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N



Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

---

**General Chemistry**

**Client Sample ID: SB0058: TK14SW2:030040**

Lab Sample ID: 510-74911-2

Date Sampled: 01/25/2012 0910

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.0		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	95		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

---

## General Chemistry

**Client Sample ID: SB0058: TK14SW3:030040**

Lab Sample ID: 510-74911-3

Date Sampled: 01/25/2012 0925

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.4		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012 1648				DryWt Corrected: N
Percent Solids	92		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012 1648				DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

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**General Chemistry**

**Client Sample ID: SB0058: TK14SW4:030040**

Lab Sample ID: 510-74911-4

Date Sampled: 01/25/2012 0940

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.2		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	95		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

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## General Chemistry

**Client Sample ID: SB0058: TK14FLR1:050055**

Lab Sample ID: 510-74911-5

Date Sampled: 01/25/2012 1000

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	3.7		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N

# Analytical Data

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

---

## General Chemistry

**Client Sample ID: SB0058: TK14FLR2:050055**

Lab Sample ID: 510-74911-6

Date Sampled: 01/25/2012 1015

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	6.0		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	94		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

---

General Chemistry

Client Sample ID: SB0058: TK14:Field Duplicate

Lab Sample ID: 510-74911-7

Date Sampled: 01/25/2012 0950

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.3		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N
Percent Solids	95		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012	1648			DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

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**General Chemistry**

**Client Sample ID: SB0058: TK14:Stockpile**

Lab Sample ID: 510-74911-8

Date Sampled: 01/25/2012 1030

Client Matrix: Solid

Date Received: 01/25/2012 1335

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.2		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012 1648				DryWt Corrected: N
Percent Solids	95		%	0.10	1.0	Moisture
	Analysis Batch: 510-92882	Analysis Date: 01/25/2012 1648				DryWt Corrected: N

**Surrogate Recovery Report**

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-74911-1	SB0058: TK14SW1:030040	102	98	98
510-74911-2	SB0058: TK14SW2:030040	104	97	99
510-74911-3	SB0058: TK14SW3:030040	104	97	97
510-74911-4	SB0058: TK14SW4:030040	103	96	97
510-74911-5	SB0058: TK14FLR1:050055	104	96	98
510-74911-6	SB0058: TK14FLR2:050055	102	96	95
510-74911-7	SB0058: TK14:Field Duplicate	104	96	96
510-74911-8 RA	SB0058: TK14:Stockpile RA	103	97	99
MB 510-93020/15		102	97	99
MB 510-93034/6		102	98	98
LCS 510-93020/13		102	100	101
LCS 510-93034/4		102	100	99

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	76-137
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene (Surr)	50-150



Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Surrogate Recovery Report**

**8260B Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-74911-9	Trip Blank	90	100	107
MB 510-93022/7		89	99	101
LCS 510-93022/5		90	99	105

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	81-126
TOL = Toluene-d8 (Surr)	89-108
BFB = 4-Bromofluorobenzene (Surr)	77-132

**Surrogate Recovery Report**

**8270C SIM Semivolatile Organic Compounds (GC/MS SIM)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
510-74911-1	SB0058: TK14SW1:030040	70	56	80
510-74911-2	SB0058: TK14SW2:030040	68	56	78
510-74911-3	SB0058: TK14SW3:030040	71	61	80
510-74911-4	SB0058: TK14SW4:030040	73	61	85
510-74911-5	SB0058: TK14FLR1:050055	78	64	91
510-74911-6	SB0058: TK14FLR2:050055	79	66	92
510-74911-7	SB0058: TK14:Field Duplicate	68	56	84
510-74911-8	SB0058: TK14:Stockpile	74	66	82
MB 510-92897/1-A		62	58	85
LCS 510-92897/2-A		73	63	89
510-74911-1 MS	SB0058: TK14SW1:030040 MS	71	60	96
510-74911-1 MSD	SB0058: TK14SW1:030040 MSD	64	60	77

Surrogate	Acceptance Limits
NBZ = Nitrobenzene-d5	10-117
FBP = 2-Fluorobiphenyl	16-110
TPH = Terphenyl-d14	10-194

**Surrogate Recovery Report**

**8015B Gasoline Range Organics - (GC)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TFT1 %Rec	BFB1 %Rec
510-74911-1	SB0058: TK14SW1:030040	92	96
510-74911-2	SB0058: TK14SW2:030040	91	92
510-74911-3	SB0058: TK14SW3:030040	86	91
510-74911-4	SB0058: TK14SW4:030040	93	98
510-74911-6	SB0058: TK14FLR2:050055	92	95
510-74911-7	SB0058: TK14:Field Duplicate	86	81
510-74911-8	SB0058: TK14:Stockpile	89	91
MB 500-139321/3		102	109
LCS 500-139321/4		104	112
LCSD 500-139321/12		100	107

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	64-116
BFB = 4-Bromofluorobenzene	51-117

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Surrogate Recovery Report**

**8015B Gasoline Range Organics - (GC)**

**Client Matrix: Solid**

Lab Sample ID	Client Sample ID	TFT1 %Rec	BFB1 %Rec
510-74911-5	SB0058: TK14FLR1:050055	101	107
MB 500-139318/3		102	106
LCS 500-139318/4		105	111
510-74911-5 MS	SB0058: TK14FLR1:050055 MS	102	108
510-74911-5 MSD	SB0058: TK14FLR1:050055 MSD	102	108

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene	70-130
BFB = 4-Bromofluorobenzene	70-130

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Method Blank - Batch: 510-93020**

**Method: 8260B  
Preparation: N/A**

Lab Sample ID: MB 510-93020/15	Analysis Batch: 510-93020	Instrument ID: VMSA
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: E7364.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 01/28/2012 1347	Units: ug/Kg	Final Weight/Volume: 5 g
Prep Date: N/A		
Leach Date: N/A		

Analyte	Result	Qual	RL
Benzene	<5.0		5.0
Ethylbenzene	<5.0		5.0
Toluene	<5.0		5.0
Xylenes, Total	<10		10
Methyl tert-butyl ether	<5.0		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	97	70 - 130
4-Bromofluorobenzene (Surr)	99	50 - 150
1,2-Dichloroethane-d4 (Surr)	102	76 - 137

**Lab Control Sample - Batch: 510-93020**

**Method: 8260B  
Preparation: N/A**

Lab Sample ID: LCS 510-93020/13	Analysis Batch: 510-93020	Instrument ID: VMSA
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: E7362.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 01/28/2012 1238	Units: ug/Kg	Final Weight/Volume: 5 g
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	57.9	116	81 - 116	
Ethylbenzene	50.0	59.7	119	84 - 124	
Toluene	50.0	57.8	116	77 - 117	
Xylenes, Total	150	175	117	83 - 124	
Methyl tert-butyl ether	50.0	55.7	111	70 - 125	
o-Xylene	50.0	56.1	112	79 - 126	
m-Xylene & p-Xylene	100	119	119	80 - 127	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
4-Bromofluorobenzene (Surr)	101	50 - 150
1,2-Dichloroethane-d4 (Surr)	102	76 - 137

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### Method Blank - Batch: 510-93022

**Method: 8260B**  
**Preparation: 5030B**

Lab Sample ID: MB 510-93022/7	Analysis Batch: 510-93022	Instrument ID: VMSB
Client Matrix: Water	Prep Batch: N/A	Lab File ID: A7246.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 40 mL
Analysis Date: 01/28/2012 1012	Units: ug/L	Final Weight/Volume: 40 mL
Prep Date: 01/28/2012 1012		
Leach Date: N/A		

Analyte	Result	Qual	RL
Benzene	<5.0		5.0
Ethylbenzene	<5.0		5.0
Toluene	<5.0		5.0
Xylenes, Total	<10		10
Methyl tert-butyl ether	<5.0		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	101	77 - 132
1,2-Dichloroethane-d4 (Surr)	89	81 - 126

### Lab Control Sample - Batch: 510-93022

**Method: 8260B**  
**Preparation: 5030B**

Lab Sample ID: LCS 510-93022/5	Analysis Batch: 510-93022	Instrument ID: VMSB
Client Matrix: Water	Prep Batch: N/A	Lab File ID: A7244.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 40 mL
Analysis Date: 01/28/2012 0907	Units: ug/L	Final Weight/Volume: 40 mL
Prep Date: 01/28/2012 0907		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	55.6	111	78 - 117	
Ethylbenzene	50.0	56.9	114	78 - 125	
Toluene	50.0	55.3	111	76 - 114	
Xylenes, Total	150	162	108	80 - 127	
Methyl tert-butyl ether	50.0	54.6	109	70 - 130	
o-Xylene	50.0	52.7	105	78 - 121	
m-Xylene & p-Xylene	100	110	110	77 - 123	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	105	77 - 132
1,2-Dichloroethane-d4 (Surr)	90	81 - 126

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Method Blank - Batch: 510-93034

**Method: 8260B**  
**Preparation: N/A**

Lab Sample ID:	MB 510-93034/6	Analysis Batch:	510-93034	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E7380.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	01/29/2012 1149	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Benzene	<5.0		5.0
Ethylbenzene	<5.0		5.0
Toluene	<5.0		5.0
Xylenes, Total	<10		10
Methyl tert-butyl ether	<5.0		5.0

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	98	70 - 130
4-Bromofluorobenzene (Surr)	98	50 - 150
1,2-Dichloroethane-d4 (Surr)	102	76 - 137

## Lab Control Sample - Batch: 510-93034

**Method: 8260B**  
**Preparation: N/A**

Lab Sample ID:	LCS 510-93034/4	Analysis Batch:	510-93034	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E7378.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	01/29/2012 1034	Units:	ug/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	56.8	114	81 - 116	
Ethylbenzene	50.0	58.8	118	84 - 124	
Toluene	50.0	56.7	113	77 - 117	
Xylenes, Total	150	173	115	83 - 124	
Methyl tert-butyl ether	50.0	53.9	108	70 - 125	
o-Xylene	50.0	55.3	111	79 - 126	
m-Xylene & p-Xylene	100	118	118	80 - 127	

Surrogate	% Rec	Acceptance Limits
Toluene-d8 (Surr)	100	70 - 130
4-Bromofluorobenzene (Surr)	99	50 - 150
1,2-Dichloroethane-d4 (Surr)	102	76 - 137

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Method Blank - Batch: 510-92897**

**Method: 8270C SIM**

**Preparation: 3546**

Lab Sample ID: MB 510-92897/1-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Analysis Date: 01/29/2012 1452  
 Prep Date: 01/26/2012 0811  
 Leach Date: N/A

Analysis Batch: 510-93035  
 Prep Batch: 510-92897  
 Leach Batch: N/A  
 Units: mg/Kg

Instrument ID: SMSA  
 Lab File ID: D3678.D  
 Initial Weight/Volume: 30 g  
 Final Weight/Volume: 1 mL  
 Injection Volume: 1 uL

Analyte	Result	Qual	RL
Acenaphthene	<0.020		0.020
Acenaphthylene	<0.020		0.020
Anthracene	<0.020		0.020
Benzo[a]anthracene	<0.020		0.020
Benzo[a]pyrene	<0.020		0.020
Benzo[b]fluoranthene	<0.020		0.020
Benzo[g,h,i]perylene	<0.020		0.020
Benzo[k]fluoranthene	<0.020		0.020
Chrysene	<0.020		0.020
Dibenz(a,h)anthracene	<0.020		0.020
Fluoranthene	<0.020		0.020
Fluorene	<0.020		0.020
Indeno[1,2,3-cd]pyrene	<0.020		0.020
Naphthalene	<0.020		0.020
Phenanthrene	<0.020		0.020
Pyrene	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
Nitrobenzene-d5	62	10 - 117
2-Fluorobiphenyl	58	16 - 110
Terphenyl-d14	85	10 - 194



## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Lab Control Sample - Batch: 510-92897**

**Method: 8270C SIM**

**Preparation: 3546**

Lab Sample ID: LCS 510-92897/2-A	Analysis Batch: 510-93035	Instrument ID: SMSA
Client Matrix: Solid	Prep Batch: 510-92897	Lab File ID: D3679.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 30 g
Analysis Date: 01/29/2012 1510	Units: mg/Kg	Final Weight/Volume: 1 mL
Prep Date: 01/26/2012 0811		Injection Volume: 1 uL
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.24	74	10 - 118	
Acenaphthylene	1.67	1.05	63	10 - 151	
Anthracene	1.67	1.33	80	16 - 148	
Benzo[a]anthracene	1.67	1.35	81	15 - 154	
Benzo[a]pyrene	1.67	1.40	84	19 - 168	
Benzo[b]fluoranthene	1.67	1.66	100	14 - 152	
Benzo[g,h,i]perylene	1.67	1.50	90	21 - 112	
Benzo[k]fluoranthene	1.67	1.23	74	24 - 116	
Chrysene	1.67	1.41	85	29 - 107	
Dibenz(a,h)anthracene	1.67	1.41	84	34 - 107	
Fluoranthene	1.67	1.21	72	29 - 120	
Fluorene	1.67	1.21	73	28 - 110	
Indeno[1,2,3-cd]pyrene	1.67	1.43	86	27 - 110	
Naphthalene	1.67	1.13	68	10 - 106	
Phenanthrene	1.67	1.35	81	22 - 115	
Pyrene	1.67	1.36	82	26 - 120	
Surrogate		% Rec		Acceptance Limits	
Nitrobenzene-d5		73		10 - 117	
2-Fluorobiphenyl		63		16 - 110	
Terphenyl-d14		89		10 - 194	

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 510-92897**

**Method: 8270C SIM  
Preparation: 3546**

MS Lab Sample ID: 510-74911-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/29/2012 1547  
Prep Date: 01/26/2012 0811  
Leach Date: N/A

Analysis Batch: 510-93035  
Prep Batch: 510-92897  
Leach Batch: N/A

Instrument ID: SMSA  
Lab File ID: D3681.D  
Initial Weight/Volume: 30.18 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

MSD Lab Sample ID: 510-74911-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/29/2012 1606  
Prep Date: 01/26/2012 0811  
Leach Date: N/A

Analysis Batch: 510-93035  
Prep Batch: 510-92897  
Leach Batch: N/A

Instrument ID: SMSA  
Lab File ID: D3682.D  
Initial Weight/Volume: 30.17 g  
Final Weight/Volume: 1 mL  
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	71	66	10 - 118	8	25		
Acenaphthylene	61	57	10 - 151	6	25		
Anthracene	78	71	16 - 148	9	25		
Benzo[a]anthracene	81	72	15 - 154	11	25		
Benzo[a]pyrene	81	78	19 - 168	4	25		
Benzo[b]fluoranthene	121	92	14 - 152	28	25		F
Benzo[g,h,i]perylene	82	79	21 - 112	4	25		
Benzo[k]fluoranthene	64	67	24 - 116	4	25		
Chrysene	86	79	29 - 107	9	25		
Dibenz(a,h)anthracene	75	74	34 - 107	1	25		
Fluoranthene	66	69	29 - 120	5	25		
Fluorene	70	64	28 - 110	9	25		
Indeno[1,2,3-cd]pyrene	81	78	27 - 110	3	25		
Naphthalene	66	62	10 - 106	6	25		
Phenanthrene	75	71	22 - 115	5	25		
Pyrene	94	75	26 - 120	22	25		
Surrogate		MS % Rec	MSD % Rec		Acceptance Limits		
Nitrobenzene-d5		71	64		10 - 117		
2-Fluorobiphenyl		60	60		16 - 110		
Terphenyl-d14		96	77		10 - 194		

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 510-92897**

**Method: 8270C SIM  
Preparation: 3546**

MS Lab Sample ID: 510-74911-1                      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/29/2012 1547  
Prep Date: 01/26/2012 0811  
Leach Date: N/A

MSD Lab Sample ID: 510-74911-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/29/2012 1606  
Prep Date: 01/26/2012 0811  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Acenaphthene	<0.021	1.72	1.72	1.23	1.14
Acenaphthylene	<0.021	1.72	1.72	1.04	0.982
Anthracene	<0.021	1.72	1.72	1.35	1.23
Benzo[a]anthracene	<0.021	1.72	1.72	1.39	1.24
Benzo[a]pyrene	<0.021	1.72	1.72	1.40	1.34
Benzo[b]fluoranthene	<0.021	1.72	1.72	2.08	1.58
Benzo[g,h,i]perylene	<0.021	1.72	1.72	1.41	1.35
Benzo[k]fluoranthene	<0.021	1.72	1.72	1.11	1.15
Chrysene	<0.021	1.72	1.72	1.48	1.36
Dibenz(a,h)anthracene	<0.021	1.72	1.72	1.28	1.27
Fluoranthene	<0.021	1.72	1.72	1.14	1.20
Fluorene	<0.021	1.72	1.72	1.21	1.10
Indeno[1,2,3-cd]pyrene	<0.021	1.72	1.72	1.39	1.35
Naphthalene	<0.021	1.72	1.72	1.13	1.07
Phenanthrene	<0.021	1.72	1.72	1.29	1.22
Pyrene	<0.021	1.72	1.72	1.62	1.30

F

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 500-139245**

**Method: 8015B  
Preparation: 5035**

MS Lab Sample ID: 510-74911-5  
Client Matrix: Solid  
Dilution: 50  
Analysis Date: 01/27/2012 1106  
Prep Date: 01/25/2012 1000  
Leach Date: N/A

Analysis Batch: 500-139318  
Prep Batch: 500-139245  
Leach Batch: N/A

Instrument ID: INST13-14  
Lab File ID: 01271214\_006.d  
Initial Weight/Volume: 4.802 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

MSD Lab Sample ID: 510-74911-5  
Client Matrix: Solid  
Dilution: 50  
Analysis Date: 01/27/2012 1142  
Prep Date: 01/25/2012 1000  
Leach Date: N/A

Analysis Batch: 500-139318  
Prep Batch: 500-139245  
Leach Batch: N/A

Instrument ID: INST13-14  
Lab File ID: 01271214\_007.d  
Initial Weight/Volume: 4.802 g  
Final Weight/Volume: 10 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
C5-C12	111	108	70 - 130	3	30		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
4-Bromofluorobenzene		108	108			70 - 130	
a,a,a-Trifluorotoluene		102	102			70 - 130	

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 500-139245**

**Method: 8015B  
Preparation: 5035**

MS Lab Sample ID: 510-74911-5  
Client Matrix: Solid  
Dilution: 50  
Analysis Date: 01/27/2012 1106  
Prep Date: 01/25/2012 1000  
Leach Date: N/A

Units: mg/Kg

MSD Lab Sample ID: 510-74911-5  
Client Matrix: Solid  
Dilution: 50  
Analysis Date: 01/27/2012 1142  
Prep Date: 01/25/2012 1000  
Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C5-C12	7.4	43.3	43.3	55.4	53.9

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Method Blank - Batch: 500-139318**

**Method: 8015B  
Preparation: N/A**

Lab Sample ID: MB 500-139318/3	Analysis Batch: 500-139318	Instrument ID: INST13-14
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 01271214_003.d
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 01/27/2012 0920	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

Analyte	Result	Qual	RL
C5-C12	<1.0		1.0

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	106	70 - 130
a,a,a-Trifluorotoluene	102	70 - 130

**Lab Control Sample - Batch: 500-139318**

**Method: 8015B  
Preparation: N/A**

Lab Sample ID: LCS 500-139318/4	Analysis Batch: 500-139318	Instrument ID: INST13-14
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 01271214_004.d
Dilution: 50	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 01/27/2012 0955	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C5-C12	20.0	22.2	111	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	111	70 - 130
a,a,a-Trifluorotoluene	105	70 - 130

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Method Blank - Batch: 500-139321**

**Method: 8015B  
Preparation: N/A**

Lab Sample ID: MB 500-139321/3	Analysis Batch: 500-139321	Instrument ID: INST13-14
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 01271214_011.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 01/27/2012 1404	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

Analyte	Result	Qual	RL
C5-C12	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	109	51 - 117
a,a,a-Trifluorotoluene	102	64 - 116

**Lab Control Sample/**

**Method: 8015B  
Preparation: N/A**

**Lab Control Sample Duplicate Recovery Report - Batch: 500-139321**

LCS Lab Sample ID: LCS 500-139321/4	Analysis Batch: 500-139321	Instrument ID: INST13-14
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 01271214_012.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 01/27/2012 1439	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 500-139321/12	Analysis Batch: 500-139321	Instrument ID: INST13-14
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: 01271214_020.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 g
Analysis Date: 01/27/2012 1923	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
C5-C12	111	107	70 - 130	3	30		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
4-Bromofluorobenzene	112	107			51 - 117		
a,a,a-Trifluorotoluene	104	100			64 - 116		

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Laboratory Control/  
Laboratory Duplicate Data Report - Batch: 500-139321**

**Method: 8015B  
Preparation: N/A**

LCS Lab Sample ID: LCS 500-139321/4      Units: mg/Kg  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/27/2012 1439  
Prep Date: N/A  
Leach Date: N/A

LCSD Lab Sample ID: LCSD 500-139321/12  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/27/2012 1923  
Prep Date: N/A  
Leach Date: N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
C5-C12	0.400	0.400	0.442	0.429

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Method Blank - Batch: 500-139296

**Method: 6010B**  
**Preparation: 3050B**

Lab Sample ID:	MB 500-139296/1-A	Analysis Batch:	500-139460	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	500-139296	Lab File ID:	P50127C
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	01/28/2012 0216	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	01/26/2012 1650				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Lead	<0.50		0.50

## Lab Control Sample - Batch: 500-139296

**Method: 6010B**  
**Preparation: 3050B**

Lab Sample ID:	LCS 500-139296/2-A	Analysis Batch:	500-139460	Instrument ID:	ICP5
Client Matrix:	Solid	Prep Batch:	500-139296	Lab File ID:	P50127C
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1 g
Analysis Date:	01/28/2012 0222	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	01/26/2012 1650				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	10.0	9.39	94	80 - 120	



# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Method Blank - Batch: 510-92882

### Method: Moisture Preparation: N/A

Lab Sample ID: MB 510-92882/1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/25/2012 1648  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 510-92882  
Prep Batch: N/A  
Leach Batch: N/A  
Units: %

Instrument ID: No Equipment  
Lab File ID: N/A  
Initial Weight/Volume:  
Final Weight/Volume:

Analyte	Result	Qual	RL
Percent Moisture	100		0.10
Percent Solids	0.022		0.10

## Duplicate - Batch: 510-92882

### Method: Moisture Preparation: N/A

Lab Sample ID: 510-74911-1  
Client Matrix: Solid  
Dilution: 1.0  
Analysis Date: 01/25/2012 1648  
Prep Date: N/A  
Leach Date: N/A

Analysis Batch: 510-92882  
Prep Batch: N/A  
Leach Batch: N/A  
Units: %

Instrument ID: No Equipment  
Lab File ID: N/A  
Initial Weight/Volume:  
Final Weight/Volume:

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	3.8	3.3	14	20	
Percent Solids	96	97	0.5	20	

## DATA REPORTING QUALIFIERS

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS Semi VOA	F	RPD of the MS and MSD exceeds the control limits

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:510-93020</b>					
LCS 510-93020/13	Lab Control Sample	T	Solid	8260B	
MB 510-93020/15	Method Blank	T	Solid	8260B	
510-74911-1	SB0058: TK14SW1:030040	T	Solid	8260B	510-93027
510-74911-2	SB0058: TK14SW2:030040	T	Solid	8260B	510-93027
510-74911-3	SB0058: TK14SW3:030040	T	Solid	8260B	510-93027
510-74911-4	SB0058: TK14SW4:030040	T	Solid	8260B	510-93027
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	8260B	510-93027
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	8260B	510-93027
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	8260B	510-93027
<b>Analysis Batch:510-93022</b>					
LCS 510-93022/5	Lab Control Sample	T	Water	8260B	
MB 510-93022/7	Method Blank	T	Water	8260B	
510-74911-9	Trip Blank	T	Water	8260B	
<b>Prep Batch: 510-93027</b>					
510-74911-1	SB0058: TK14SW1:030040	T	Solid	5035	
510-74911-2	SB0058: TK14SW2:030040	T	Solid	5035	
510-74911-3	SB0058: TK14SW3:030040	T	Solid	5035	
510-74911-4	SB0058: TK14SW4:030040	T	Solid	5035	
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	5035	
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	5035	
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	5035	
<b>Analysis Batch:510-93034</b>					
LCS 510-93034/4	Lab Control Sample	T	Solid	8260B	
MB 510-93034/6	Method Blank	T	Solid	8260B	
510-74911-8RA	SB0058: TK14:Stockpile	T	Solid	8260B	510-93037
<b>Prep Batch: 510-93037</b>					
510-74911-8RA	SB0058: TK14:Stockpile	T	Solid	5035	

**Report Basis**

T = Total

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS Semi VOA</b>					
<b>Prep Batch: 510-92897</b>					
LCS 510-92897/2-A	Lab Control Sample	T	Solid	3546	
MB 510-92897/1-A	Method Blank	T	Solid	3546	
510-74911-1	SB0058: TK14SW1:030040	T	Solid	3546	
510-74911-1MS	Matrix Spike	T	Solid	3546	
510-74911-1MSD	Matrix Spike Duplicate	T	Solid	3546	
510-74911-2	SB0058: TK14SW2:030040	T	Solid	3546	
510-74911-3	SB0058: TK14SW3:030040	T	Solid	3546	
510-74911-4	SB0058: TK14SW4:030040	T	Solid	3546	
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	3546	
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	3546	
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	3546	
510-74911-8	SB0058: TK14:Stockpile	T	Solid	3546	
<b>Analysis Batch:510-93035</b>					
LCS 510-92897/2-A	Lab Control Sample	T	Solid	8270C SIM	510-92897
MB 510-92897/1-A	Method Blank	T	Solid	8270C SIM	510-92897
510-74911-1	SB0058: TK14SW1:030040	T	Solid	8270C SIM	510-92897
510-74911-1MS	Matrix Spike	T	Solid	8270C SIM	510-92897
510-74911-1MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	510-92897
510-74911-2	SB0058: TK14SW2:030040	T	Solid	8270C SIM	510-92897
510-74911-3	SB0058: TK14SW3:030040	T	Solid	8270C SIM	510-92897
510-74911-4	SB0058: TK14SW4:030040	T	Solid	8270C SIM	510-92897
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	8270C SIM	510-92897
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	8270C SIM	510-92897
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	8270C SIM	510-92897
510-74911-8	SB0058: TK14:Stockpile	T	Solid	8270C SIM	510-92897

**Report Basis**

T = Total

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC VOA</b>					
<b>Prep Batch: 500-139245</b>					
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	5035	
510-74911-5MS	Matrix Spike	T	Solid	5035	
510-74911-5MSD	Matrix Spike Duplicate	T	Solid	5035	
<b>Prep Batch: 500-139247</b>					
510-74911-1	SB0058: TK14SW1:030040	T	Solid	5035	
510-74911-2	SB0058: TK14SW2:030040	T	Solid	5035	
510-74911-3	SB0058: TK14SW3:030040	T	Solid	5035	
510-74911-4	SB0058: TK14SW4:030040	T	Solid	5035	
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	5035	
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	5035	
510-74911-8	SB0058: TK14:Stockpile	T	Solid	5035	
<b>Analysis Batch:500-139318</b>					
LCS 500-139318/4	Lab Control Sample	T	Solid	8015B	
MB 500-139318/3	Method Blank	T	Solid	8015B	
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	8015B	500-139245
510-74911-5MS	Matrix Spike	T	Solid	8015B	500-139245
510-74911-5MSD	Matrix Spike Duplicate	T	Solid	8015B	500-139245
<b>Analysis Batch:500-139321</b>					
LCS 500-139321/4	Lab Control Sample	T	Solid	8015B	
LCSD 500-139321/12	Lab Control Sample Duplicate	T	Solid	8015B	
MB 500-139321/3	Method Blank	T	Solid	8015B	
510-74911-1	SB0058: TK14SW1:030040	T	Solid	8015B	500-139247
510-74911-2	SB0058: TK14SW2:030040	T	Solid	8015B	500-139247
510-74911-3	SB0058: TK14SW3:030040	T	Solid	8015B	500-139247
510-74911-4	SB0058: TK14SW4:030040	T	Solid	8015B	500-139247
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	8015B	500-139247
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	8015B	500-139247
510-74911-8	SB0058: TK14:Stockpile	T	Solid	8015B	500-139247

**Report Basis**

T = Total

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
<b>Metals</b>					
<b>Prep Batch: 500-139296</b>					
LCS 500-139296/2-A	Lab Control Sample	T	Solid	3050B	
MB 500-139296/1-A	Method Blank	T	Solid	3050B	
510-74911-1	SB0058: TK14SW1:030040	T	Solid	3050B	
510-74911-2	SB0058: TK14SW2:030040	T	Solid	3050B	
510-74911-3	SB0058: TK14SW3:030040	T	Solid	3050B	
510-74911-4	SB0058: TK14SW4:030040	T	Solid	3050B	
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	3050B	
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	3050B	
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	3050B	
510-74911-8	SB0058: TK14:Stockpile	T	Solid	3050B	
<b>Analysis Batch:500-139460</b>					
LCS 500-139296/2-A	Lab Control Sample	T	Solid	6010B	500-139296
MB 500-139296/1-A	Method Blank	T	Solid	6010B	500-139296
510-74911-1	SB0058: TK14SW1:030040	T	Solid	6010B	500-139296
510-74911-2	SB0058: TK14SW2:030040	T	Solid	6010B	500-139296
510-74911-3	SB0058: TK14SW3:030040	T	Solid	6010B	500-139296
510-74911-4	SB0058: TK14SW4:030040	T	Solid	6010B	500-139296
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	6010B	500-139296
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	6010B	500-139296
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	6010B	500-139296
510-74911-8	SB0058: TK14:Stockpile	T	Solid	6010B	500-139296
<b>Report Basis</b>					
T = Total					
<b>General Chemistry</b>					
<b>Analysis Batch:510-92882</b>					
MB 510-92882/1	Method Blank	T	Solid	Moisture	
510-74911-1	SB0058: TK14SW1:030040	T	Solid	Moisture	
510-74911-1DU	Duplicate	T	Solid	Moisture	
510-74911-2	SB0058: TK14SW2:030040	T	Solid	Moisture	
510-74911-3	SB0058: TK14SW3:030040	T	Solid	Moisture	
510-74911-4	SB0058: TK14SW4:030040	T	Solid	Moisture	
510-74911-5	SB0058: TK14FLR1:050055	T	Solid	Moisture	
510-74911-6	SB0058: TK14FLR2:050055	T	Solid	Moisture	
510-74911-7	SB0058: TK14:Field Duplicate	T	Solid	Moisture	
510-74911-8	SB0058: TK14:Stockpile	T	Solid	Moisture	
<b>Report Basis</b>					
T = Total					

TestAmerica Valparaiso

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### Laboratory Chronicle

Lab ID: 510-74911-1

Client ID: SB0058: TK14SW1:030040

Sample Date/Time: 01/25/2012 09:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	510-74911-A-1-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-1-A		510-93020	510-93027	01/28/2012	14:21	1	TAL VAL	JLH
P:3546	510-74911-H-1-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-1-A		510-93035	510-92897	01/29/2012	15:29	1	TAL VAL	WDS
P:5035	510-74911-D-1-A		500-139321	500-139247	01/25/2012	09:00	1	TAL CHI	WRE
A:8015B	510-74911-D-1-A		500-139321	500-139247	01/27/2012	15:15	1	TAL CHI	WRE
P:3050B	510-74911-G-1-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-1-A		500-139460	500-139296	01/28/2012	02:29	1	TAL CHI	TDS
A:Moisture	510-74911-H-1		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-1 MS

Client ID: SB0058: TK14SW1:030040

Sample Date/Time: 01/25/2012 09:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	510-74911-H-1-B MS		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-1-B MS		510-93035	510-92897	01/29/2012	15:47	1	TAL VAL	WDS

Lab ID: 510-74911-1 MSD

Client ID: SB0058: TK14SW1:030040

Sample Date/Time: 01/25/2012 09:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:3546	510-74911-H-1-C MSD		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-1-C MSD		510-93035	510-92897	01/29/2012	16:06	1	TAL VAL	WDS

Lab ID: 510-74911-1 DU

Client ID: SB0058: TK14SW1:030040

Sample Date/Time: 01/25/2012 09:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
A:Moisture	510-74911-H-1 DU		510-92882		01/25/2012	16:48	1	TAL VAL	KT

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Laboratory Chronicle

Lab ID: 510-74911-2

Client ID: SB0058: TK14SW2:030040

Sample Date/Time: 01/25/2012 09:10 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-A-2-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-2-A		510-93020	510-93027	01/28/2012	14:56	1	TAL VAL	JLH
P:3546	510-74911-H-2-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-2-A		510-93035	510-92897	01/29/2012	16:24	1	TAL VAL	WDS
P:5035	510-74911-D-2-A		500-139321	500-139247	01/25/2012	09:10	1	TAL CHI	WRE
A:8015B	510-74911-D-2-A		500-139321	500-139247	01/27/2012	15:50	1	TAL CHI	WRE
P:3050B	510-74911-G-2-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-2-A		500-139460	500-139296	01/28/2012	02:35	1	TAL CHI	TDS
A:Moisture	510-74911-H-2		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-3

Client ID: SB0058: TK14SW3:030040

Sample Date/Time: 01/25/2012 09:25 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-A-3-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-3-A		510-93020	510-93027	01/28/2012	15:30	1	TAL VAL	JLH
P:3546	510-74911-H-3-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-3-A		510-93035	510-92897	01/29/2012	16:42	1	TAL VAL	WDS
P:5035	510-74911-D-3-A		500-139321	500-139247	01/25/2012	09:25	1	TAL CHI	WRE
A:8015B	510-74911-D-3-A		500-139321	500-139247	01/27/2012	16:26	1	TAL CHI	WRE
P:3050B	510-74911-G-3-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-3-A		500-139460	500-139296	01/28/2012	02:41	1	TAL CHI	TDS
A:Moisture	510-74911-H-3		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-4

Client ID: SB0058: TK14SW4:030040

Sample Date/Time: 01/25/2012 09:40 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-A-4-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-4-A		510-93020	510-93027	01/28/2012	16:04	1	TAL VAL	JLH
P:3546	510-74911-H-4-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-4-A		510-93035	510-92897	01/29/2012	17:01	1	TAL VAL	WDS
P:5035	510-74911-D-4-A		500-139321	500-139247	01/25/2012	09:40	1	TAL CHI	WRE
A:8015B	510-74911-D-4-A		500-139321	500-139247	01/27/2012	17:01	1	TAL CHI	WRE
P:3050B	510-74911-G-4-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-4-A		500-139460	500-139296	01/28/2012	02:47	1	TAL CHI	TDS
A:Moisture	510-74911-H-4		510-92882		01/25/2012	16:48	1	TAL VAL	KT



# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Laboratory Chronicle

Lab ID: 510-74911-5

Client ID: SB0058: TK14FLR1:050055

Sample Date/Time: 01/25/2012 10:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-A-5-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-5-A		510-93020	510-93027	01/28/2012	16:38	1	TAL VAL	JLH
P:3546	510-74911-H-5-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-5-A		510-93035	510-92897	01/29/2012	17:19	1	TAL VAL	WDS
P:5035	510-74911-F-5-A		500-139318	500-139245	01/25/2012	10:00	50	TAL CHI	WRE
A:8015B	510-74911-F-5-A		500-139318	500-139245	01/27/2012	10:31	50	TAL CHI	WRE
P:3050B	510-74911-G-5-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-5-A		500-139460	500-139296	01/28/2012	02:54	1	TAL CHI	TDS
A:Moisture	510-74911-H-5		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-5 MS

Client ID: SB0058: TK14FLR1:050055

Sample Date/Time: 01/25/2012 10:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-F-5-A MS		500-139318	500-139245	01/25/2012	10:00	50	TAL CHI	WRE
A:8015B	510-74911-F-5-A MS		500-139318	500-139245	01/27/2012	11:06	50	TAL CHI	WRE

Lab ID: 510-74911-5 MSD

Client ID: SB0058: TK14FLR1:050055

Sample Date/Time: 01/25/2012 10:00 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-F-5-A MSD		500-139318	500-139245	01/25/2012	10:00	50	TAL CHI	WRE
A:8015B	510-74911-F-5-A MSD		500-139318	500-139245	01/27/2012	11:42	50	TAL CHI	WRE

Lab ID: 510-74911-6

Client ID: SB0058: TK14FLR2:050055

Sample Date/Time: 01/25/2012 10:15 Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	AnalYZed				
P:5035	510-74911-A-6-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-6-A		510-93020	510-93027	01/28/2012	17:13	1	TAL VAL	JLH
P:3546	510-74911-H-6-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-6-A		510-93035	510-92897	01/29/2012	17:38	1	TAL VAL	WDS
P:5035	510-74911-D-6-A		500-139321	500-139247	01/25/2012	10:15	1	TAL CHI	WRE
A:8015B	510-74911-D-6-A		500-139321	500-139247	01/27/2012	17:37	1	TAL CHI	WRE
P:3050B	510-74911-G-6-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-6-A		500-139460	500-139296	01/28/2012	03:00	1	TAL CHI	TDS
A:Moisture	510-74911-H-6		510-92882		01/25/2012	16:48	1	TAL VAL	KT

## Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

### Laboratory Chronicle

Lab ID: 510-74911-7

Client ID: SB0058: TK14:Field Duplicate

Sample Date/Time: 01/25/2012 09:50    Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	510-74911-A-7-A		510-93020	510-93027	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-A-7-A		510-93020	510-93027	01/28/2012	17:47	1	TAL VAL	JLH
P:3546	510-74911-H-7-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-7-A		510-93035	510-92897	01/29/2012	17:56	1	TAL VAL	WDS
P:5035	510-74911-D-7-A		500-139321	500-139247	01/25/2012	09:50	1	TAL CHI	WRE
A:8015B	510-74911-D-7-A		500-139321	500-139247	01/27/2012	18:12	1	TAL CHI	WRE
P:3050B	510-74911-G-7-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-7-A		500-139460	500-139296	01/28/2012	03:06	1	TAL CHI	TDS
A:Moisture	510-74911-H-7		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-8

Client ID: SB0058: TK14:Stockpile

Sample Date/Time: 01/25/2012 10:30    Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5035	510-74911-B-8-A	RA	510-93034	510-93037	01/26/2012	17:00	1	TAL VAL	JLH
A:8260B	510-74911-B-8-A	RA	510-93034	510-93037	01/29/2012	12:24	1	TAL VAL	JLH
P:3546	510-74911-H-8-A		510-93035	510-92897	01/26/2012	08:11	1	TAL VAL	SNP
A:8270C SIM	510-74911-H-8-A		510-93035	510-92897	01/29/2012	18:14	1	TAL VAL	WDS
P:5035	510-74911-D-8-A		500-139321	500-139247	01/25/2012	10:30	1	TAL CHI	WRE
A:8015B	510-74911-D-8-A		500-139321	500-139247	01/27/2012	18:48	1	TAL CHI	WRE
P:3050B	510-74911-G-8-A		500-139460	500-139296	01/26/2012	16:50	1	TAL CHI	PJ
A:6010B	510-74911-G-8-A		500-139460	500-139296	01/28/2012	03:12	1	TAL CHI	TDS
A:Moisture	510-74911-H-8		510-92882		01/25/2012	16:48	1	TAL VAL	KT

Lab ID: 510-74911-9

Client ID: Trip Blank

Sample Date/Time: 01/25/2012 08:35    Received Date/Time: 01/25/2012 13:35

Method	Bottle ID	Run	Analysis		Date Prepared /		Dil	Lab	Analyst
			Batch	Prep Batch	Analyzed				
P:5030B	510-74911-A-9		510-93022		01/28/2012	10:43	1	TAL VAL	JLH
A:8260B	510-74911-A-9		510-93022		01/28/2012	10:43	1	TAL VAL	JLH

# Quality Control Results

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

## Laboratory Chronicle

Lab ID: MB

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 510-93022/7		510-93022		01/28/2012 10:12	1	TAL VAL	JLH
A:8260B	MB 510-93022/7		510-93022		01/28/2012 10:12	1	TAL VAL	JLH
A:8260B	MB 510-93020/15		510-93020		01/28/2012 13:47	1	TAL VAL	JLH
A:8260B	MB 510-93034/6		510-93034		01/29/2012 11:49	1	TAL VAL	JLH
P:3546	MB 510-92897/1-A		510-93035	510-92897	01/26/2012 08:11	1	TAL VAL	SNP
A:8270C SIM	MB 510-92897/1-A		510-93035	510-92897	01/29/2012 14:52	1	TAL VAL	WDS
A:8015B	MB 500-139318/3		500-139318		01/27/2012 09:20	50	TAL CHI	WRE
A:8015B	MB 500-139321/3		500-139321		01/27/2012 14:04	1	TAL CHI	WRE
P:3050B	MB 500-139296/1-A		500-139460	500-139296	01/26/2012 16:50	1	TAL CHI	PJ
A:6010B	MB 500-139296/1-A		500-139460	500-139296	01/28/2012 02:16	1	TAL CHI	TDS
A:Moisture	MB 510-92882/1		510-92882		01/25/2012 16:48	1	TAL VAL	KT

Lab ID: LCS

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 510-93022/5		510-93022		01/28/2012 09:07	1	TAL VAL	JLH
A:8260B	LCS 510-93022/5		510-93022		01/28/2012 09:07	1	TAL VAL	JLH
A:8260B	LCS 510-93020/13		510-93020		01/28/2012 12:38	1	TAL VAL	JLH
A:8260B	LCS 510-93034/4		510-93034		01/29/2012 10:34	1	TAL VAL	JLH
P:3546	LCS 510-92897/2-A		510-93035	510-92897	01/26/2012 08:11	1	TAL VAL	SNP
A:8270C SIM	LCS 510-92897/2-A		510-93035	510-92897	01/29/2012 15:10	1	TAL VAL	WDS
A:8015B	LCS 500-139318/4		500-139318		01/27/2012 09:55	50	TAL CHI	WRE
A:8015B	LCS 500-139321/4		500-139321		01/27/2012 14:39	1	TAL CHI	WRE
P:3050B	LCS 500-139296/2-A		500-139460	500-139296	01/26/2012 16:50	1	TAL CHI	PJ
A:6010B	LCS 500-139296/2-A		500-139460	500-139296	01/28/2012 02:22	1	TAL CHI	TDS

Lab ID: LCSD

Client ID: N/A

Sample Date/Time: N/A

Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8015B	LCSD 500-139321/12		500-139321		01/27/2012 19:23	1	TAL CHI	WRE

### Lab References:

TAL CHI = TestAmerica Chicago

TAL VAL = TestAmerica Valparaiso

# Certification Summary

Client: Weaver Boos Consultants LLC  
 Project/Site: South Bend Former Studebaker Foundry

TestAmerica Job ID: 510-74911-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Valparaiso	Illinois	NELAC	5	200065
TestAmerica Valparaiso	Indiana	State Program	5	C-64-01
TestAmerica Valparaiso	Indiana	State Program	5	M-64-4
TestAmerica Valparaiso	Kentucky	Kentucky UST	4	57
TestAmerica Valparaiso	New Hampshire	NELAC	1	2837
TestAmerica Valparaiso	USDA	USDA		P330-11-00073
TestAmerica Valparaiso	Washington	State Program	10	C842
TestAmerica Chicago	Alabama	State Program	4	40461
TestAmerica Chicago	California	NELAC	9	01132CA
TestAmerica Chicago	Florida	NELAC	4	E871072
TestAmerica Chicago	Georgia	Georgia EPD	4	N/A
TestAmerica Chicago	Georgia	State Program	4	939
TestAmerica Chicago	Hawaii	State Program	9	N/A
TestAmerica Chicago	Illinois	NELAC	5	100201
TestAmerica Chicago	Indiana	State Program	5	C-IL-02
TestAmerica Chicago	Iowa	State Program	7	82
TestAmerica Chicago	Kansas	NELAC	7	E-10161
TestAmerica Chicago	Kentucky	Kentucky UST	4	66
TestAmerica Chicago	Kentucky	State Program	4	90023
TestAmerica Chicago	L-A-B	DoD ELAP		L2304
TestAmerica Chicago	L-A-B	ISO/IEC 17025		L2304
TestAmerica Chicago	Louisiana	NELAC	6	30720
TestAmerica Chicago	Massachusetts	State Program	1	M-IL035
TestAmerica Chicago	Mississippi	State Program	4	N/A
TestAmerica Chicago	North Carolina	North Carolina DENR	4	291
TestAmerica Chicago	Oklahoma	State Program	6	8908
TestAmerica Chicago	South Carolina	State Program	4	77001
TestAmerica Chicago	Texas	NELAC	6	T104704252-09-TX
TestAmerica Chicago	USDA	USDA		P330-12-00038
TestAmerica Chicago	Virginia	NELAC Secondary AB	3	460142
TestAmerica Chicago	Wisconsin	State Program	5	999580010
TestAmerica Chicago	Wyoming	State Program	8	8TMS-Q

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

# Method 8260B

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

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low  
 GC Column (1): 624/8260 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB0058: TK14SW1:030040	510-74911-1	102	98	98
SB0058: TK14SW2:030040	510-74911-2	104	97	99
SB0058: TK14SW3:030040	510-74911-3	104	97	97
SB0058: TK14SW4:030040	510-74911-4	103	96	97
SB0058: TK14FLR1:050055	510-74911-5	104	96	98
SB0058: TK14FLR2:050055	510-74911-6	102	96	95
SB0058: TK14:Field Duplicate	510-74911-7	104	96	96
SB0058: TK14:Stockpile RA	510-74911-8 RA	103	97	99
	MB 510-93020/15	102	97	99
	MB 510-93034/6	102	98	98
	LCS 510-93020/13	102	100	101
	LCS 510-93034/4	102	100	99

	<u>QC LIMITS</u>
DCA = 1,2-Dichloroethane-d4 (Surr)	76-137
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene (Surr)	50-150

# Column to be used to flag recovery values

FORM II  
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low

GC Column (1): 624/8260 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
Trip Blank	510-74911-9	90	100	107
	MB 510-93022/7	89	99	101
	LCS 510-93022/5	90	99	105

DCA = 1,2-Dichloroethane-d4 (Surr)  
TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)

QC LIMITS  
81-126  
89-108  
77-132

# Column to be used to flag recovery values

FORM II 8260B

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: E7362.D

Lab ID: LCS 510-93020/13 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzene	50.0	57.9	116	81-116	
Ethylbenzene	50.0	59.7	119	84-124	
Toluene	50.0	57.8	116	77-117	
Xylenes, Total	150	175	117	83-124	
Methyl tert-butyl ether	50.0	55.7	111	70-125	
o-Xylene	50.0	56.1	112	79-126	
m-Xylene & p-Xylene	100	119	119	80-127	

# Column to be used to flag recovery and RPD values



FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Water Level: Low Lab File ID: A7244.D

Lab ID: LCS 510-93022/5 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	50.0	55.6	111	78-117	
Ethylbenzene	50.0	56.9	114	78-125	
Toluene	50.0	55.3	111	76-114	
Xylenes, Total	150	162	108	80-127	
Methyl tert-butyl ether	50.0	54.6	109	70-130	
o-Xylene	50.0	52.7	105	78-121	
m-Xylene & p-Xylene	100	110	110	77-123	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: E7378.D

Lab ID: LCS 510-93034/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Benzene	50.0	56.8	114	81-116	
Ethylbenzene	50.0	58.8	118	84-124	
Toluene	50.0	56.7	113	77-117	
Xylenes, Total	150	173	115	83-124	
Methyl tert-butyl ether	50.0	53.9	108	70-125	
o-Xylene	50.0	55.3	111	79-126	
m-Xylene & p-Xylene	100	118	118	80-127	

# Column to be used to flag recovery and RPD values

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E7364.D Lab Sample ID: MB 510-93020/15  
 Matrix: Solid Heated Purge: (Y/N) N  
 Instrument ID: VMSA Date Analyzed: 01/28/2012 13:47  
 GC Column: 624/8260 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-93020/13	E7362.D	01/28/2012 12:38
SB0058: TK14SW1:030040	510-74911-1	E7365.D	01/28/2012 14:21
SB0058: TK14SW2:030040	510-74911-2	E7366.D	01/28/2012 14:56
SB0058: TK14SW3:030040	510-74911-3	E7367.D	01/28/2012 15:30
SB0058: TK14SW4:030040	510-74911-4	E7368.D	01/28/2012 16:04
SB0058: TK14FLR1:050055	510-74911-5	E7369.D	01/28/2012 16:38
SB0058: TK14FLR2:050055	510-74911-6	E7370.D	01/28/2012 17:13
SB0058: TK14:Field Duplicate	510-74911-7	E7371.D	01/28/2012 17:47

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E7380.D Lab Sample ID: MB 510-93034/6  
 Matrix: Solid Heated Purge: (Y/N) N  
 Instrument ID: VMSA Date Analyzed: 01/29/2012 11:49  
 GC Column: 624/8260 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-93034/4	E7378.D	01/29/2012 10:34
SB0058: TK14:Stockpile RA	510-74911-8 RA	E7381.D	01/29/2012 12:24

FORM IV  
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: A7246.D Lab Sample ID: MB 510-93022/7  
 Matrix: Water Heated Purge: (Y/N) N  
 Instrument ID: VM5B Date Analyzed: 01/28/2012 10:12  
 GC Column: 624/8260 ID: 0.2 (mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-93022/5	A7244.D	01/28/2012 09:07
Trip Blank	510-74911-9	A7247.D	01/28/2012 10:43

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E7351.D BFB Injection Date: 01/28/2012  
 Instrument ID: VM5A BFB Injection Time: 06:20  
 Analysis Batch No.: 93020

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.0
75	30.0 - 60.0 % of mass 95	52.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	6.9
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	76.1
175	5.0 - 9.0 % of mass 174	5.6 (7.3)1
176	95.0 - 101.0 % of mass 174	76.6 (100.6)1
177	5.0 - 9.0 % of mass 176	4.8 (6.3)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD005 510-93020/3	E7352.D	01/28/2012	06:53
	STD010 510-93020/4	E7353.D	01/28/2012	07:27
	STD020 510-93020/5	E7354.D	01/28/2012	08:02
	STD040 510-93020/6	E7355.D	01/28/2012	08:36
	STD050 510-93020/7	E7356.D	01/28/2012	09:11
	STD100 510-93020/8	E7357.D	01/28/2012	09:45
	STD150 510-93020/9	E7358.D	01/28/2012	10:20
	STD200 510-93020/10	E7359.D	01/28/2012	10:54
	LCS 510-93020/13	E7362.D	01/28/2012	12:38
	MB 510-93020/15	E7364.D	01/28/2012	13:47
SB0058: TK14SW1:030040	510-74911-1	E7365.D	01/28/2012	14:21
SB0058: TK14SW2:030040	510-74911-2	E7366.D	01/28/2012	14:56
SB0058: TK14SW3:030040	510-74911-3	E7367.D	01/28/2012	15:30
SB0058: TK14SW4:030040	510-74911-4	E7368.D	01/28/2012	16:04
SB0058: TK14FLR1:050055	510-74911-5	E7369.D	01/28/2012	16:38
SB0058: TK14FLR2:050055	510-74911-6	E7370.D	01/28/2012	17:13
SB0058: TK14:Field Duplicate	510-74911-7	E7371.D	01/28/2012	17:47

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: E7375.D BFB Injection Date: 01/29/2012  
 Instrument ID: VMSA BFB Injection Time: 08:31  
 Analysis Batch No.: 93034

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.1
75	30.0 - 60.0 % of mass 95	51.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.0 (0.0)1
174	50.0 - 120.00 % of mass 95	77.6
175	5.0 - 9.0 % of mass 174	5.8 (7.4)1
176	95.0 - 101.0 % of mass 174	76.4 (98.5)1
177	5.0 - 9.0 % of mass 176	5.1 (6.7)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 510-93034/2	E7376.D	01/29/2012	09:05
	LCS 510-93034/4	E7378.D	01/29/2012	10:34
	MB 510-93034/6	E7380.D	01/29/2012	11:49
SB0058: TK14:Stockpile RA	510-74911-8 RA	E7381.D	01/29/2012	12:24

FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: A7080.D BFB Injection Date: 01/21/2012  
 Instrument ID: VMSB BFB Injection Time: 08:18  
 Analysis Batch No.: 92688

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0 % of mass 95	17.4
75	30.0 - 60.0 % of mass 95	48.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0 % of mass 95	7.2
173	Less than 2.0 % of mass 174	0.6 (0.9)1
174	50.0 - 120.00 % of mass 95	70.5
175	5.0 - 9.0 % of mass 174	4.8 (6.9)1
176	95.0 - 101.0 % of mass 174	69.2 (98.2)1
177	5.0 - 9.0 % of mass 176	4.4 (6.4)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD001 510-92688/2	A7081.D	01/21/2012	08:45
	STD002 510-92688/3	A7082.D	01/21/2012	09:16
	STD005 510-92688/4	A7083.D	01/21/2012	09:47
	STD010 510-92688/5	A7084.D	01/21/2012	10:18
	STD020 510-92688/6	A7085.D	01/21/2012	10:49
	STD050 510-92688/7	A7086.D	01/21/2012	11:20
	STD100 510-92688/8	A7087.D	01/21/2012	11:51
	STD150 510-92688/9	A7088.D	01/21/2012	12:22
	STD200 510-92688/10	A7089.D	01/21/2012	12:53



FORM V  
GC/MS VOA INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: A7240.D BFB Injection Date: 01/28/2012  
 Instrument ID: VMSB BFB Injection Time: 06:43  
 Analysis Batch No.: 93022

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.3	
75	30.0 - 60.0 % of mass 95	45.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.1	(0.1)1
174	50.0 - 120.00 % of mass 95	62.3	
175	5.0 - 9.0 % of mass 174	5.2	(8.3)1
176	95.0 - 101.0 % of mass 174	60.2	(96.5)1
177	5.0 - 9.0 % of mass 176	4.1	(6.9)2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 510-93022/3	A7242.D	01/28/2012	07:51
	LCS 510-93022/5	A7244.D	01/28/2012	09:07
	MB 510-93022/7	A7246.D	01/28/2012	10:12
Trip Blank	510-74911-9	A7247.D	01/28/2012	10:43

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: STD050 510-93020/7 Date Analyzed: 01/28/2012 09:11  
 Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm)  
 Lab File ID (Standard): E7356.D Heated Purge: (Y/N) N  
 Calibration ID: 4560

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	1585125	6.90	1161766	10.65	683687	13.92	
UPPER LIMIT	3170250	7.40	2323532	11.15	1367374	14.42	
LOWER LIMIT	792563	6.40	580883	10.15	341844	13.42	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 510-93020/13		1472069	6.90	1102648	10.65	650438	13.92
MB 510-93020/15		1372113	6.90	1027499	10.65	578129	13.92
510-74911-1	SB0058: TK14SW1:030040	1404394	6.91	1051750	10.65	589999	13.92
510-74911-2	SB0058: TK14SW2:030040	1352998	6.91	1007781	10.65	555727	13.92
510-74911-3	SB0058: TK14SW3:030040	1349176	6.91	997949	10.65	565974	13.92
510-74911-4	SB0058: TK14SW4:030040	1327215	6.90	988397	10.65	556430	13.92
510-74911-5	SB0058: TK14FLR1:050055	1384683	6.90	1026572	10.65	574263	13.92
510-74911-6	SB0058: TK14FLR2:050055	1298856	6.90	963445	10.65	550243	13.92
510-74911-7	SB0058: TK14:Field Duplicate	1302550	6.91	955187	10.65	547629	13.92

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 510-93034/2 Date Analyzed: 01/29/2012 09:05  
 Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm)  
 Lab File ID (Standard): E7376.D Heated Purge: (Y/N) N  
 Calibration ID: 4560

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	1540758	6.90	1184648	10.65	691783	13.92	
UPPER LIMIT	3081516	7.40	2369296	11.15	1383566	14.42	
LOWER LIMIT	770379	6.40	592324	10.15	345892	13.42	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 510-93034/4	1423140	6.91	1069301	10.65	649306	13.92	
MB 510-93034/6	1368225	6.91	1028463	10.65	573630	13.92	
510-74911-8 RA	SB0058: TK14:Stockpile RA	1285180	6.91	973940	10.65	562804	13.92

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: CCVIS 510-93022/3 Date Analyzed: 01/28/2012 07:51  
 Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm)  
 Lab File ID (Standard): A7242.D Heated Purge: (Y/N) N  
 Calibration ID: 4553

	FB		CBZ		DCB		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
12/24 HOUR STD	456116	5.56	166591	8.75	104144	11.49	
UPPER LIMIT	912232	6.06	333182	9.25	208288	11.99	
LOWER LIMIT	228058	5.06	83296	8.25	52072	10.99	
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 510-93022/5	453042	5.57	166424	8.75	102448	11.49	
MB 510-93022/7	439403	5.57	163309	8.75	103438	11.49	
510-74911-9	Trip Blank	443997	5.57	164172	8.75	99298	11.48

FB = Fluorobenzene

CBZ = Chlorobenzene-d5

DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW1:030040 Lab Sample ID: 510-74911-1  
 Matrix: Solid Lab File ID: E7365.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 09:00  
 Sample wt/vol: 25.931(g) Date Analyzed: 01/28/2012 14:21  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 3.8 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.2		6.2	1.4
100-41-4	Ethylbenzene	<6.2		6.2	0.95
108-88-3	Toluene	<6.2		6.2	1.4
1330-20-7	Xylenes, Total	<12		12	2.5
1634-04-4	Methyl tert-butyl ether	<6.2		6.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	4-Bromofluorobenzene (Surr)	98		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7365.D  
 Lims ID: 510-74911-A-1-A Client ID: SB0058: TK14SW1:030040  
 Inject. Date: 28-Jan-2012 14:21:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-1-A  
 Misc. Info.: 510-0006241-016 =510-0006241-016  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 14  
 Lims Batch ID: 93020 Lims Sample ID: 16  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 29-Jan-2012 07:06:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.906	6.904	0.002	0	1404394	50.0	M
* 2 Chlorobenzene-d5	117	10.647	10.645	0.002	88	1051750	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.920	13.924	-0.004	96	589999	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.529	6.520	0.009	0	420252	51.0	
\$ 6 Toluene-d8 (Surr)	98	8.786	8.783	0.003	93	1348525	48.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.259	12.263	-0.004	86	581538	48.8	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:06:37

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7365.D

Injection Date: 28-Jan-2012 14:21:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14SW1:030040

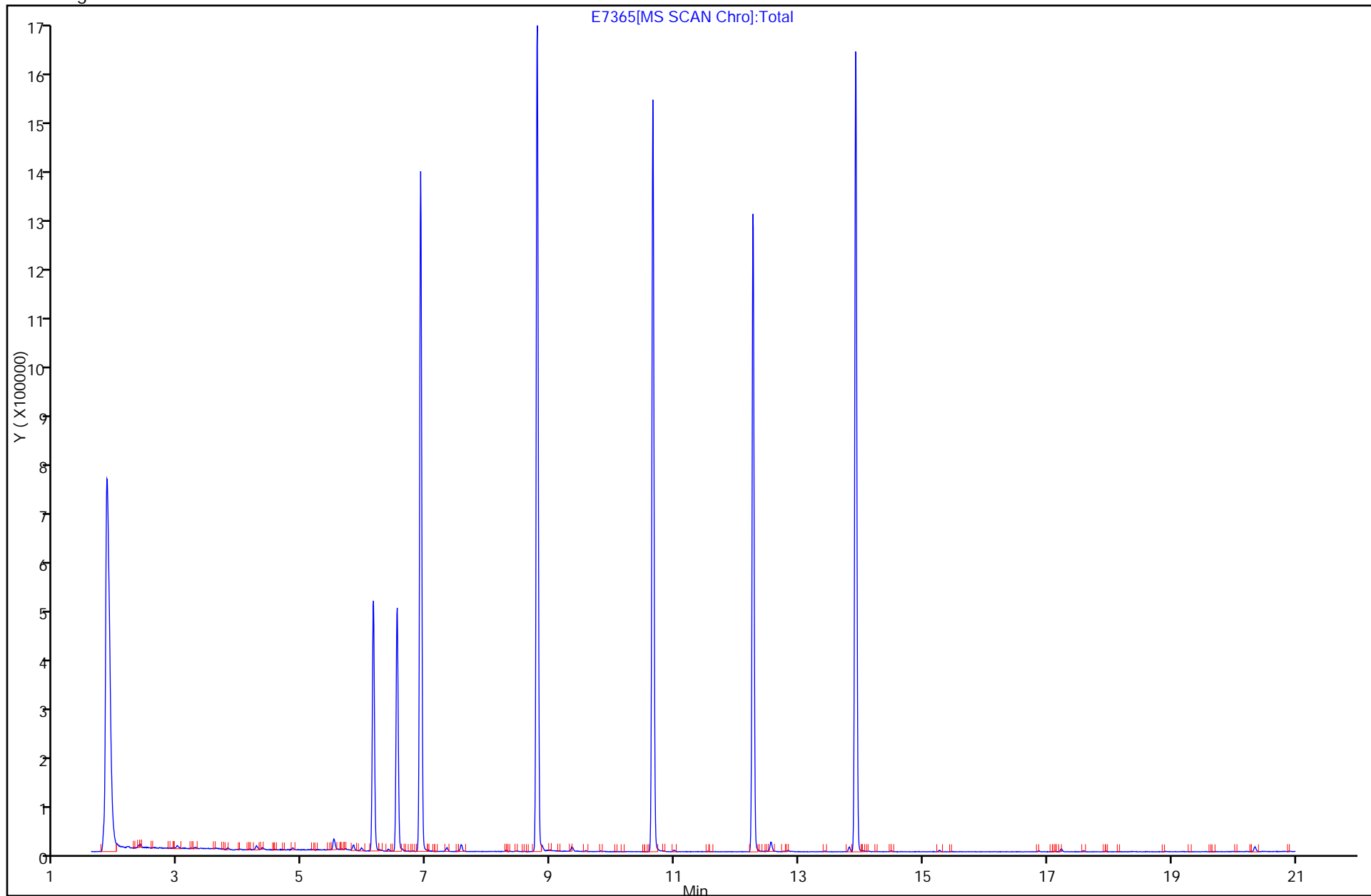
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 16

Operator ID: JLH

Y Scaling:

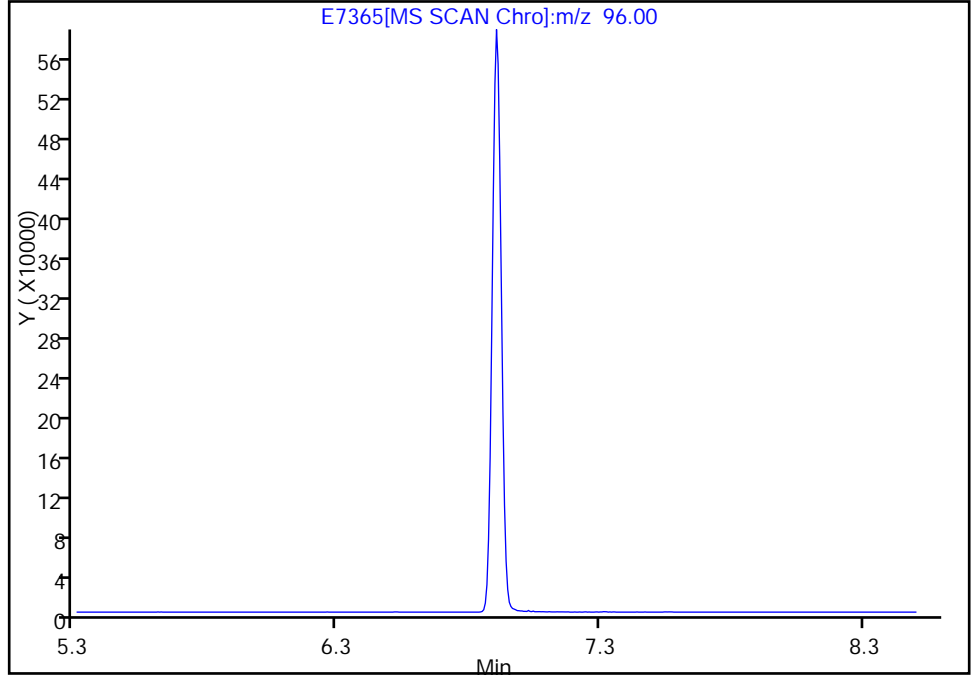


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7365.D  
Injection Date: 28-Jan-2012 14:21:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14SW1:030040 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 16  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

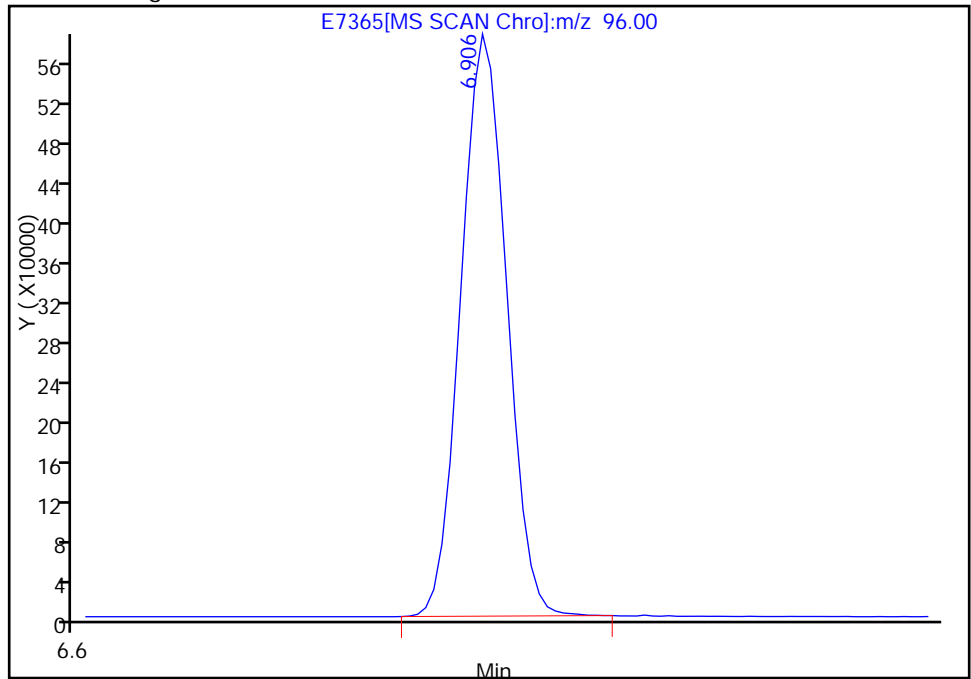
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.91  
Response: 1404394  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:06:37  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW2:030040 Lab Sample ID: 510-74911-2  
 Matrix: Solid Lab File ID: E7366.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 09:10  
 Sample wt/vol: 25.974(g) Date Analyzed: 01/28/2012 14:56  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 5.0 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.3		6.3	1.4
100-41-4	Ethylbenzene	<6.3		6.3	0.97
108-88-3	Toluene	<6.3		6.3	1.4
1330-20-7	Xylenes, Total	<13		13	2.6
1634-04-4	Methyl tert-butyl ether	<6.3		6.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7366.D  
 Lims ID: 510-74911-A-2-A Client ID: SB0058: TK14SW2:030040  
 Inject. Date: 28-Jan-2012 14:56:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-2-A  
 Misc. Info.: 510-0006241-017 =510-0006241-017  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 15  
 Lims Batch ID: 93020 Lims Sample ID: 17  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:07:08

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.904	0.001	0	1352998	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.645	0.007	89	1007781	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	96	555727	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	412344	51.9	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1285109	48.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	88	553214	49.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:07:08

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7366.D

Injection Date: 28-Jan-2012 14:56:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14SW2:030040

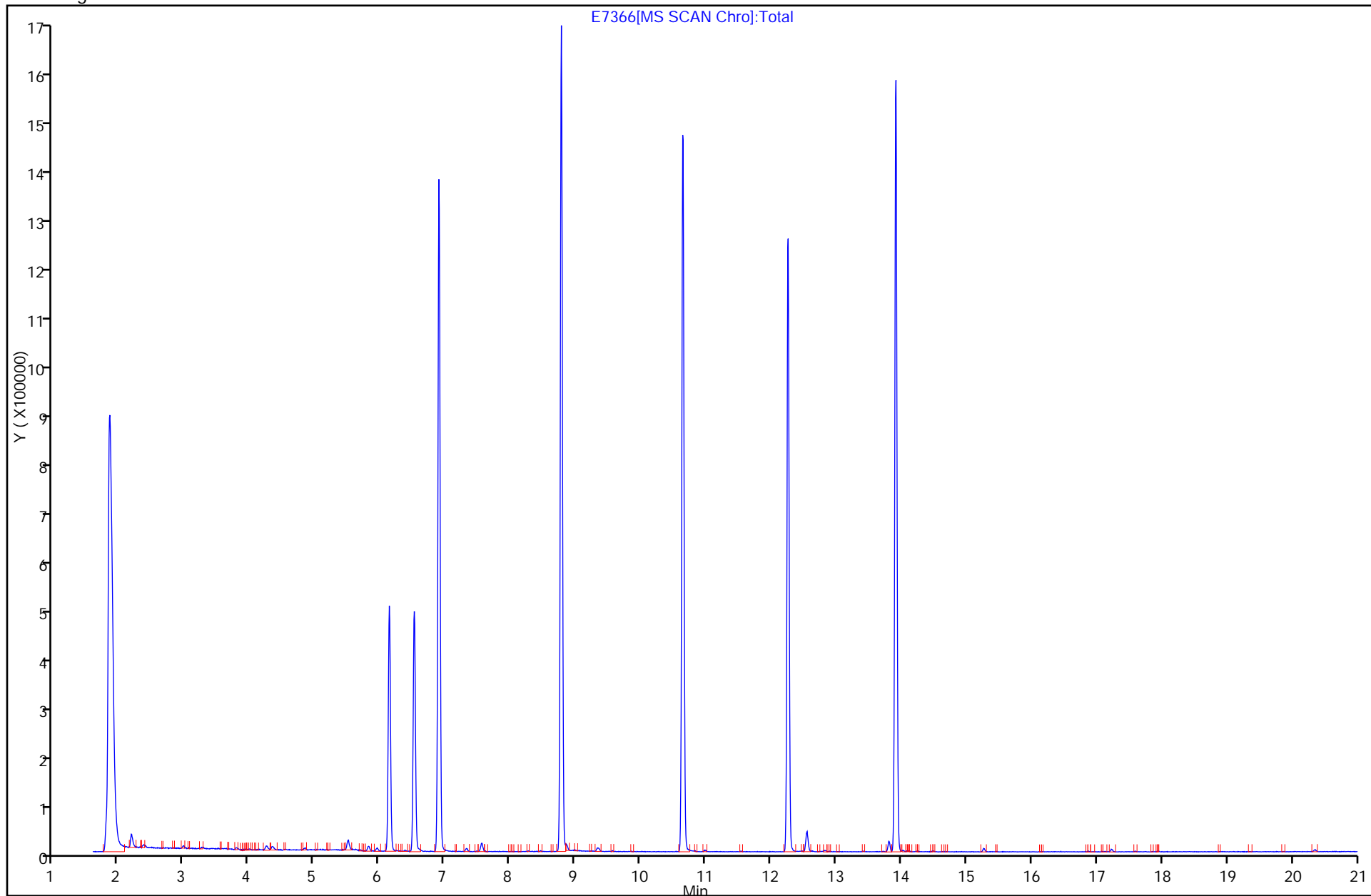
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 17

Operator ID: JLH

Y Scaling:

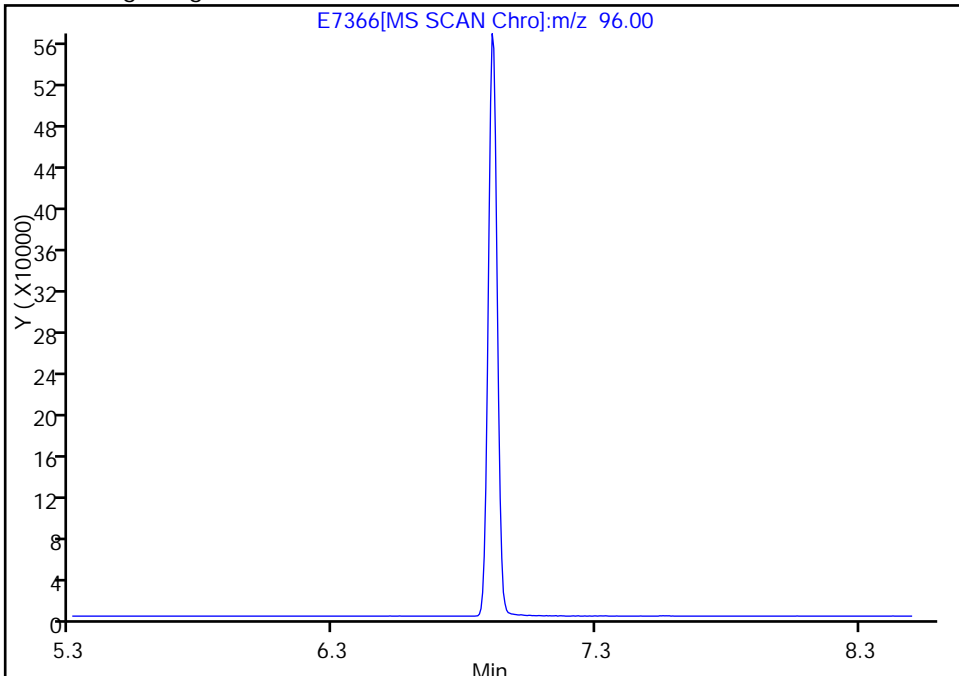


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7366.D  
Injection Date: 28-Jan-2012 14:56:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14SW2:030040 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 17  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

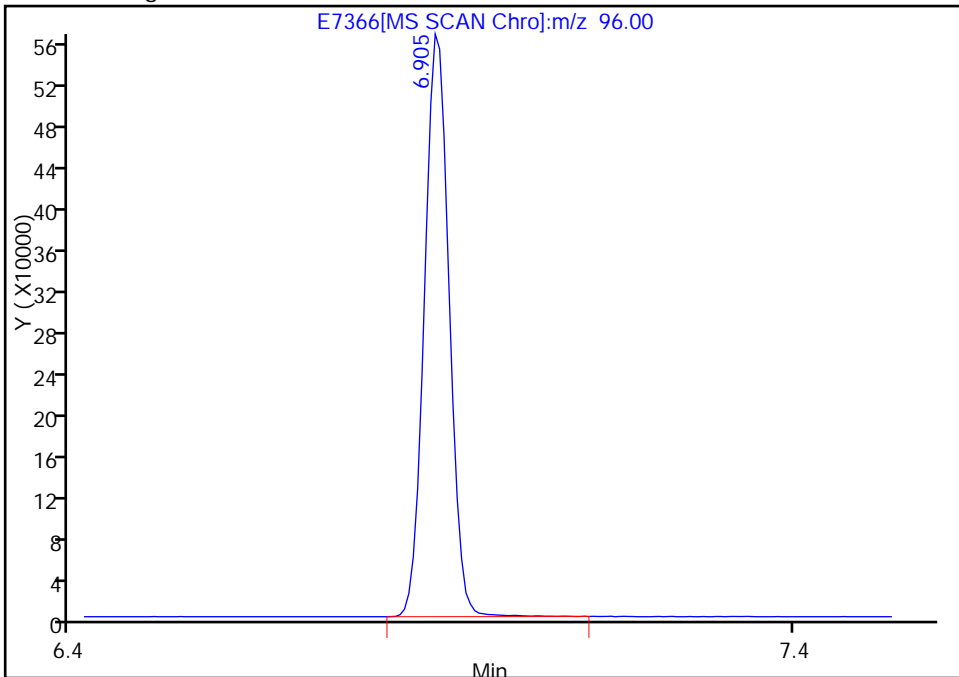
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1352998  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:07:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW3:030040 Lab Sample ID: 510-74911-3  
 Matrix: Solid Lab File ID: E7367.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 09:25  
 Sample wt/vol: 25.909(g) Date Analyzed: 01/28/2012 15:30  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 8.4 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.5		6.5	1.5
100-41-4	Ethylbenzene	<6.5		6.5	1.0
108-88-3	Toluene	<6.5		6.5	1.5
1330-20-7	Xylenes, Total	<13		13	2.7
1634-04-4	Methyl tert-butyl ether	<6.5		6.5	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7367.D  
 Lims ID: 510-74911-A-3-A Client ID: SB0058: TK14SW3:030040  
 Inject. Date: 28-Jan-2012 15:30:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-3-A  
 Misc. Info.: 510-0006241-018 =510-0006241-018  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 16  
 Lims Batch ID: 93020 Lims Sample ID: 18  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:07:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.904	0.001	0	1349176	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.645	0.007	87	997949	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	97	565974	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	413056	52.2	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1282637	48.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	88	553576	48.5	

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:07:21

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7367.D

Injection Date: 28-Jan-2012 15:30:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14SW3:030040

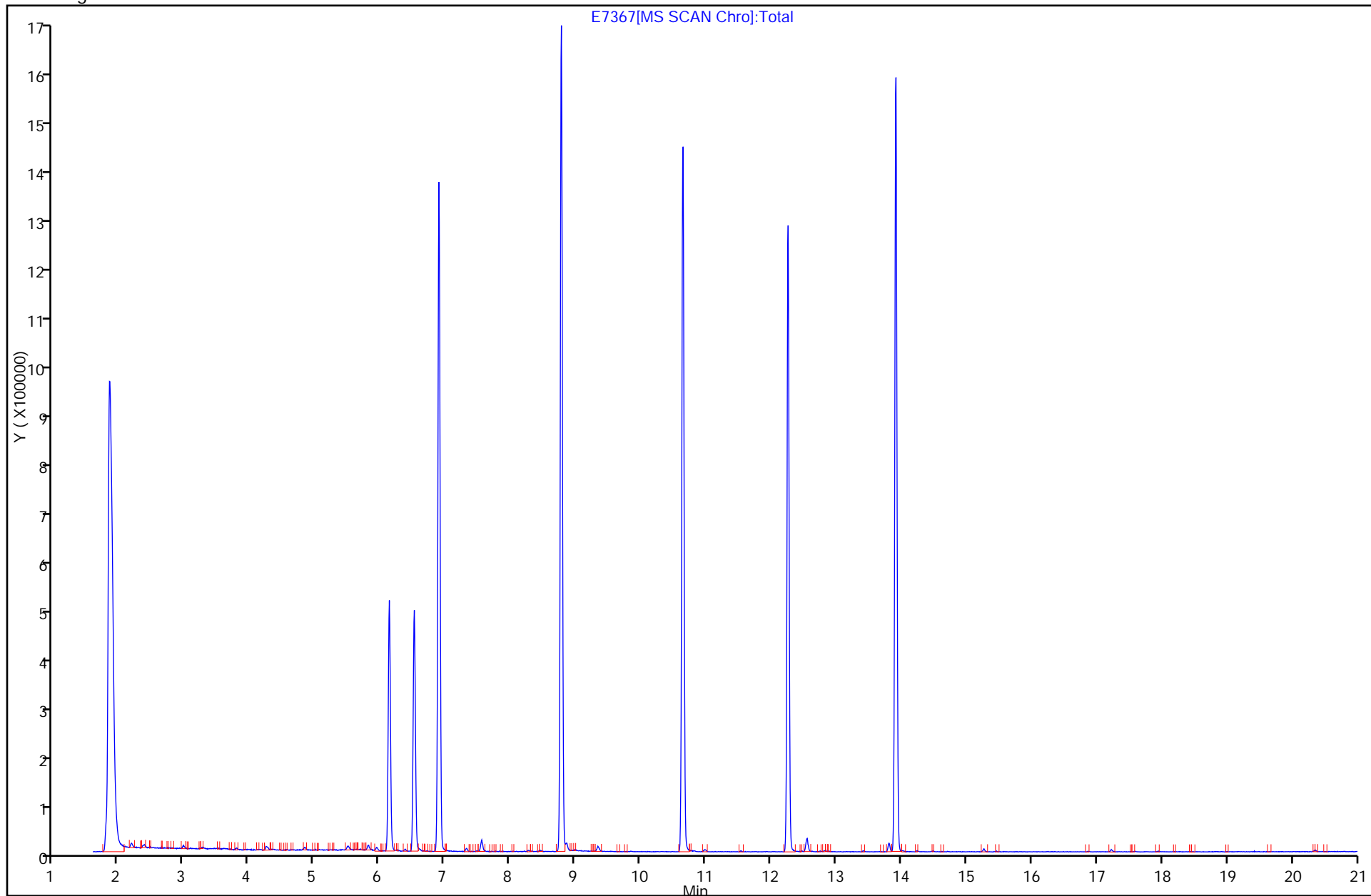
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 18

Operator ID: JLH

Y Scaling:

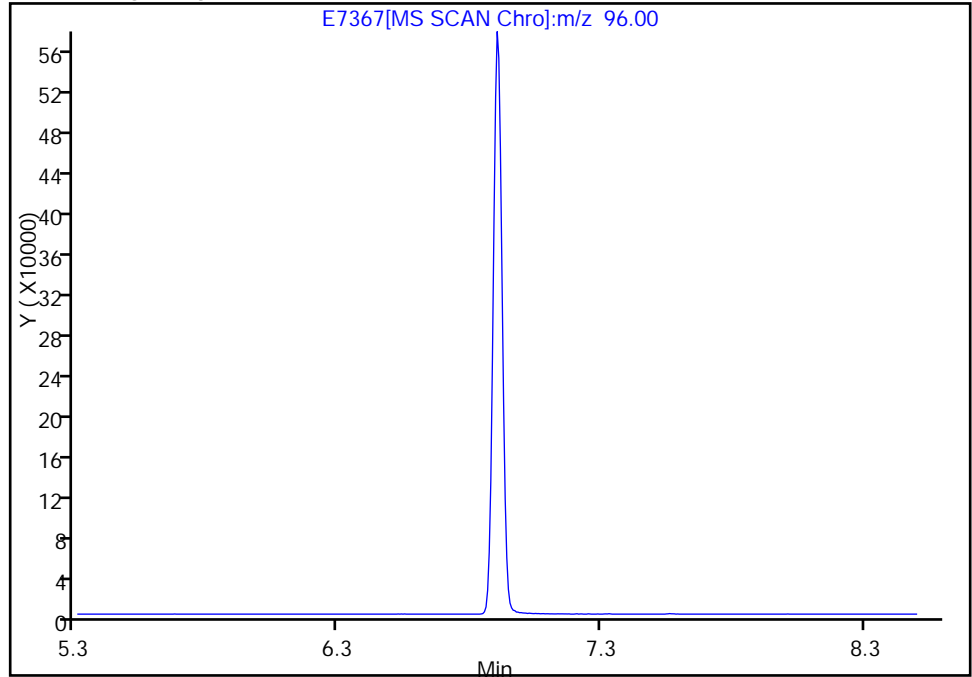


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7367.D  
Injection Date: 28-Jan-2012 15:30:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14SW3:030040 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 18  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

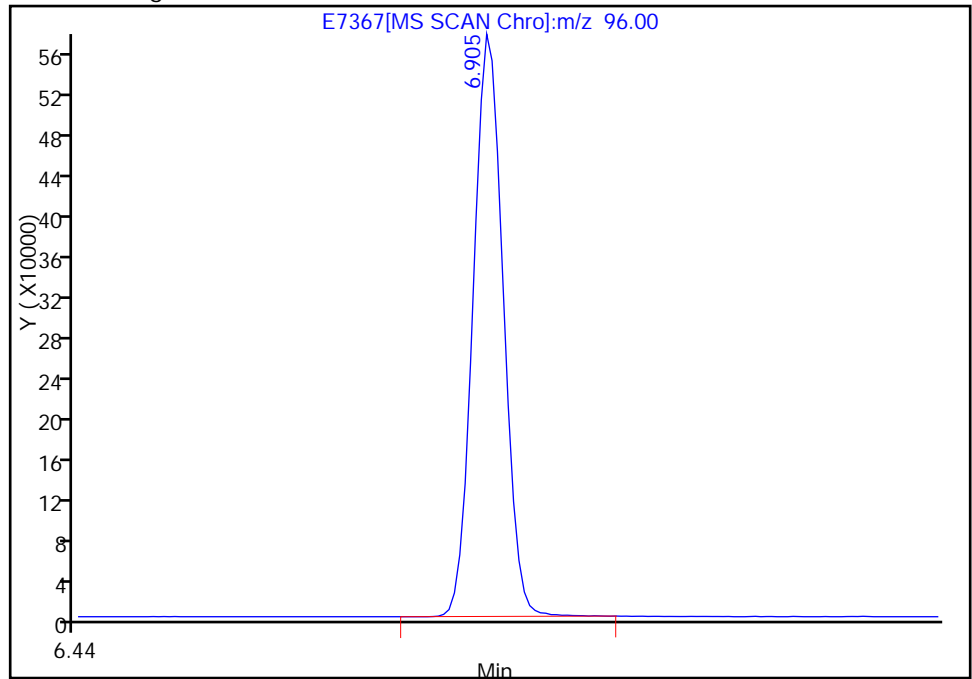
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1349176  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:07:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW4:030040 Lab Sample ID: 510-74911-4  
 Matrix: Solid Lab File ID: E7368.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 09:40  
 Sample wt/vol: 26.023(g) Date Analyzed: 01/28/2012 16:04  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 5.2 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.3		6.3	1.4
100-41-4	Ethylbenzene	<6.3		6.3	0.97
108-88-3	Toluene	<6.3		6.3	1.4
1330-20-7	Xylenes, Total	<13		13	2.6
1634-04-4	Methyl tert-butyl ether	<6.3		6.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	97		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7368.D  
 Lims ID: 510-74911-A-4-A Client ID: SB0058: TK14SW4:030040  
 Inject. Date: 28-Jan-2012 16:04:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-4-A  
 Misc. Info.: 510-0006241-019 =510-0006241-019  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 17  
 Lims Batch ID: 93020 Lims Sample ID: 19  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 29-Jan-2012 07:07:38

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.904	0.0	0	1327215	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.645	0.007	87	988397	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	96	556430	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	400761	51.5	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1257644	48.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	87	544300	48.5	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:07:38

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7368.D

Injection Date: 28-Jan-2012 16:04:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14SW4:030040

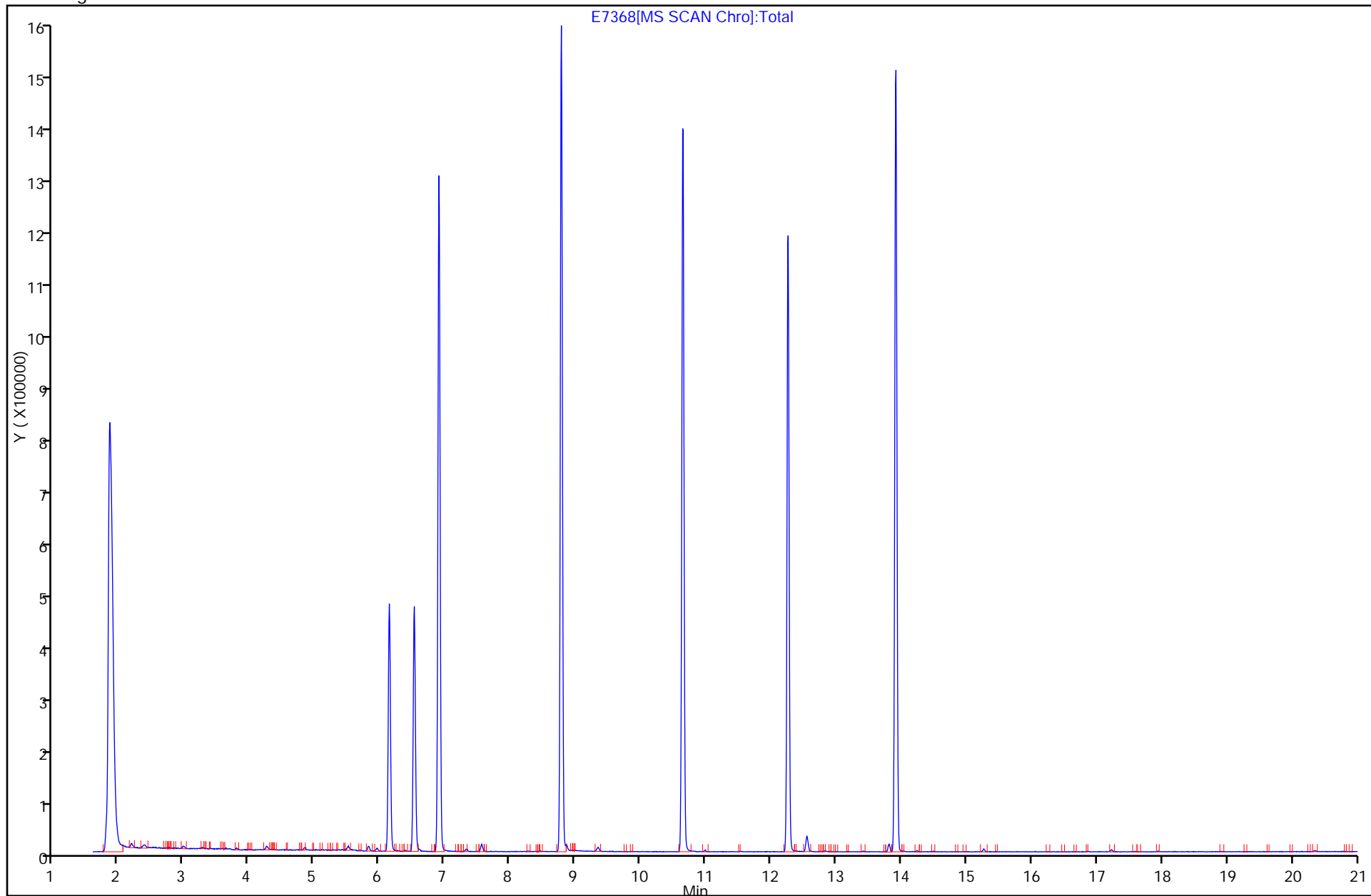
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 19

Operator ID: JLH

Y Scaling:

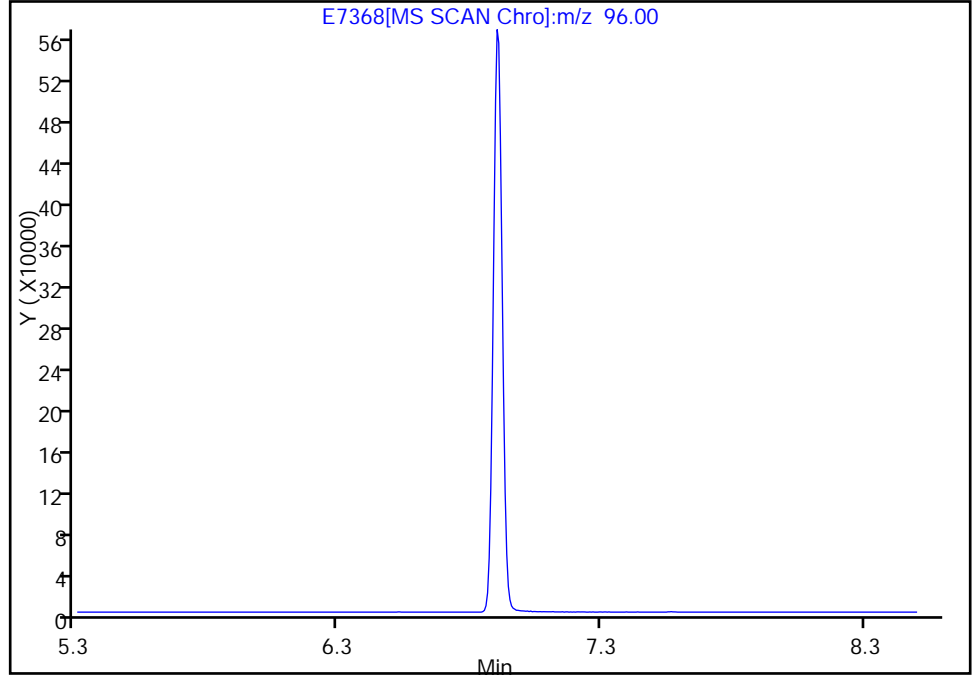


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7368.D  
Injection Date: 28-Jan-2012 16:04:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14SW4:030040 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 19  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

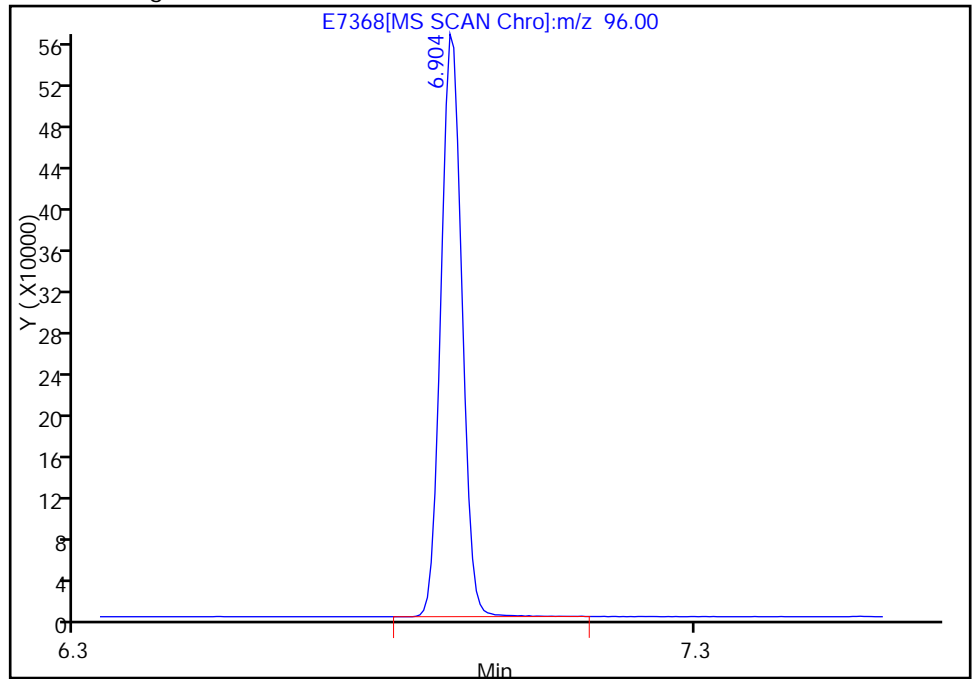
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1327215  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:07:38  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR1:050055 Lab Sample ID: 510-74911-5  
 Matrix: Solid Lab File ID: E7369.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 10:00  
 Sample wt/vol: 25.926(g) Date Analyzed: 01/28/2012 16:38  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 3.7 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.2		6.2	1.4
100-41-4	Ethylbenzene	<6.2		6.2	0.96
108-88-3	Toluene	<6.2		6.2	1.4
1330-20-7	Xylenes, Total	<12		12	2.5
1634-04-4	Methyl tert-butyl ether	<6.2		6.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	98		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7369.D  
 Lims ID: 510-74911-A-5-A Client ID: SB0058: TK14FLR1:050055  
 Inject. Date: 28-Jan-2012 16:38:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-5-A  
 Misc. Info.: 510-0006241-020 =510-0006241-020  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 18  
 Lims Batch ID: 93020 Lims Sample ID: 20  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:07:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.904	0.0	0	1384683	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.645	0.007	89	1026572	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	96	574263	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	422252	52.0	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1313603	48.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	87	565602	48.8	

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:07:52

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7369.D

Injection Date: 28-Jan-2012 16:38:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14FLR1:050055

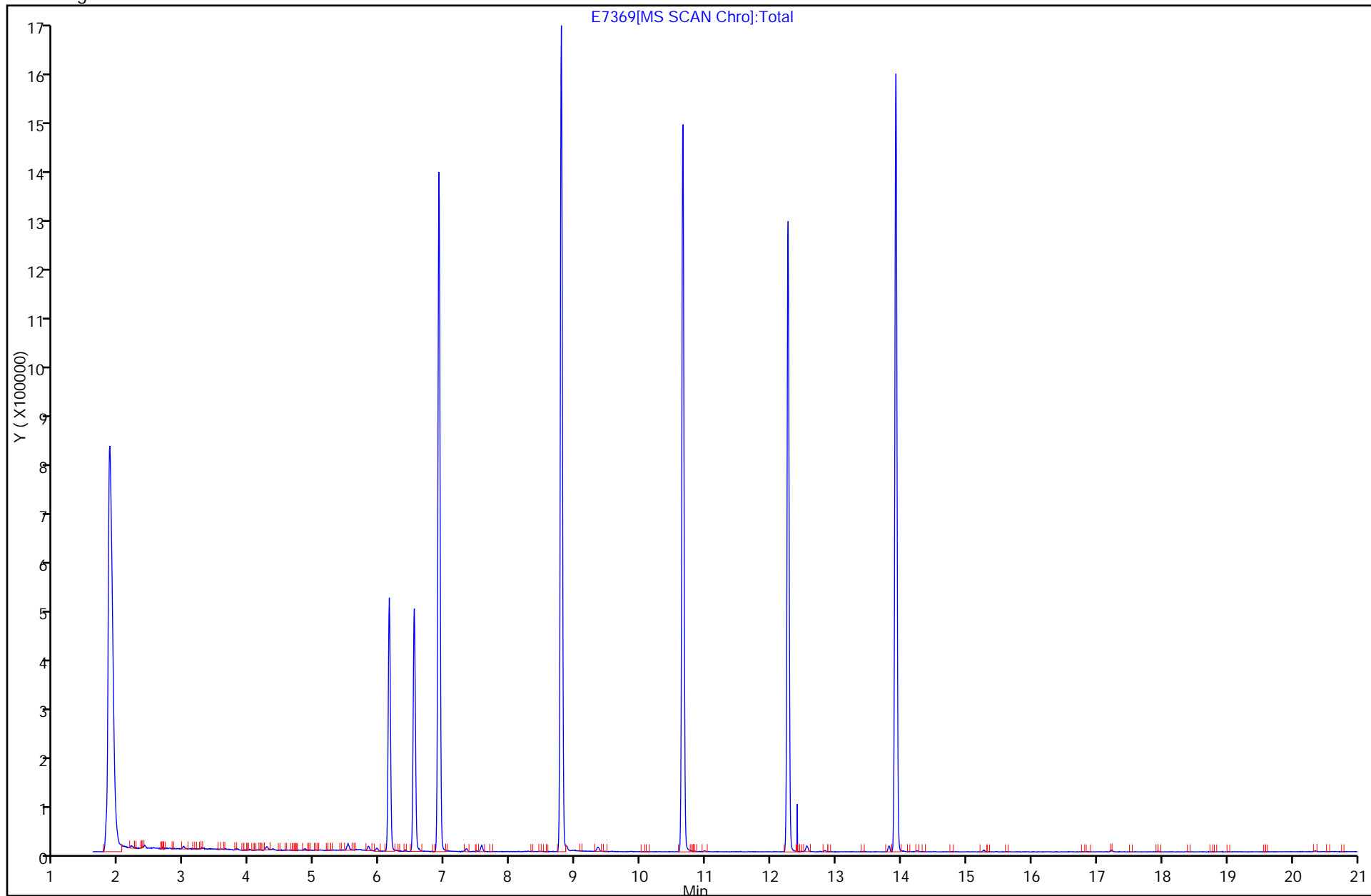
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 20

Operator ID: JLH

Y Scaling:

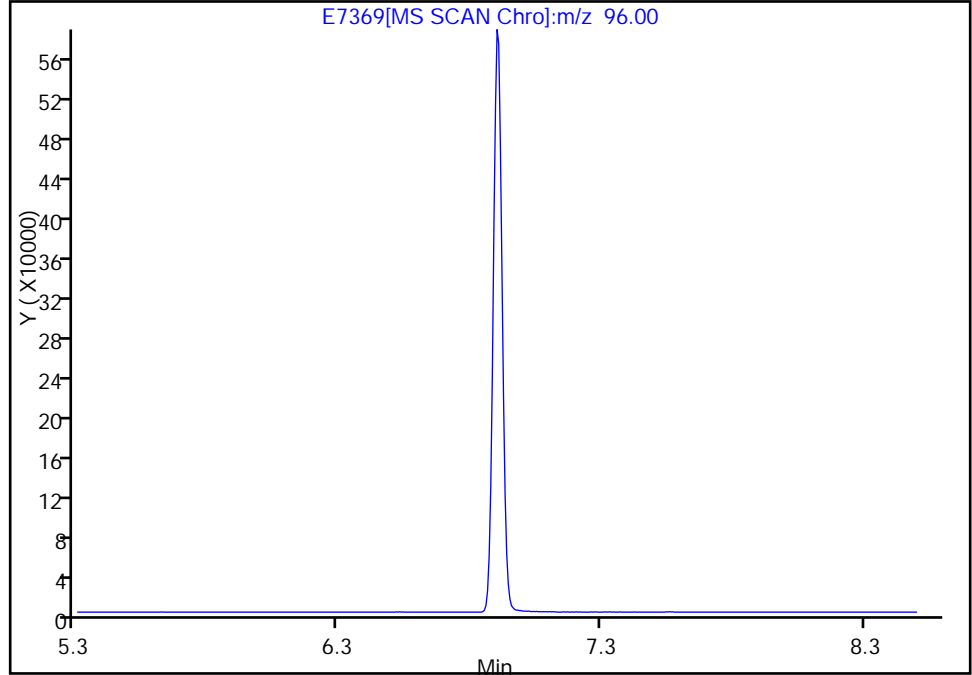


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7369.D  
Injection Date: 28-Jan-2012 16:38:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14FLR1:050055 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 20  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

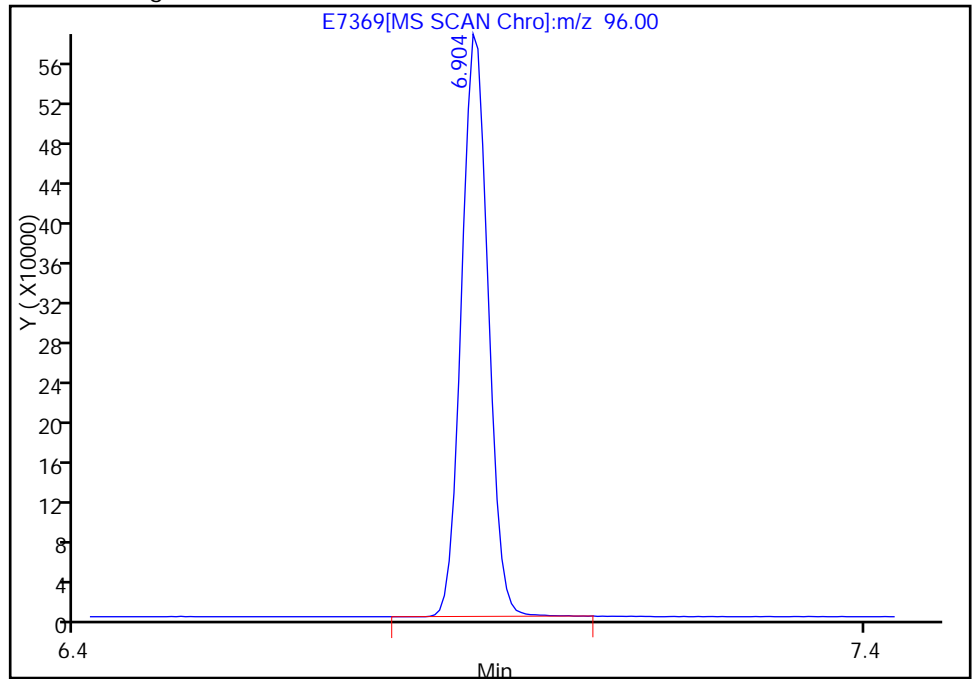
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1384683  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:07:52  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR2:050055 Lab Sample ID: 510-74911-6  
 Matrix: Solid Lab File ID: E7370.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 10:15  
 Sample wt/vol: 26.020(g) Date Analyzed: 01/28/2012 17:13  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 6.0 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.4		6.4	1.5
100-41-4	Ethylbenzene	<6.4		6.4	0.99
108-88-3	Toluene	<6.4		6.4	1.4
1330-20-7	Xylenes, Total	<13		13	2.6
1634-04-4	Methyl tert-butyl ether	<6.4		6.4	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	95		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7370.D  
 Lims ID: 510-74911-A-6-A Client ID: SB0058: TK14FLR2:050055  
 Inject. Date: 28-Jan-2012 17:13:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-6-A  
 Misc. Info.: 510-0006241-021 =510-0006241-021  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 19  
 Lims Batch ID: 93020 Lims Sample ID: 21  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:08:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.904	0.0	0	1298856	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.645	0.006	87	963445	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	96	550243	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	390103	51.2	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1232391	48.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	87	528498	47.6	

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:08:06

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7370.D

Injection Date: 28-Jan-2012 17:13:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14FLR2:050055

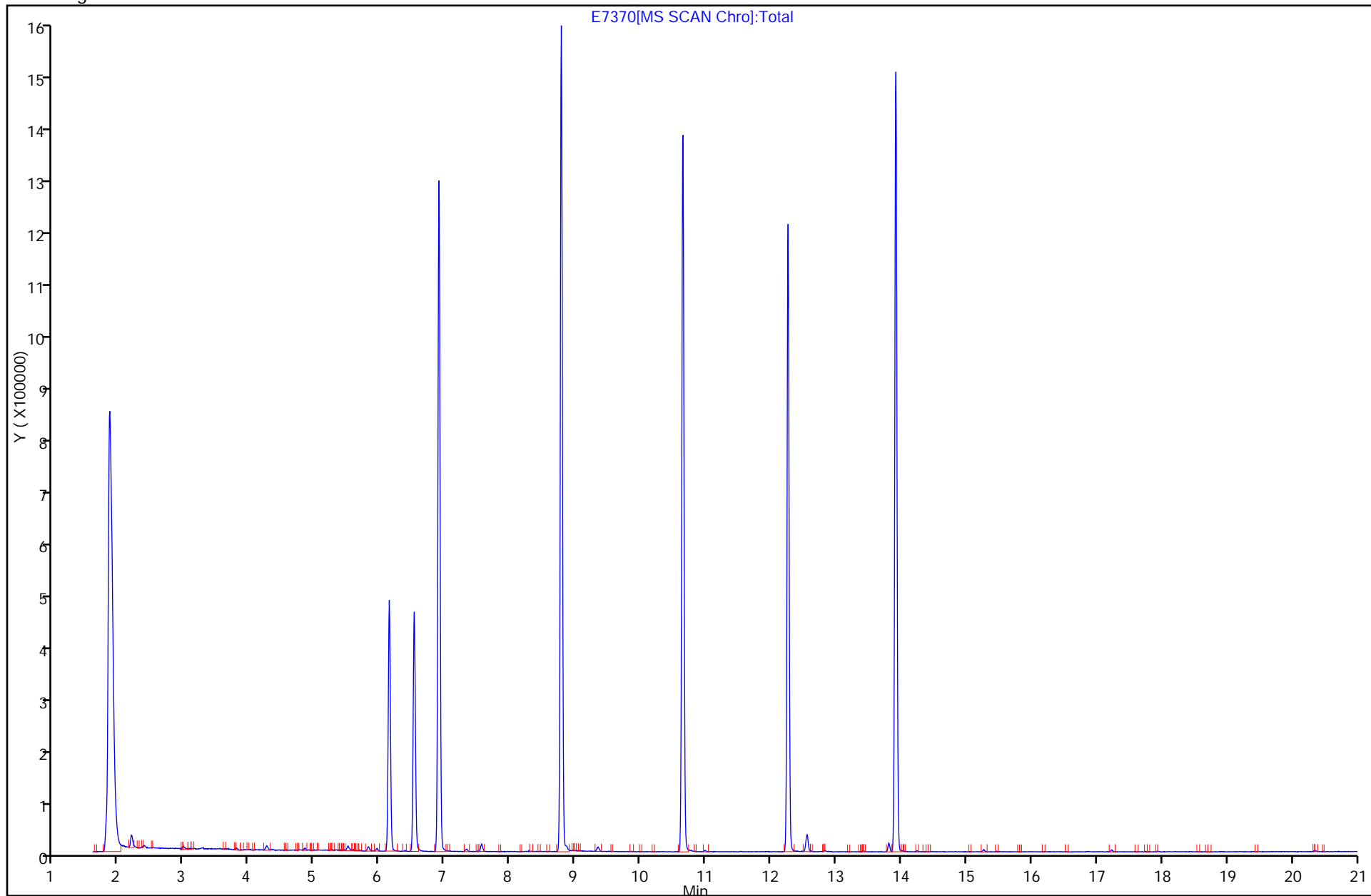
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 21

Operator ID: JLH

Y Scaling:

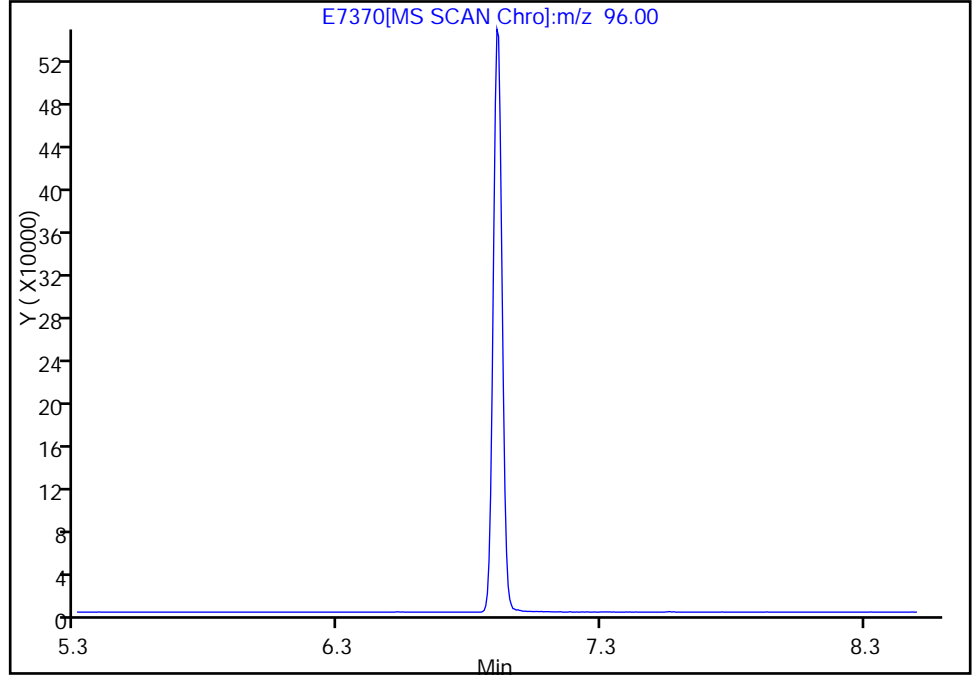


Data File: \\valsrv08\ChromData\VMSA\20120128-6241.b\E7370.D  
Injection Date: 28-Jan-2012 17:13:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14FLR2:050055 Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 21  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

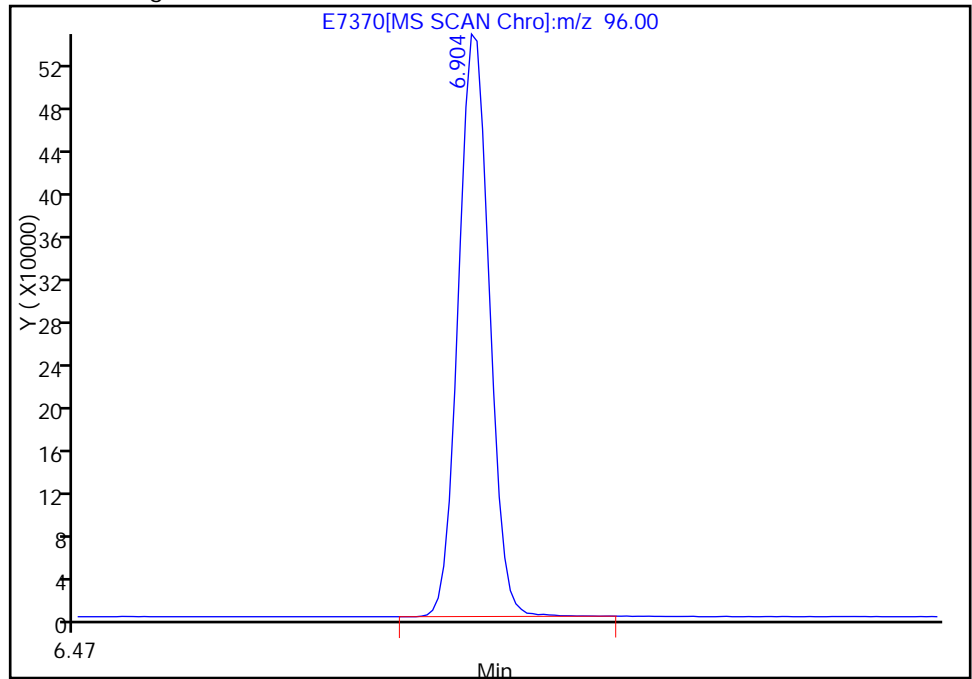
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1298856  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:08:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Field Lab Sample ID: 510-74911-7  
 Matrix: Solid Lab File ID: E7371.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 09:50  
 Sample wt/vol: 26.054(g) Date Analyzed: 01/28/2012 17:47  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 5.3 Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.2		6.2	1.4
100-41-4	Ethylbenzene	<6.2		6.2	0.96
108-88-3	Toluene	<6.2		6.2	1.4
1330-20-7	Xylenes, Total	<12		12	2.5
1634-04-4	Methyl tert-butyl ether	<6.2		6.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	96		70-130
460-00-4	4-Bromofluorobenzene (Surr)	96		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7371.D  
 Lims ID: 510-74911-A-7-A Client ID: SB0058: TK14:Field Duplicate  
 Inject. Date: 28-Jan-2012 17:47:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-7-A  
 Misc. Info.: 510-0006241-022 =510-0006241-022  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 20  
 Lims Batch ID: 93020 Lims Sample ID: 22  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:08:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.904	0.001	0	1302550	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.645	0.007	87	955187	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	96	547629	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	397201	52.0	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	93	1229667	48.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.258	12.263	-0.005	86	528855	47.8	

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:08:20

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7371.D

Injection Date: 28-Jan-2012 17:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14:Field Duplicate

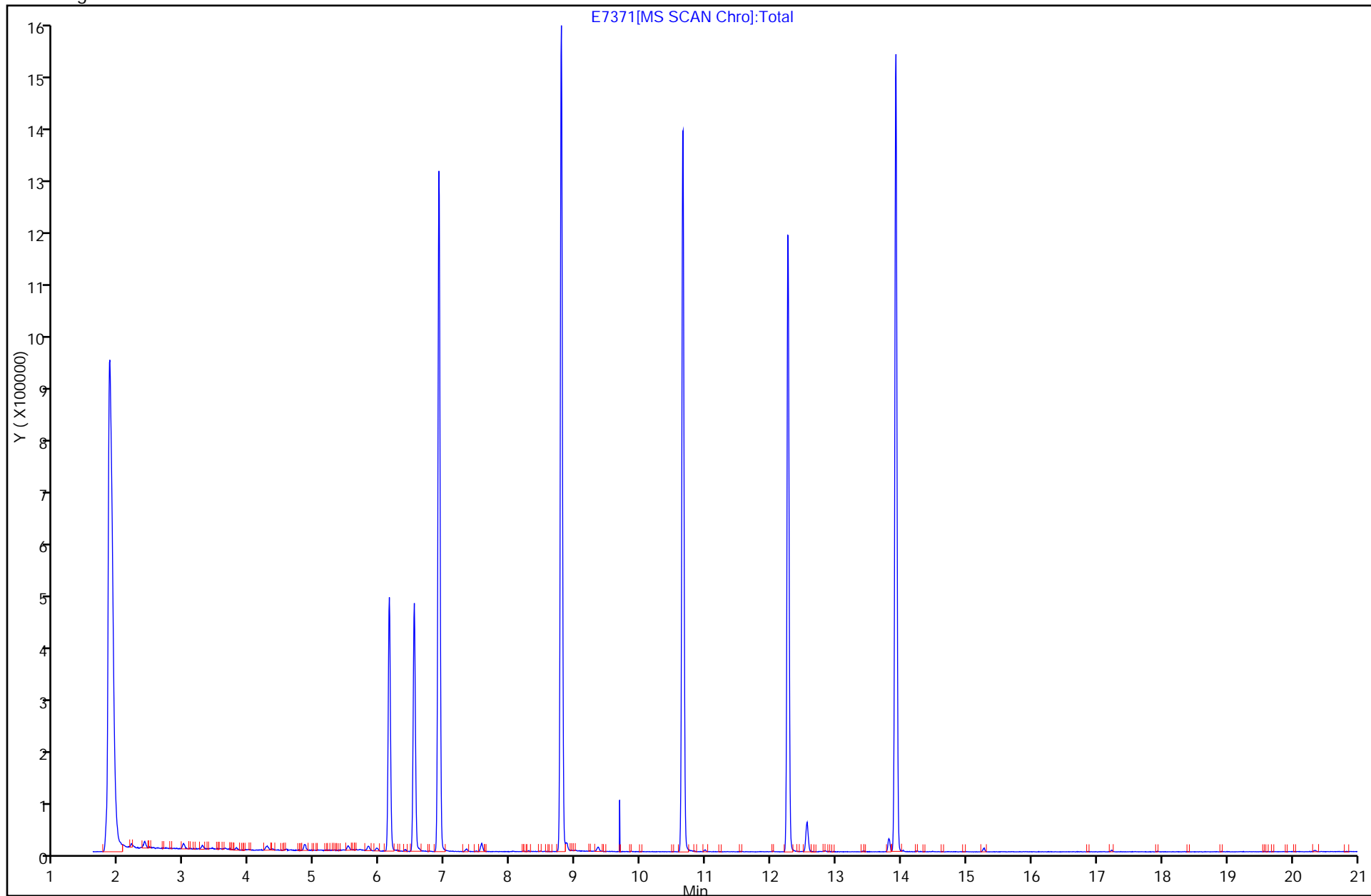
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 22

Operator ID: JLH

Y Scaling:

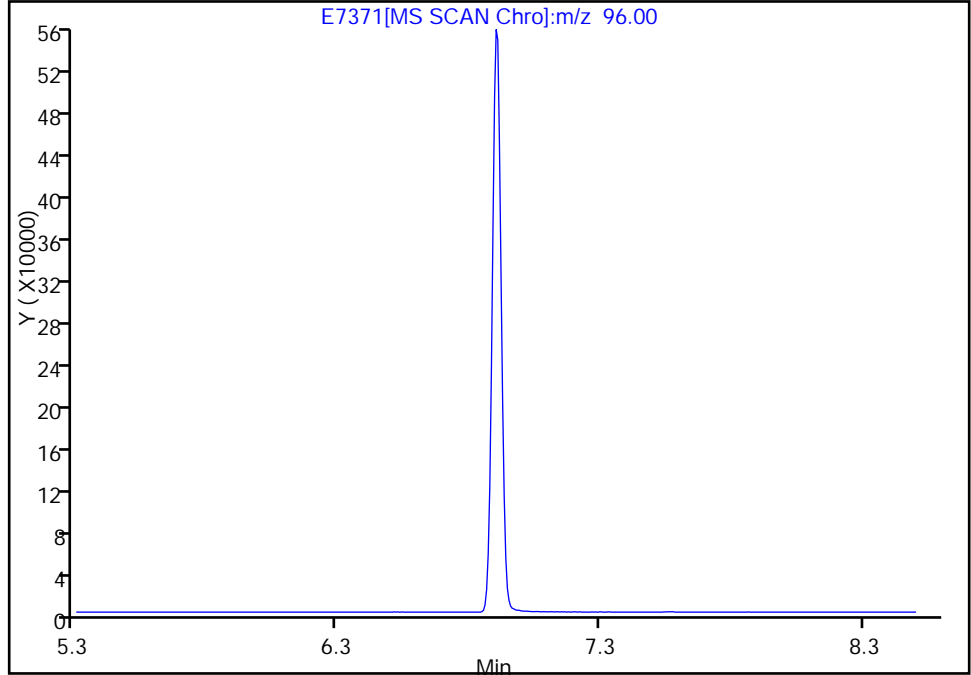


Data File: \\valsrv08\ChromData\VMSA\20120128-6241.b\E7371.D  
Injection Date: 28-Jan-2012 17:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14:Field Duplicate Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 22  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

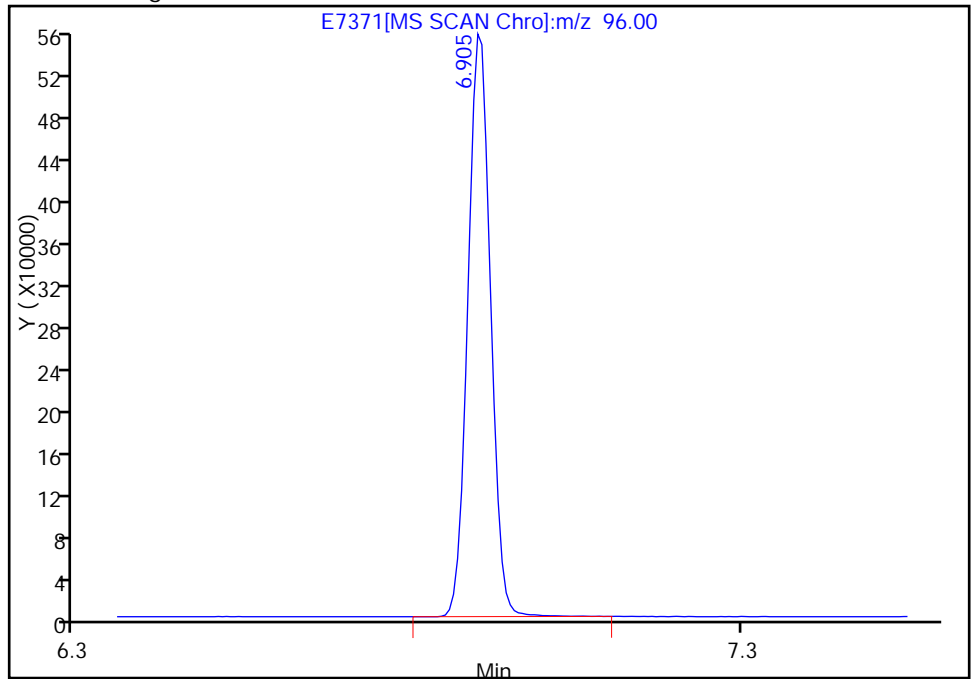
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1302550  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:08:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Stockpile RA Lab Sample ID: 510-74911-8 RA  
 Matrix: Solid Lab File ID: E7381.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 10:30  
 Sample wt/vol: 25.927(g) Date Analyzed: 01/29/2012 12:24  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: 5.2 Level: (low/med) Low  
 Analysis Batch No.: 93034 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<6.2		6.2	1.4
100-41-4	Ethylbenzene	<6.2		6.2	0.96
108-88-3	Toluene	<6.2		6.2	1.4
1330-20-7	Xylenes, Total	<12		12	2.5
1634-04-4	Methyl tert-butyl ether	<6.2		6.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7381.D  
 Lims ID: 510-74911-B-8-A Client ID: SB0058: TK14:Stockpile  
 Inject. Date: 29-Jan-2012 12:24:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-B-8-A  
 Misc. Info.: 510-0006246-007 =510-0006246-007  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 3  
 Lims Batch ID: 93034 Lims Sample ID: 7  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120129-6246.b\8260-SO-VMSA-E.m  
 Last Update: 29-Jan-2012 14:42:33 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 29-Jan-2012 14:42:33

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.898	0.007	0	1285180	50.0	M
* 2 Chlorobenzene-d5	117	10.646	10.645	0.001	87	973940	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.918	0.001	96	562804	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.528	6.520	0.008	0	387620	51.4	
\$ 6 Toluene-d8 (Surr)	98	8.785	8.777	0.008	93	1229636	48.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.257	0.007	88	560168	49.3	
53 Toluene	91	8.864	8.863	0.001	59	114410	1.06	
66 o-Xylene	91	11.534	11.533	0.001	89	32019	1.14	
S 91 Xylenes, Total	100				0		1.14	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 14:42:36

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7381.D

Injection Date: 29-Jan-2012 12:24:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: TK14:Stockpile

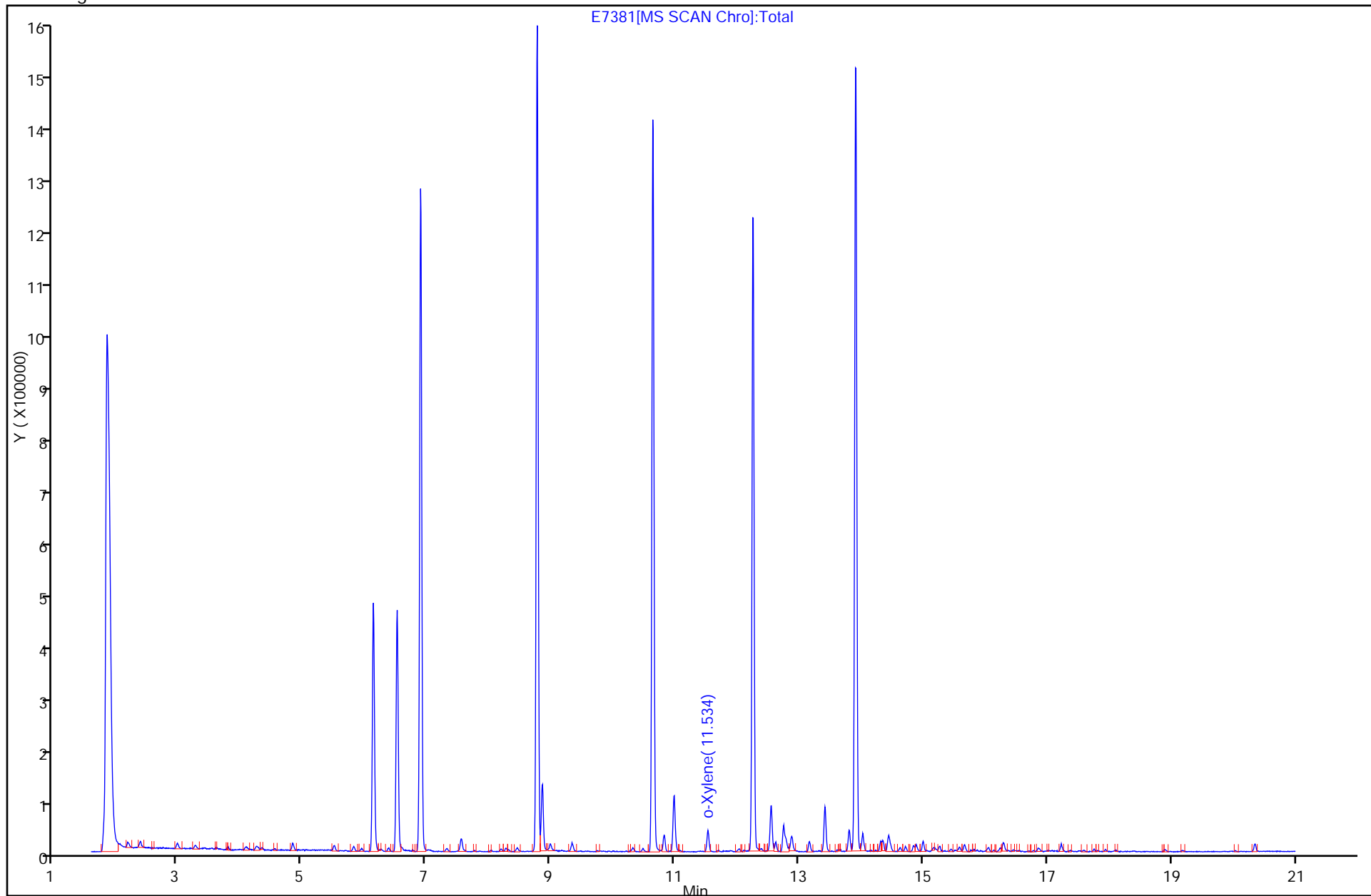
Instrument ID: VMSA

Lims Batch ID: 93034

Lims Sample ID: 7

Operator ID: JLH

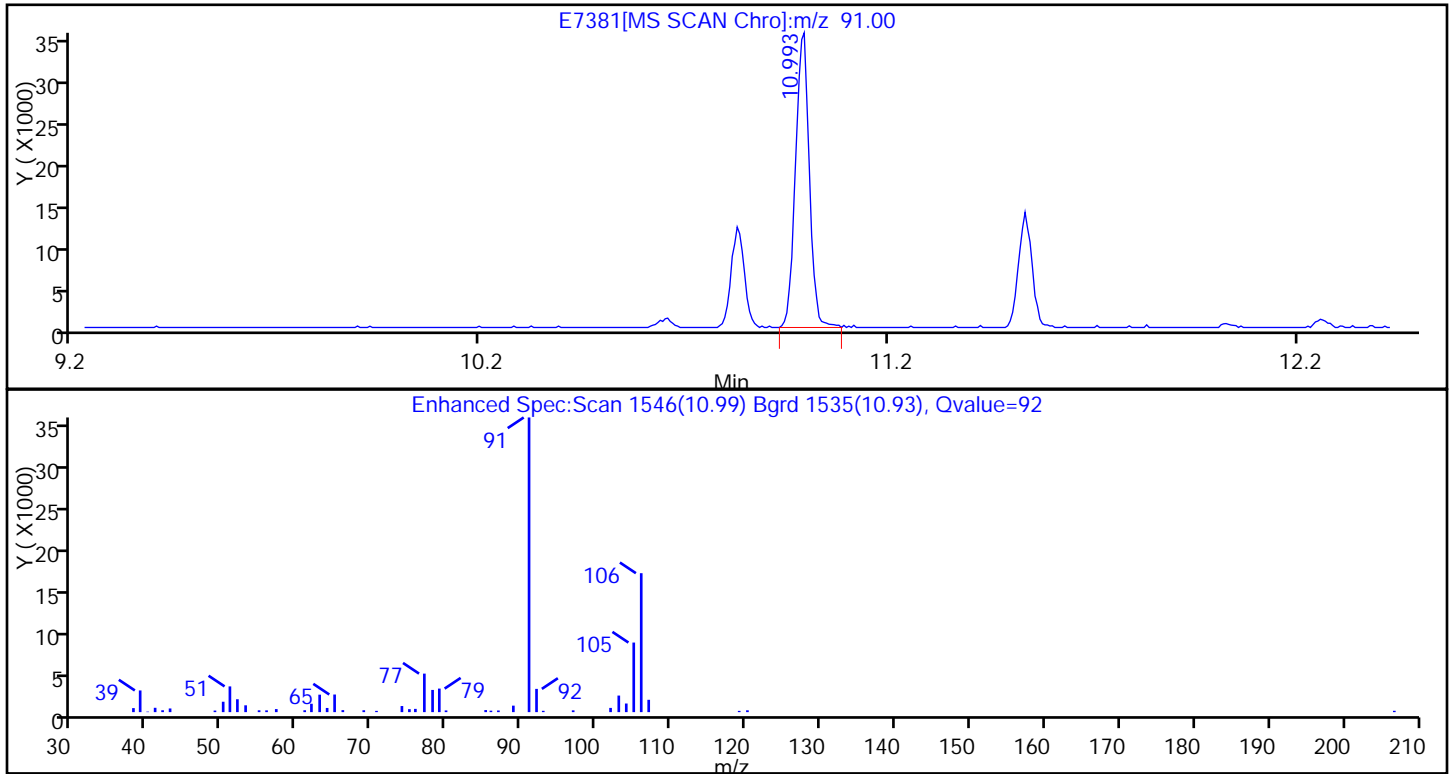
Y Scaling:



Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7381.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14:Stockpile Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 7  
Operator ID: JLH

64 Ethylbenzene

Processing Results



RT	Mass	Response	Amount
10.99	91.00	84369	0.363070
10.99	106.00	38975	

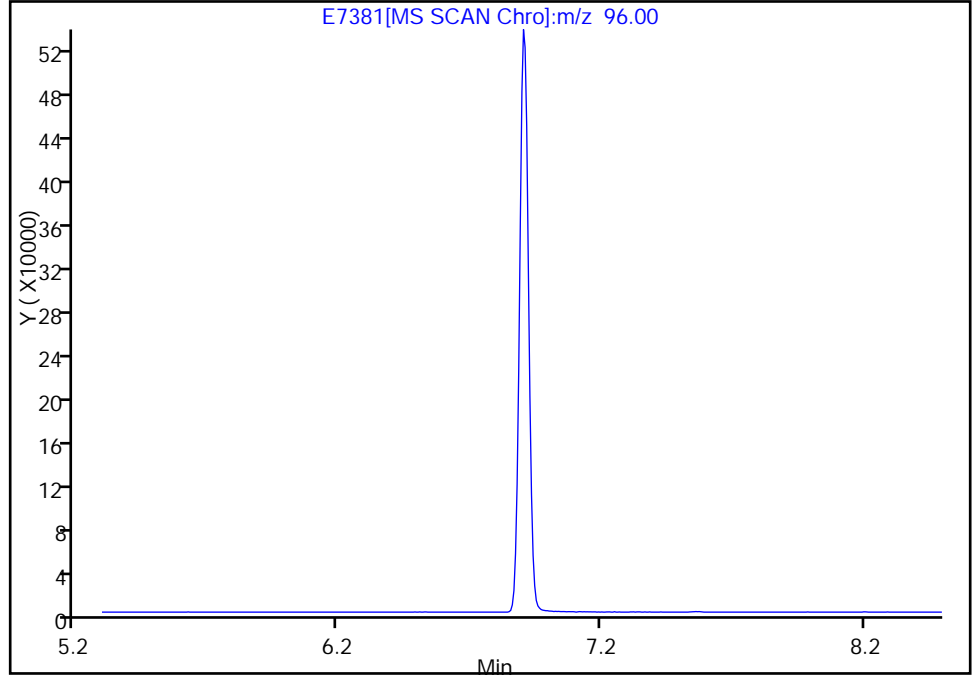
Reviewer: hallj, 29-Jan-2012 14:42:33  
Audit Action: Marked Compound Undetected  
Audit Reason:

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7381.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: SB0058: TK14:Stockpile Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 7  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

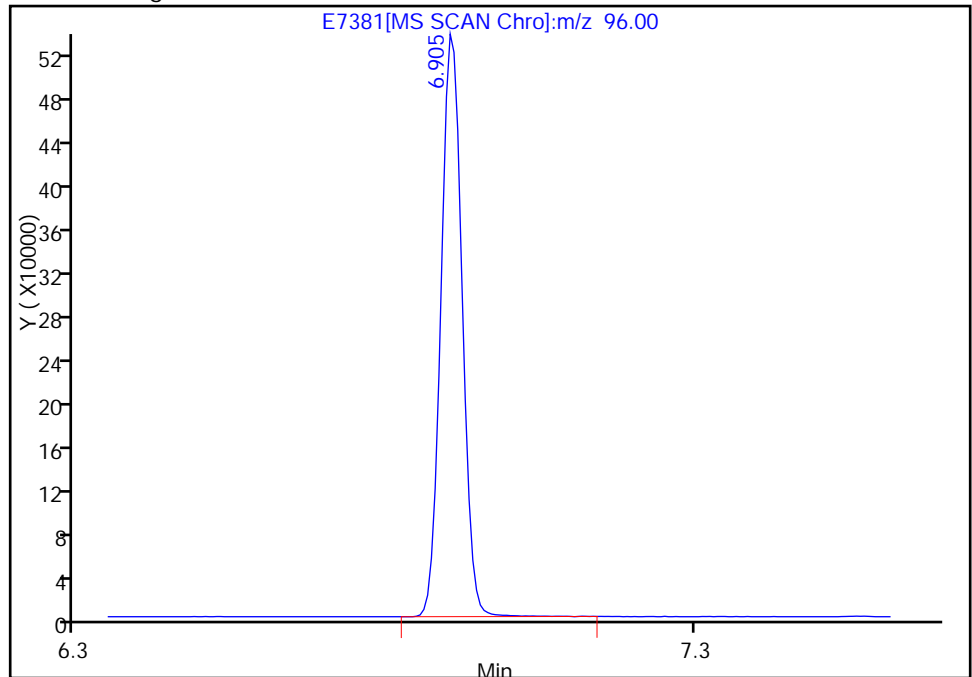
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1285180  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 14:42:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: Trip Blank Lab Sample ID: 510-74911-9  
 Matrix: Water Lab File ID: A7247.D  
 Analysis Method: 8260B Date Collected: 01/25/2012 08:35  
 Sample wt/vol: 40 (mL) Date Analyzed: 01/28/2012 10:43  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<5.0		5.0	0.23
100-41-4	Ethylbenzene	<5.0		5.0	0.69
108-88-3	Toluene	<5.0		5.0	0.50
1330-20-7	Xylenes, Total	<10		10	2.0
1634-04-4	Methyl tert-butyl ether	<5.0		5.0	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		89-108
460-00-4	4-Bromofluorobenzene (Surr)	107		77-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		81-126

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7247.D  
 Lims ID: 510-74911-A-9 Client ID: Trip Blank  
 Inject. Date: 28-Jan-2012 10:43:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-A-9  
 Misc. Info.: 510-0006242-008 =510-0006242-008  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 3  
 Lims Batch ID: 93022 Lims Sample ID: 8  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20120128-6242.b\VMSB-8260.m  
 Last Update: 28-Jan-2012 10:41:19 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 12:24:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.565	5.561	0.004	99	443997	50.0	
* 2 Chlorobenzene-d5	82	8.752	8.749	0.003	84	164172	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.484	11.486	-0.002	97	99298	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.224	5.227	-0.002	0	118461	45.1	
\$ 6 Toluene-d8 (Surr)	98	7.177	7.179	-0.002	93	418924	49.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.109	10.105	0.004	81	136048	53.3	
62 Toluene	91	7.244	7.252	-0.008	13	1861	0.2103	

Report Date: 28-Jan-2012 12:24:47

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7247.D

Injection Date: 28-Jan-2012 10:43:30

Limit Group: VMS - 8260 VOA Calibration

Client ID: Trip Blank

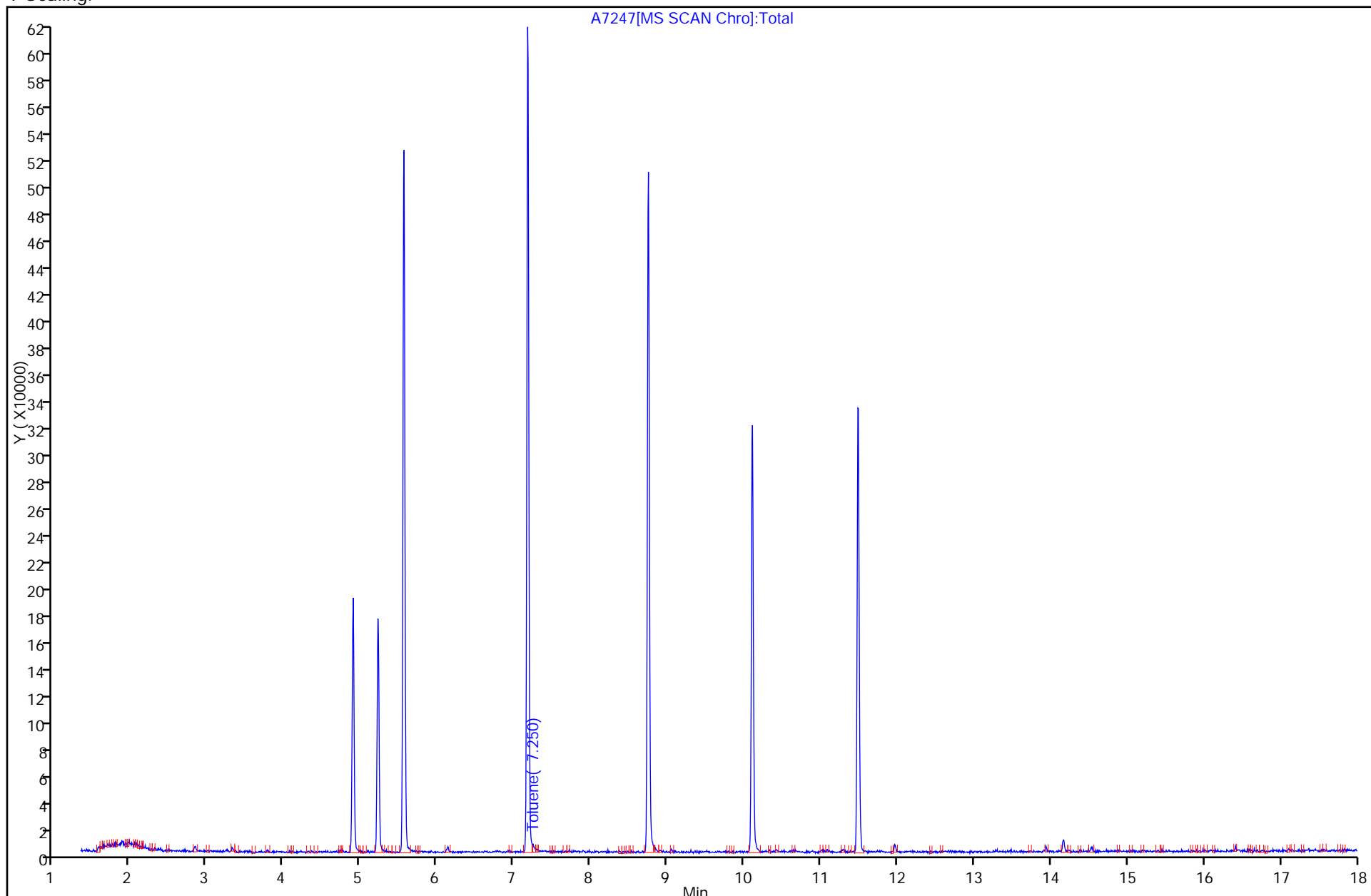
Instrument ID: VMSB

Lims Batch ID: 93022

Lims Sample ID: 8

Operator ID: JLH

Y Scaling:





FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-93020/3	E7352.D
Level 2	STD010 510-93020/4	E7353.D
Level 3	STD020 510-93020/5	E7354.D
Level 4	STD040 510-93020/6	E7355.D
Level 5	STD050 510-93020/7	E7356.D
Level 6	STD100 510-93020/8	E7357.D
Level 7	STD150 510-93020/9	E7358.D
Level 8	STD200 510-93020/10	E7359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4745 0.3871	0.4231 0.4031	0.3810 0.4019	0.3891	0.3914	Ave		0.4064			7.5		15.0				
Chloromethane	0.4133 0.3354	0.3770 0.3314	0.3292 0.3317	0.3479	0.3520	Ave		0.3522		0.1000	8.3		15.0				
Vinyl chloride	0.6012 0.5495	0.5581 0.5832	0.5006 0.5827	0.5243	0.5471	Ave		0.5558			6.0		15.0				
Bromomethane	0.1091 0.0420	0.0937 0.0432	0.0675 ++++	0.0461	0.0499	Lin	0.4940	0.0374						0.9920		0.9900	
Chloroethane	0.3220 0.1309	0.2864 0.1012	0.2603 ++++	0.2567	0.2585	Ave		0.2768			10.0		15.0				
Trichlorofluoromethane	0.4952 0.3928	0.4567 0.3862	0.4122 ++++	0.4110	0.4413	Ave		0.4279			9.1		15.0				
1,2-Dichlorotrifluoroethane	0.4709 0.3720	0.4188 0.3614	0.3801 0.3545	0.3828	0.4149	Ave		0.3944			9.8		15.0				
Acrolein	0.0440 0.0384	0.0386 0.0354	0.0388 0.0374	0.0374	0.0398	Ave		0.0387			6.5		15.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2444 0.2048	0.2237 0.1963	0.2028 0.1925	0.2037	0.2225	Ave		0.2113			8.2		15.0				
1,1-Dichloroethene	0.3147 0.2374	0.2783 0.2509	0.2708 0.2343	0.2679	0.2756	Ave		0.2662			9.7		15.0				
Acetone	0.0601 0.0368	0.0442 0.0395	0.0405 0.0437	0.0424	0.0427	Lin2	0.0937	0.0389						0.9910		0.9900	
Iodomethane	0.2249 0.1938	0.2258 0.1990	0.2380 0.1561	0.2292	0.2391	Ave		0.2132			13.0		15.0				
Carbon disulfide	0.9506 0.7107	0.8542 0.7280	0.8591 0.6591	0.8293	0.8494	Ave		0.8051			12.0		15.0				
Methyl acetate	0.4167 0.2961	0.3567 0.2989	0.3347 0.3091	0.3233	0.3361	Ave		0.3339			12.0		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53

Calibration End Date: 01/28/2012 10:54

Calibration ID: 4560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Methylene Chloride	0.3837 0.2676	0.3223 0.2876	0.3035 0.2778	0.2969	0.3015	Ave		0.3051			12.0		15.0				
t-Butyl alcohol	0.0406 0.0327	0.0350 0.0400	0.0322 0.0404	0.0335	0.0337	Ave		0.0360			10.0		15.0				
Acrylonitrile	0.1249 0.0950	0.1103 0.1011	0.1049 0.1018	0.1025	0.1041	Ave		0.1056			8.4		15.0				
trans-1,2-Dichloroethene	0.3599 0.2692	0.3131 0.2825	0.3115 0.2622	0.3055	0.3130	Ave		0.3021			10.0		15.0				
Methyl tert-butyl ether	0.9187 0.6824	0.8216 0.6914	0.8012 0.6465	0.7806	0.8132	Ave		0.7694			12.0		15.0				
Hexane	0.6233 0.4510	0.5527 0.4665	0.5488 0.4291	0.5133	0.5223	Ave		0.5134			12.0		15.0				
1,1-Dichloroethane	0.6351 0.4710	0.5663 0.4965	0.5601 0.4590	0.5399	0.5597	Ave		0.5360		0.1000	11.0		15.0				
Vinyl acetate	0.7702 0.5533	0.6948 0.5279	0.6531 0.4910	0.6387	0.6535	Ave		0.6228			15.0		15.0				
Isopropyl ether	1.0662 0.7612	0.9437 0.7683	0.9395 0.6934	0.8993	0.9283	Ave		0.8750			14.0		15.0				
Ethyl-t-butyl ether (ETBE)	0.8423 0.6491	0.7696 0.6743	0.7495 0.6230	0.7398	0.7715	Ave		0.7274			10.0		15.0				
cis-1,2-Dichloroethene	0.3874 0.2936	0.3503 0.3103	0.3408 0.2872	0.3391	0.3616	Ave		0.3338			10.0		15.0				
2,2-Dichloropropane	0.4823 0.3964	0.4433 0.4260	0.4454 0.3957	0.4464	0.4797	Ave		0.4394			7.5		15.0				
2-Butanone (MEK)	0.0601 0.0465	0.0517 0.0498	0.0503 0.0527	0.0517	0.0548	Ave		0.0522			7.6		15.0				
Ethyl acetate	0.4369 0.3223	0.4010 0.3518	0.3763 0.3509	0.3652	0.3716	Ave		0.3720			9.3		15.0				
Propionitrile	0.1128 0.0869	0.1003 0.0959	0.0963 0.0946	0.1009	0.1059	Ave		0.0992			7.8		15.0				
Chlorobromomethane	0.2122 0.1539	0.1883 0.1807	0.1864 0.1530	0.1858	0.1935	Ave		0.1817			11.0		15.0				
Tetrahydrofuran	0.3174 0.2117	0.2427 0.2066	0.2254 0.2177	0.2331	0.2437	Ave		0.2373			15.0		15.0				
Chloroform	0.6316 0.4695	0.5680 0.4992	0.5629 0.4494	0.5484	0.5602	Ave		0.5362			11.0		15.0				
1,1,1-Trichloroethane	0.5459 0.4232	0.4923 0.4530	0.4857 0.4177	0.4786	0.5003	Ave		0.4746			8.9		15.0				
Cyclohexane	0.6257 0.5124	0.5811 0.5419	0.5969 0.4947	0.5868	0.6061	Ave		0.5682			8.2		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,1-Dichloropropene	0.5352 0.4288	0.4914 0.4570	0.4989 0.4169	0.4859	0.5051	Ave		0.4774			8.4		15.0				
Carbon tetrachloride	0.4351 0.3557	0.3977 0.3823	0.4056 0.3501	0.3994	0.4184	Ave		0.3930			7.4		15.0				
Benzene	1.6332 1.0446	1.4442 1.0385	1.4064 0.8998	1.3195	1.3173	Qua	2.8758	1.2834	-0.002					0.9970		0.9950	
1,2-Dichloroethane	0.4723 0.3618	0.4207 0.3839	0.4215 0.3610	0.4078	0.4209	Ave		0.4063			9.1		15.0				
Isobutanol	0.1313 0.1056	0.1213 0.1115	0.1130 0.1094	0.1142	0.1218	Ave		0.1160			7.1		15.0				
Tert-amyl-methyl ether (TAME)	0.8097 0.6891	0.7599 0.7205	0.7713 0.6717	0.7735	0.8171	Ave		0.7516			7.1		15.0				
n-Butanol	0.0094 0.0098	0.0078 0.0107	0.0083 0.0115	0.0093	0.0095	Ave		0.0095			12.0		15.0				
Trichloroethene	0.3608 0.2725	0.3185 0.2955	0.3201 0.2688	0.3092	0.3184	Ave		0.3080			9.6		15.0				
Methylcyclohexane	0.7362 0.5745	0.6876 0.5968	0.7016 0.5414	0.6633	0.6806	Ave		0.6478			11.0		15.0				
1,2-Dichloropropane	0.3884 0.3051	0.3363 0.3347	0.3445 0.3143	0.3368	0.3518	Ave		0.3390			7.4		15.0				
Dibromomethane	0.1976 0.1587	0.1714 0.1735	0.1720 0.1665	0.1728	0.1768	Ave		0.1737			6.4		15.0				
Dichlorobromomethane	0.4133 0.3609	0.3829 0.3971	0.3970 0.3695	0.3998	0.4122	Ave		0.3916			4.9		15.0				
2-Chloroethyl vinyl ether	0.0677 0.0918	0.0698 0.0902	0.0726 0.0974	0.0844	0.0922	Ave		0.0833			14.0		15.0				
cis-1,3-Dichloropropene	0.4459 0.4387	0.4312 0.4803	0.4667 0.4455	0.4804	0.4945	Ave		0.4604			5.0		15.0				
Methyl isobutyl ketone (MIBK)	0.2587 0.2654	0.2549 0.2903	0.2621 0.2998	0.2749	0.2843	Ave		0.2738			5.9		15.0				
Toluene	1.6659 1.0376	1.4474 1.0311	1.4111 0.8953	1.3146	1.2913	Qua	3.1137	1.2638	-0.002					0.9970		0.9950	
trans-1,3-Dichloropropene	0.3725 0.3889	0.3640 0.4332	0.3946 0.4058	0.4179	0.4259	Ave		0.4004			6.2		15.0				
Ethyl methacrylate	0.3986 0.4263	0.4028 0.4551	0.4300 0.4341	0.4595	0.4737	Ave		0.4350			6.1		15.0				
1,1,2-Trichloroethane	0.2524 0.2050	0.2273 0.2273	0.2287 0.2173	0.2249	0.2265	Ave		0.2262			5.9		15.0				
Tetrachloroethene	0.2973 0.2301	0.2692 0.2475	0.2664 0.2261	0.2612	0.2622	Ave		0.2575			8.9		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
1,3-Dichloropropane	0.5477 0.4431	0.5012 0.4794	0.5076 0.4461	0.5030	0.5085	Ave		0.4921			7.1	15.0					
2-Hexanone	0.1932 0.2102	0.1855 0.2316	0.1966 0.2449	0.2179	0.2190	Ave		0.2124			9.5	15.0					
Chlorodibromomethane	0.2455 0.2420	0.2346 0.2742	0.2427 0.2602	0.2578	0.2586	Ave		0.2519			5.1	15.0					
Ethylene Dibromide	0.2495 0.2197	0.2288 0.2413	0.2323 0.2326	0.2382	0.2374	Ave		0.2350			3.8	15.0					
Chlorobenzene	1.2998 0.8882	1.1569 0.9196	1.1249 0.8231	1.0665	1.0686	Ave		1.0434		0.3000	15.0	15.0					
1,1,1,2-Tetrachloroethane	0.3982 0.3350	0.3626 0.3705	0.3701 0.3439	0.3686	0.3859	Ave		0.3669			5.6	15.0					
Ethylbenzene	2.1929 1.5043	2.0119 1.4598	2.0386 1.2589	1.9208	1.9171	Qua	3.6479	1.8835	-0.003					0.9970		0.9950	
m-Xylene & p-Xylene	1.7786 1.0293	1.6065 0.9629	1.5714 0.8036	1.4193	1.3771	Qua	9.7356	1.3243	-0.001					0.9960		0.9950	
o-Xylene	1.6254 1.2692	1.5523 1.2762	1.6131 1.1095	1.5638	1.5413	Ave		1.4438			14.0	15.0					
Styrene	1.2327 1.0157	1.2010 1.0472	1.2490 0.9201	1.2216	1.1969	Ave		1.1355			11.0	15.0					
Bromoform	0.2056 0.2145	0.1926 0.2447	0.2061 0.2420	0.2229	0.2240	Ave		0.2190		0.1000	8.3	15.0					
Isopropylbenzene	1.6516 1.3590	1.6252 1.3561	1.7400 1.1676	1.6812	1.6632	Ave		1.5305			14.0	15.0					
1,1,2,2-Tetrachloroethane	0.8981 0.7259	0.8167 0.7602	0.8032 0.7389	0.8364	0.8309	Ave		0.8013		0.3000	7.2	15.0					
Bromobenzene	0.8403 0.6868	0.7737 0.7340	0.7799 0.6700	0.8108	0.7854	Ave		0.7601			7.8	15.0					
1,2,3-Trichloropropane	0.9611 0.9324	0.9902 0.9887	0.9825 0.9211	1.0448	1.0386	Ave		0.9824			4.5	15.0					
trans-1,4-Dichloro-2-butene	0.1986 0.2028	0.1926 0.2139	0.1951 0.2254	0.2121	0.2173	Ave		0.2072			5.6	15.0					
N-Propylbenzene	4.2552 2.8662	4.0608 2.6356	4.0404 2.2971	3.9201	3.6716	Qua	10.786	3.5834	-0.007					0.9970		0.9950	
2-Chlorotoluene	2.5082 1.8890	2.4121 1.8519	2.3895 1.6833	2.4064	2.2841	Ave		2.1781			15.0	15.0					
1,3,5-Trimethylbenzene	2.7029 2.1247	2.6903 2.0630	2.7524 1.7956	2.7222	2.5432	Ave		2.4243			15.0	15.0					
4-Chlorotoluene	3.0494 2.1710	2.8730 2.1873	2.7981 1.9247	2.7691	2.6409	Qua	4.6990	2.6277	-0.004					0.9970		0.9950	

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
tert-Butylbenzene	2.1083 1.8805	2.1964 1.9053	2.3126 1.6751	2.3571	2.2832	Ave		2.0898			12.0		15.0				
1,2,4-Trimethylbenzene	2.8999 2.1397	2.7782 2.1239	2.7887 1.8421	2.7297	2.6294	Qua	3.8019	2.6515	-0.004					0.9970		0.9950	
sec-Butylbenzene	3.4571 2.5867	3.4432 2.4946	3.4762 2.1330	3.4100	3.2553	Qua	5.3226	3.2890	-0.006					0.9970		0.9950	
1,3-Dichlorobenzene	1.6534 1.2220	1.5229 1.2611	1.5162 1.1453	1.4875	1.4717	Ave		1.4100			13.0		15.0				
4-Isopropyltoluene	2.8421 2.1858	2.8085 2.1470	2.8582 1.8520	2.7876	2.7021	Qua	3.3753	2.7399	-0.004					0.9970		0.9950	
1,4-Dichlorobenzene	1.7715 1.2281	1.5681 1.2699	1.5380 1.1429	1.4866	1.4832	Ave		1.4360			14.0		15.0				
1,2,3-Trimethylbenzene	2.9643 2.1731	2.8278 2.1333	2.8477 ++++	2.7569	2.7040	Ave		2.6296			13.0		15.0				
n-Butylbenzene	2.7272 2.1590	2.7161 2.0995	2.8125 1.8273	2.7229	2.6599	Ave		2.4656			15.0		15.0				
1,2-Dichlorobenzene	1.5860 1.1363	1.4553 1.1667	1.4009 1.0556	1.3693	1.3715	Ave		1.3177			14.0		15.0				
1,2-Dibromo-3-Chloropropane	0.1307 0.1380	0.1296 0.1473	0.1289 0.1550	0.1364	0.1424	Ave		0.1385			6.7		15.0				
1,2,4-Trichlorobenzene	0.8780 0.8346	0.8566 0.8774	0.9060 0.8067	0.9220	0.9403	Ave		0.8777			5.1		15.0				
Hexachlorobutadiene	0.7207 0.5594	0.6756 0.5956	0.6617 0.5585	0.6244	0.6187	Ave		0.6268			9.1		15.0				
Naphthalene	2.0193 1.7812	1.9850 1.7512	2.0797 1.6141	2.0871	2.0959	Ave		1.9267			9.6		15.0				
1,2,3-Trichlorobenzene	0.9386 0.8073	0.9117 0.8447	0.9395 0.7749	0.9166	0.9250	Ave		0.8823			7.3		15.0				
1,2-Dichloroethane-d4 (Surr)	0.3002 0.2954	0.2959 0.2902	0.2919 0.2943	0.2889	0.2907	Ave		0.2934			1.3		15.0				
Toluene-d8 (Surr)	0.9705 0.9846	0.9813 0.9980	0.9858 0.9915	0.9841	0.9757	Ave		0.9839			0.9		15.0				
4-Bromofluorobenzene (Surr)	0.9713 1.0103	0.9931 1.0292	1.0025 1.0258	1.0469	0.9949	Ave		1.0092			2.4		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-93020/3	E7352.D
Level 2	STD010 510-93020/4	E7353.D
Level 3	STD020 510-93020/5	E7354.D
Level 4	STD040 510-93020/6	E7355.D
Level 5	STD050 510-93020/7	E7356.D
Level 6	STD100 510-93020/8	E7357.D
Level 7	STD150 510-93020/9	E7358.D
Level 8	STD200 510-93020/10	E7359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	69542 1197506	127124 1769166	221231 2403233	464749	620476	5.00 100	10.0 150	20.0 200	40.0	50.0
Chloromethane	FB	Ave	60563 1037538	113249 1454270	191119 1983488	415448	558012	5.00 100	10.0 150	20.0 200	40.0	50.0
Vinyl chloride	FB	Ave	88102 1699866	167665 2559263	290645 3483902	626163	867151	5.00 100	10.0 150	20.0 200	40.0	50.0
Bromomethane	FB	Lin	15995 129946	28160 189760	39161 +++++	55086	79041	5.00 100	10.0 150	20.0 +++++	40.0	50.0
Chloroethane	FB	Ave	47188 404941	86034 444215	151112 +++++	306525	409688	5.00 100	10.0 150	20.0 +++++	40.0	50.0
Trichlorofluoromethane	FB	Ave	72574 1215314	137193 1694646	239343 +++++	490852	699563	5.00 100	10.0 150	20.0 +++++	40.0	50.0
1,2-Dichlorotrifluoroethane	FB	Ave	69002 1150781	125822 1585889	220676 2119536	457243	657709	5.00 100	10.0 150	20.0 200	40.0	50.0
Acrolein	FB	Ave	6477 119334	11629 156022	22602 224288	44817	63411	5.02 100	10.0 151	20.1 201	40.2	50.2
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	35818 633486	67215 861578	117720 1151051	243290	352714	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1-Dichloroethene	FB	Ave	46113 734307	83602 1101187	157249 1401056	319905	436810	5.00 100	10.0 150	20.0 200	40.0	50.0
Acetone	FB	Lin2	8802 113760	13291 173551	23539 261562	50681	67639	5.00 100	10.0 150	20.0 200	40.0	50.0
Iodomethane	FB	Ave	32964 599399	67831 873333	138157 933647	273749	379056	5.00 100	10.0 150	20.0 200	40.0	50.0
Carbon disulfide	FB	Ave	139300 2198683	256618 3194846	498782 3940587	990507	1346475	5.00 100	10.0 150	20.0 200	40.0	50.0
Methyl acetate	FB	Ave	61061 916114	107155 1311570	194307 1848351	386120	532726	5.00 100	10.0 150	20.0 200	40.0	50.0
Methylene Chloride	FB	Ave	56236 827951	96821 1261953	176224 1660979	354544	477914	5.00 100	10.0 150	20.0 200	40.0	50.0

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53

Calibration End Date: 01/28/2012 10:54

Calibration ID: 4560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
t-Butyl alcohol	FB	Ave	23774 404894	42059 702733	74850 965923	159951	213701	20.0 400	40.0 600	80.0 800	160	200
Acrylonitrile	FB	Ave	18297 293793	33141 443645	60877 608848	122463	165048	5.00 100	10.0 150	20.0 200	40.0	50.0
trans-1,2-Dichloroethene	FB	Ave	52736 832837	94050 1239854	180854 1567447	364870	496188	5.00 100	10.0 150	20.0 200	40.0	50.0
Methyl tert-butyl ether	FB	Ave	134634 2111089	246831 3034177	465135 3865361	932270	1289010	5.00 100	10.0 150	20.0 200	40.0	50.0
Hexane	FB	Ave	91346 1395253	166057 2047449	318600 2565532	613011	827854	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1-Dichloroethane	FB	Ave	93071 1457041	170145 2178868	325187 2744497	644810	887162	5.00 100	10.0 150	20.0 200	40.0	50.0
Vinyl acetate	FB	Ave	225728 3423411	417466 4633295	758416 5871274	1525600	2071874	10.0 200	20.0 300	40.0 400	80.0	100
Isopropyl ether	FB	Ave	156240 2354843	283502 3371533	545458 4146205	1074046	1471442	5.00 100	10.0 150	20.0 200	40.0	50.0
Ethyl-t-butyl ether (ETBE)	FB	Ave	123432 2008161	231197 2959333	435126 3725114	883601	1222985	5.00 100	10.0 150	20.0 200	40.0	50.0
cis-1,2-Dichloroethene	FB	Ave	56778 908293	105248 1361688	197882 1717050	404963	573234	5.00 100	10.0 150	20.0 200	40.0	50.0
2,2-Dichloropropane	FB	Ave	70677 1226212	133192 1869453	258610 2365754	533120	760388	5.00 100	10.0 150	20.0 200	40.0	50.0
2-Butanone (MEK)	FB	Ave	8804 143963	15539 218390	29190 315363	61723	86804	5.00 100	10.0 150	20.0 200	40.0	50.0
Ethyl acetate	FB	Ave	64025 997125	120473 1543808	218451 2097805	436221	588985	5.00 100	10.0 150	20.0 200	40.0	50.0
Propionitrile	DCB	Ave	7678 124586	13668 202820	25593 271881	53343	72398	5.00 100	10.0 150	20.0 200	40.0	50.0
Chlorobromomethane	FB	Ave	31096 476065	56561 793170	108205 914994	221884	306713	5.00 100	10.0 150	20.0 200	40.0	50.0
Tetrahydrofuran	DCB	Ave	21615 303315	33078 436880	59928 625876	123267	166602	5.00 100	10.0 150	20.0 200	40.0	50.0
Chloroform	FB	Ave	92556 1452571	170636 2190699	326837 2687053	654987	887952	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1,1-Trichloroethane	FB	Ave	79996 1309220	147912 1988033	281969 2497332	571592	793010	5.00 100	10.0 150	20.0 200	40.0	50.0
Cyclohexane	FB	Ave	91696 1585061	174588 2378022	346542 2958106	700817	960819	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1-Dichloropropene	FB	Ave	78429 1326597	147636 2005745	289654 2492504	580311	800658	5.00 100	10.0 150	20.0 200	40.0	50.0
Carbon tetrachloride	FB	Ave	63760 1100428	119469 1677929	235499 2093214	477006	663227	5.00 100	10.0 150	20.0 200	40.0	50.0

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53

Calibration End Date: 01/28/2012 10:54

Calibration ID: 4560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Qua	239336	433866	816515	1575859	2088065	5.00	10.0	20.0	40.0	50.0
			3231549	4557357	5380084			100	150	200		
1,2-Dichloroethane	FB	Ave	69218	126394	244739	487092	667176	5.00	10.0	20.0	40.0	50.0
			1119363	1684531	2158605			100	150	200		
Isobutanol	FB	Ave	19238	36432	65607	136445	193031	5.00	10.0	20.0	40.0	50.0
			326608	489350	654084			100	150	200		
Tert-amyl-methyl ether (TAME)	FB	Ave	118664	228311	447831	923834	1295149	5.00	10.0	20.0	40.0	50.0
			2131910	3162026	4015944			100	150	200		
n-Butanol	FB	Ave	15122	25738	53185	122273	166367	55.0	110	220	440	550
			333665	518315	754443			1100	1650	2200		
Trichloroethene	FB	Ave	52871	95682	185828	369243	504736	5.00	10.0	20.0	40.0	50.0
			843110	1296667	1607031			100	150	200		
Methylcyclohexane	FB	Ave	107880	206584	407363	792202	1078845	5.00	10.0	20.0	40.0	50.0
			1777266	2619046	3237124			100	150	200		
1,2-Dichloropropane	FB	Ave	56917	101043	199986	402262	557682	5.00	10.0	20.0	40.0	50.0
			943808	1468634	1879036			100	150	200		
Dibromomethane	FB	Ave	28961	51495	99859	206433	280250	5.00	10.0	20.0	40.0	50.0
			490871	761491	995345			100	150	200		
Dichlorobromomethane	FB	Ave	60571	115027	230490	477465	653407	5.00	10.0	20.0	40.0	50.0
			1116543	1742560	2209079			100	150	200		
2-Chloroethyl vinyl ether	FB	Ave	19849	41928	84275	201492	292186	10.0	20.0	40.0	80.0	100
			568280	791712	1164166			200	300	400		
cis-1,3-Dichloropropene	FB	Ave	65349	129544	270971	573711	783834	5.00	10.0	20.0	40.0	50.0
			1357073	2107925	2663923			100	150	200		
Methyl isobutyl ketone (MIBK)	FB	Ave	37910	76566	152158	328342	450648	5.00	10.0	20.0	40.0	50.0
			821001	1273961	1792541			100	150	200		
Toluene	FB	Qua	244128	434831	819238	1570079	2046893	5.00	10.0	20.0	40.0	50.0
			3210047	4525060	5353052			100	150	200		
trans-1,3-Dichloropropene	FB	Ave	54595	109355	229093	499129	675134	5.00	10.0	20.0	40.0	50.0
			1202962	1900994	2426349			100	150	200		
Ethyl methacrylate	FB	Ave	58418	121010	249657	548801	750828	5.00	10.0	20.0	40.0	50.0
			1318864	1997042	2595589			100	150	200		
1,1,2-Trichloroethane	FB	Ave	36995	68277	132759	268556	358953	5.00	10.0	20.0	40.0	50.0
			634248	997488	1299069			100	150	200		
Tetrachloroethene	FB	Ave	43565	80871	154642	311947	415585	5.00	10.0	20.0	40.0	50.0
			711840	1086090	1351894			100	150	200		
1,3-Dichloropropane	FB	Ave	80259	150582	294685	600714	805991	5.00	10.0	20.0	40.0	50.0
			1370795	2103865	2667471			100	150	200		
2-Hexanone	FB	Ave	28307	55733	114138	260299	347158	5.00	10.0	20.0	40.0	50.0
			650155	1016322	1464266			100	150	200		
Chlorodibromomethane	FB	Ave	35971	70467	140902	307884	409977	5.00	10.0	20.0	40.0	50.0
			748530	1203247	1555738			100	150	200		



FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethylene Dibromide	FB	Ave	36565 679745	68744 1059114	134891 1390554	284536	376384	5.00 100	10.0 150	20.0 200	40.0	50.0
Chlorobenzene	CBZ	Ave	142000 2115404	262792 3163141	493497 3842589	979350	1241461	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	43505 797766	82368 1274492	162388 1605662	338510	448278	5.00 100	10.0 150	20.0 200	40.0	50.0
Ethylbenzene	CBZ	Qua	239564 3582831	457009 5021202	894389 5877383	1763869	2227215	5.00 100	10.0 150	20.0 200	40.0	50.0
m-Xylene & p-Xylene	CBZ	Qua	388599 4902930	729837 6624593	1378815 7503483	2606698	3199724	10.0 200	20.0 300	40.0 400	80.0	100
o-Xylene	CBZ	Ave	177567 3022835	352598 4389840	707702 5179889	1435991	1790587	5.00 100	10.0 150	20.0 200	40.0	50.0
Styrene	CBZ	Ave	134667 2419133	272807 3602065	547962 4295738	1121761	1390462	5.00 100	10.0 150	20.0 200	40.0	50.0
Bromoform	CBZ	Ave	22464 510802	43740 841590	90413 1129739	204712	260187	5.00 100	10.0 150	20.0 200	40.0	50.0
Isopropylbenzene	CBZ	Ave	180424 3236800	369171 4664689	763360 5450912	1543879	1932200	5.00 100	10.0 150	20.0 200	40.0	50.0
1,1,2,2-Tetrachloroethane	DCB	Ave	61156 1040243	111317 1607429	213567 2124060	442351	568049	5.00 100	10.0 150	20.0 200	40.0	50.0
Bromobenzene	DCB	Ave	57219 984171	105456 1551975	207373 1926078	428830	536992	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2,3-Trichloropropane	DCB	Ave	65443 1336169	134965 2090583	261237 2647970	552590	710111	5.00 100	10.0 150	20.0 200	40.0	50.0
trans-1,4-Dichloro-2-butene	DCB	Ave	13521 290682	26250 452226	51887 648085	112179	148548	5.00 100	10.0 150	20.0 200	40.0	50.0
N-Propylbenzene	DCB	Qua	289751 4107440	553510 5573050	1074336 6603773	2073286	2510195	5.00 100	10.0 150	20.0 200	40.0	50.0
2-Chlorotoluene	DCB	Ave	170794 2707040	328787 3915894	635363 4839071	1272687	1561598	5.00 100	10.0 150	20.0 200	40.0	50.0
1,3,5-Trimethylbenzene	DCB	Ave	184052 3044803	366695 4362216	731871 5161911	1439744	1738784	5.00 100	10.0 150	20.0 200	40.0	50.0
4-Chlorotoluene	DCB	Qua	207643 3111248	391609 4625106	744025 5533228	1464521	1805521	5.00 100	10.0 150	20.0 200	40.0	50.0
tert-Butylbenzene	DCB	Ave	143564 2694867	299378 4028662	614914 4815490	1246627	1560969	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2,4-Trimethylbenzene	DCB	Qua	197469 3066337	378678 4490930	741507 5295637	1443700	1797672	5.00 100	10.0 150	20.0 200	40.0	50.0
sec-Butylbenzene	DCB	Qua	235405 3706996	469326 5274901	924318 6131929	1803506	2225621	5.00 100	10.0 150	20.0 200	40.0	50.0
1,3-Dichlorobenzene	DCB	Ave	112585 1751159	207574 2666605	403145 3292576	786698	1006148	5.00 100	10.0 150	20.0 200	40.0	50.0

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93020

SDG No.: \_\_\_\_\_

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/28/2012 06:53 Calibration End Date: 01/28/2012 10:54 Calibration ID: 4560

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Isopropyltoluene	DCB	Qua	193528 3132392	382817 4539844	760005 5324123	1474316	1847403	5.00 100	10.0 150	20.0 200	40.0	50.0
1,4-Dichlorobenzene	DCB	Ave	120631 1759935	213737 2685153	408966 3285496	786218	1014044	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2,3-Trimethylbenzene	DCB	Ave	201854 3114264	385440 4510885	757199 +++++	1458064	1848710	5.00 100	10.0 150	20.0 +++++	40.0	50.0
n-Butylbenzene	DCB	Ave	185709 3094084	370222 4439332	747840 5253230	1440100	1818551	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2-Dichlorobenzene	DCB	Ave	107997 1628438	198365 2467028	372500 3034669	724195	937652	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	8901 197713	17661 311457	34283 445525	72148	97343	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2,4-Trichlorobenzene	DCB	Ave	59787 1196120	116764 1855272	240895 2319073	487615	642846	5.00 100	10.0 150	20.0 200	40.0	50.0
Hexachlorobutadiene	DCB	Ave	49073 801626	92087 1259397	175935 1605545	330215	423011	5.00 100	10.0 150	20.0 200	40.0	50.0
Naphthalene	DCB	Ave	137500 2552651	270570 3702979	553000 4640088	1103839	1432944	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2,3-Trichlorobenzene	DCB	Ave	63915 1156978	124275 1786093	249809 2227663	484750	632377	5.00 100	10.0 150	20.0 200	40.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	439983 456957	444428 424574	423622 439875	431257	460827	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	FB	Ave	1422196 1523051	1474113 1459902	1430787 1482128	1469213	1546629	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	661410 723903	676803 725399	666423 737214	692101	680228	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD  
Lin = Linear ISTD  
Lin2 = Linear 1/conc^2 ISTD  
Qua = Quadratic ISTD

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
 Lims ID: STD005 Client ID:  
 Inject. Date: 28-Jan-2012 06:53:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: STD005  
 Misc. Info.: 510-0006241-003 =510-0006241-003  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93020 Lims Sample ID: 3  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 07:57:37 Calib Date: 28-Jan-2012 07:27:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 07:57:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.905	0.0	1	1465442	50.0	M
* 2 Chlorobenzene-d5	117	10.646	10.646	0.0	88	1092438	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.919	0.0	97	680940	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.522	0.005	0	439983	50.4	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.778	0.006	93	1422196	49.7	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.258	12.258	0.0	86	661410	49.4	
8 Dichlorodifluoromethane	85	2.050	2.050	0.0	79	69542	5.00	M
9 Chloromethane	50	2.269	2.263	0.006	89	60563	5.23	
10 Vinyl chloride	62	2.397	2.397	0.0	82	88102	5.19	
11 Bromomethane	94	2.774	2.744	0.030	88	15995	5.38	
12 Chloroethane	64	2.890	2.865	0.025	93	47188	5.29	
13 Trichlorofluoromethane	101	3.182	3.170	0.012	76	72574	5.20	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.498	3.494	0.004	87	69002	5.29	
15 Acrolein	56	3.638	3.637	0.001	84	6477	5.35	
16 1,1-Dichloroethene	96	3.747	3.735	0.012	88	46113	5.31	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.747	3.738	0.009	66	35818	5.22	
18 Acetone	58	3.796	3.796	0.0	90	8802	7.22	
19 Iodomethane	142	3.912	3.906	0.006	96	32964	4.99	
20 Carbon disulfide	76	3.991	3.985	0.006	98	139300	5.27	
21 Methyl acetate	43	4.149	4.143	0.006	97	61061	5.39	
22 Methylene Chloride	84	4.258	4.252	0.006	85	56236	5.44	
23 2-Methyl-2-propanol	59	4.374	4.380	-0.006	90	23774	21.5	
24 Acrylonitrile	53	4.514	4.514	0.0	98	18297	5.31	
25 trans-1,2-Dichloroethene	96	4.556	4.550	0.006	70	52736	5.35	
26 Methyl tert-butyl ether	73	4.556	4.557	-0.001	90	134634	5.28	
27 Hexane	57	4.842	4.836	0.006	93	91346	5.30	
28 1,1-Dichloroethane	63	5.007	5.001	0.006	85	93071	5.29	
29 Vinyl acetate	43	5.049	5.049	0.0	99	225728	10.5	
30 Isopropyl ether	45	5.067	5.067	0.0	1	156240	10.0	M
31 Tert-butyl ethyl ether	59	5.457	5.457	0.0	92	123432	5.23	

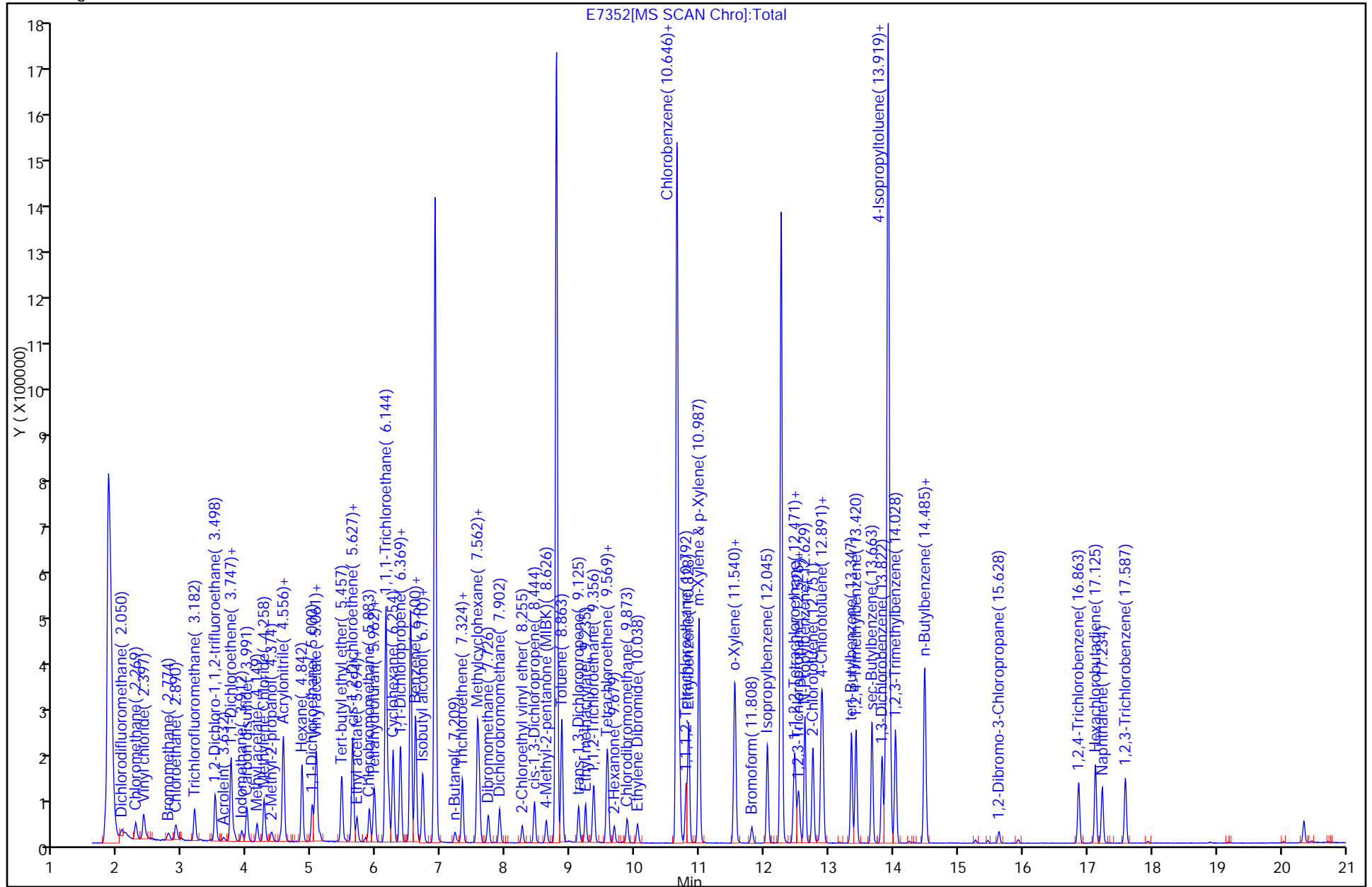
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.627	5.621	0.006	88	56778	5.25	
33 2,2-Dichloropropane	77	5.627	5.627	0.0	69	70677	5.21	
34 2-Butanone (MEK)	72	5.633	5.633	0.0	52	8804	5.37	
105 Ethyl acetate	43	5.694	5.690	0.004	0	64025	5.21	
93 Propionitrile	54	5.706	5.700	0.006	0	7678	5.29	
35 Chlorobromomethane	130	5.889	5.883	0.006	84	31096	5.30	
95 Tetrahydrofuran	42	5.950	5.950	0.0	0	21615	5.00	
36 Chloroform	83	5.968	5.962	0.006	70	92556	5.27	
37 1,1,1-Trichloroethane	97	6.181	6.181	0.0	90	79996	5.26	
38 Cyclohexane	84	6.254	6.254	0.0	88	91696	5.18	
39 1,1-Dichloropropene	75	6.369	6.363	0.006	94	78429	5.21	
40 Carbon tetrachloride	117	6.369	6.369	0.0	69	63760	5.22	
41 Benzene	78	6.600	6.601	-0.001	69	239336	5.31	
42 1,2-Dichloroethane	62	6.607	6.607	0.0	44	69218	5.29	
43 Isobutyl alcohol	41	6.710	6.710	0.0	42	19238	5.20	
44 Tert-amyl methyl ether	73	6.716	6.710	0.006	95	118664	5.16	
102 n-Butanol	56	7.215	7.215	0.0	0	15122	60.1	
45 Trichloroethene	132	7.330	7.325	0.005	95	52871	5.31	
46 Methylcyclohexane	83	7.562	7.562	0.0	93	107880	5.17	
47 1,2-Dichloropropane	63	7.586	7.586	0.0	0	56917	5.00	M
48 Dibromomethane	93	7.726	7.726	0.0	89	28961	5.36	
49 Dichlorobromomethane	83	7.902	7.902	0.0	93	60571	5.19	
50 2-Chloroethyl vinyl ether	63	8.255	8.249	0.006	87	19849	9.85	
54 cis-1,3-Dichloropropene	75	8.444	8.438	0.006	87	65349	5.08	
52 4-Methyl-2-pentanone (MIBK)	43	8.626	8.620	0.006	94	37910	5.04	
53 Toluene	91	8.863	8.864	-0.001	65	244128	5.35	
51 trans-1,3-Dichloropropene	75	9.125	9.125	0.0	89	54595	5.06	
55 Ethyl methacrylate	69	9.235	9.229	0.006	96	58418	4.97	
56 1,1,2-Trichloroethane	83	9.356	9.363	-0.006	87	36995	5.26	
57 Tetrachloroethene	164	9.563	9.563	0.0	89	43565	5.25	
58 1,3-Dichloropropane	76	9.581	9.582	-0.001	89	80259	5.22	
59 2-Hexanone	43	9.673	9.673	0.0	95	28307	5.10	
60 Chlorodibromomethane	129	9.873	9.880	-0.007	91	35971	5.11	
61 Ethylene Dibromide	107	10.038	10.038	0.0	98	36565	5.22	
62 Chlorobenzene	112	10.689	10.689	0.0	0	142000	5.29	M
63 1,1,1,2-Tetrachloroethane	131	10.792	10.792	0.0	84	43505	5.23	
64 Ethylbenzene	91	10.828	10.829	-0.001	97	239564	5.22	
65 m-Xylene & p-Xylene	91	10.993	10.987	0.006	0	388599	10.5	
66 o-Xylene	91	11.534	11.534	0.0	92	177567	5.12	
67 Styrene	104	11.552	11.553	-0.001	90	134667	5.07	
68 Bromoform	173	11.808	11.808	0.0	94	22464	5.16	
69 Isopropylbenzene	105	12.045	12.045	0.0	97	180424	5.04	
71 1,1,2,2-Tetrachloroethane	83	12.453	12.453	0.0	96	61156	5.24	
70 Bromobenzene	156	12.477	12.477	0.0	91	57219	5.21	
72 1,2,3-Trichloropropane	75	12.526	12.526	0.0	41	65443	4.93	
73 trans-1,4-Dichloro-2-butene	53	12.538	12.538	0.0	43	13521	5.08	
74 N-Propylbenzene	91	12.629	12.629	0.0	97	289751	5.12	
75 2-Chlorotoluene	91	12.751	12.751	0.0	95	170794	5.10	
76 1,3,5-Trimethylbenzene	105	12.879	12.879	0.0	37	184052	9.93	M
77 4-Chlorotoluene	91	12.903	12.903	0.0	92	207643	5.15	
78 tert-Butylbenzene	119	13.353	13.347	0.006	87	143564	4.90	
80 1,2,4-Trimethylbenzene	105	13.420	13.420	0.0	59	197469	5.11	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.669	13.664	0.005	94	235405	5.01	
82 1,3-Dichlorobenzene	146	13.822	13.822	0.0	95	112585	5.21	
79 4-Isopropyltoluene	119	13.876	13.876	0.0	88	193528	5.03	
83 1,4-Dichlorobenzene	146	13.949	13.949	0.0	92	120631	5.38	M
99 1,2,3-Trimethylbenzene	105	14.028	14.031	-0.003	0	201854	5.12	
84 n-Butylbenzene	91	14.479	14.473	0.006	94	185709	5.01	
85 1,2-Dichlorobenzene	146	14.491	14.497	-0.006	87	107997	5.21	
86 1,2-Dibromo-3-Chloropropane	157	15.634	15.635	-0.001	39	8901	5.02	
87 1,2,4-Trichlorobenzene	180	16.863	16.869	-0.006	91	59787	5.06	
88 Hexachlorobutadiene	225	17.131	17.125	0.006	87	49073	5.16	
89 Naphthalene	128	17.234	17.228	0.006	97	137500	5.04	
90 1,2,3-Trichlorobenzene	180	17.587	17.593	-0.006	93	63915	5.07	
S 92 Total 1,2-dichloroethene	100				0		10.6	
S 91 Xylenes, Total	100				0		15.6	

## QC Flag Legend

Review Flags

M - Manually Integrated

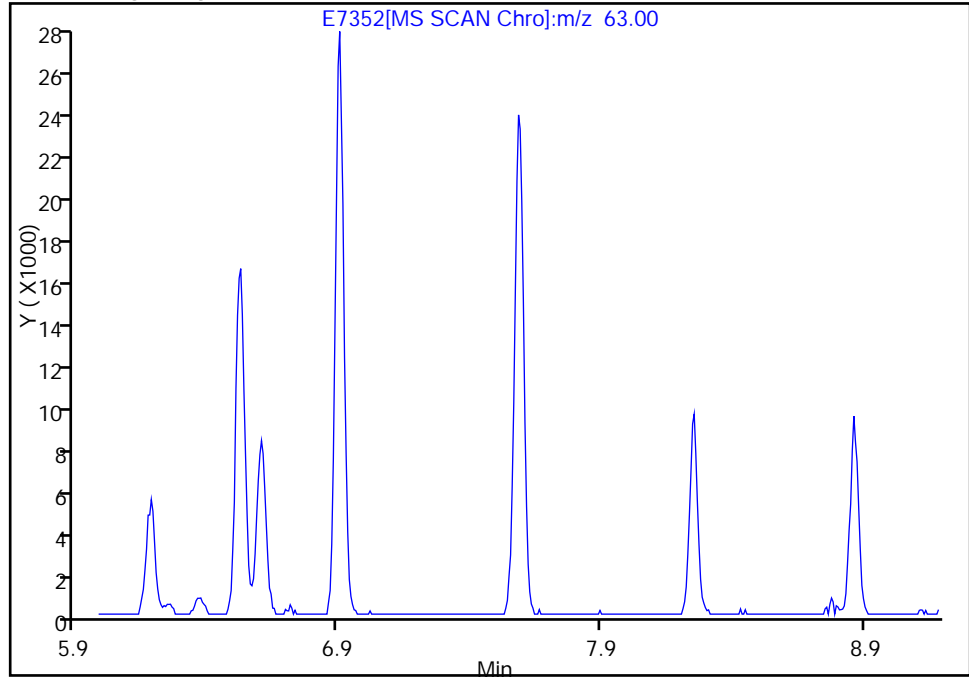


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
Injection Date: 28-Jan-2012 06:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 3  
Operator ID: JLH

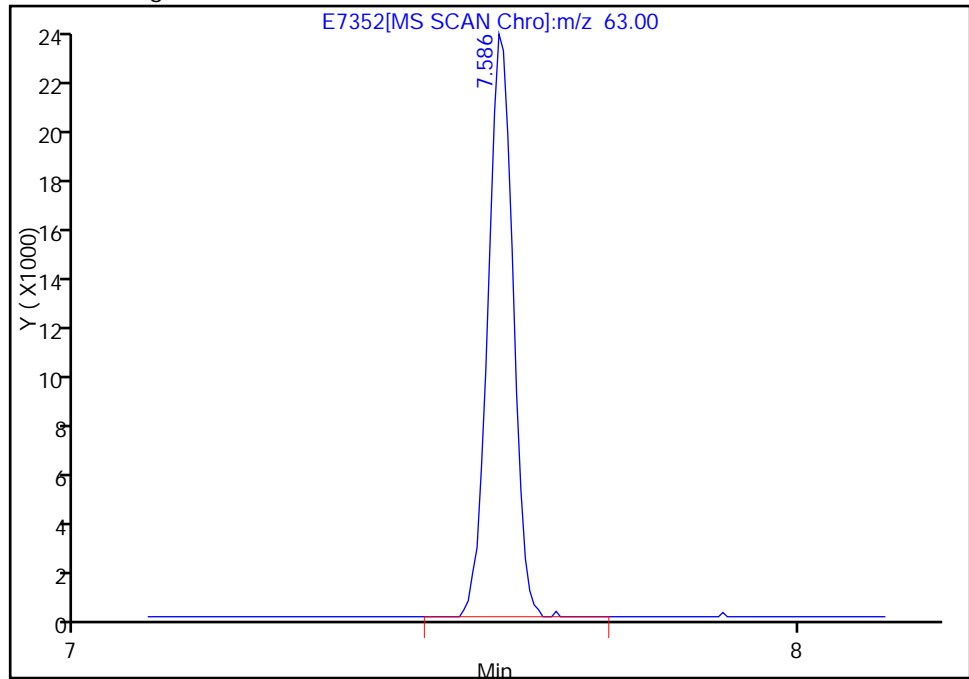
47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.59

Not Detected  
Expected RT: 7.59

Processing Integration Results



Manual Integration Results



RT: 7.59  
Response: 56917  
Amount: 5.000000

Reviewer: hallj, 28-Jan-2012 07:21:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D

Injection Date: 28-Jan-2012 06:53:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

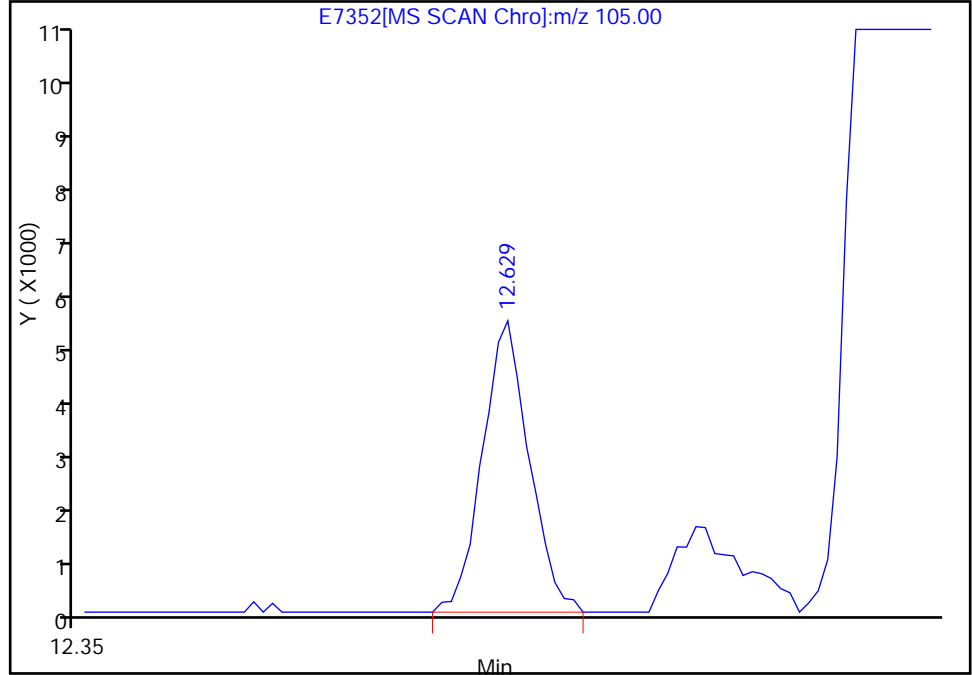
Lims Sample ID: 3

Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

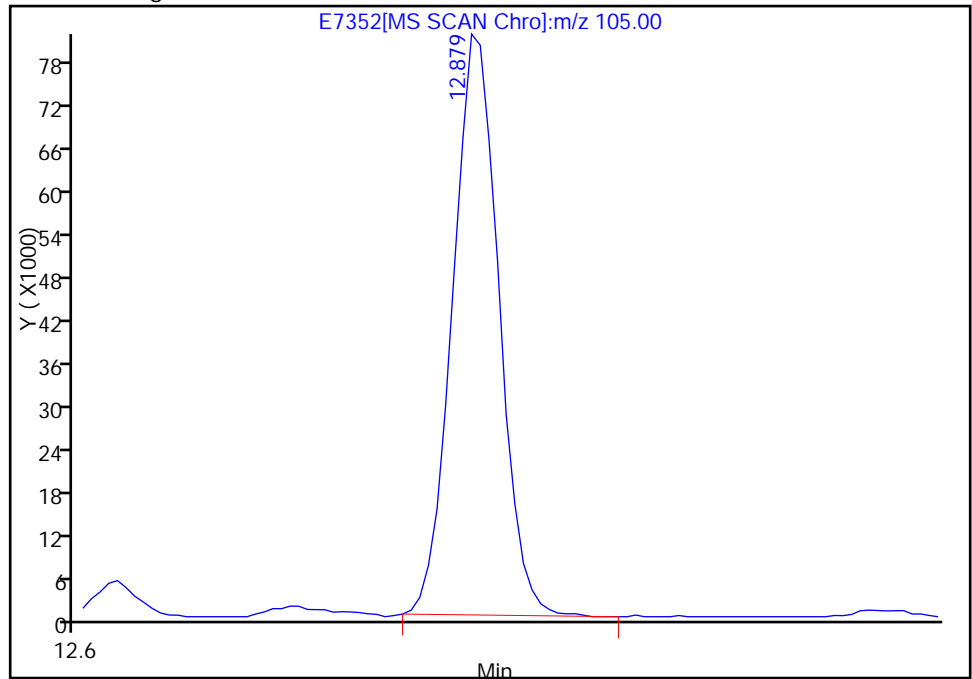
RT: 12.63  
Response: 10589  
Amount: 5.000000

Processing Integration Results



RT: 12.88  
Response: 184052  
Amount: 9.932787

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 07:21:33

Audit Action: Manually Integrated

Audit Reason: Assign Peak



Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D

Injection Date: 28-Jan-2012 06:53:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

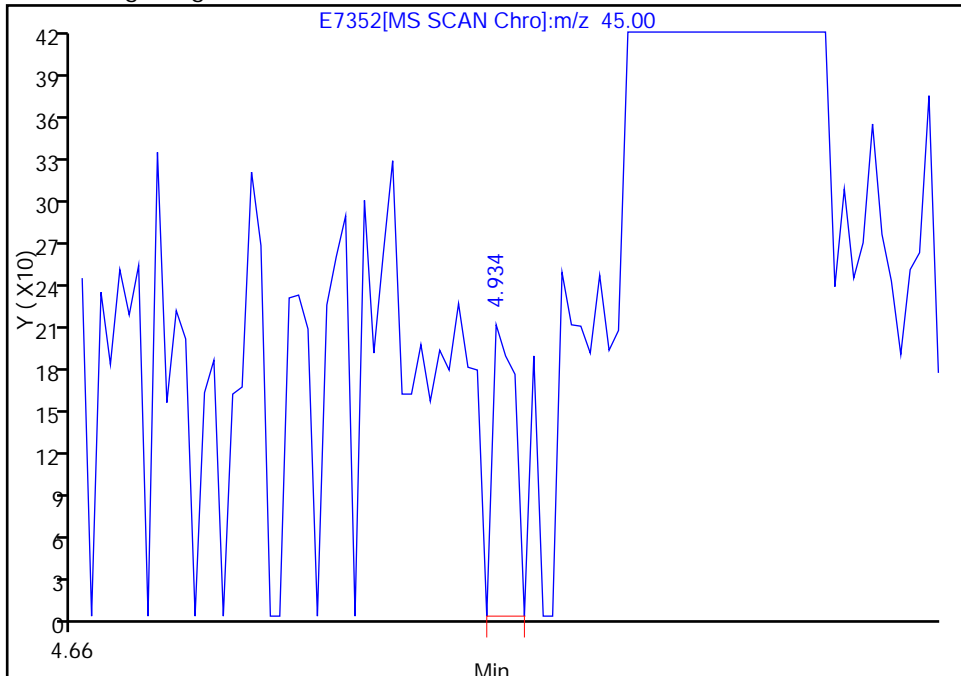
Lims Sample ID: 3

Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

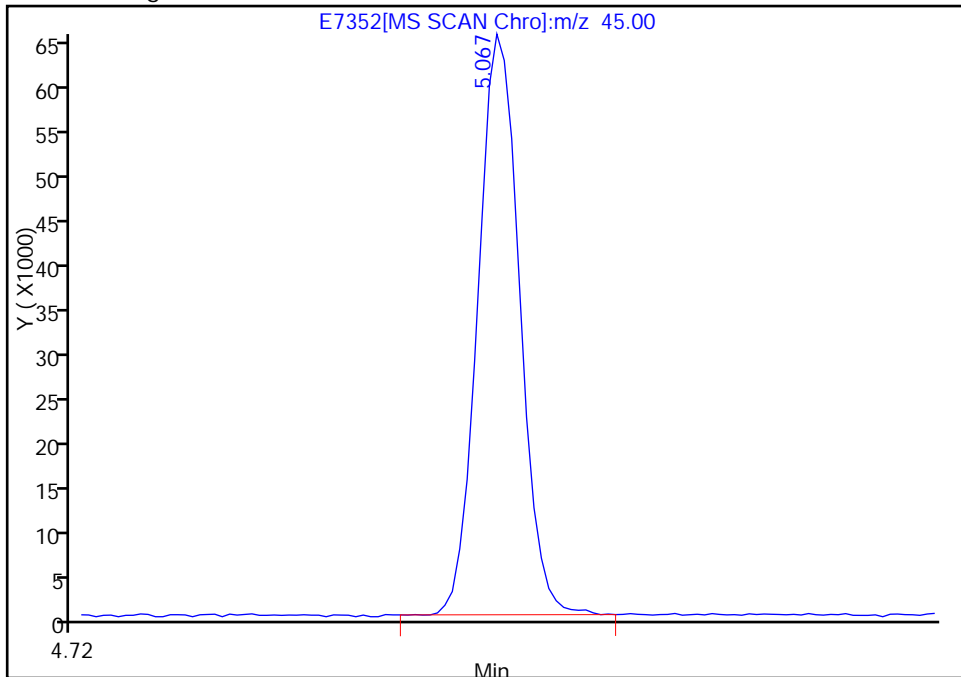
RT: 4.93  
Response: 205  
Amount: 5.000000

Processing Integration Results



RT: 5.07  
Response: 156240  
Amount: 9.990986

Manual Integration Results



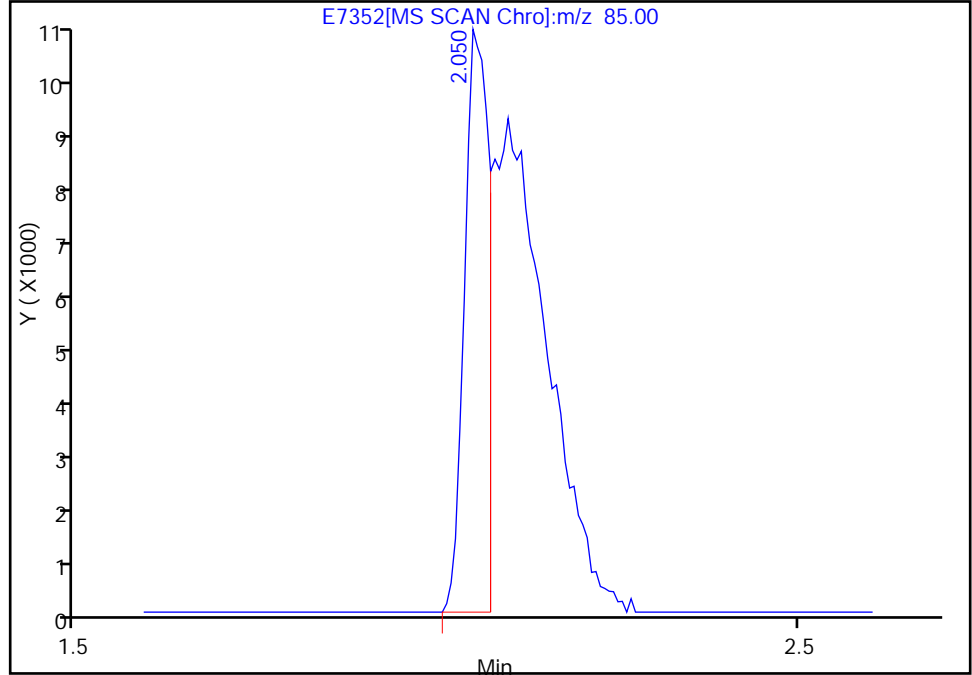
Reviewer: hallj, 28-Jan-2012 07:21:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
Injection Date: 28-Jan-2012 06:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 3  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.05

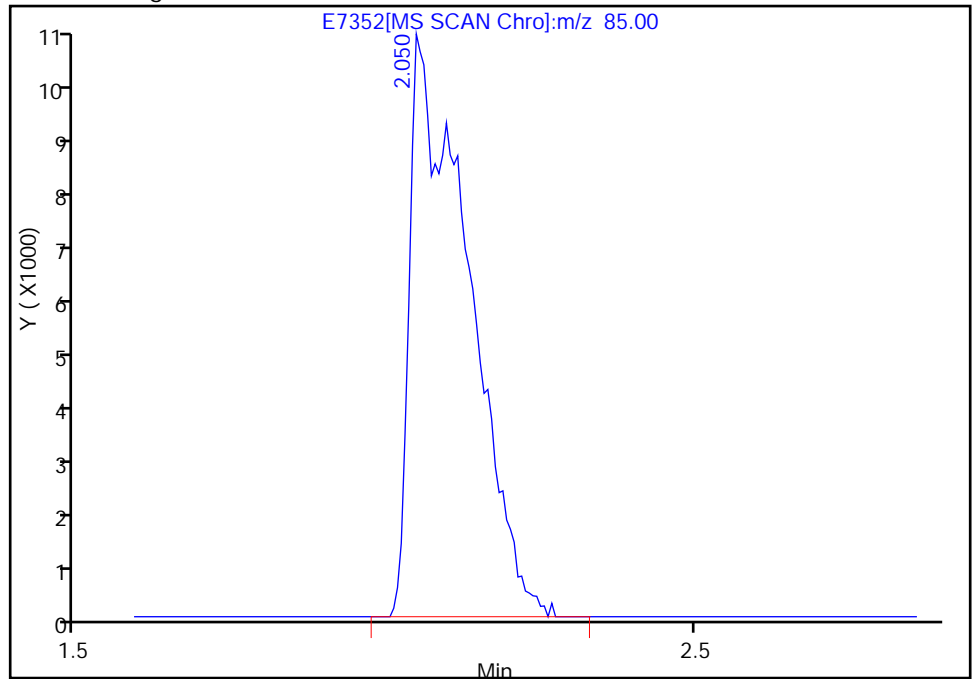
RT: 2.05  
Response: 24747  
Amount: 5.000000

Processing Integration Results



RT: 2.05  
Response: 69542  
Amount: 5.000000

Manual Integration Results



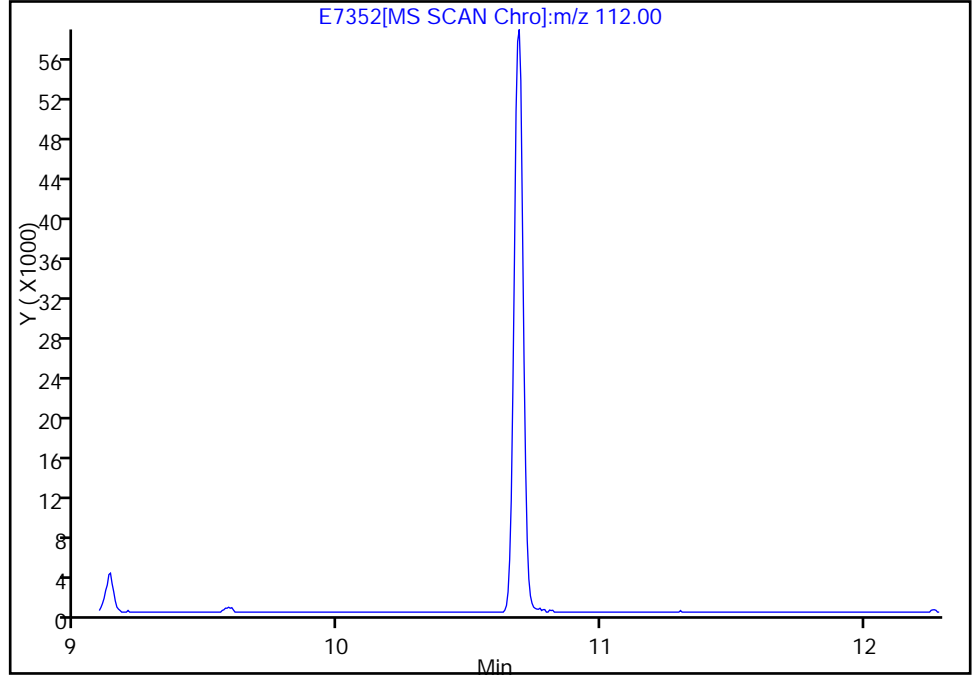
Reviewer: hallj, 28-Jan-2012 07:21:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
Injection Date: 28-Jan-2012 06:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 3  
Operator ID: JLH

62 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 10.69

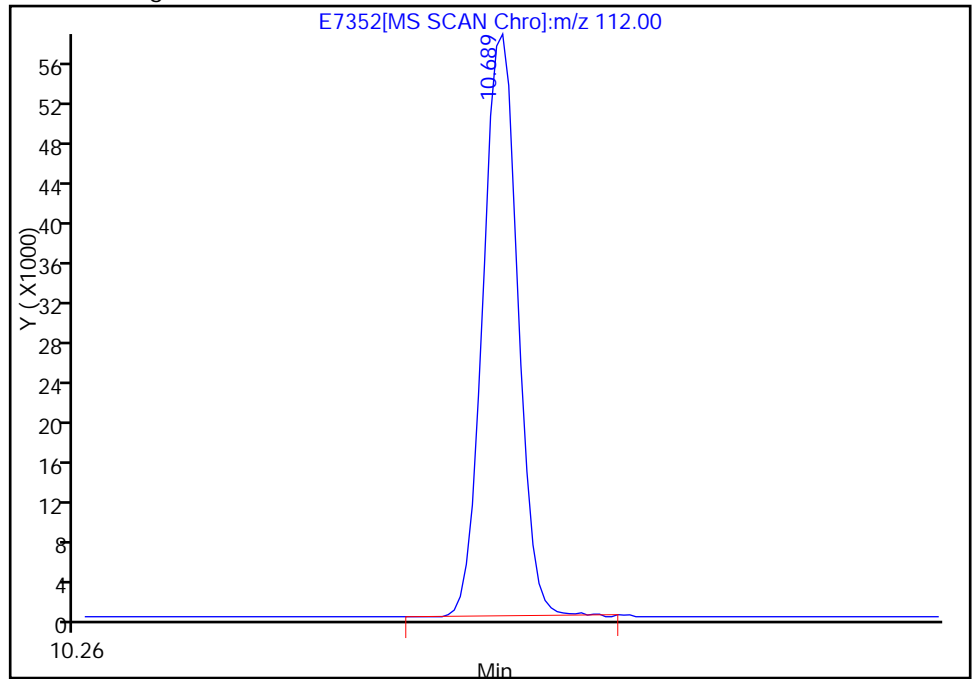
Not Detected  
Expected RT: 10.69

Processing Integration Results



RT: 10.69  
Response: 142000  
Amount: 5.290894

Manual Integration Results



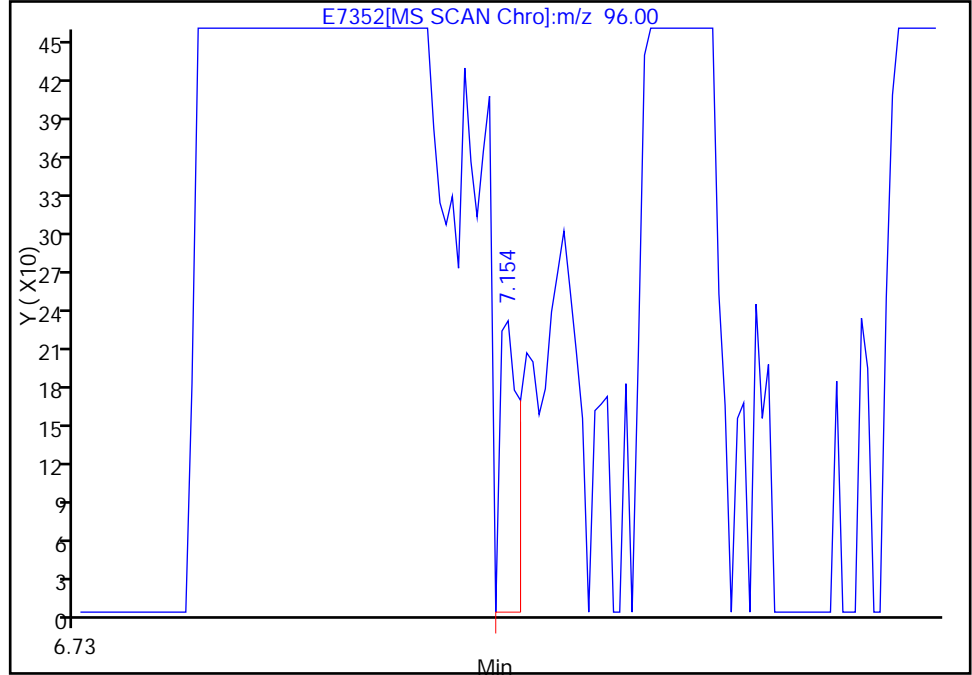
Reviewer: hallj, 28-Jan-2012 07:21:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
Injection Date: 28-Jan-2012 06:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 3  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

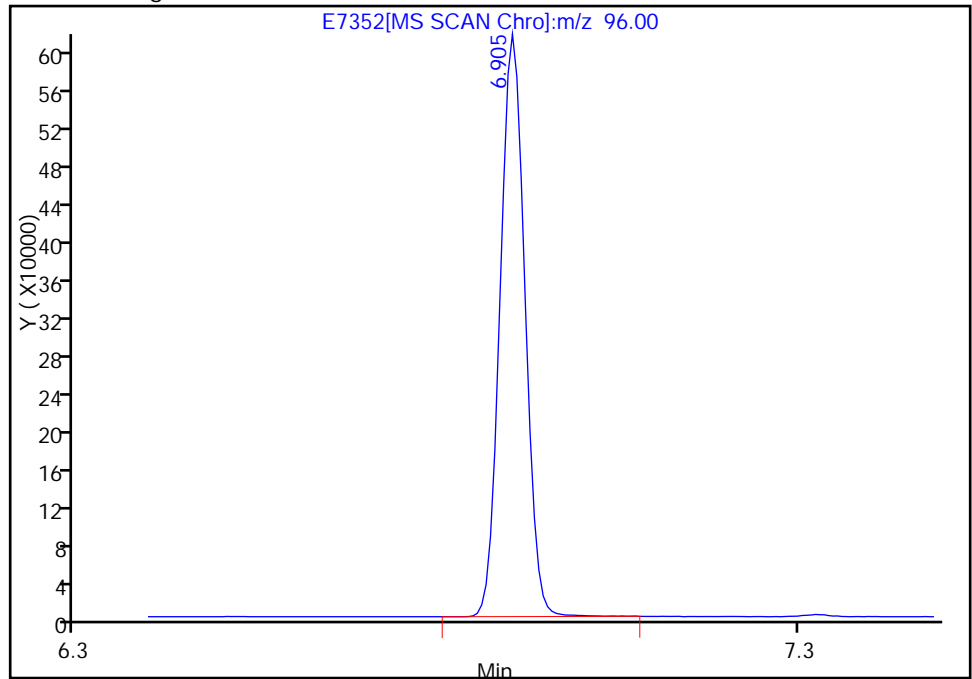
RT: 7.15  
Response: 286  
Amount: 50.000000

Processing Integration Results



RT: 6.90  
Response: 1465442  
Amount: 50.000000

Manual Integration Results



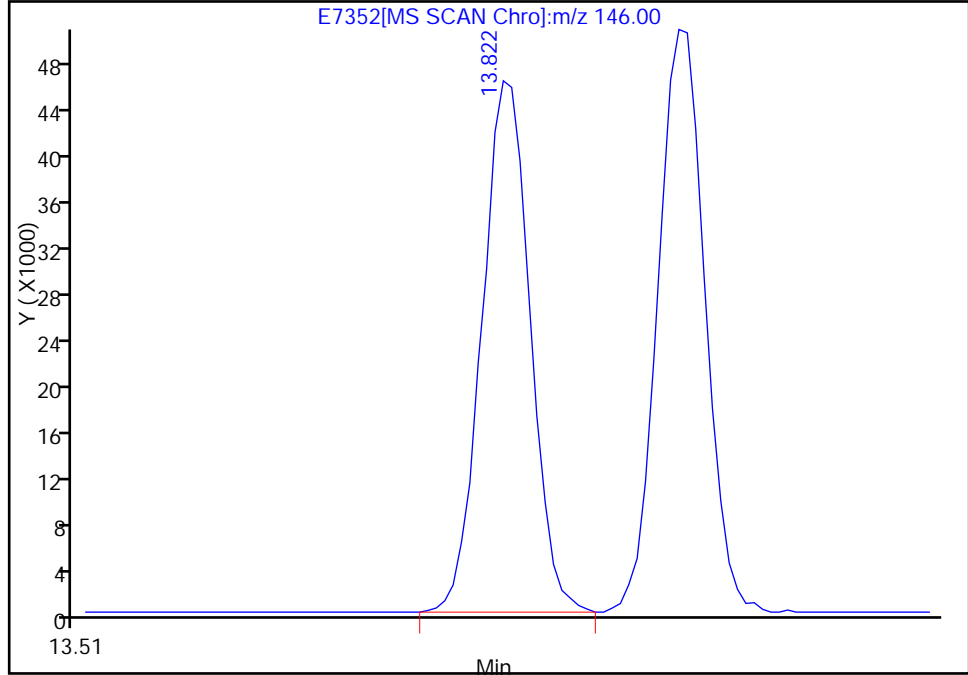
Reviewer: hallj, 28-Jan-2012 07:57:37  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7352.D  
Injection Date: 28-Jan-2012 06:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 3  
Operator ID: JLH

83 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.95

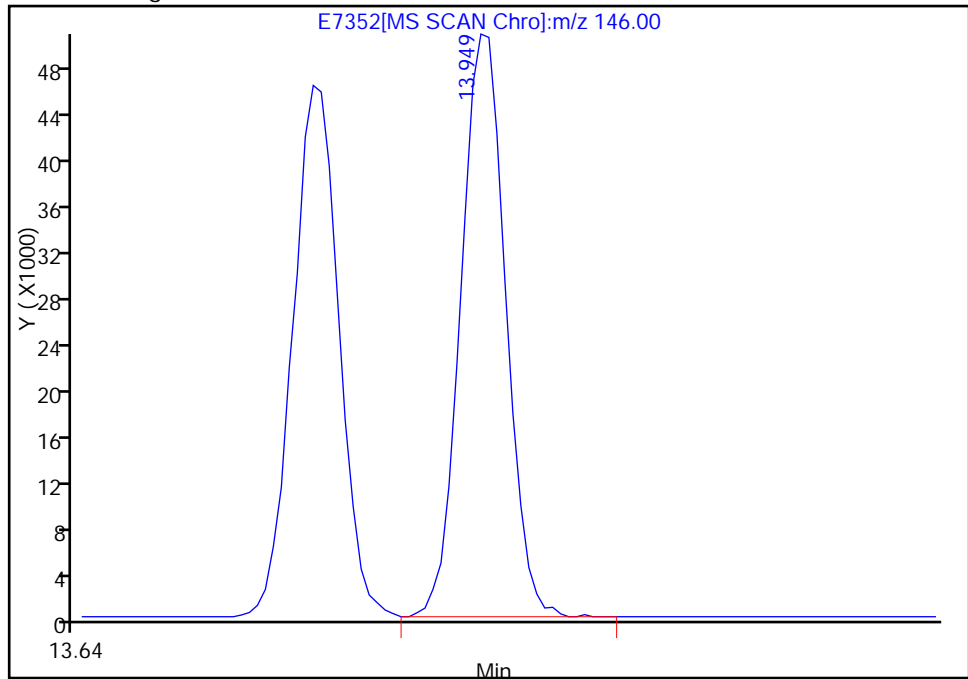
RT: 13.82  
Response: 112585  
Amount: 5.000000

Processing Integration Results



RT: 13.95  
Response: 120631  
Amount: 5.377413

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 07:21:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
 Lims ID: STD010 Client ID:  
 Inject. Date: 28-Jan-2012 07:27:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: STD010  
 Misc. Info.: 510-0006241-004 =510-0006241-004  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 2  
 Lims Batch ID: 93020 Lims Sample ID: 4  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 07:59:00 Calib Date: 28-Jan-2012 07:27:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 07:59:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.907	6.905	0.002	1	1502150	50.0	M
* 2 Chlorobenzene-d5	117	10.649	10.646	0.003	89	1135746	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.916	13.919	-0.003	95	681524	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.524	6.522	0.002	0	444428	49.6	
\$ 6 Toluene-d8 (Surr)	98	8.781	8.778	0.003	93	1474113	50.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.261	12.258	0.003	86	676803	50.6	
8 Dichlorodifluoromethane	85	2.053	2.053	0.0	85	127124	9.43	M
9 Chloromethane	50	2.266	2.263	0.003	89	113249	9.54	
10 Vinyl chloride	62	2.394	2.397	-0.003	82	167665	9.63	
11 Bromomethane	94	2.777	2.744	0.033	89	28160	9.24	
12 Chloroethane	64	2.886	2.865	0.021	94	86034	9.41	
13 Trichlorofluoromethane	101	3.184	3.170	0.014	94	137193	9.59	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.501	3.494	0.007	87	125822	9.41	
15 Acrolein	56	3.635	3.637	-0.002	88	11629	9.38	
16 1,1-Dichloroethene	96	3.744	3.735	0.009	89	83602	9.39	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.744	3.738	0.006	67	67215	9.56	
18 Acetone	58	3.793	3.793	0.0	90	13291	10.0	M
19 Iodomethane	142	3.908	3.906	0.002	98	67831	10.0	
20 Carbon disulfide	76	3.993	3.985	0.008	99	256618	9.47	
21 Methyl acetate	43	4.152	4.143	0.009	97	107155	9.22	
22 Methylene Chloride	84	4.261	4.252	0.009	85	96821	9.13	
23 2-Methyl-2-propanol	59	4.377	4.380	-0.003	94	42059	37.1	
24 Acrylonitrile	53	4.517	4.514	0.003	99	33141	9.38	
25 trans-1,2-Dichloroethene	96	4.553	4.550	0.003	69	94050	9.30	
26 Methyl tert-butyl ether	73	4.553	4.557	-0.004	91	246831	9.44	
27 Hexane	57	4.845	4.836	0.009	92	166057	9.40	
28 1,1-Dichloroethane	63	5.003	5.001	0.002	85	170145	9.43	
29 Vinyl acetate	43	5.052	5.049	0.003	99	417466	19.0	
30 Isopropyl ether	45	5.070	5.070	0.0	1	283502	9.39	M
31 Tert-butyl ethyl ether	59	5.460	5.457	0.003	92	231197	9.55	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.630	5.621	0.009	86	105248	9.50	
33 2,2-Dichloropropane	77	5.630	5.627	0.003	72	133192	9.58	
34 2-Butanone (MEK)	72	5.636	5.633	0.003	55	15539	9.25	
105 Ethyl acetate	43	5.697	5.690	0.007	0	120473	9.57	
93 Propionitrile	54	5.697	5.700	-0.003	0	13668	9.41	
35 Chlorobromomethane	130	5.892	5.883	0.009	86	56561	9.40	
95 Tetrahydrofuran	42	5.952	5.950	0.002	0	33078	10.0	
36 Chloroform	83	5.971	5.962	0.009	83	170636	9.47	
37 1,1,1-Trichloroethane	97	6.184	6.181	0.003	91	147912	9.48	
38 Cyclohexane	84	6.257	6.254	0.003	88	174588	9.63	
39 1,1-Dichloropropene	75	6.366	6.363	0.003	93	147636	9.57	
40 Carbon tetrachloride	117	6.372	6.369	0.003	87	119469	9.55	
41 Benzene	78	6.603	6.601	0.002	74	433866	9.39	
42 1,2-Dichloroethane	62	6.609	6.607	0.002	36	126394	9.42	
43 Isobutyl alcohol	41	6.713	6.710	0.003	41	36432	9.60	
44 Tert-amyl methyl ether	73	6.713	6.710	0.003	94	228311	9.68	
102 n-Butanol	56	7.218	7.215	0.003	0	25738	99.8	
45 Trichloroethene	132	7.327	7.325	0.002	90	95682	9.38	
46 Methylcyclohexane	83	7.564	7.562	0.002	92	206584	9.66	
47 1,2-Dichloropropane	63	7.589	7.589	0.0	0	101043	9.28	M
48 Dibromomethane	93	7.729	7.726	0.003	90	51495	9.29	
49 Dichlorobromomethane	83	7.905	7.902	0.003	93	115027	9.62	
50 2-Chloroethyl vinyl ether	63	8.252	8.249	0.003	90	41928	20.3	
54 cis-1,3-Dichloropropene	75	8.441	8.438	0.002	91	129544	9.83	
52 4-Methyl-2-pentanone (MIBK)	43	8.623	8.620	0.003	95	76566	9.93	
53 Toluene	91	8.866	8.864	0.002	68	434831	9.30	
51 trans-1,3-Dichloropropene	75	9.128	9.125	0.003	89	109355	9.88	
55 Ethyl methacrylate	69	9.231	9.229	0.002	90	121010	10.1	
56 1,1,2-Trichloroethane	83	9.359	9.363	-0.003	93	68277	9.47	
57 Tetrachloroethene	164	9.560	9.563	-0.003	96	80871	9.50	
58 1,3-Dichloropropane	76	9.584	9.582	0.002	88	150582	9.56	
59 2-Hexanone	43	9.675	9.673	0.002	94	55733	9.80	
60 Chlorodibromomethane	129	9.876	9.880	-0.004	88	70467	9.77	
61 Ethylene Dibromide	107	10.040	10.038	0.002	99	68744	9.57	
62 Chlorobenzene	112	10.685	10.689	-0.004	83	262792	9.42	
63 1,1,1,2-Tetrachloroethane	131	10.795	10.792	0.003	91	82368	9.53	
64 Ethylbenzene	91	10.831	10.829	0.002	97	457009	9.57	
65 m-Xylene & p-Xylene	91	10.989	10.987	0.002	0	729837	19.0	
66 o-Xylene	91	11.537	11.534	0.003	90	352598	9.77	
67 Styrene	104	11.549	11.553	-0.004	89	272807	9.87	
68 Bromoform	173	11.811	11.808	0.003	89	43740	9.67	
69 Isopropylbenzene	105	12.048	12.045	0.003	97	369171	9.92	
71 1,1,2,2-Tetrachloroethane	83	12.456	12.453	0.003	96	111317	9.53	
70 Bromobenzene	156	12.480	12.477	0.003	91	105456	9.59	
72 1,2,3-Trichloropropane	75	12.523	12.526	-0.003	81	134965	10.1	
73 trans-1,4-Dichloro-2-butene	53	12.541	12.538	0.003	45	26250	9.85	
74 N-Propylbenzene	91	12.626	12.629	-0.003	96	553510	9.77	
75 2-Chlorotoluene	91	12.754	12.751	0.003	95	328787	9.80	
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	6	366695	9.98	M
77 4-Chlorotoluene	91	12.906	12.903	0.003	93	391609	9.70	
78 tert-Butylbenzene	119	13.350	13.347	0.003	91	299378	10.2	
80 1,2,4-Trimethylbenzene	105	13.417	13.420	-0.003	46	378678	9.79	

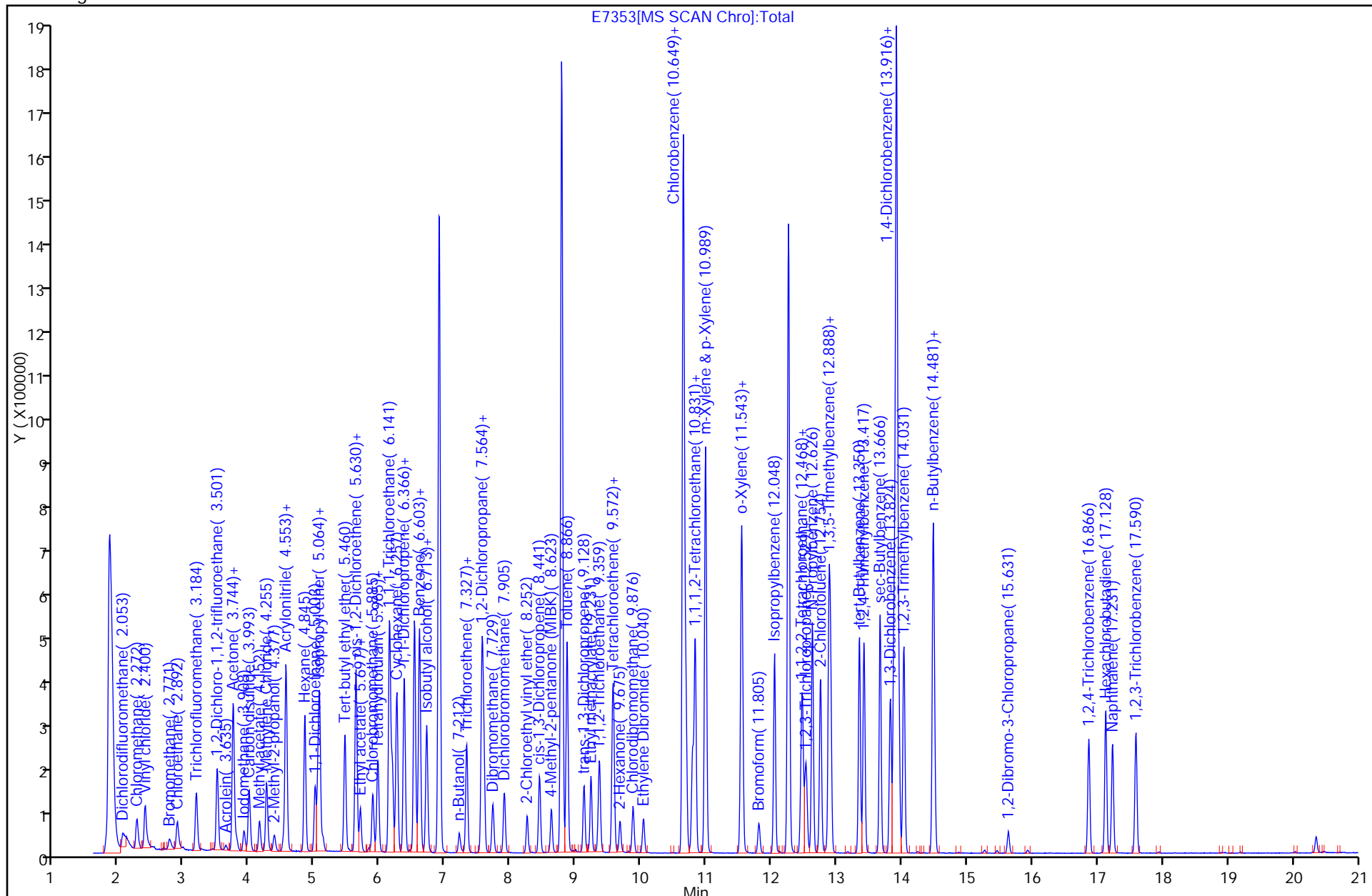
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.666	13.664	0.002	95	469326	9.98	
82 1,3-Dichlorobenzene	146	13.824	13.822	0.002	94	207574	9.59	
79 4-Isopropyltoluene	119	13.879	13.876	0.003	88	382817	9.94	
83 1,4-Dichlorobenzene	146	13.952	13.952	0.0	91	213737	9.39	M
99 1,2,3-Trimethylbenzene	105	14.031	14.031	0.0	0	385440	9.76	
84 n-Butylbenzene	91	14.475	14.473	0.002	95	370222	9.98	
85 1,2-Dichlorobenzene	146	14.494	14.497	-0.003	95	198365	9.57	
86 1,2-Dibromo-3-Chloropropane	157	15.631	15.635	-0.004	49	17661	9.96	
87 1,2,4-Trichlorobenzene	180	16.866	16.869	-0.003	93	116764	9.88	
88 Hexachlorobutadiene	225	17.128	17.125	0.003	94	92087	9.68	
89 Naphthalene	128	17.231	17.228	0.003	97	270570	9.91	
90 1,2,3-Trichlorobenzene	180	17.590	17.593	-0.003	95	124275	9.85	
S 92 Total 1,2-dichloroethene	100				0		18.8	
S 91 Xylenes, Total	100				0		28.8	

## QC Flag Legend

Review Flags

M - Manually Integrated



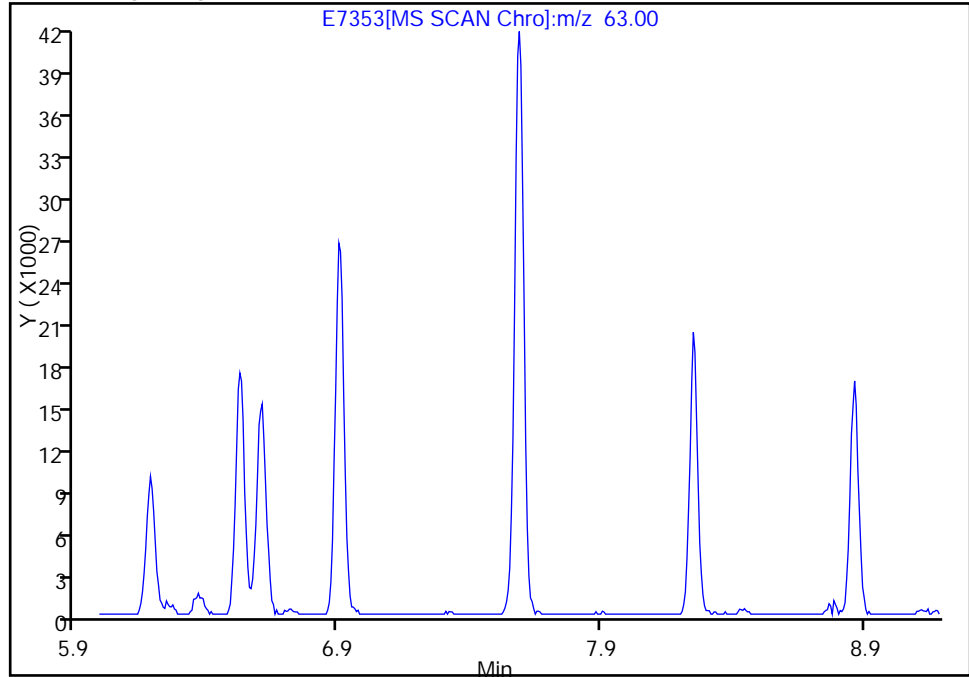


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
Injection Date: 28-Jan-2012 07:27:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 4  
Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.59

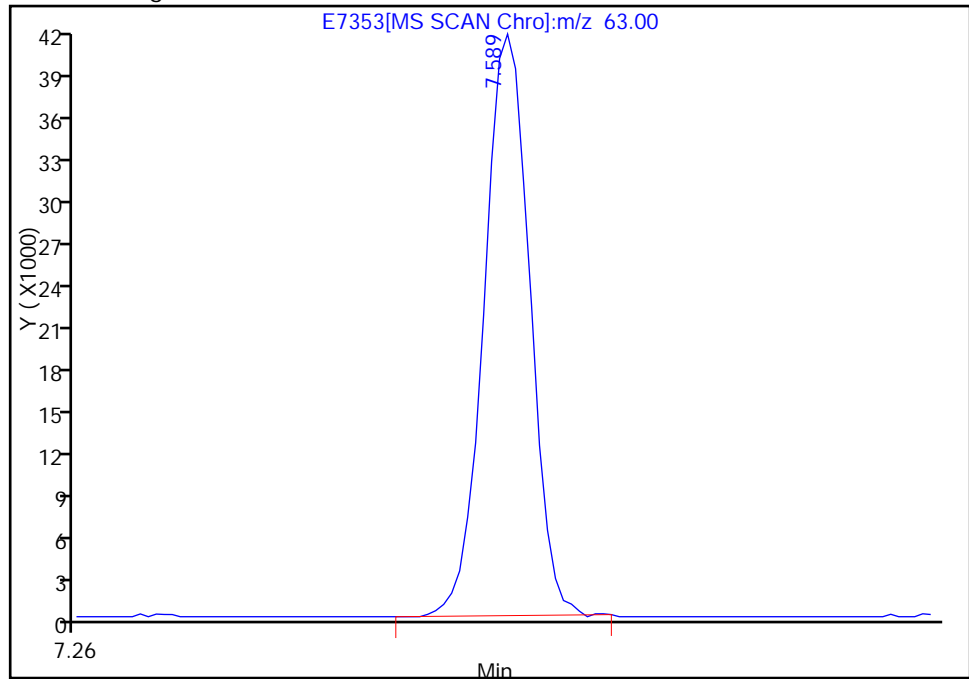
Not Detected  
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59  
Response: 101043  
Amount: 9.281562



Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D

Injection Date: 28-Jan-2012 07:27:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

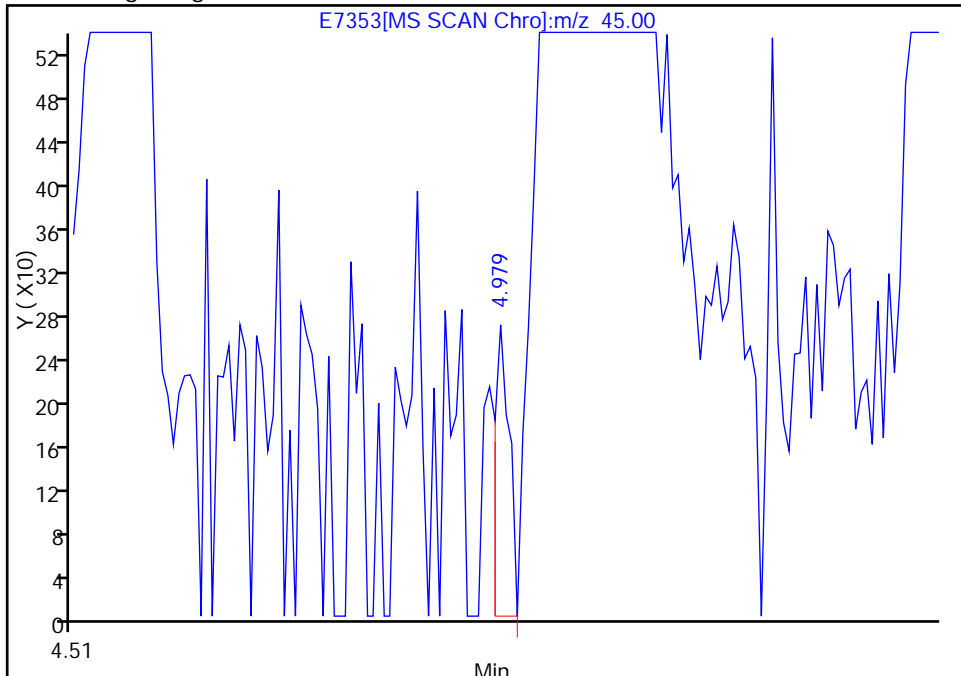
Lims Sample ID: 4

Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

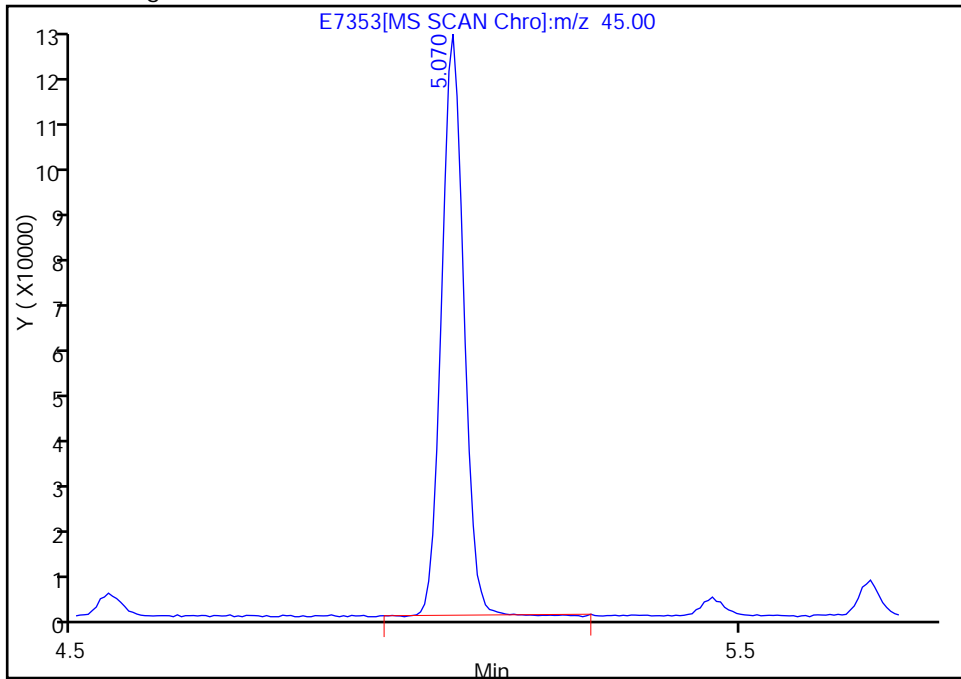
RT: 4.98  
Response: 289  
Amount: 0.018029

Processing Integration Results



RT: 5.07  
Response: 283502  
Amount: 9.390448

Manual Integration Results



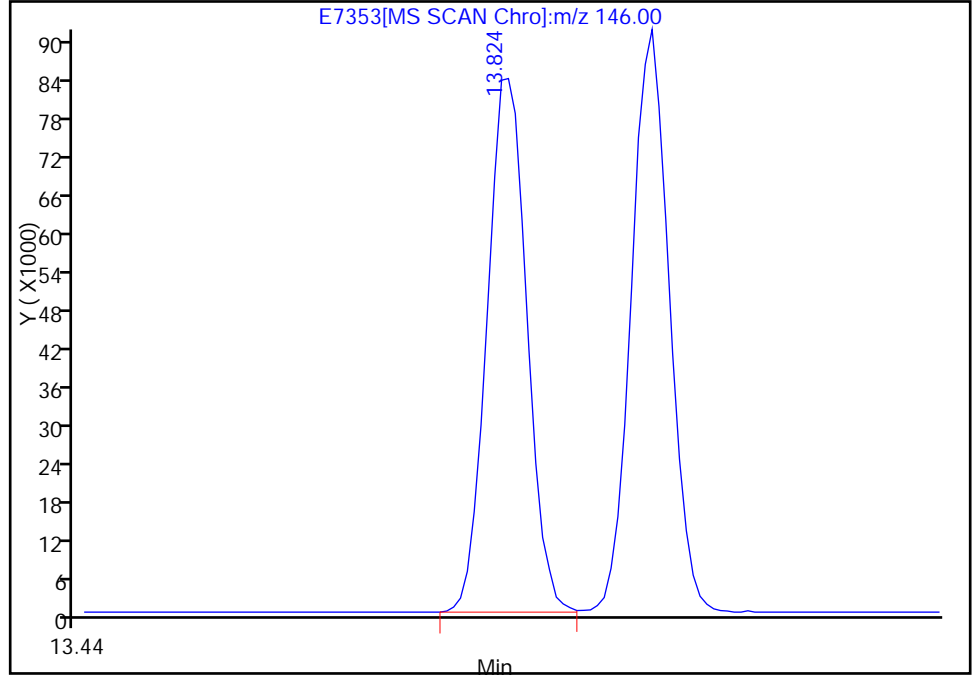
Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
Injection Date: 28-Jan-2012 07:27:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 4  
Operator ID: JLH

83 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.95

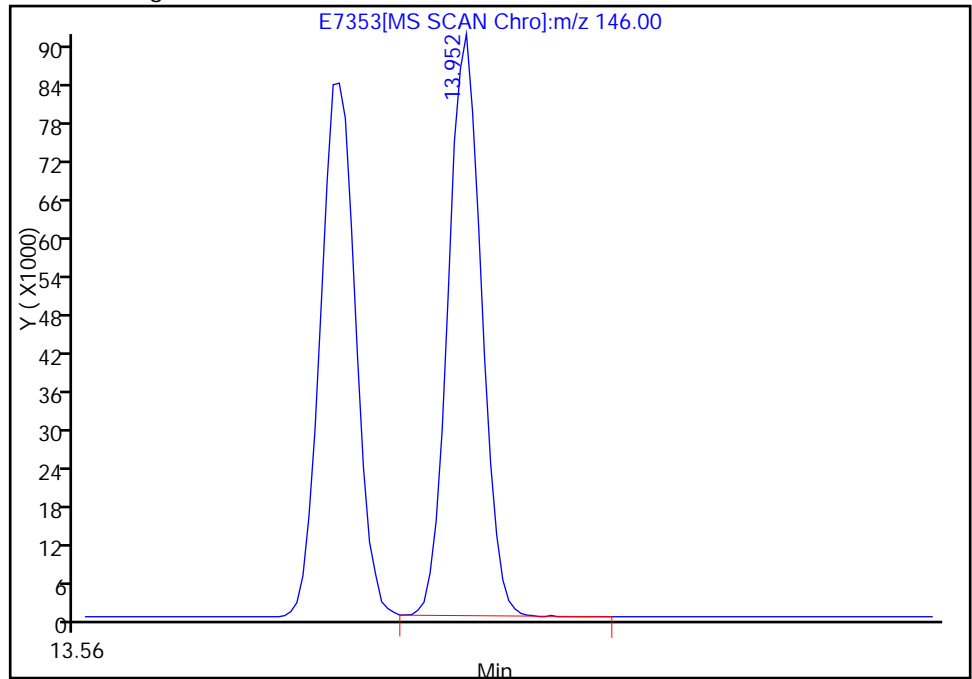
RT: 13.82  
Response: 207574  
Amount: 9.245174

Processing Integration Results



RT: 13.95  
Response: 213737  
Amount: 9.390783

Manual Integration Results



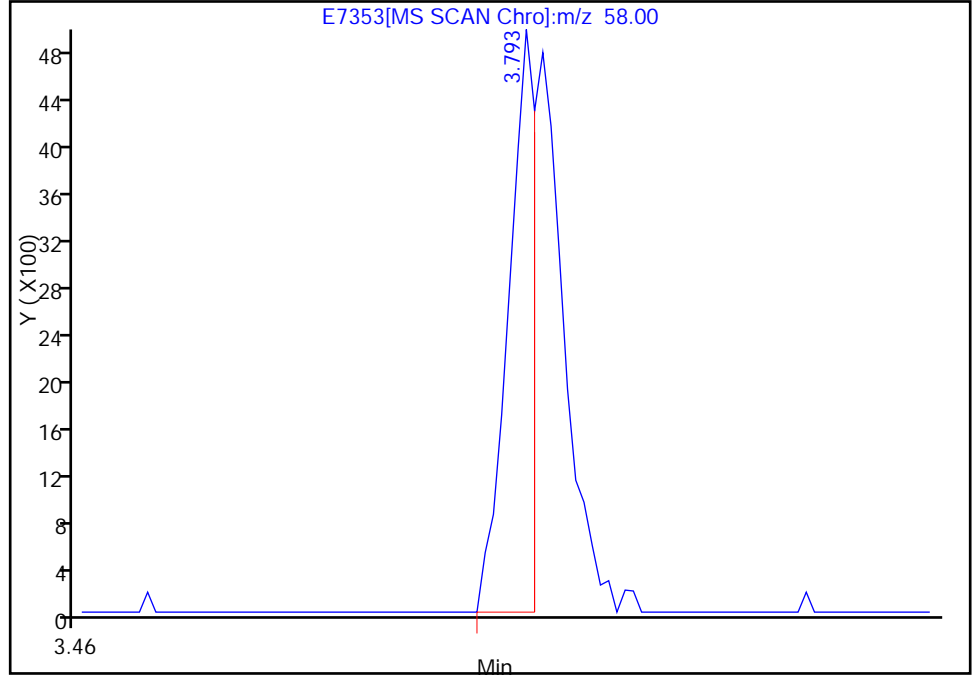
Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
Injection Date: 28-Jan-2012 07:27:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 4  
Operator ID: JLH

18 Acetone, Signal: 1, m/z: 58.0 Type: quant, RT: 3.79

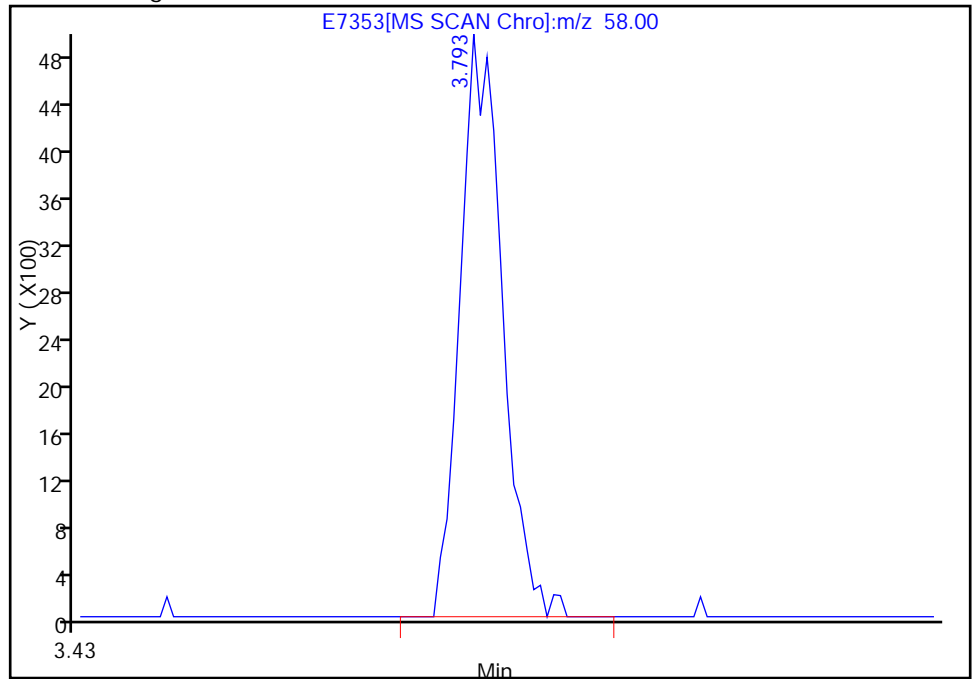
RT: 3.79  
Response: 6948  
Amount: 5.559965

Processing Integration Results



RT: 3.79  
Response: 13291  
Amount: 10.000000

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D

Injection Date: 28-Jan-2012 07:27:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

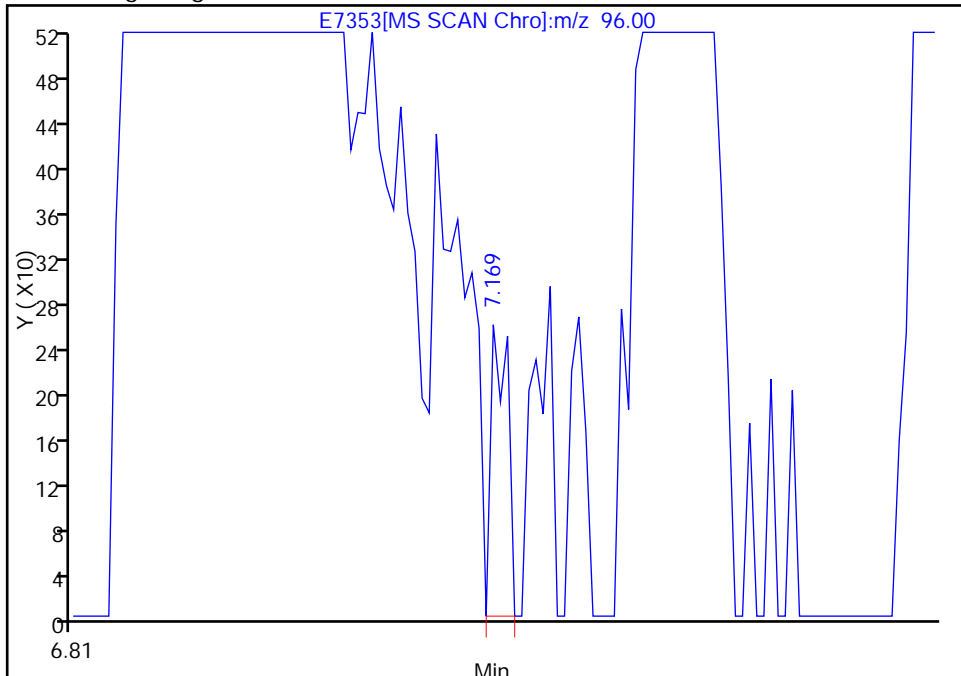
Lims Sample ID: 4

Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

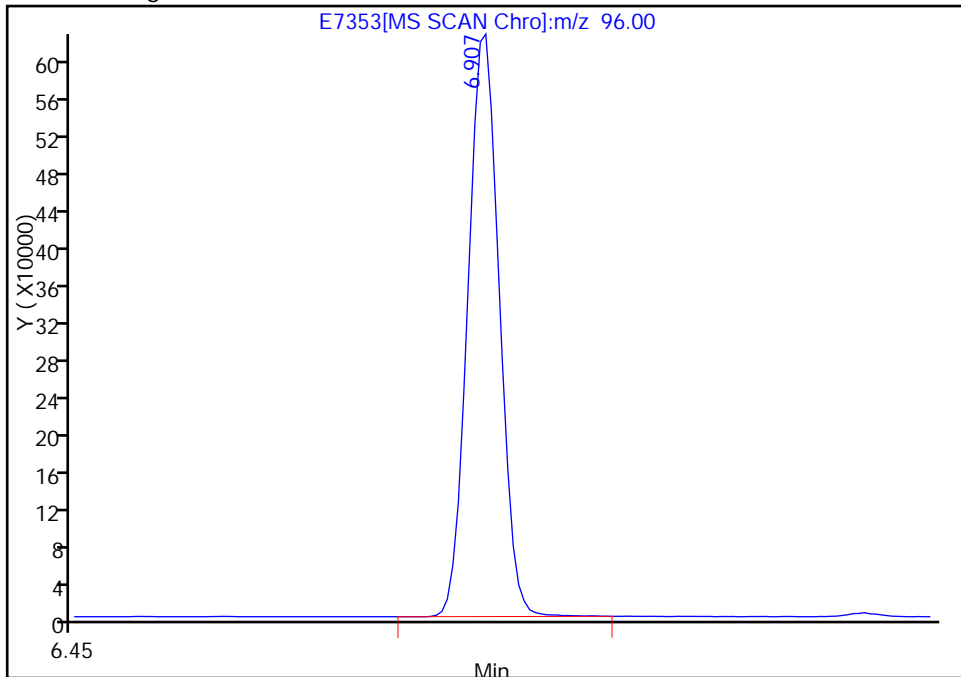
RT: 7.17  
Response: 254  
Amount: 50.000000

Processing Integration Results



RT: 6.91  
Response: 1502150  
Amount: 50.000000

Manual Integration Results



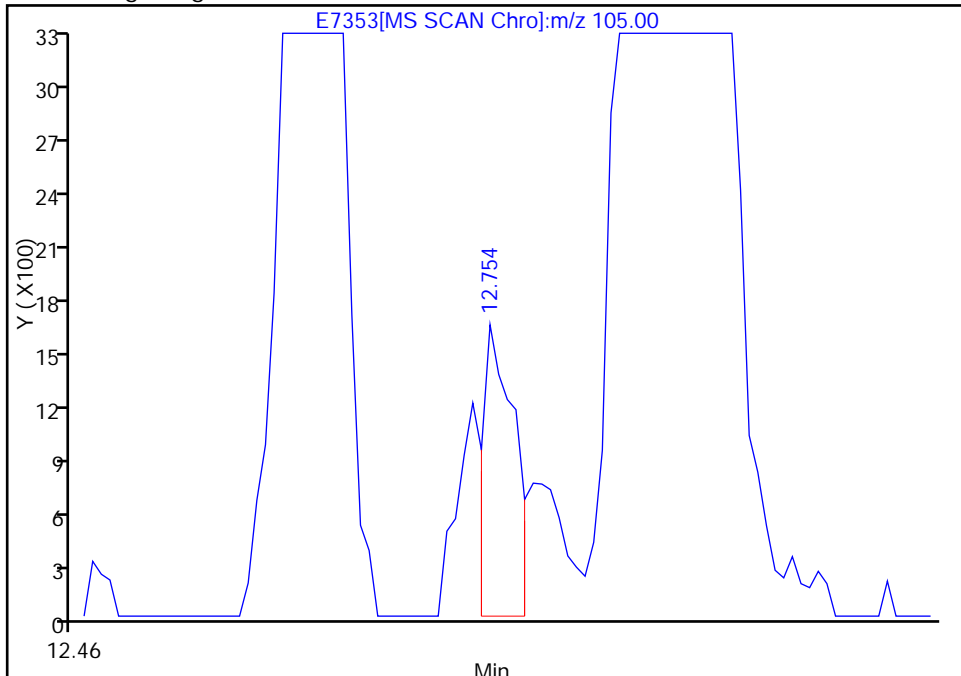
Reviewer: hallj, 28-Jan-2012 07:57:25  
Audit Action: Manually Integrated  
Audit Reason: Baseline

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
Injection Date: 28-Jan-2012 07:27:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 4  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

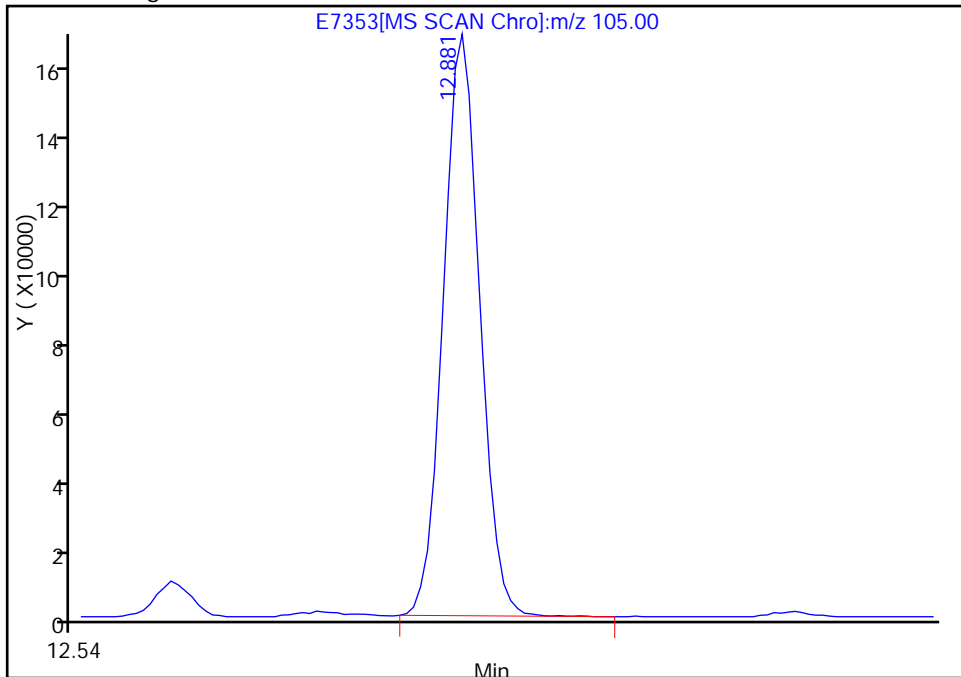
RT: 12.75  
Response: 2493  
Amount: 0.134425

Processing Integration Results



RT: 12.88  
Response: 366695  
Amount: 9.976538

Manual Integration Results



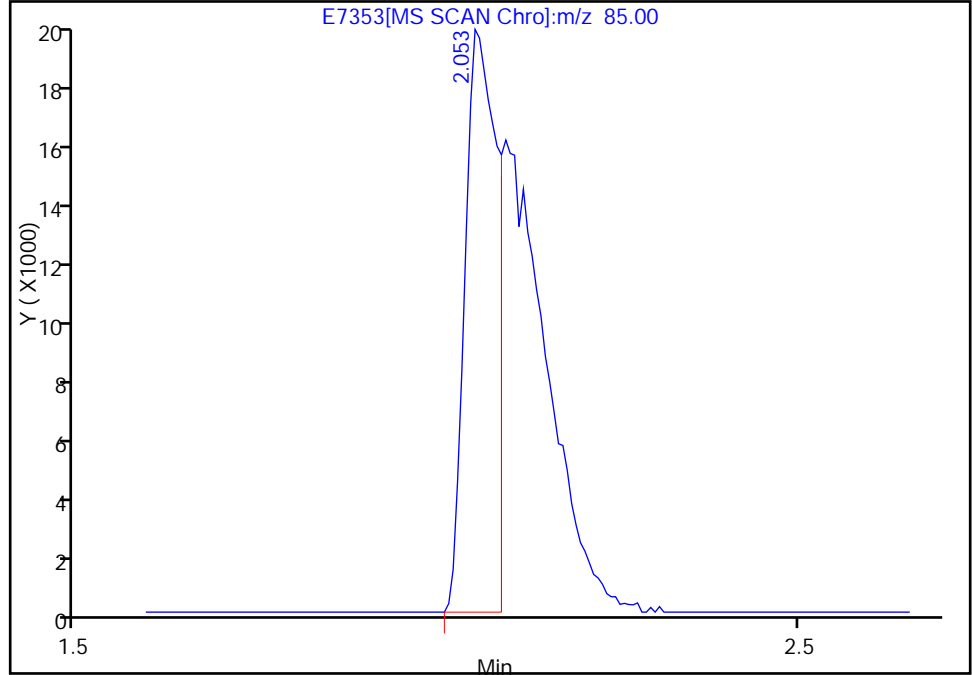
Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7353.D  
Injection Date: 28-Jan-2012 07:27:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 4  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.05

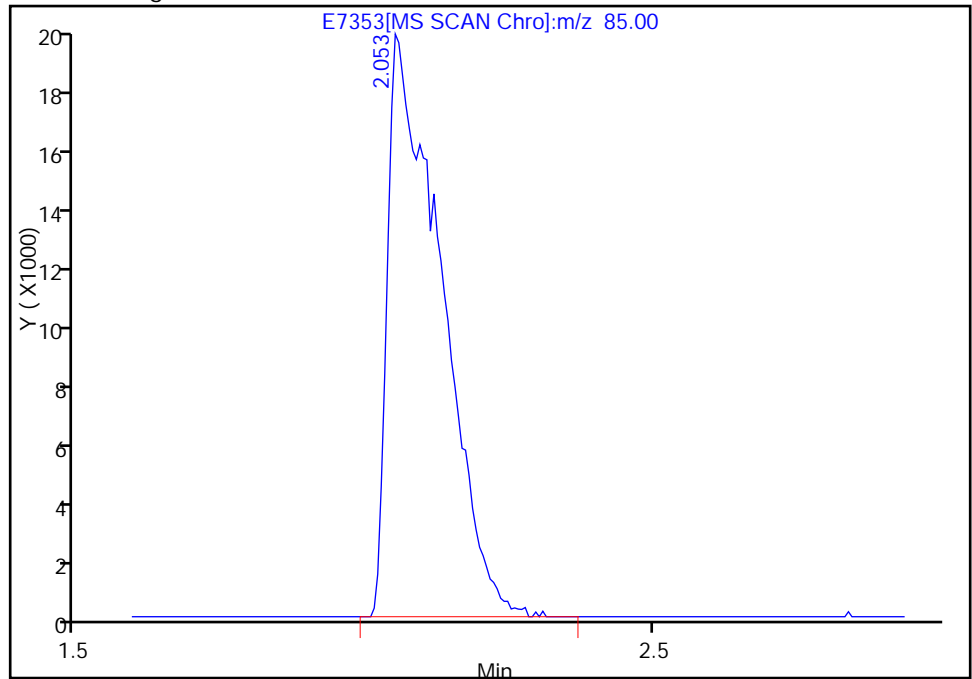
RT: 2.05  
Response: 61396  
Amount: 10.000000

Processing Integration Results



RT: 2.05  
Response: 127124  
Amount: 9.427349

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 07:59:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D  
 Lims ID: STD020 Client ID:  
 Inject. Date: 28-Jan-2012 08:02:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: STD020  
 Misc. Info.: 510-0006241-005 =510-0006241-005  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 3  
 Lims Batch ID: 93020 Lims Sample ID: 5  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 08:39:32 Calib Date: 28-Jan-2012 08:02:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 08:39:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.905	-0.001	97	1451459	50.0	
* 2 Chlorobenzene-d5	117	10.645	10.646	-0.001	90	1096801	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.919	-0.001	95	664749	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.522	0.004	0	423622	49.3	
\$ 6 Toluene-d8 (Surr)	98	8.783	8.778	0.005	93	1430787	50.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.257	12.258	-0.001	85	666423	50.7	
8 Dichlorodifluoromethane	85	2.055	2.055	0.0	85	221231	17.9	M
9 Chloromethane	50	2.268	2.263	0.005	89	191119	17.6	
10 Vinyl chloride	62	2.396	2.397	-0.001	97	290645	18.1	
11 Bromomethane	94	2.755	2.744	0.011	82	39161	20.0	
12 Chloroethane	64	2.883	2.865	0.018	98	151112	18.0	
13 Trichlorofluoromethane	101	3.175	3.170	0.005	80	239343	18.1	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.497	3.494	0.003	87	220676	18.0	
15 Acrolein	56	3.637	3.637	0.0	88	22602	19.2	
16 1,1-Dichloroethene	96	3.746	3.735	0.011	90	157249	18.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.746	3.738	0.008	64	117720	18.1	
18 Acetone	58	3.801	3.793	0.008	89	23539	20.7	
19 Iodomethane	142	3.911	3.906	0.005	99	138157	20.7	
20 Carbon disulfide	76	3.990	3.985	0.005	99	498782	19.4	
21 Methyl acetate	43	4.148	4.143	0.005	97	194307	18.1	
22 Methylene Chloride	84	4.257	4.252	0.005	86	176224	18.0	
23 2-Methyl-2-propanol	59	4.373	4.380	-0.007	93	74850	71.8	
24 Acrylonitrile	53	4.513	4.514	-0.001	99	60877	18.5	
25 trans-1,2-Dichloroethene	96	4.555	4.550	0.005	68	180854	19.0	
26 Methyl tert-butyl ether	73	4.555	4.557	-0.002	91	465135	18.9	
27 Hexane	57	4.841	4.836	0.005	93	318600	19.1	
28 1,1-Dichloroethane	63	5.000	5.001	-0.001	85	325187	19.1	
29 Vinyl acetate	43	5.048	5.049	-0.001	99	758416	37.0	
30 Isopropyl ether	45	5.066	5.066	0.0	1	545458	19.1	M
31 Tert-butyl ethyl ether	59	5.456	5.457	-0.001	93	435126	19.0	

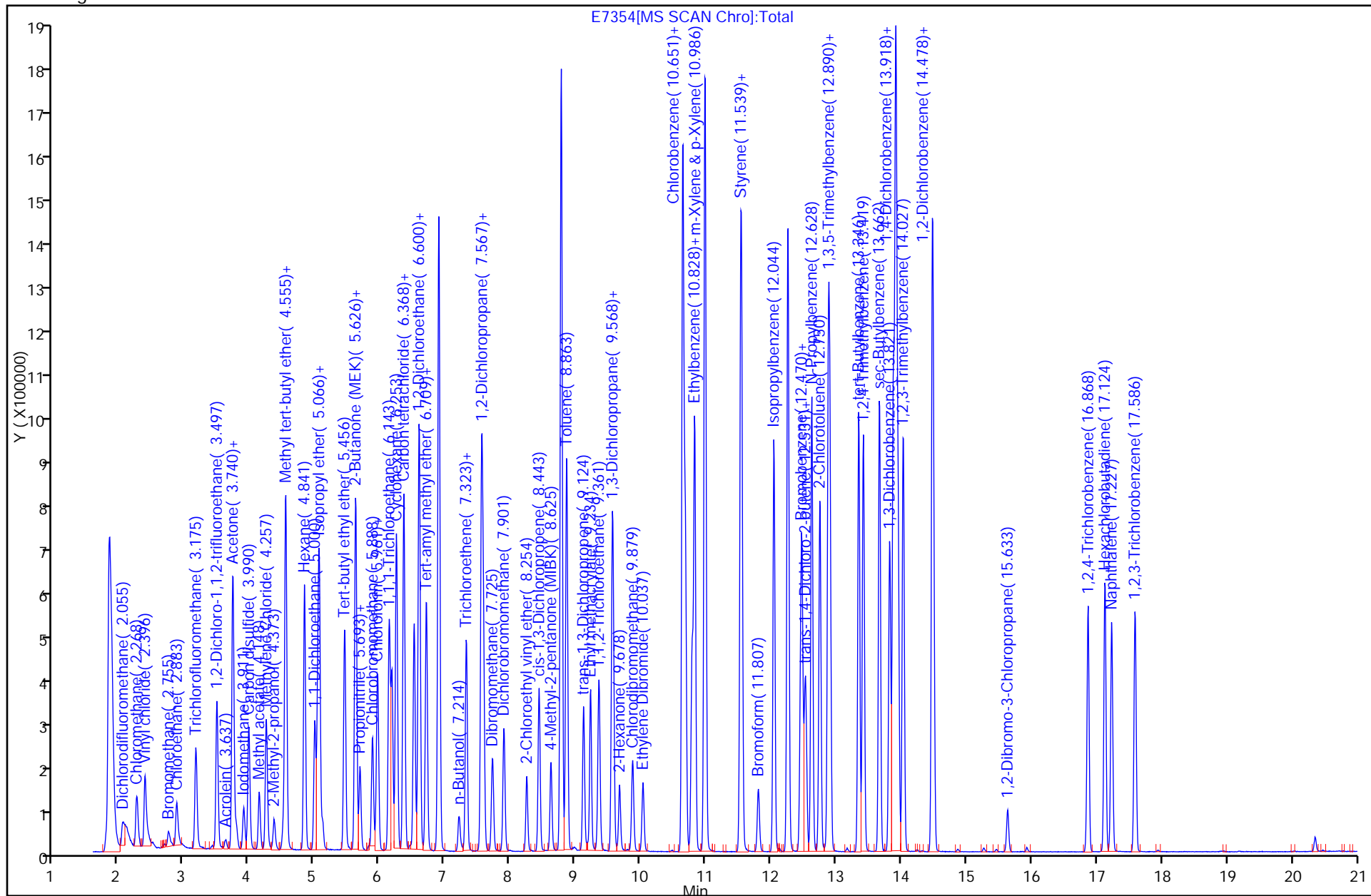
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.626	5.621	0.005	88	197882	19.0	
33 2,2-Dichloropropane	77	5.626	5.627	-0.001	72	258610	19.5	
34 2-Butanone (MEK)	72	5.632	5.633	-0.001	50	29190	18.6	
105 Ethyl acetate	43	5.693	5.690	0.003	0	218451	18.6	
93 Propionitrile	54	5.705	5.700	0.005	0	25593	18.7	
35 Chlorobromomethane	130	5.888	5.883	0.005	94	108205	19.1	
95 Tetrahydrofuran	42	5.949	5.950	-0.001	0	59928	20.6	
36 Chloroform	83	5.967	5.962	0.005	69	326837	19.2	
37 1,1,1-Trichloroethane	97	6.186	6.181	0.005	98	281969	19.1	
38 Cyclohexane	84	6.253	6.254	-0.001	88	346542	19.9	
39 1,1-Dichloropropene	75	6.362	6.363	-0.001	94	289654	19.6	
40 Carbon tetrachloride	117	6.374	6.369	0.005	78	235499	19.7	
41 Benzene	78	6.600	6.601	-0.001	91	816515	18.8	
42 1,2-Dichloroethane	62	6.612	6.607	0.005	49	244739	19.2	
43 Isobutyl alcohol	41	6.715	6.710	0.005	41	65607	18.5	
44 Tert-amyl methyl ether	73	6.715	6.710	0.005	94	447831	19.8	
102 n-Butanol	56	7.214	7.215	-0.001	0	53185	215.6	
45 Trichloroethene	132	7.323	7.325	-0.002	90	185828	19.2	
46 Methylcyclohexane	83	7.561	7.562	-0.001	92	407363	19.8	
47 1,2-Dichloropropane	63	7.591	7.591	0.0	0	199986	19.3	M
48 Dibromomethane	93	7.731	7.726	0.005	91	99859	19.1	
49 Dichlorobromomethane	83	7.901	7.902	-0.001	93	230490	20.0	
50 2-Chloroethyl vinyl ether	63	8.254	8.249	0.005	90	84275	41.5	
54 cis-1,3-Dichloropropene	75	8.443	8.438	0.005	91	270971	20.8	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.620	0.005	97	152158	20.3	
53 Toluene	91	8.869	8.864	0.005	77	819238	18.7	
51 trans-1,3-Dichloropropene	75	9.124	9.125	-0.001	93	229093	20.9	
55 Ethyl methacrylate	69	9.234	9.229	0.005	96	249657	21.0	
56 1,1,2-Trichloroethane	83	9.361	9.363	-0.001	87	132759	19.4	
57 Tetrachloroethene	164	9.562	9.563	-0.001	89	154642	19.2	
58 1,3-Dichloropropane	76	9.580	9.582	-0.002	89	294685	19.6	
59 2-Hexanone	43	9.678	9.673	0.005	80	114138	20.5	
60 Chlorodibromomethane	129	9.879	9.880	-0.002	88	140902	20.1	
61 Ethylene Dibromide	107	10.037	10.038	-0.001	98	134891	19.6	
62 Chlorobenzene	112	10.688	10.689	-0.001	93	493497	18.8	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.792	-0.001	86	162388	19.6	
64 Ethylbenzene	91	10.828	10.829	-0.001	97	894389	19.6	
65 m-Xylene & p-Xylene	91	10.992	10.987	0.005	0	1378815	38.0	
66 o-Xylene	91	11.533	11.534	-0.001	91	707702	20.2	
67 Styrene	104	11.551	11.553	-0.002	90	547962	20.3	
68 Bromoform	173	11.807	11.808	-0.001	97	90413	20.5	
69 Isopropylbenzene	105	12.044	12.045	-0.001	96	763360	20.8	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.453	0.005	92	213567	19.1	
70 Bromobenzene	156	12.476	12.477	-0.001	90	207373	19.5	
72 1,2,3-Trichloropropane	75	12.525	12.526	-0.001	81	261237	20.1	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.538	-0.001	41	51887	20.0	
74 N-Propylbenzene	91	12.628	12.629	-0.001	96	1074336	19.6	
75 2-Chlorotoluene	91	12.750	12.751	-0.001	97	635363	19.6	
76 1,3,5-Trimethylbenzene	105	12.878	12.878	0.0	15	731871	20.3	M
77 4-Chlorotoluene	91	12.902	12.903	-0.001	92	744025	19.3	
78 tert-Butylbenzene	119	13.346	13.347	-0.001	89	614914	21.0	
80 1,2,4-Trimethylbenzene	105	13.419	13.420	-0.001	50	741507	19.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.662	13.664	-0.002	96	924318	20.1	
82 1,3-Dichlorobenzene	146	13.821	13.822	-0.001	96	403145	19.4	
79 4-Isopropyltoluene	119	13.875	13.876	-0.001	87	760005	20.2	
83 1,4-Dichlorobenzene	146	13.954	13.952	0.002	86	408966	18.9	
99 1,2,3-Trimethylbenzene	105	14.034	14.031	0.003	0	757199	19.8	
84 n-Butylbenzene	91	14.478	14.473	0.005	94	747840	20.4	
85 1,2-Dichlorobenzene	146	14.496	14.497	-0.001	94	372500	18.9	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.635	-0.002	56	34283	19.9	
87 1,2,4-Trichlorobenzene	180	16.868	16.869	-0.001	92	240895	20.6	
88 Hexachlorobutadiene	225	17.130	17.125	0.005	93	175935	19.3	
89 Naphthalene	128	17.227	17.228	-0.001	99	553000	20.5	
90 1,2,3-Trichlorobenzene	180	17.592	17.593	-0.001	94	249809	20.2	
S 92 Total 1,2-dichloroethene	100				0		37.9	
S 91 Xylenes, Total	100				0		58.2	

## QC Flag Legend

## Review Flags

M - Manually Integrated

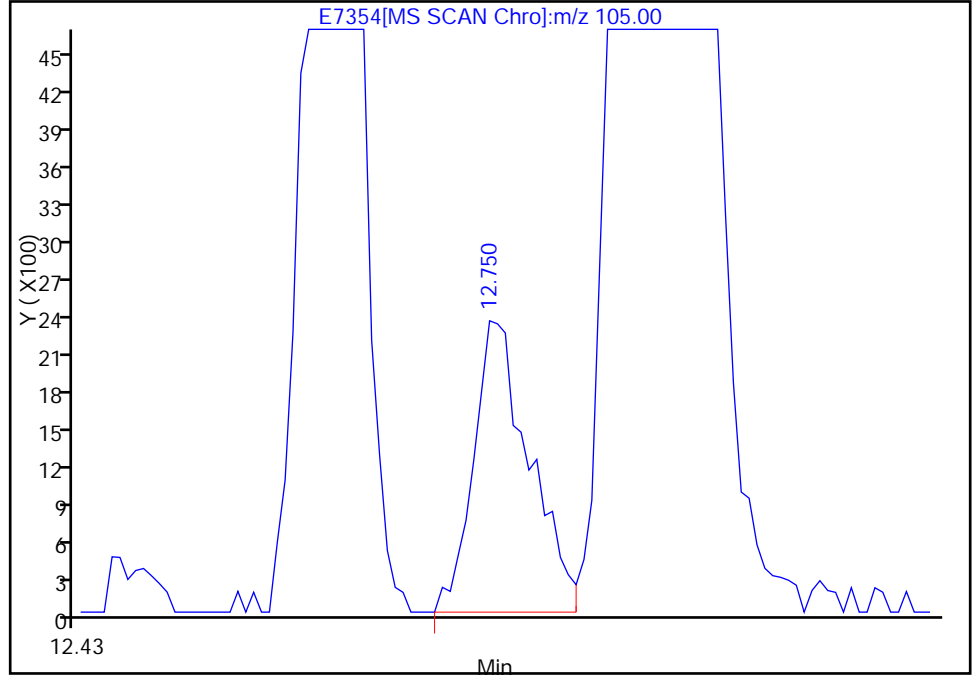


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D  
Injection Date: 28-Jan-2012 08:02:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 5  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

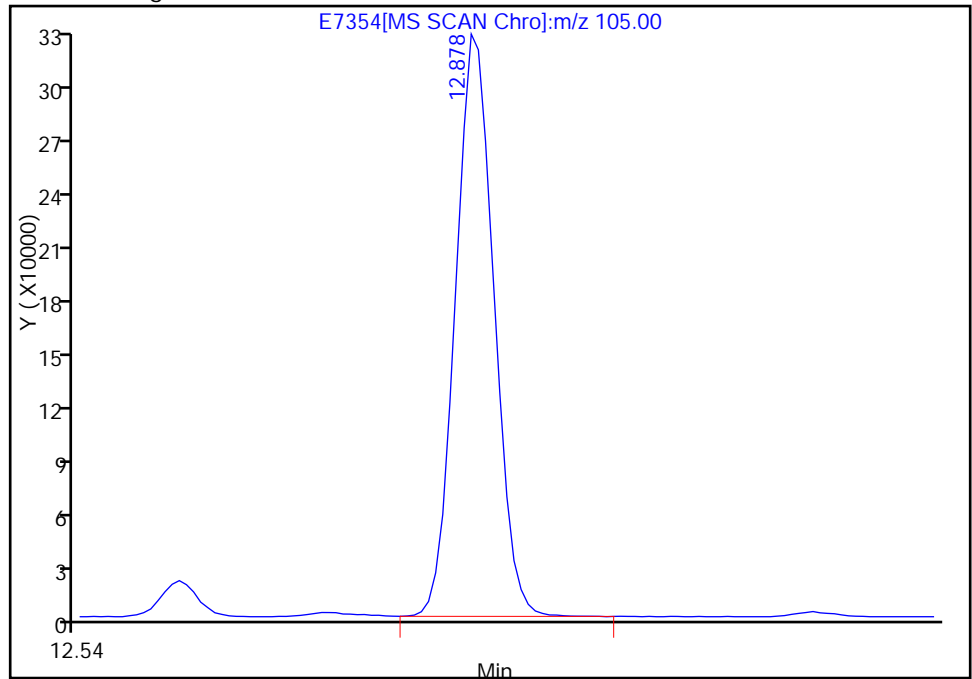
RT: 12.75  
Response: 6984  
Amount: 0.290793

Processing Integration Results



RT: 12.88  
Response: 731871  
Amount: 20.274256

Manual Integration Results



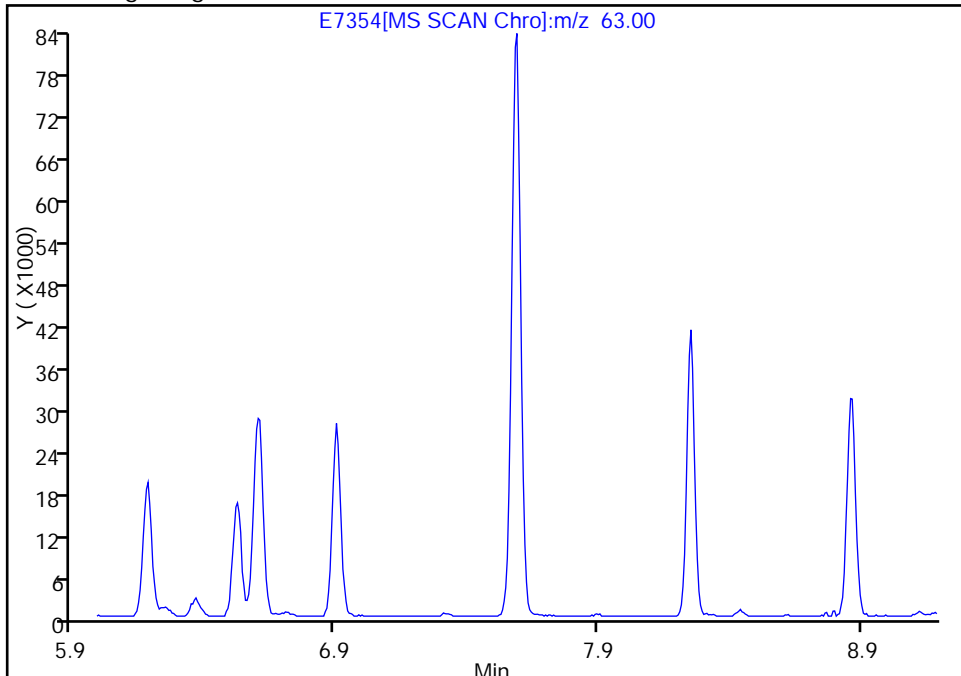
Reviewer: hallj, 28-Jan-2012 08:39:32  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D  
Injection Date: 28-Jan-2012 08:02:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 5  
Operator ID: JLH

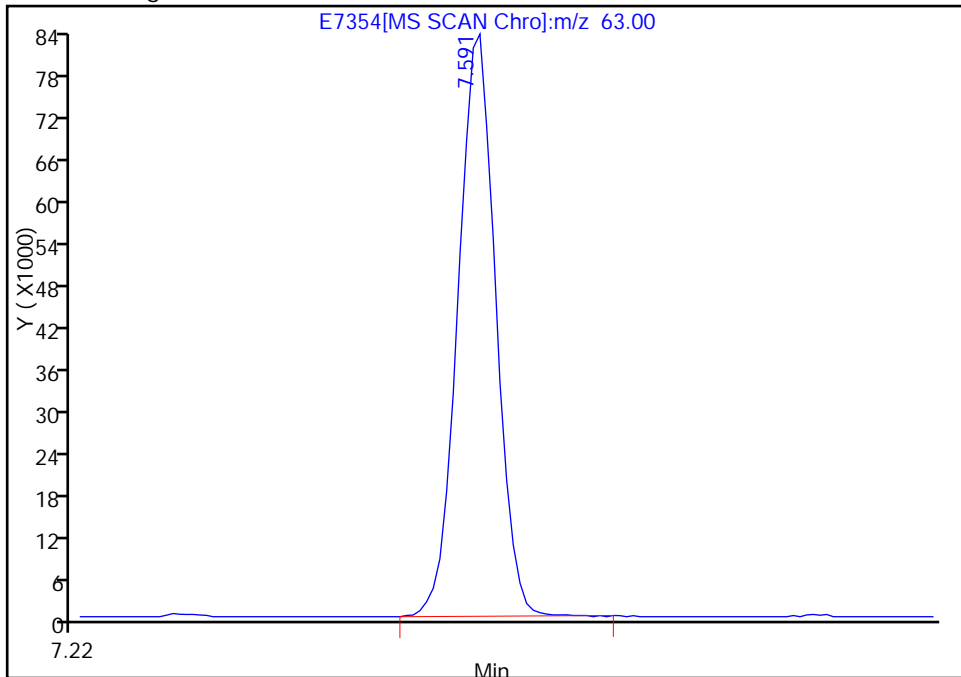
47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.59

Not Detected  
Expected RT: 7.59

Processing Integration Results



Manual Integration Results



RT: 7.59  
Response: 199986  
Amount: 19.330160

Reviewer: hallj, 28-Jan-2012 08:39:32  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D

Injection Date: 28-Jan-2012 08:02:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

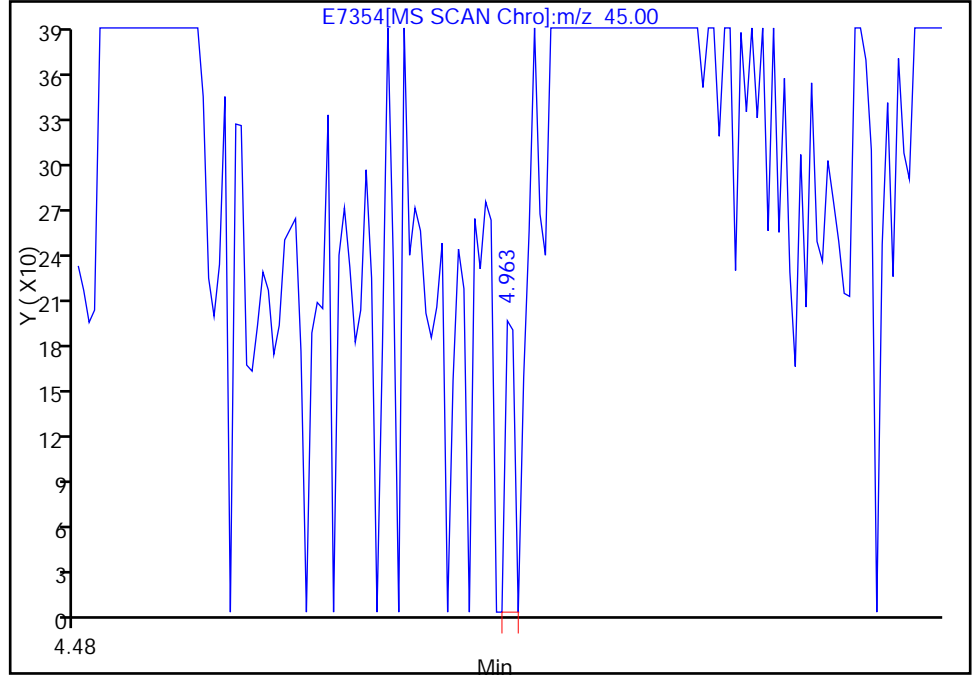
Lims Sample ID: 5

Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

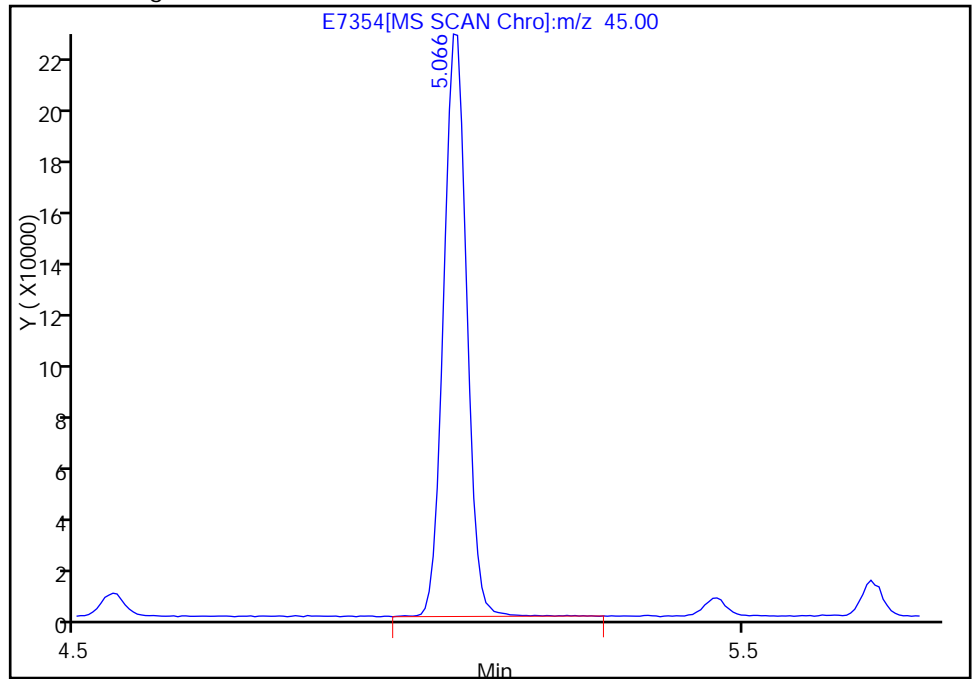
RT: 4.96  
Response: 137  
Amount: 0.007044

Processing Integration Results



RT: 5.07  
Response: 545458  
Amount: 19.112892

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 08:39:32

Audit Action: Manually Integrated

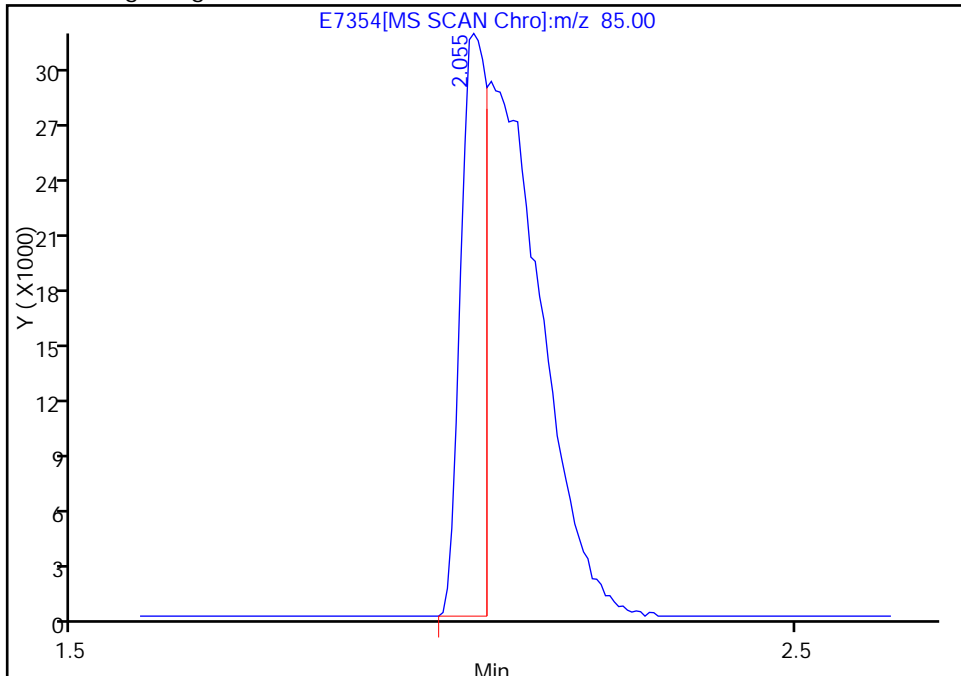
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7354.D  
Injection Date: 28-Jan-2012 08:02:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 5  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.06

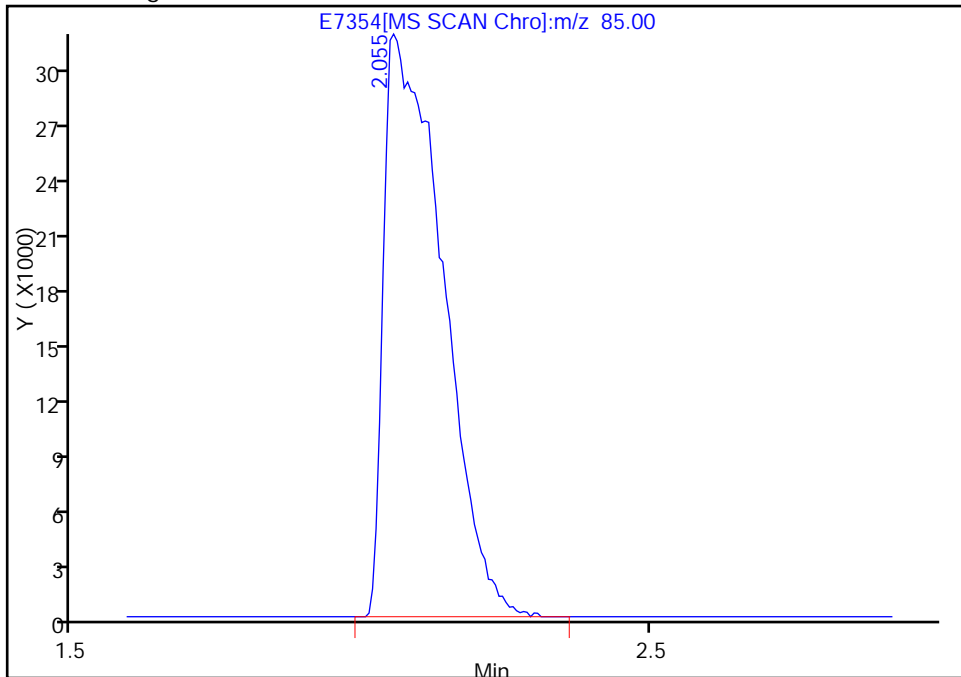
RT: 2.06  
Response: 77431  
Amount: 5.557844

Processing Integration Results



RT: 2.06  
Response: 221231  
Amount: 17.879347

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 08:39:32  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7355.D  
 Lims ID: STD040 Client ID:  
 Inject. Date: 28-Jan-2012 08:36:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: STD040  
 Misc. Info.: 510-0006241-006 =510-0006241-006  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 4  
 Lims Batch ID: 93020 Lims Sample ID: 6  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 10:44:24 Calib Date: 28-Jan-2012 09:45:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 09:56:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.900	6.904	-0.004	97	1492910	50.0	
* 2 Chlorobenzene-d5	117	10.648	10.645	0.003	89	1147870	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.914	13.918	-0.004	80	661103	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.523	6.520	0.003	0	431257	49.2	
\$ 6 Toluene-d8 (Surr)	98	8.780	8.783	-0.003	93	1469213	50.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.260	12.263	-0.003	87	692101	52.2	
8 Dichlorodifluoromethane	85	2.112	2.110	0.002	99	464749	38.2	M
9 Chloromethane	50	2.265	2.268	-0.004	89	415448	38.7	
10 Vinyl chloride	62	2.392	2.393	-0.001	82	626163	38.4	
11 Bromomethane	94	2.739	2.736	0.003	91	55086	36.2	
12 Chloroethane	64	2.855	2.855	0.0	99	306525	40.7	M
13 Trichlorofluoromethane	101	3.159	3.150	0.009	80	490852	37.8	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.487	3.491	-0.004	96	457243	37.7	
15 Acrolein	56	3.627	3.625	0.002	89	44817	38.0	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.731	3.728	0.003	66	243290	37.6	
16 1,1-Dichloroethene	96	3.737	3.734	0.003	90	319905	39.1	
18 Acetone	58	3.791	3.795	-0.004	96	50681	42.6	
19 Iodomethane	142	3.901	3.898	0.003	99	273749	40.7	
20 Carbon disulfide	76	3.980	3.977	0.003	99	990507	39.4	
21 Methyl acetate	43	4.144	4.142	0.002	97	386120	37.6	
22 Methylene Chloride	84	4.248	4.251	-0.003	86	354544	38.0	
23 2-Methyl-2-propanol	59	4.388	4.397	-0.009	93	159951	154.8	
24 Acrylonitrile	53	4.515	4.513	0.002	98	122463	38.4	
25 trans-1,2-Dichloroethene	96	4.546	4.543	0.003	72	364870	39.2	
26 Methyl tert-butyl ether	73	4.552	4.555	-0.003	91	932270	38.9	
27 Hexane	57	4.838	4.835	0.003	93	613011	38.4	
28 1,1-Dichloroethane	63	4.996	4.993	0.003	85	644810	38.9	
29 Vinyl acetate	43	5.045	5.042	0.003	99	1525600	77.3	
30 Isopropyl ether	45	5.063	5.063	0.0	1	1074046	39.0	M
31 Tert-butyl ethyl ether	59	5.458	5.456	0.002	92	883601	39.3	

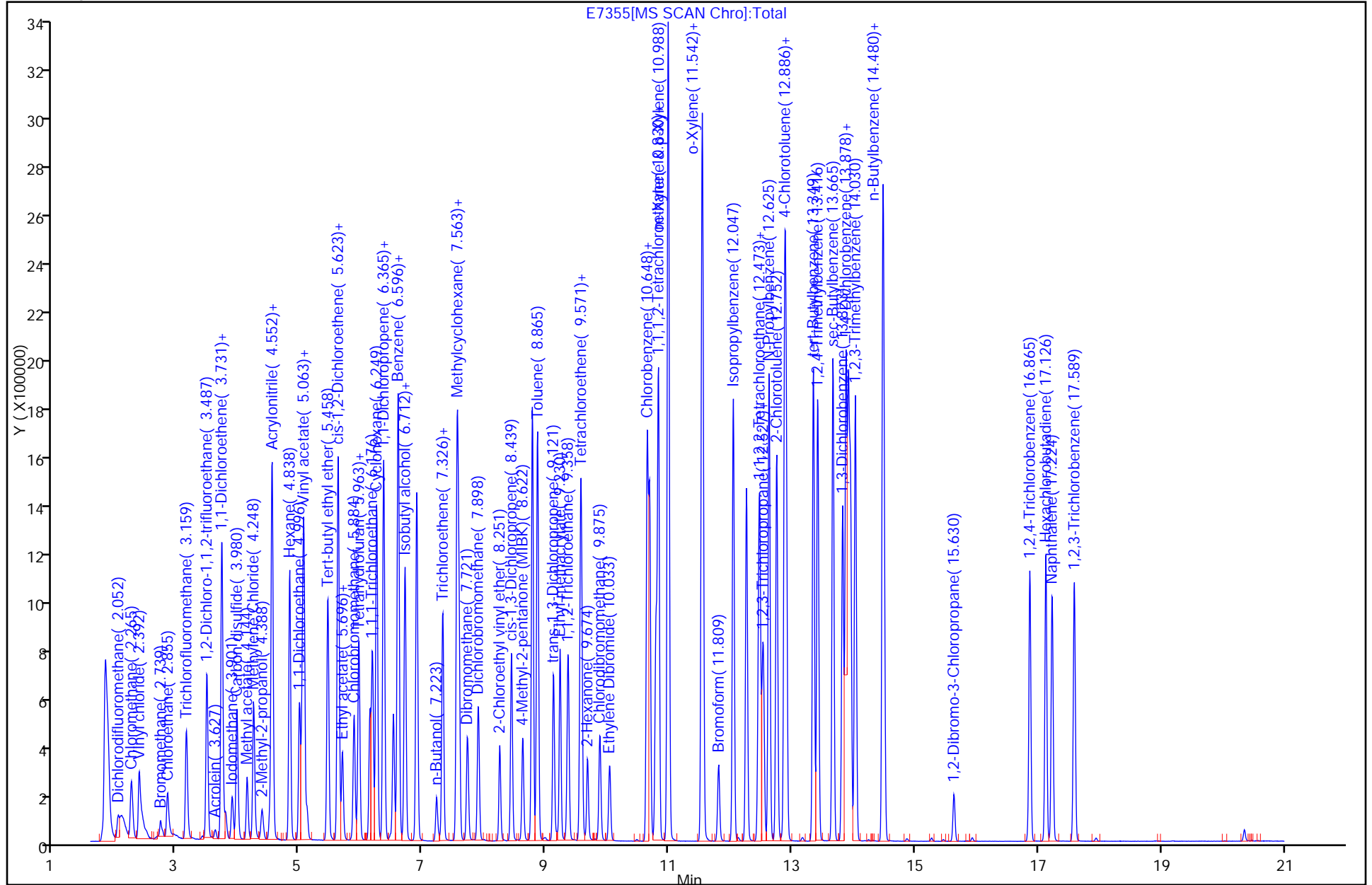
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.623	5.620	0.003	88	404963	39.3	
33 2,2-Dichloropropane	77	5.623	5.626	-0.003	73	533120	39.8	
34 2-Butanone (MEK)	72	5.635	5.638	-0.003	59	61723	39.4	
105 Ethyl acetate	43	5.696	5.693	0.003	0	436221	38.6	
93 Propionitrile	54	5.702	5.699	0.003	0	53343	40.1	
35 Chlorobromomethane	130	5.884	5.882	0.002	97	221884	39.8	
95 Tetrahydrofuran	42	5.951	5.948	0.003	0	123267	38.0	
36 Chloroform	83	5.963	5.961	0.002	83	654987	39.4	
37 1,1,1-Trichloroethane	97	6.182	6.180	0.002	91	571592	39.3	
38 Cyclohexane	84	6.249	6.247	0.002	88	700817	40.1	
39 1,1-Dichloropropene	75	6.359	6.362	-0.003	94	580311	39.6	
40 Carbon tetrachloride	117	6.371	6.368	0.003	77	477006	39.7	
41 Benzene	78	6.596	6.593	0.003	92	1575859	38.8	
42 1,2-Dichloroethane	62	6.608	6.605	0.003	50	487092	39.1	
43 Isobutyl alcohol	41	6.712	6.709	0.003	40	136445	38.8	
44 Tert-amyl methyl ether	73	6.712	6.709	0.003	94	923834	40.2	
102 n-Butanol	56	7.223	7.232	-0.009	0	122273	453.7	
45 Trichloroethene	132	7.326	7.323	0.003	89	369243	39.1	
46 Methylcyclohexane	83	7.557	7.554	0.003	93	792202	39.4	
47 1,2-Dichloropropane	63	7.588	7.582	0.006	1	402262	39.2	M
48 Dibromomethane	93	7.721	7.725	-0.004	88	206433	39.5	
49 Dichlorobromomethane	83	7.904	7.901	0.003	91	477465	40.6	
50 2-Chloroethyl vinyl ether	63	8.251	8.248	0.003	91	201492	84.6	
54 cis-1,3-Dichloropropene	75	8.439	8.443	-0.004	91	573711	41.8	
52 4-Methyl-2-pentanone (MIBK)	43	8.622	8.625	-0.003	96	328342	41.2	
53 Toluene	91	8.865	8.862	0.003	79	1570079	38.6	
51 trans-1,3-Dichloropropene	75	9.127	9.124	0.003	89	499129	42.4	
55 Ethyl methacrylate	69	9.230	9.234	-0.004	77	548801	42.6	
56 1,1,2-Trichloroethane	83	9.358	9.361	-0.003	87	268556	39.5	
57 Tetrachloroethene	164	9.565	9.562	0.003	94	311947	39.5	
58 1,3-Dichloropropane	76	9.583	9.580	0.003	90	600714	40.1	
59 2-Hexanone	43	9.674	9.678	-0.004	73	260299	42.8	
60 Chlorodibromomethane	129	9.875	9.878	-0.003	87	307884	41.8	
61 Ethylene Dibromide	107	10.033	10.037	-0.004	100	284536	40.7	
62 Chlorobenzene	112	10.684	10.687	-0.003	92	979350	38.8	
63 1,1,1,2-Tetrachloroethane	131	10.787	10.791	-0.004	86	338510	39.8	
64 Ethylbenzene	91	10.830	10.827	0.003	97	1763869	39.8	
65 m-Xylene & p-Xylene	91	10.988	10.992	-0.004	0	2606698	79.1	
66 o-Xylene	91	11.536	11.533	0.003	88	1435991	40.9	
67 Styrene	104	11.548	11.551	-0.003	86	1121761	41.2	
68 Bromoform	173	11.809	11.807	0.002	98	204712	42.3	
69 Isopropylbenzene	105	12.047	12.044	0.003	96	1543879	41.5	
71 1,1,2,2-Tetrachloroethane	83	12.454	12.458	-0.004	90	442351	40.9	
70 Bromobenzene	156	12.479	12.476	0.003	91	428830	41.6	
72 1,2,3-Trichloropropane	75	12.527	12.525	0.002	83	552590	42.1	
73 trans-1,4-Dichloro-2-butene	53	12.539	12.537	0.002	46	112179	41.8	
74 N-Propylbenzene	91	12.625	12.628	-0.003	95	2073286	41.2	
75 2-Chlorotoluene	91	12.752	12.750	0.002	94	1272687	41.6	
76 1,3,5-Trimethylbenzene	105	12.880	12.881	-0.001	35	1439744	42.1	M
77 4-Chlorotoluene	91	12.904	12.902	0.002	93	1464521	40.8	
78 tert-Butylbenzene	119	13.349	13.346	0.003	90	1246627	43.1	
80 1,2,4-Trimethylbenzene	105	13.416	13.419	-0.003	62	1443700	41.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.665	13.668	-0.003	96	1803506	41.7	
82 1,3-Dichlorobenzene	146	13.823	13.827	-0.004	95	786698	40.2	
79 4-Isopropyltoluene	119	13.878	13.875	0.003	86	1474316	41.3	
83 1,4-Dichlorobenzene	146	13.951	13.954	-0.003	86	786218	39.3	
99 1,2,3-Trimethylbenzene	105	14.030	14.027	0.003	0	1458064	40.7	
84 n-Butylbenzene	91	14.474	14.477	-0.003	93	1440100	41.4	
85 1,2-Dichlorobenzene	146	14.492	14.496	-0.004	90	724195	39.5	
86 1,2-Dibromo-3-Chloropropane	157	15.636	15.633	0.003	57	72148	40.6	
87 1,2,4-Trichlorobenzene	180	16.865	16.868	-0.003	93	487615	41.5	
88 Hexachlorobutadiene	225	17.126	17.124	0.002	94	330215	38.8	
89 Naphthalene	128	17.224	17.227	-0.003	98	1103839	41.6	
90 1,2,3-Trichlorobenzene	180	17.589	17.586	0.003	93	484750	40.4	
S 92 Total 1,2-dichloroethene	100				0		78.4	
S 91 Xylenes, Total	100				0		120.0	

## QC Flag Legend

## Review Flags

M - Manually Integrated

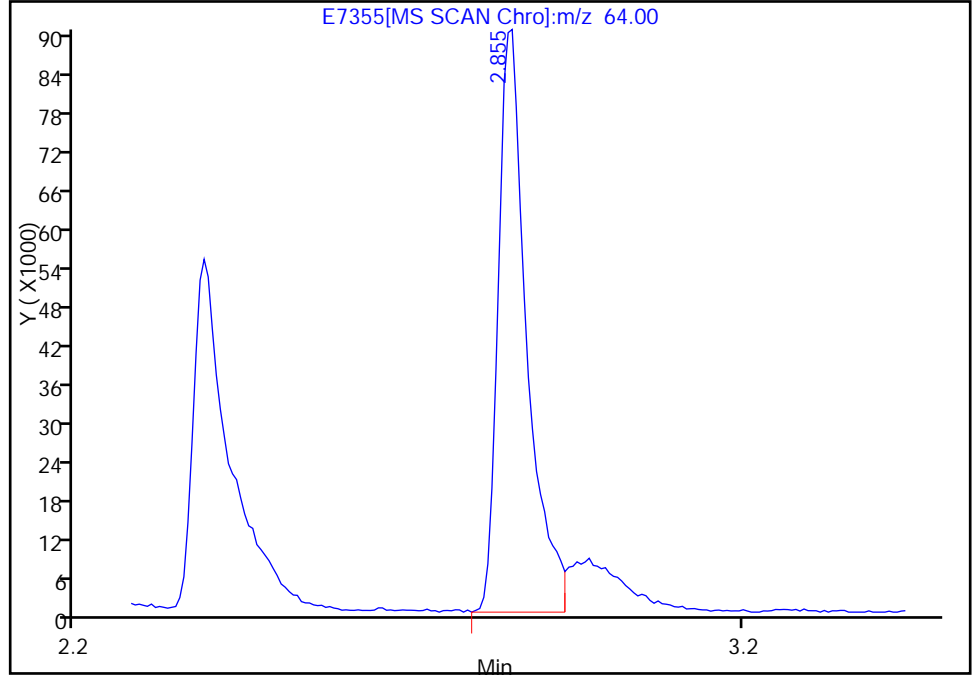


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Injection Date: 28-Jan-2012 08:36:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 6  
Operator ID: JLH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.85

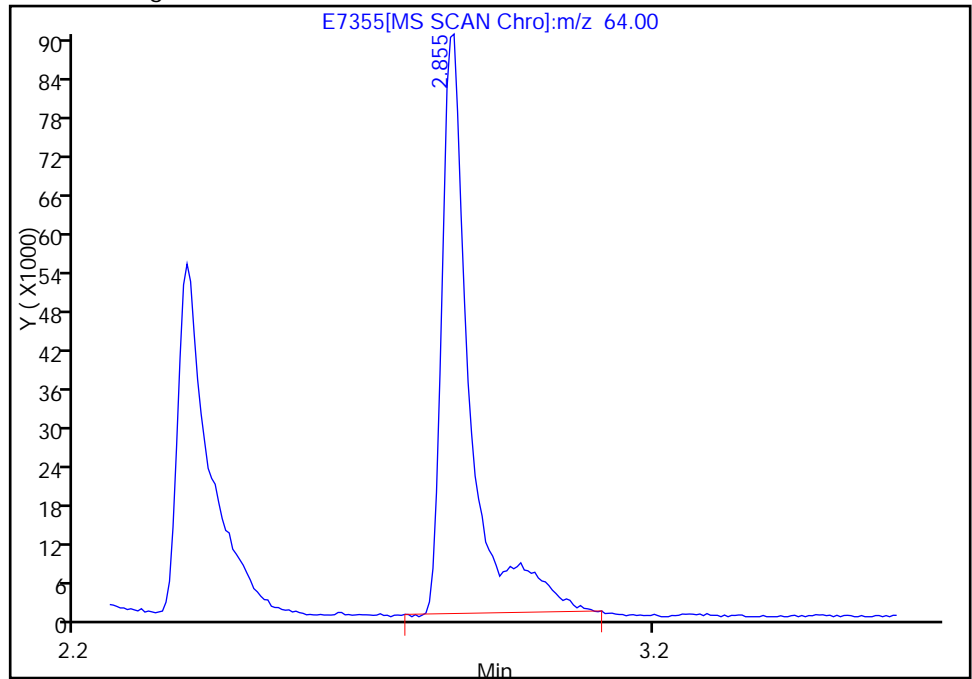
RT: 2.85  
Response: 273502  
Amount: 36.960299

Processing Integration Results



RT: 2.85  
Response: 306525  
Amount: 40.666765

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 10:44:24  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7355.D

Injection Date: 28-Jan-2012 08:36:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

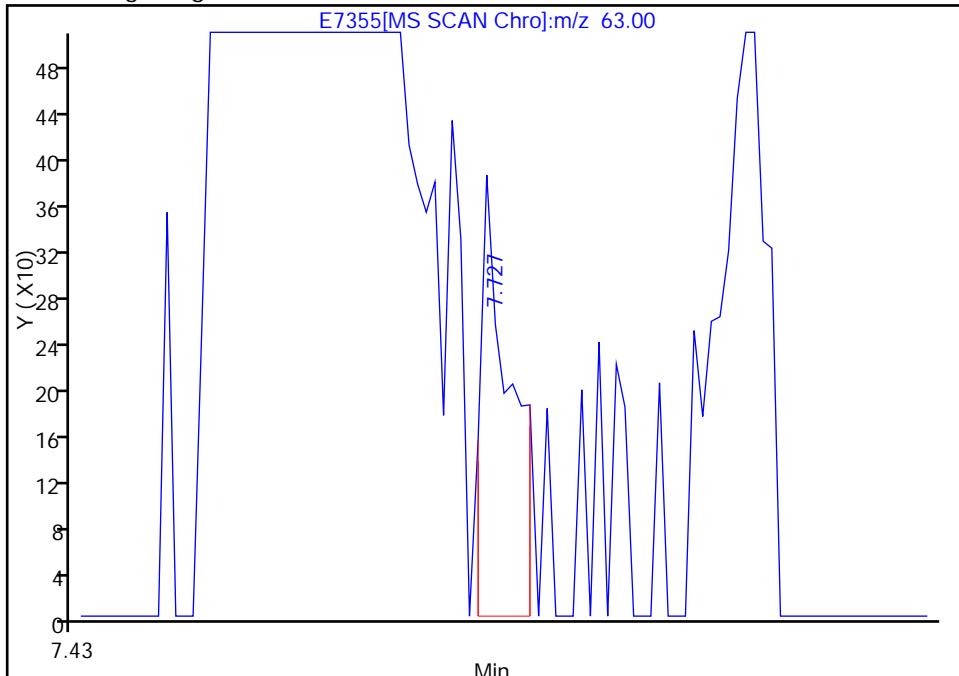
Lims Sample ID: 6

Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.58

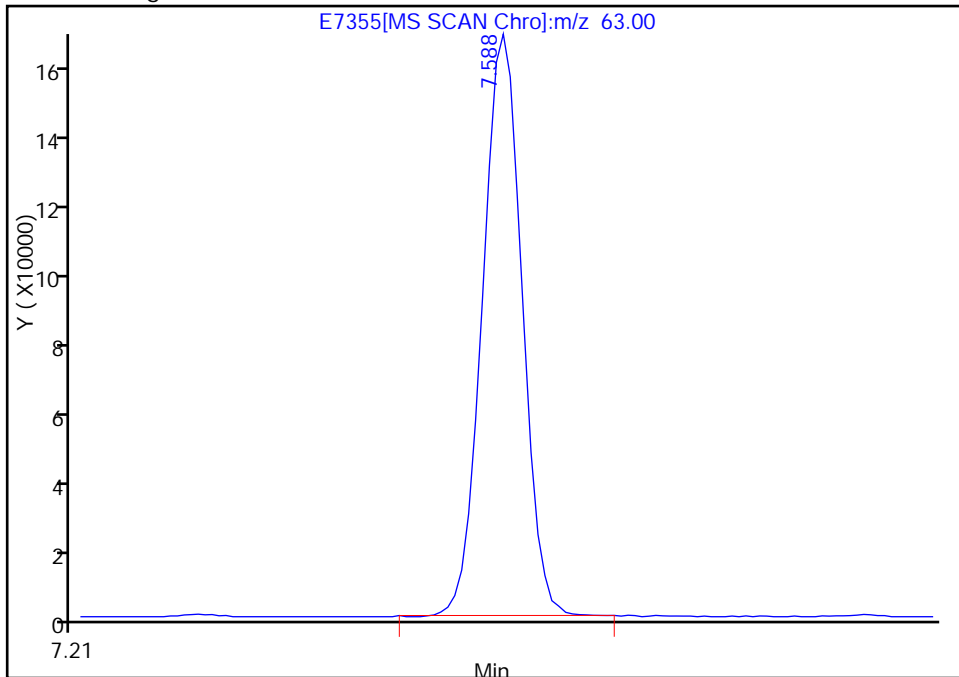
RT: 7.73  
Response: 561  
Amount: 0.070262

Processing Integration Results



RT: 7.59  
Response: 402262  
Amount: 39.184950

Manual Integration Results



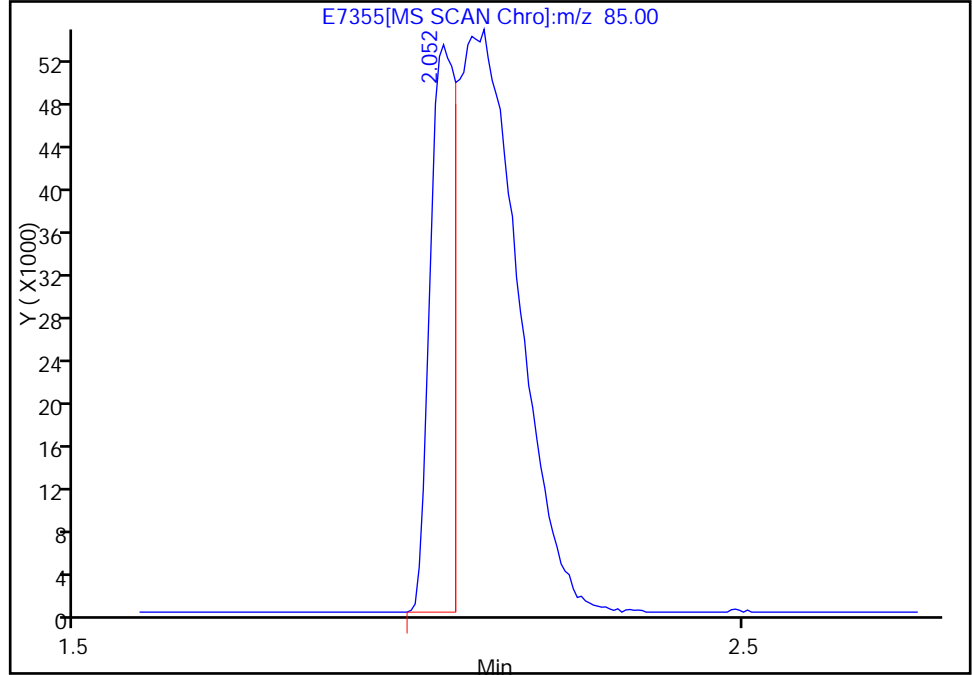
Reviewer: hallj, 28-Jan-2012 09:56:51  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7355.D  
Injection Date: 28-Jan-2012 08:36:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 6  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.11

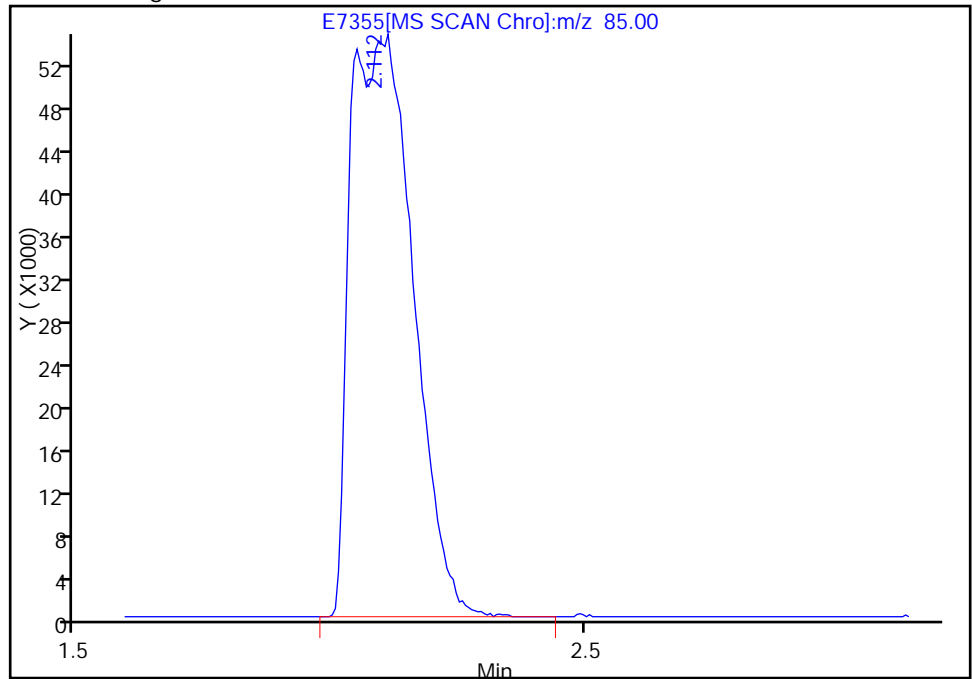
RT: 2.05  
Response: 138420  
Amount: 15.617267

Processing Integration Results



RT: 2.11  
Response: 464749  
Amount: 38.175058

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 09:56:51  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7355.D

Injection Date: 28-Jan-2012 08:36:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

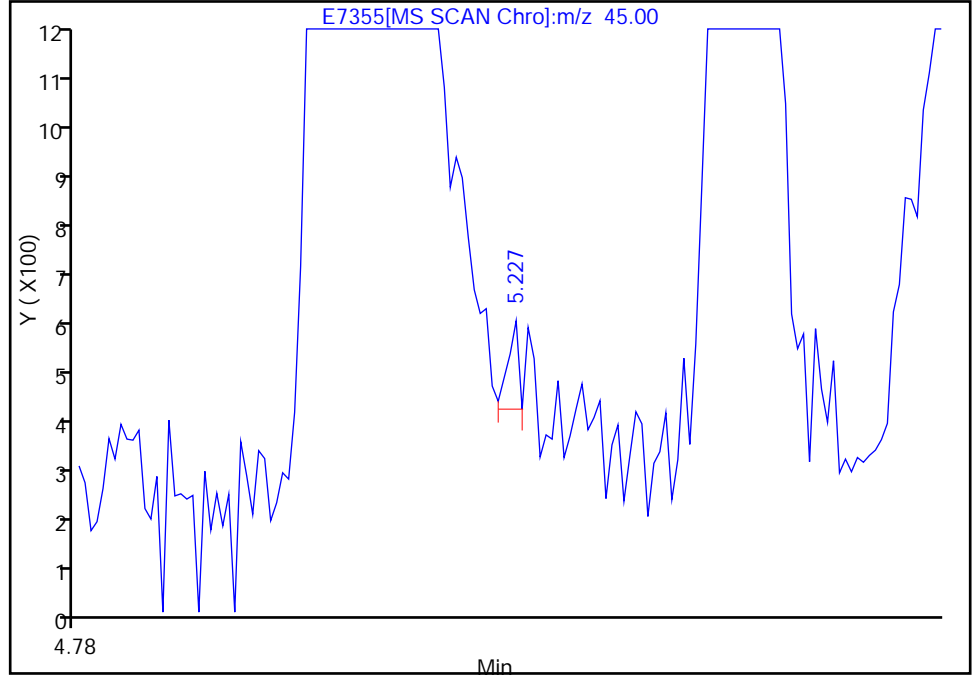
Lims Sample ID: 6

Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.06

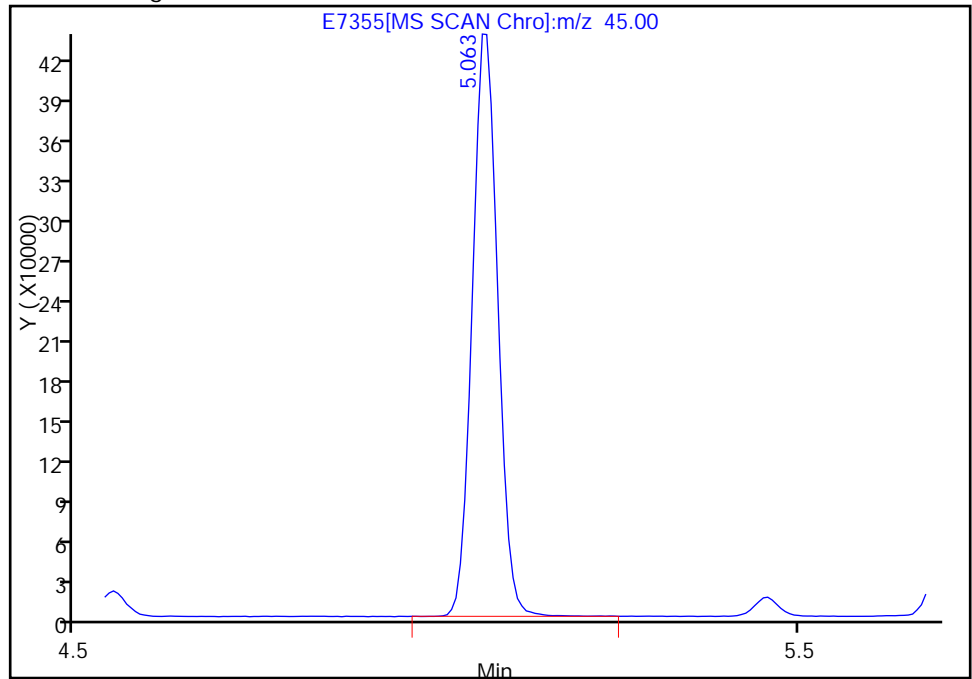
RT: 5.23  
Response: 127  
Amount: 0.005769

Processing Integration Results



RT: 5.06  
Response: 1074046  
Amount: 38.971837

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 09:56:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak



Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7355.D

Injection Date: 28-Jan-2012 08:36:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

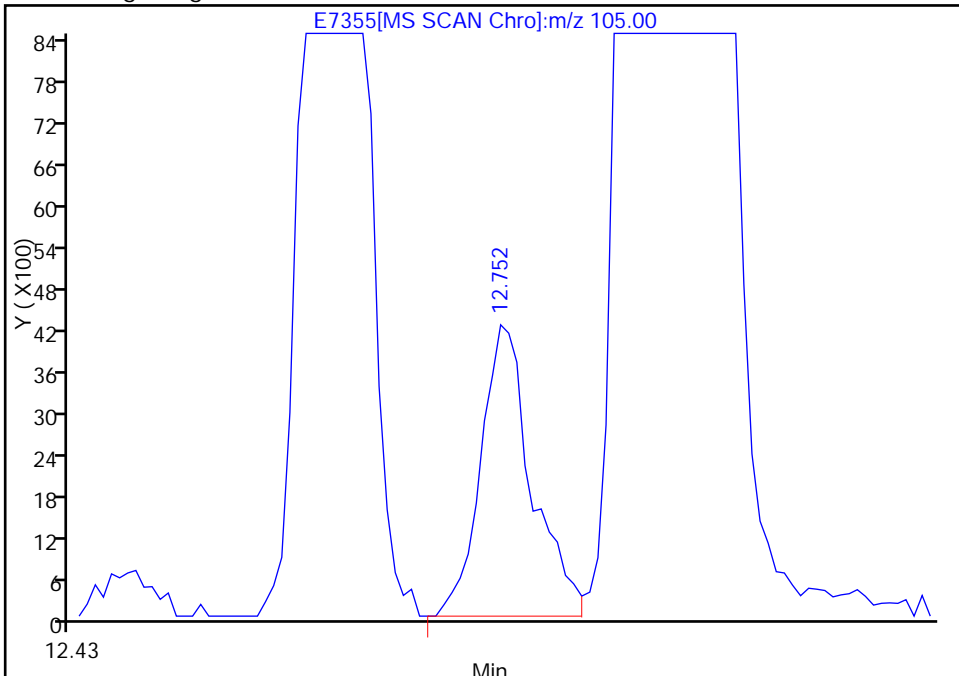
Lims Sample ID: 6

Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

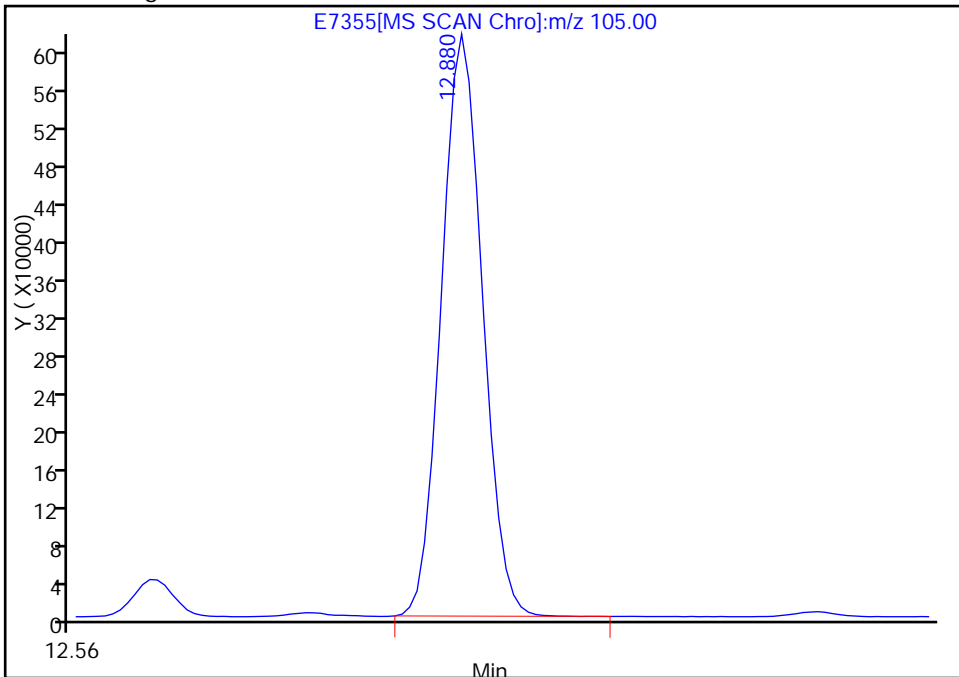
RT: 12.75  
Response: 11244  
Amount: 0.519425

Processing Integration Results



RT: 12.88  
Response: 1439744  
Amount: 42.053814

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 09:56:51  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
 Lims ID: STD050 Client ID:  
 Inject. Date: 28-Jan-2012 09:11:30 Dil. Factor: 1.0000  
 Sample Type: ICIS Calib Level: 5  
 Sample ID: STD050  
 Misc. Info.: 510-0006241-007 =510-0006241-007  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 5  
 Lims Batch ID: 93020 Lims Sample ID: 7  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 12:47:34 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 09:58:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.904	0.0	97	1585125	50.0	
* 2 Chlorobenzene-d5	117	10.645	10.645	0.0	88	1161766	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.918	0.0	80	683687	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.520	6.520	0.0	0	460827	49.5	
\$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	94	1546629	49.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	87	680228	49.3	
8 Dichlorodifluoromethane	85	2.110	2.110	0.0	88	620476	48.2	M
9 Chloromethane	50	2.268	2.268	0.0	88	558012	50.0	
10 Vinyl chloride	62	2.396	2.396	0.0	82	867151	49.2	
11 Bromomethane	94	2.736	2.736	0.0	90	79041	53.5	M
12 Chloroethane	64	2.840	2.840	0.0	99	409688	46.7	M
13 Trichlorofluoromethane	101	3.150	3.150	0.0	95	699563	51.6	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.491	3.491	0.0	95	657709	52.6	
15 Acrolein	56	3.625	3.625	0.0	88	63411	51.7	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.728	3.728	0.0	66	352714	52.6	
16 1,1-Dichloroethene	96	3.734	3.734	0.0	90	436810	51.8	
18 Acetone	58	3.795	3.795	0.0	96	67639	52.5	
19 Iodomethane	142	3.898	3.898	0.0	99	379056	56.1	
20 Carbon disulfide	76	3.977	3.977	0.0	99	1346475	52.8	
21 Methyl acetate	43	4.142	4.142	0.0	97	532726	50.3	
22 Methylene Chloride	84	4.251	4.251	0.0	83	477914	49.4	
24 Acrylonitrile	53	4.513	4.513	0.0	98	165048	49.3	
25 trans-1,2-Dichloroethene	96	4.543	4.543	0.0	75	496188	51.8	
26 Methyl tert-butyl ether	73	4.555	4.555	0.0	97	1289010	52.8	
23 2-Methyl-2-propanol	59	4.397	4.397	0.0	94	213701	187.2	
27 Hexane	57	4.835	4.835	0.0	93	827854	50.9	
28 1,1-Dichloroethane	63	4.993	4.993	0.0	85	887162	52.2	
29 Vinyl acetate	43	5.042	5.042	0.0	98	2071874	104.9	
30 Isopropyl ether	45	5.066	5.066	0.0	0	1471442	53.0	M
31 Tert-butyl ethyl ether	59	5.456	5.456	0.0	91	1222985	53.0	

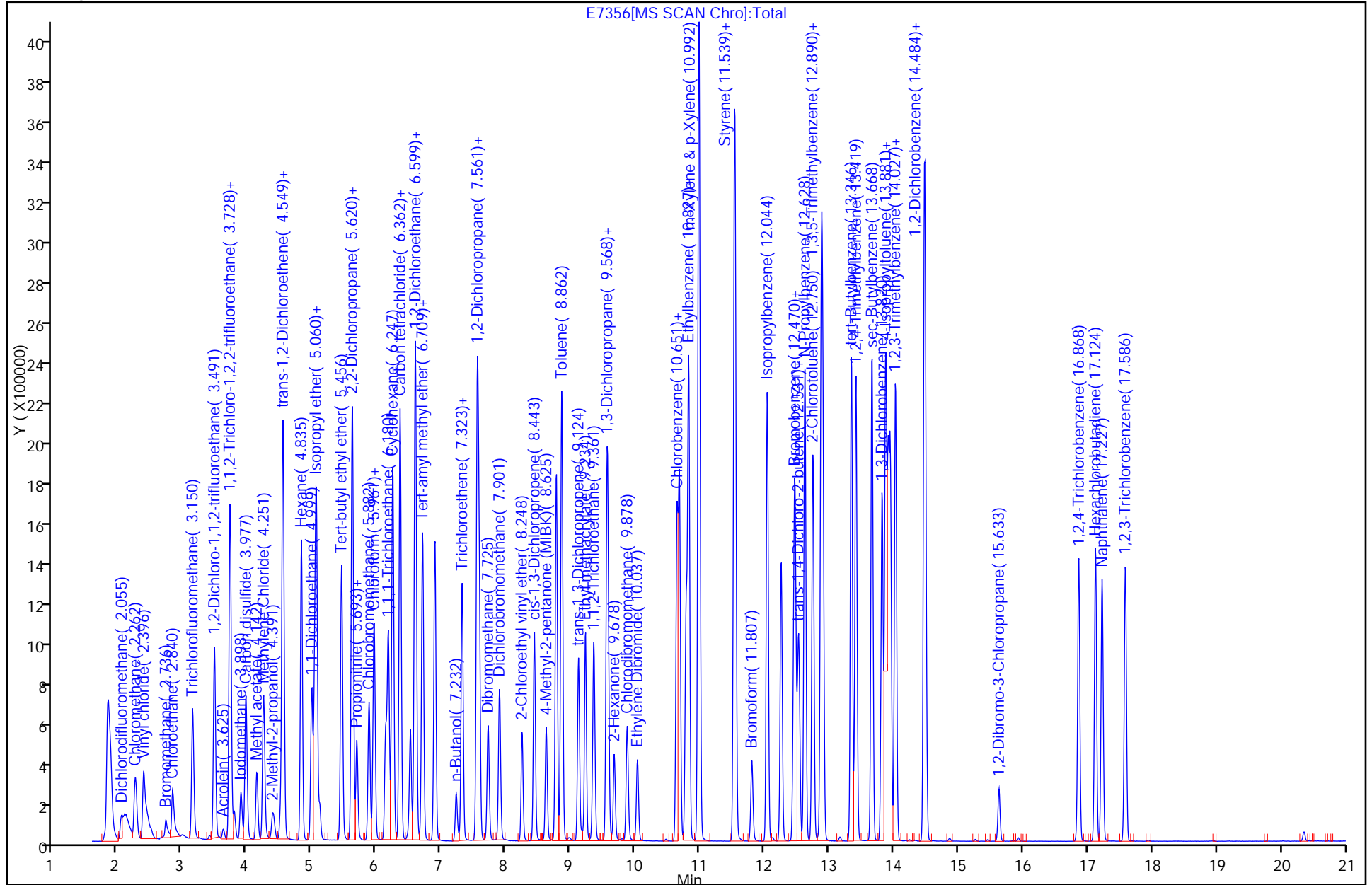
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.620	5.620	0.0	88	573234	54.2	
33 2,2-Dichloropropane	77	5.626	5.626	0.0	76	760388	54.6	
34 2-Butanone (MEK)	72	5.638	5.638	0.0	65	86804	52.5	
105 Ethyl acetate	43	5.693	5.693	0.0	0	588985	49.9	
93 Propionitrile	54	5.699	5.699	0.0	0	72398	53.4	
35 Chlorobromomethane	130	5.882	5.882	0.0	93	306713	53.2	
95 Tetrahydrofuran	42	5.948	5.948	0.0	0	166602	51.3	
36 Chloroform	83	5.961	5.961	0.0	70	887952	52.2	
37 1,1,1-Trichloroethane	97	6.180	6.180	0.0	91	793010	52.7	
38 Cyclohexane	84	6.247	6.247	0.0	88	960819	53.3	
39 1,1-Dichloropropene	75	6.362	6.362	0.0	94	800658	52.9	
40 Carbon tetrachloride	117	6.368	6.368	0.0	75	663227	53.2	
41 Benzene	78	6.593	6.593	0.0	93	2088065	53.4	
42 1,2-Dichloroethane	62	6.605	6.605	0.0	48	667176	51.8	
43 Isobutyl alcohol	41	6.709	6.709	0.0	42	193031	52.5	
44 Tert-amyl methyl ether	73	6.709	6.709	0.0	94	1295149	54.4	
102 n-Butanol	56	7.232	7.232	0.0	0	166367	549.8	
45 Trichloroethene	132	7.323	7.323	0.0	89	504736	51.7	
46 Methylcyclohexane	83	7.554	7.554	0.0	93	1078845	52.5	
47 1,2-Dichloropropane	63	7.585	7.585	0.0	0	557682	51.9	M
48 Dibromomethane	93	7.725	7.725	0.0	91	280250	50.9	
49 Dichlorobromomethane	83	7.901	7.901	0.0	91	653407	52.6	
50 2-Chloroethyl vinyl ether	63	8.248	8.248	0.0	90	292186	110.7	
54 cis-1,3-Dichloropropene	75	8.443	8.443	0.0	93	783834	53.7	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.625	0.0	96	450648	51.9	
53 Toluene	91	8.862	8.862	0.0	80	2046893	52.8	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	89	675134	53.2	
55 Ethyl methacrylate	69	9.234	9.234	0.0	77	750828	54.4	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	87	358953	50.1	
57 Tetrachloroethene	164	9.562	9.562	0.0	95	415585	50.9	
58 1,3-Dichloropropane	76	9.580	9.580	0.0	89	805991	51.7	
59 2-Hexanone	43	9.678	9.678	0.0	73	347158	51.6	
60 Chlorodibromomethane	129	9.878	9.878	0.0	87	409977	51.3	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	376384	50.5	
62 Chlorobenzene	112	10.687	10.687	0.0	93	1241461	51.2	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	86	448278	52.6	
64 Ethylbenzene	91	10.827	10.827	0.0	96	2227215	53.9	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	3199724	108.8	
66 o-Xylene	91	11.533	11.533	0.0	89	1790587	53.4	
67 Styrene	104	11.551	11.551	0.0	87	1390462	52.7	
68 Bromoform	173	11.807	11.807	0.0	97	260187	51.1	
69 Isopropylbenzene	105	12.044	12.044	0.0	95	1932200	54.3	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	90	568049	51.8	
70 Bromobenzene	156	12.476	12.476	0.0	91	536992	51.7	
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	84	710111	52.9	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.537	0.0	41	148548	52.4	
74 N-Propylbenzene	91	12.628	12.628	0.0	94	2510195	53.7	
75 2-Chlorotoluene	91	12.750	12.750	0.0	95	1561598	52.4	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	28	1738784	52.5	M
77 4-Chlorotoluene	91	12.902	12.902	0.0	92	1805521	52.2	
78 tert-Butylbenzene	119	13.346	13.346	0.0	90	1560969	54.6	
80 1,2,4-Trimethylbenzene	105	13.419	13.419	0.0	56	1797672	52.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.668	13.668	0.0	96	2225621	52.9	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	95	1006148	52.2	
79 4-Isopropyltoluene	119	13.875	13.875	0.0	84	1847403	52.6	
83 1,4-Dichlorobenzene	146	13.954	13.954	0.0	86	1014044	51.6	
99 1,2,3-Trimethylbenzene	105	14.027	14.027	0.0	0	1848710	51.4	
84 n-Butylbenzene	91	14.477	14.477	0.0	93	1818551	53.9	
85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	93	937652	52.0	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	62	97343	51.4	
87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	92	642846	53.6	
88 Hexachlorobutadiene	225	17.124	17.124	0.0	97	423011	49.4	
89 Naphthalene	128	17.227	17.227	0.0	98	1432944	54.4	
90 1,2,3-Trichlorobenzene	180	17.586	17.586	0.0	92	632377	52.4	
S 92 Total 1,2-dichloroethene	100				0		106.0	
S 91 Xylenes, Total	100				0		162.2	

## QC Flag Legend

## Review Flags

M - Manually Integrated

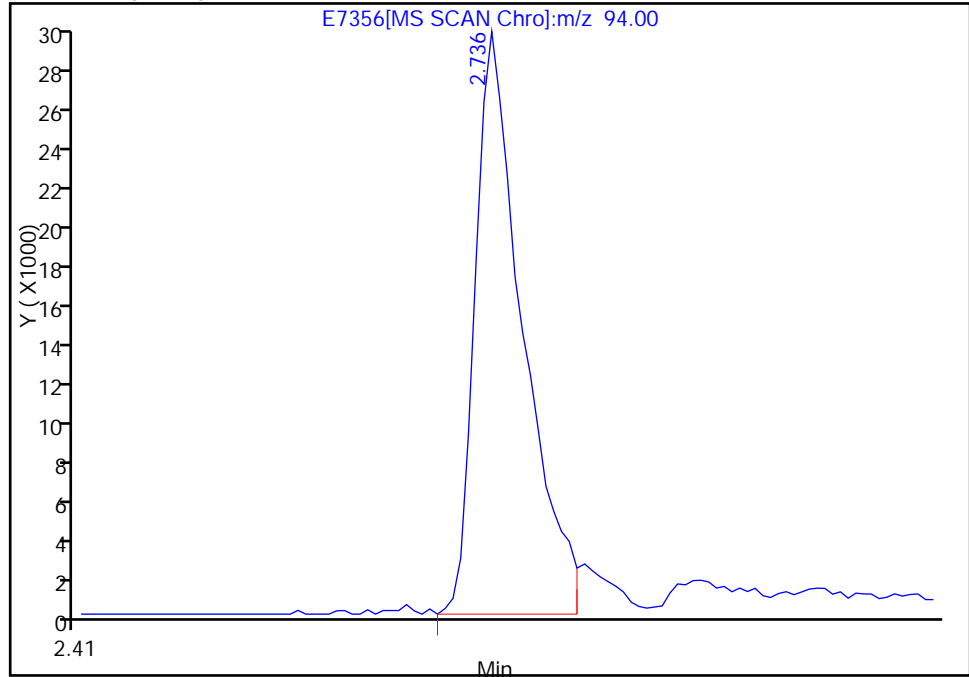


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.74

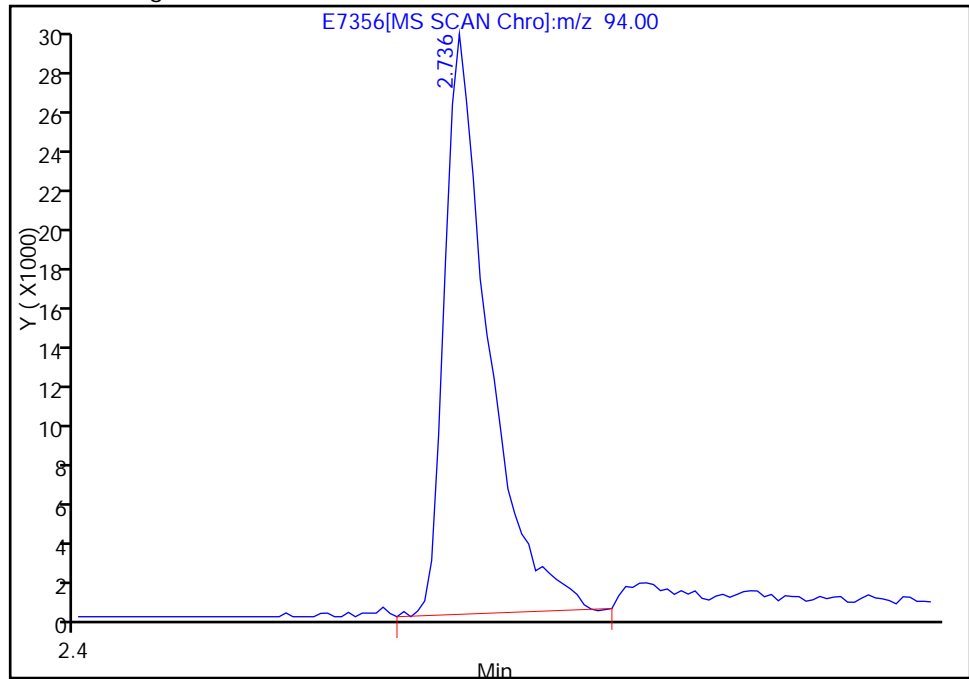
RT: 2.74  
Response: 76669  
Amount: 33.144774

Processing Integration Results



RT: 2.74  
Response: 79041  
Amount: 53.507468

Manual Integration Results



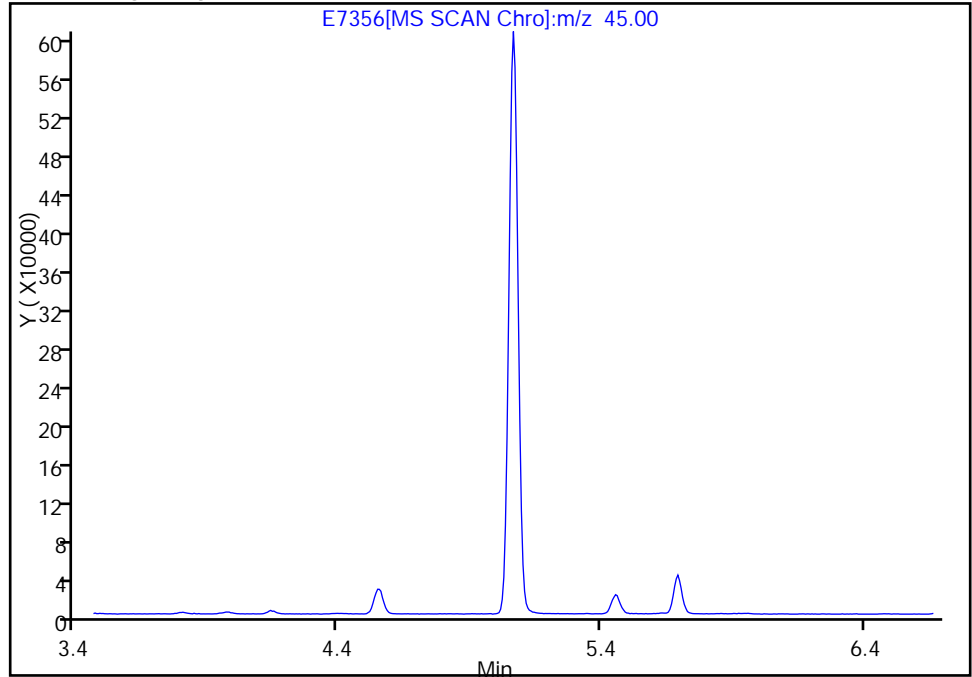
Reviewer: hallj, 28-Jan-2012 09:58:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

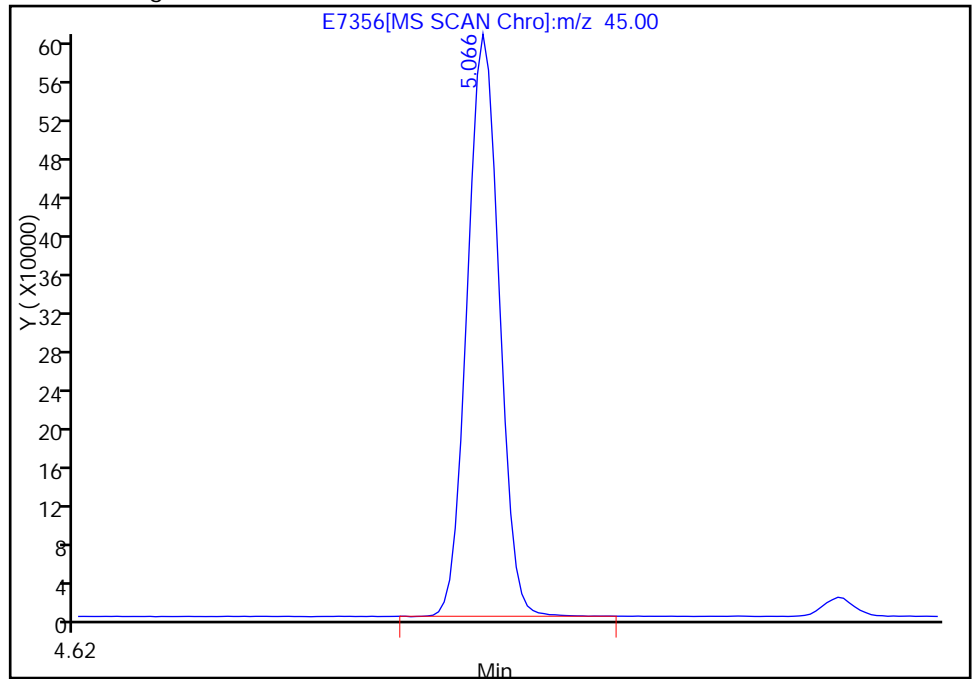
Not Detected  
Expected RT: 5.07

Processing Integration Results



RT: 5.07  
Response: 1471442  
Amount: 53.046243

Manual Integration Results



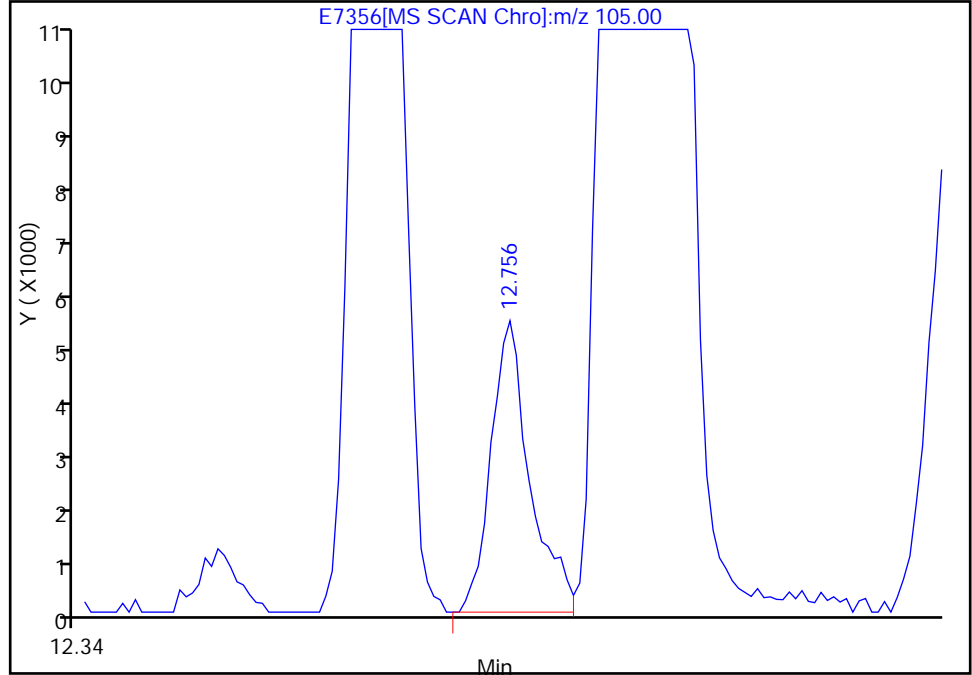
Reviewer: hallj, 28-Jan-2012 09:58:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

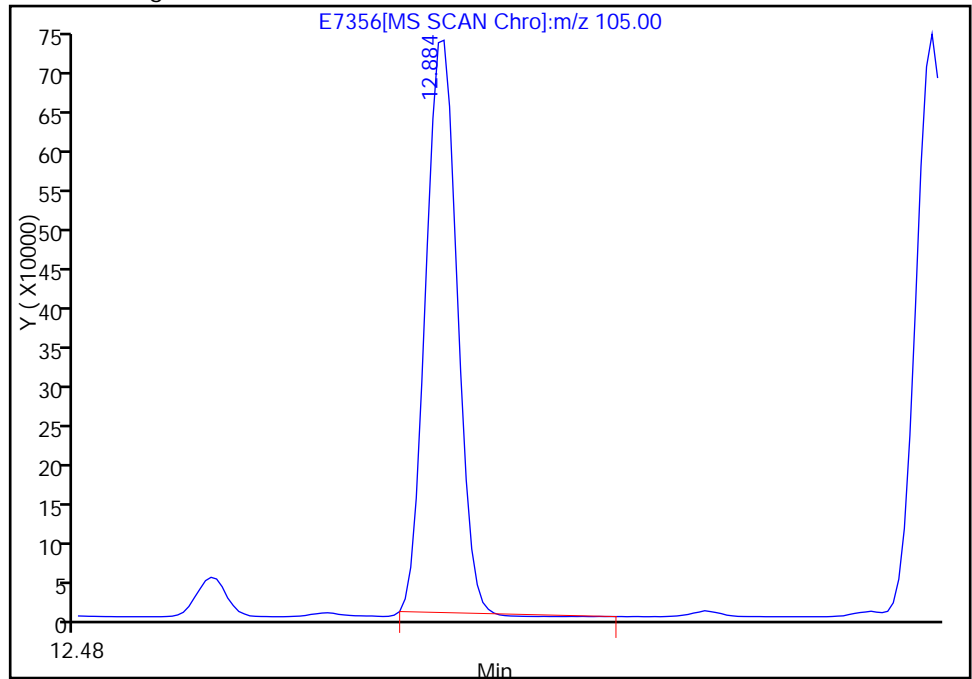
RT: 12.76  
Response: 13043  
Amount: 0.438082

Processing Integration Results



RT: 12.88  
Response: 1738784  
Amount: 52.453390

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 09:58:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

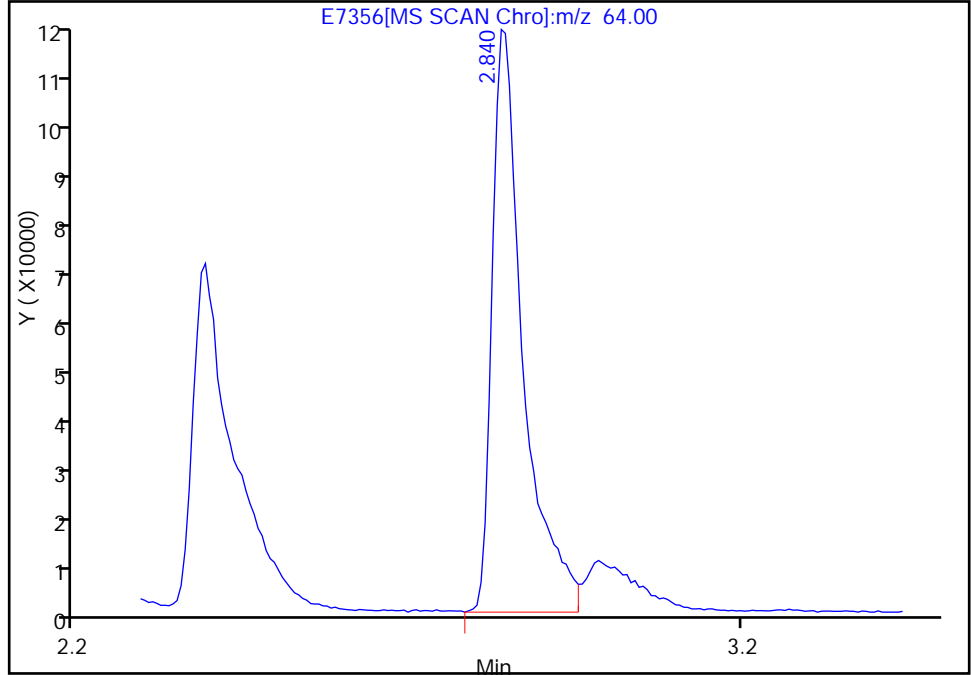


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.84

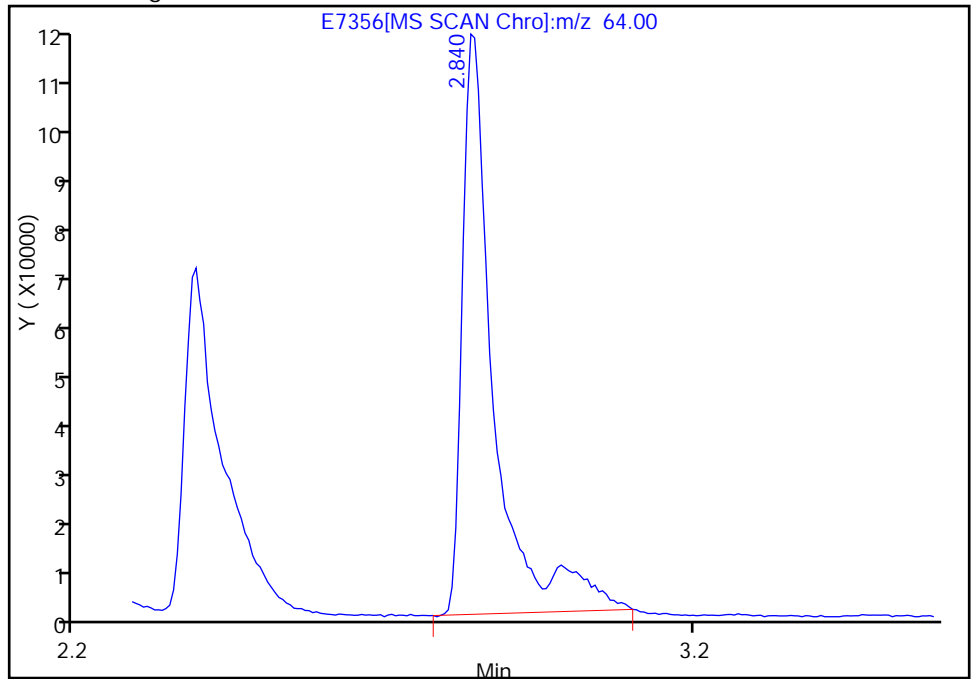
RT: 2.84  
Response: 373637  
Amount: 48.293501

Processing Integration Results



RT: 2.84  
Response: 409688  
Amount: 46.694873

Manual Integration Results



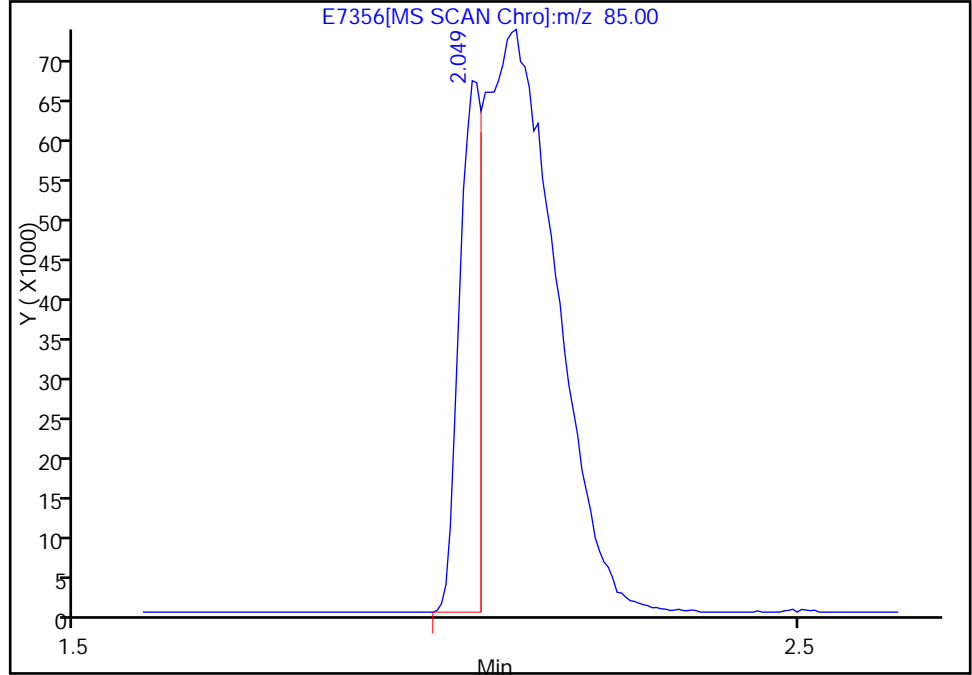
Reviewer: hallj, 28-Jan-2012 10:44:09  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.11

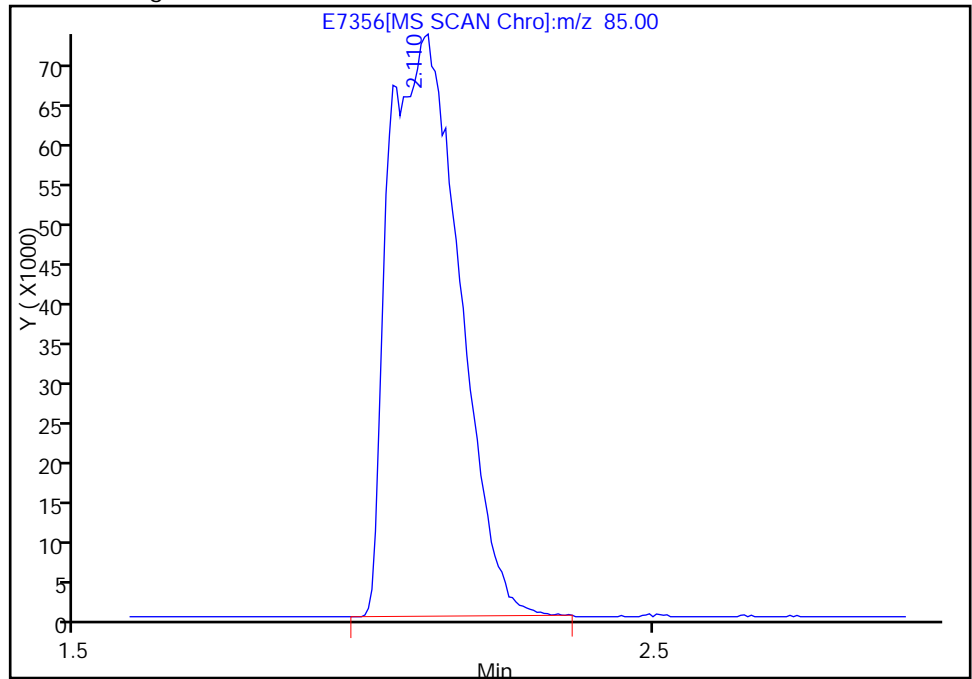
RT: 2.05  
Response: 142016  
Amount: 12.744671

Processing Integration Results



RT: 2.11  
Response: 620476  
Amount: 48.155131

Manual Integration Results



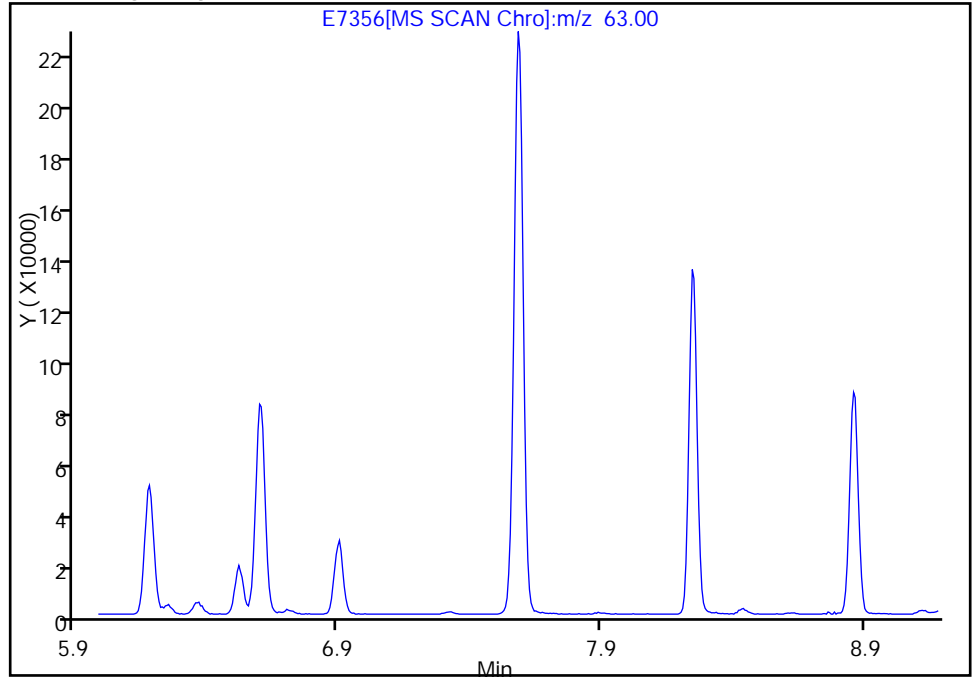
Reviewer: hallj, 28-Jan-2012 09:58:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7356.D  
Injection Date: 28-Jan-2012 09:11:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 7  
Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.58

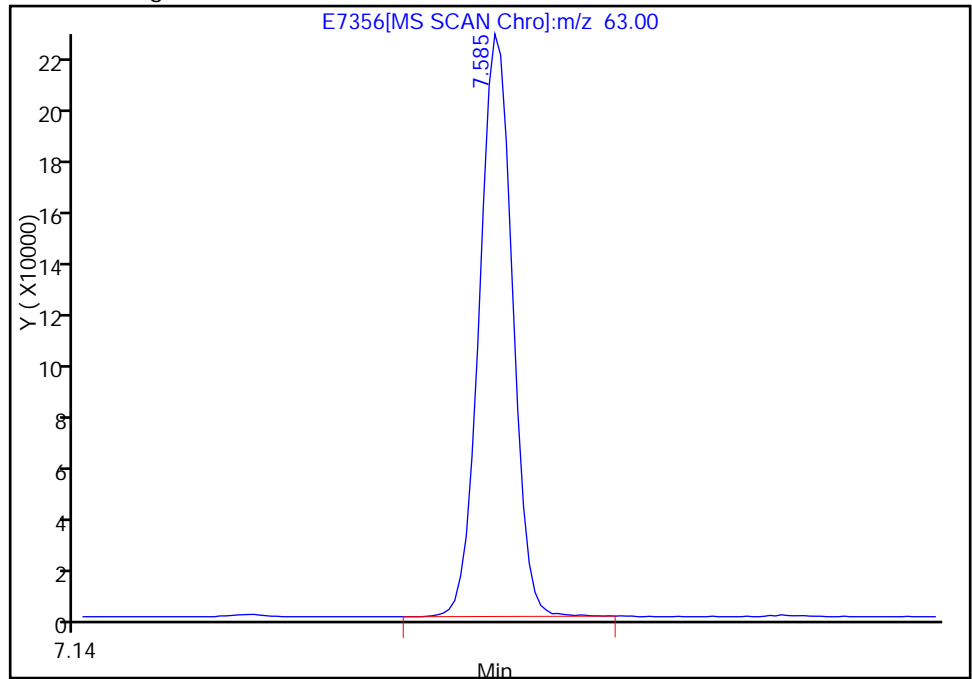
Not Detected  
Expected RT: 7.58

Processing Integration Results



Manual Integration Results

RT: 7.58  
Response: 557682  
Amount: 51.894729



Reviewer: hallj, 28-Jan-2012 09:58:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
 Lims ID: STD100 Client ID:  
 Inject. Date: 28-Jan-2012 09:45:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 6  
 Sample ID: STD100  
 Misc. Info.: 510-0006241-008 =510-0006241-008  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 6  
 Lims Batch ID: 93020 Lims Sample ID: 8  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 10:43:42 Calib Date: 28-Jan-2012 09:45:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 10:43:42

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.901	6.904	-0.003	97	1546800	50.0	
* 2 Chlorobenzene-d5	117	10.648	10.645	0.003	88	1190850	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.915	13.918	-0.003	78	716540	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.517	6.520	-0.003	0	456957	50.3	
\$ 6 Toluene-d8 (Surr)	98	8.780	8.783	-0.003	93	1523051	50.2	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.260	12.263	-0.003	86	723903	50.4	
8 Dichlorodifluoromethane	85	2.119	2.110	0.009	89	1197506	94.9	
9 Chloromethane	50	2.259	2.268	-0.009	88	1037538	93.4	
10 Vinyl chloride	62	2.393	2.393	0.0	82	1699866	100.5	M
11 Bromomethane	94	2.727	2.736	-0.009	90	129946	99.2	
12 Chloroethane	64	2.825	2.825	0.0	95	404941	53.6	M
13 Trichlorofluoromethane	101	3.123	3.150	-0.027	80	1215314	90.3	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.476	3.491	-0.015	86	1150781	91.5	
15 Acrolein	56	3.622	3.625	-0.003	92	119334	97.7	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.713	3.728	-0.015	70	633486	94.4	
16 1,1-Dichloroethene	96	3.719	3.734	-0.015	89	734307	86.6	
18 Acetone	58	3.798	3.795	0.003	96	113760	95.5	
19 Iodomethane	142	3.889	3.898	-0.009	99	599399	86.1	
20 Carbon disulfide	76	3.962	3.977	-0.015	99	2198683	84.4	
21 Methyl acetate	43	4.145	4.142	0.003	96	916114	86.1	
22 Methylene Chloride	84	4.242	4.251	-0.009	84	827951	85.6	
23 2-Methyl-2-propanol	59	4.425	4.397	0.028	94	404894	378.1	
24 Acrylonitrile	53	4.516	4.513	0.003	65	293793	88.8	
25 trans-1,2-Dichloroethene	96	4.534	4.543	-0.009	92	832837	86.3	
26 Methyl tert-butyl ether	73	4.552	4.555	-0.003	92	2111089	85.0	
27 Hexane	57	4.826	4.835	-0.009	94	1395253	84.3	
28 1,1-Dichloroethane	63	4.990	4.993	-0.003	84	1457041	84.8	
29 Vinyl acetate	43	5.039	5.042	-0.003	98	3423411	167.5	
30 Isopropyl ether	45	5.063	5.063	0.0	1	2354843	82.5	M
31 Tert-butyl ethyl ether	59	5.453	5.456	-0.003	89	2008161	86.1	

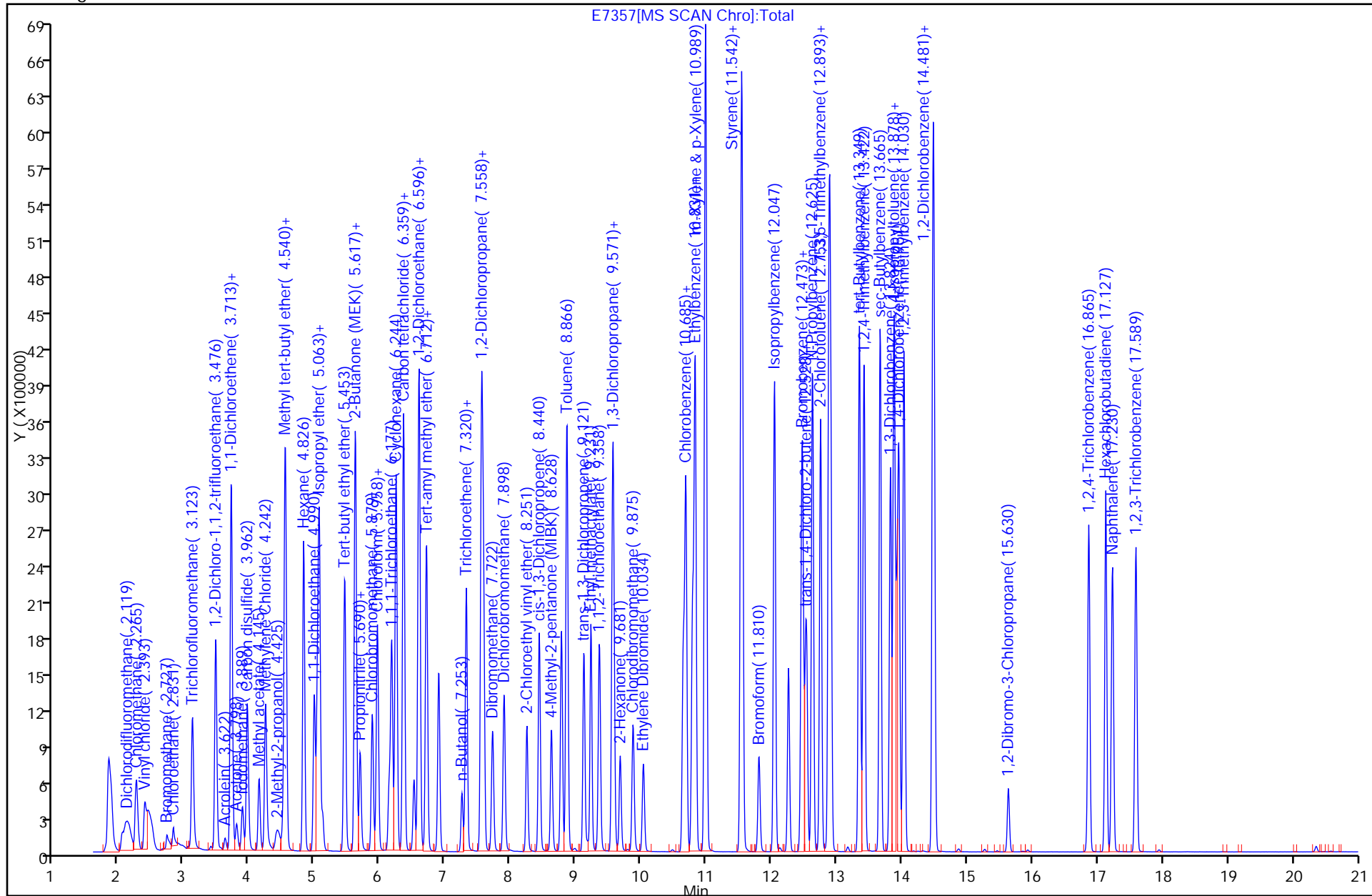
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.617	5.620	-0.003	86	908293	85.0	
33 2,2-Dichloropropane	77	5.617	5.626	-0.009	75	1226212	88.3	
34 2-Butanone (MEK)	72	5.635	5.638	-0.003	68	143963	88.6	
105 Ethyl acetate	43	5.690	5.693	-0.003	0	997125	85.1	
93 Propionitrile	54	5.702	5.699	0.003	0	124586	86.5	
35 Chlorobromomethane	130	5.879	5.882	-0.003	94	476065	82.4	
95 Tetrahydrofuran	42	5.952	5.948	0.004	0	303315	86.2	
36 Chloroform	83	5.958	5.961	-0.003	69	1452571	84.3	
37 1,1,1-Trichloroethane	97	6.177	6.180	-0.003	91	1309220	86.8	
38 Cyclohexane	84	6.244	6.247	-0.003	89	1585061	87.6	
39 1,1-Dichloropropene	75	6.353	6.362	-0.009	93	1326597	87.4	
40 Carbon tetrachloride	117	6.365	6.368	-0.003	75	1100428	88.5	
41 Benzene	78	6.590	6.593	-0.003	94	3231549	76.8	
42 1,2-Dichloroethane	62	6.602	6.605	-0.003	52	1119363	86.7	
43 Isobutyl alcohol	41	6.706	6.709	-0.003	38	326608	89.6	
44 Tert-amyl methyl ether	73	6.712	6.709	0.003	93	2131910	89.5	
102 n-Butanol	56	7.253	7.232	0.021	0	333665	1195.1	
45 Trichloroethene	132	7.320	7.323	-0.003	89	843110	86.1	
46 Methylcyclohexane	83	7.558	7.554	0.004	93	1777266	85.2	
47 1,2-Dichloropropane	63	7.582	7.582	0.0	0	943808	88.7	M
48 Dibromomethane	93	7.722	7.725	-0.003	87	490871	90.7	
49 Dichlorobromomethane	83	7.898	7.901	-0.003	91	1116543	91.5	
50 2-Chloroethyl vinyl ether	63	8.251	8.248	0.003	91	568280	230.4	
54 cis-1,3-Dichloropropene	75	8.440	8.443	-0.003	92	1357073	95.5	
52 4-Methyl-2-pentanone (MIBK)	43	8.622	8.625	-0.003	96	821001	99.5	
53 Toluene	91	8.866	8.862	0.004	84	3210047	76.2	
51 trans-1,3-Dichloropropene	75	9.121	9.124	-0.003	89	1202962	98.7	
55 Ethyl methacrylate	69	9.231	9.234	-0.003	75	1318864	98.7	
56 1,1,2-Trichloroethane	83	9.358	9.361	-0.003	87	634248	90.1	
57 Tetrachloroethene	164	9.565	9.562	0.003	88	711840	87.0	
58 1,3-Dichloropropane	76	9.577	9.580	-0.003	90	1370795	88.3	
59 2-Hexanone	43	9.681	9.678	0.003	79	650155	103.2	
60 Chlorodibromomethane	129	9.881	9.878	0.003	88	748530	98.0	
61 Ethylene Dibromide	107	10.034	10.037	-0.003	100	679745	93.8	
62 Chlorobenzene	112	10.685	10.687	-0.003	93	2115404	80.7	
63 1,1,1,2-Tetrachloroethane	131	10.788	10.791	-0.003	86	797766	90.5	
64 Ethylbenzene	91	10.831	10.827	0.003	95	3582831	77.9	
65 m-Xylene & p-Xylene	91	10.989	10.992	-0.003	0	4902930	199.7	
66 o-Xylene	91	11.536	11.533	0.003	85	3022835	83.1	
67 Styrene	104	11.554	11.551	0.003	86	2419133	85.6	
68 Bromoform	173	11.810	11.807	0.003	99	510802	101.7	
69 Isopropylbenzene	105	12.047	12.044	0.003	93	3236800	83.9	
71 1,1,2,2-Tetrachloroethane	83	12.461	12.458	0.003	89	1040243	88.7	
70 Bromobenzene	156	12.479	12.476	0.003	92	984171	88.1	
72 1,2,3-Trichloropropane	75	12.528	12.525	0.003	83	1336169	94.0	
73 trans-1,4-Dichloro-2-butene	53	12.540	12.537	0.003	44	290682	99.9	
74 N-Propylbenzene	91	12.625	12.628	-0.003	93	4107440	75.4	
75 2-Chlorotoluene	91	12.753	12.750	0.003	96	2707040	81.6	
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	36	3044803	82.1	M
77 4-Chlorotoluene	91	12.905	12.902	0.003	91	3111248	79.9	
78 tert-Butylbenzene	119	13.349	13.346	0.003	89	2694867	85.9	
80 1,2,4-Trimethylbenzene	105	13.422	13.419	0.003	29	3066337	80.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.665	13.668	-0.003	95	3706996	79.1	
82 1,3-Dichlorobenzene	146	13.824	13.827	-0.003	93	1751159	82.6	
79 4-Isopropyltoluene	119	13.878	13.875	0.003	86	3132392	81.0	
83 1,4-Dichlorobenzene	146	13.951	13.954	-0.003	83	1759935	81.2	
99 1,2,3-Trimethylbenzene	105	14.030	14.027	0.003	0	3114264	80.1	
84 n-Butylbenzene	91	14.475	14.477	-0.003	90	3094084	82.0	
85 1,2-Dichlorobenzene	146	14.493	14.496	-0.003	89	1628438	82.0	
86 1,2-Dibromo-3-Chloropropane	157	15.636	15.633	0.003	62	197713	102.7	
87 1,2,4-Trichlorobenzene	180	16.865	16.868	-0.003	93	1196120	93.8	
88 Hexachlorobutadiene	225	17.127	17.124	0.003	97	801626	86.9	
89 Naphthalene	128	17.230	17.227	0.003	97	2552651	88.7	
90 1,2,3-Trichlorobenzene	180	17.589	17.586	0.003	93	1156978	89.1	
S 92 Total 1,2-dichloroethene	100				0		171.3	
S 91 Xylenes, Total	100				0		282.8	

## QC Flag Legend

## Review Flags

M - Manually Integrated

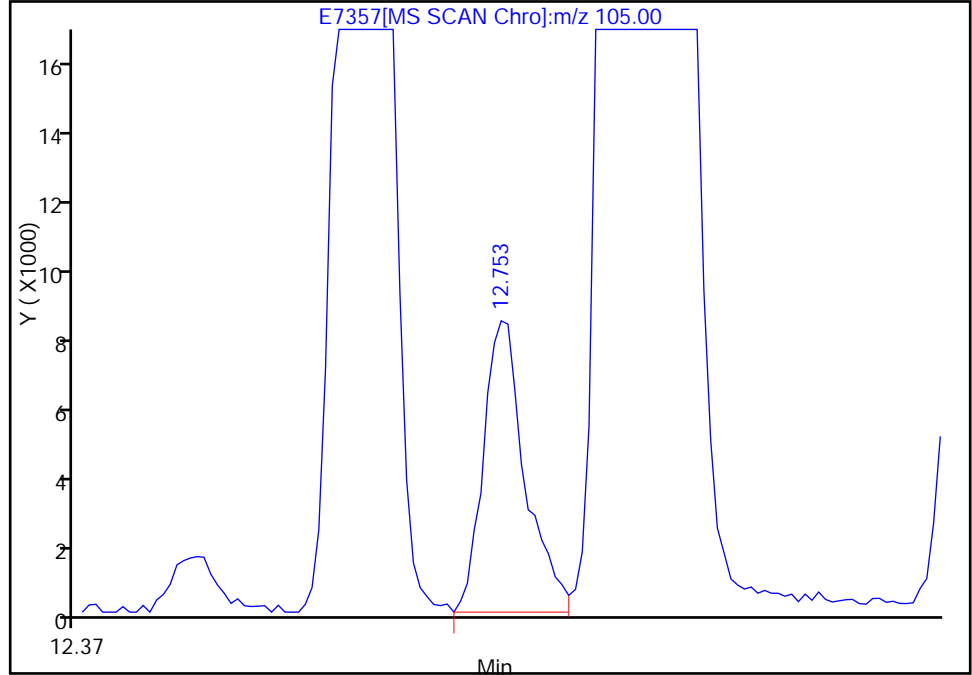


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Injection Date: 28-Jan-2012 09:45:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 8  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

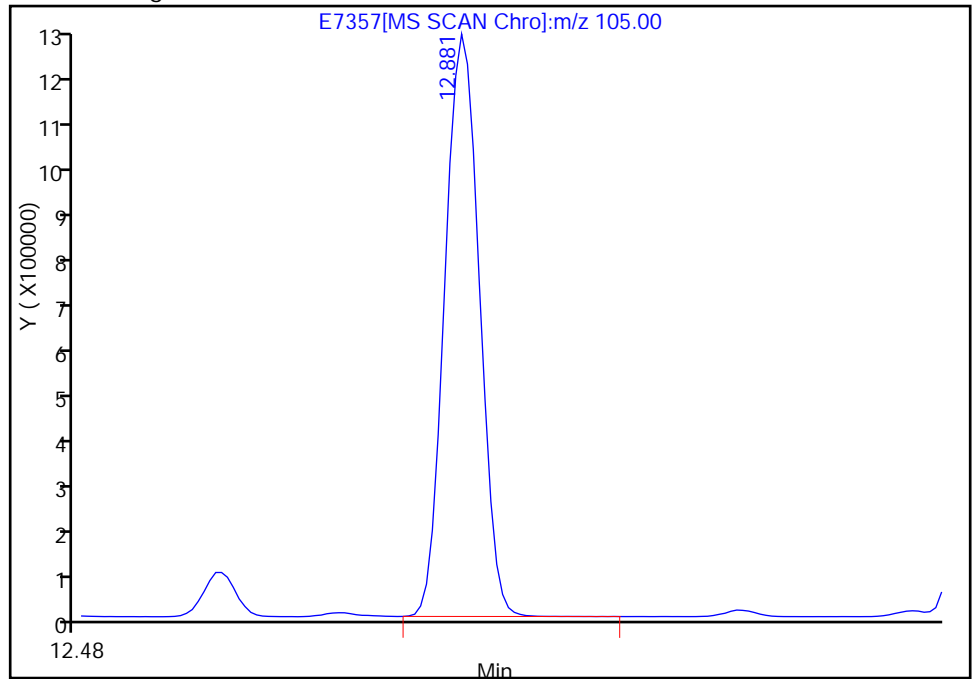
RT: 12.75  
Response: 21768  
Amount: 0.678803

Processing Integration Results



RT: 12.88  
Response: 3044803  
Amount: 82.055557

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 10:43:42  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

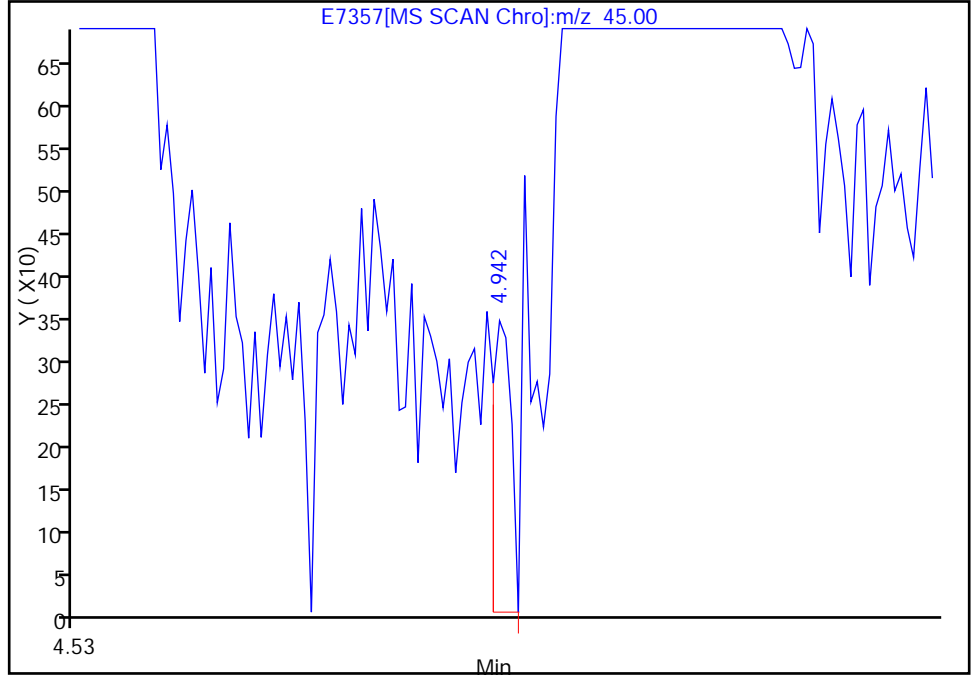


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
Injection Date: 28-Jan-2012 09:45:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 8  
Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.06

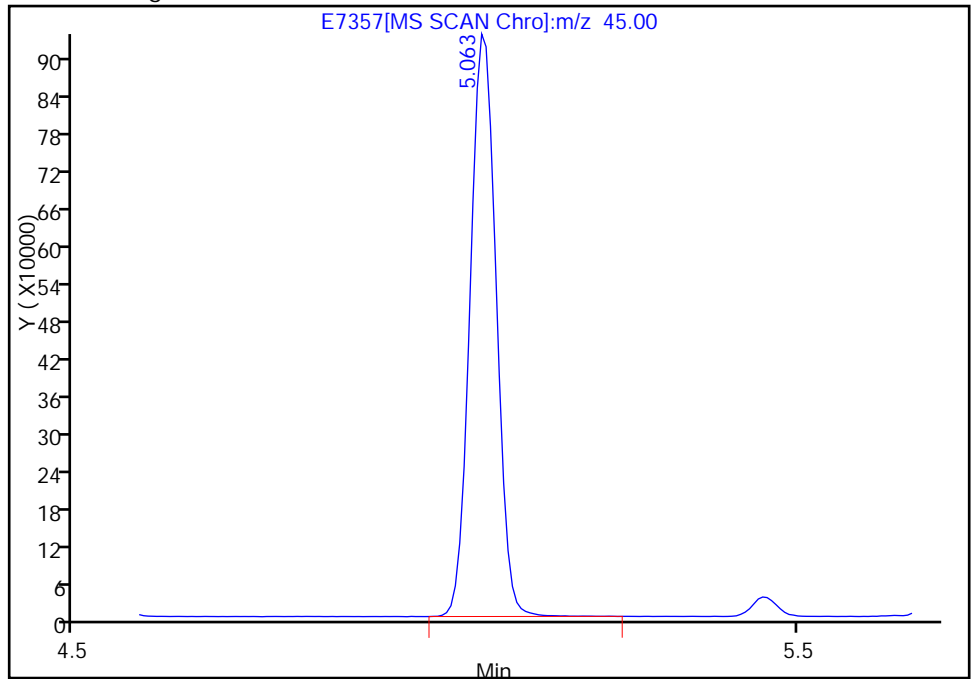
RT: 4.94  
Response: 424  
Amount: 0.017215

Processing Integration Results



RT: 5.06  
Response: 2354843  
Amount: 82.468751

Manual Integration Results



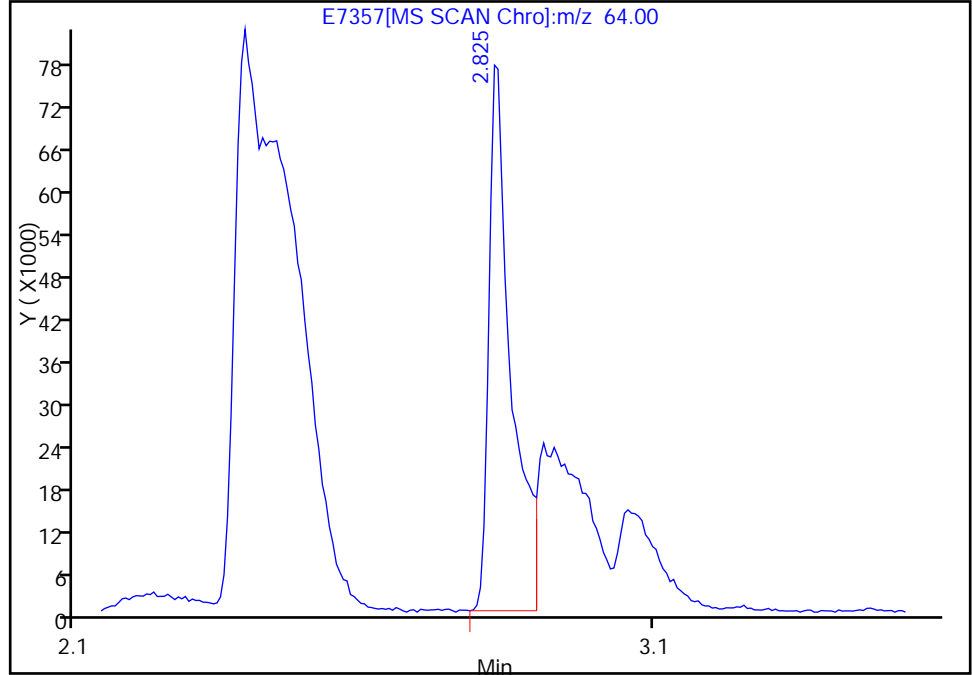
Reviewer: hallj, 28-Jan-2012 10:43:42  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
Injection Date: 28-Jan-2012 09:45:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 8  
Operator ID: JLH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.82

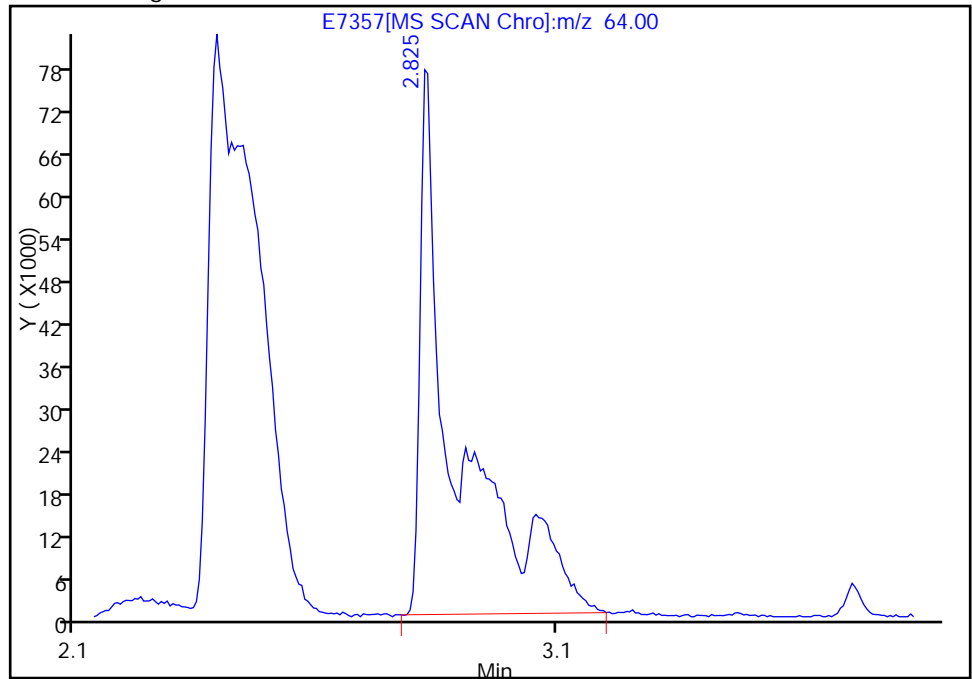
RT: 2.82  
Response: 210209  
Amount: 29.093931

Processing Integration Results



RT: 2.82  
Response: 404941  
Amount: 53.636436

Manual Integration Results



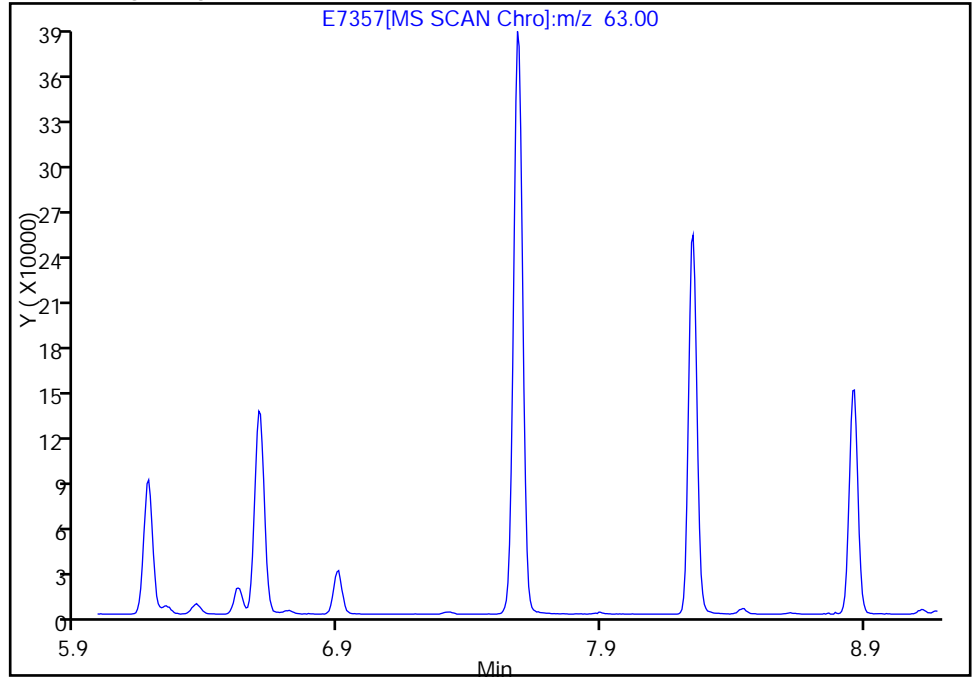
Reviewer: hallj, 28-Jan-2012 10:43:42  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
Injection Date: 28-Jan-2012 09:45:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 8  
Operator ID: JLH

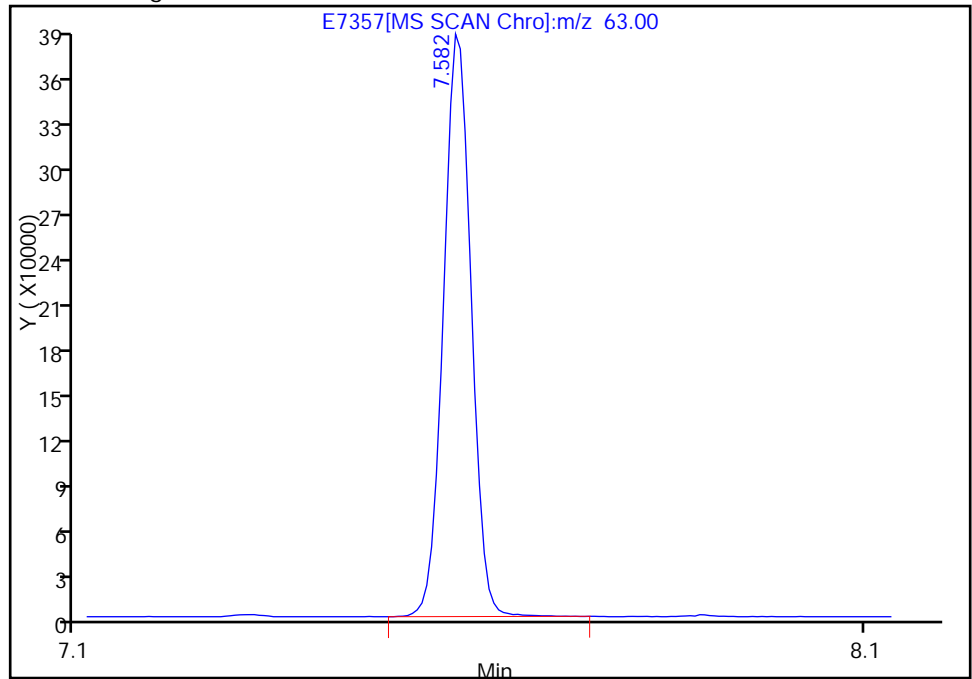
47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.58

Not Detected  
Expected RT: 7.58

Processing Integration Results



Manual Integration Results



RT: 7.58  
Response: 943808  
Amount: 88.734684

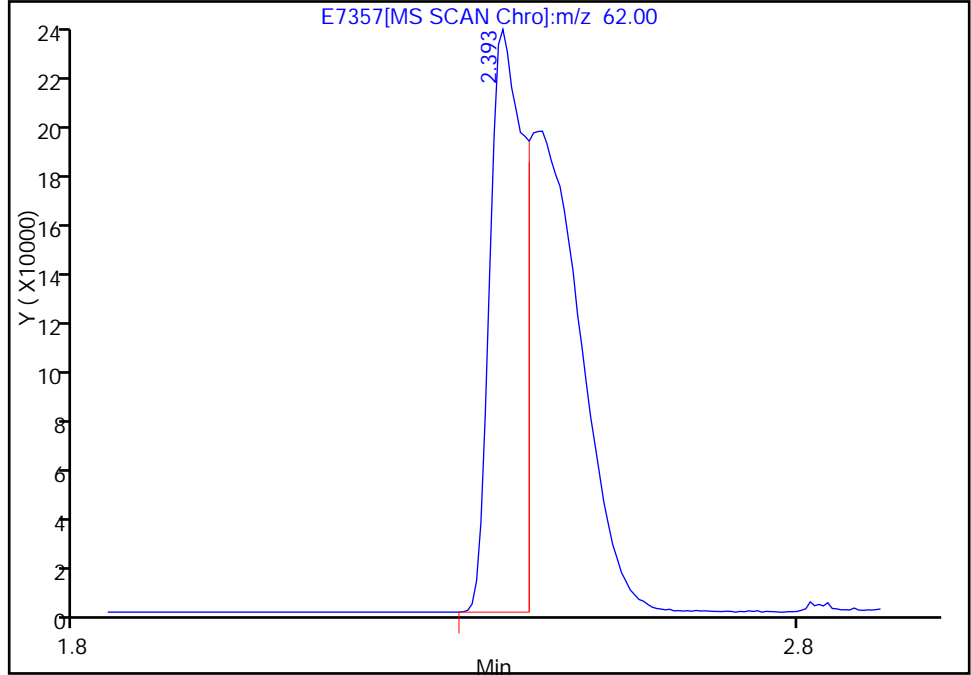
Reviewer: hallj, 28-Jan-2012 10:43:42  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7357.D  
Injection Date: 28-Jan-2012 09:45:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 8  
Operator ID: JLH

10 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 2.39

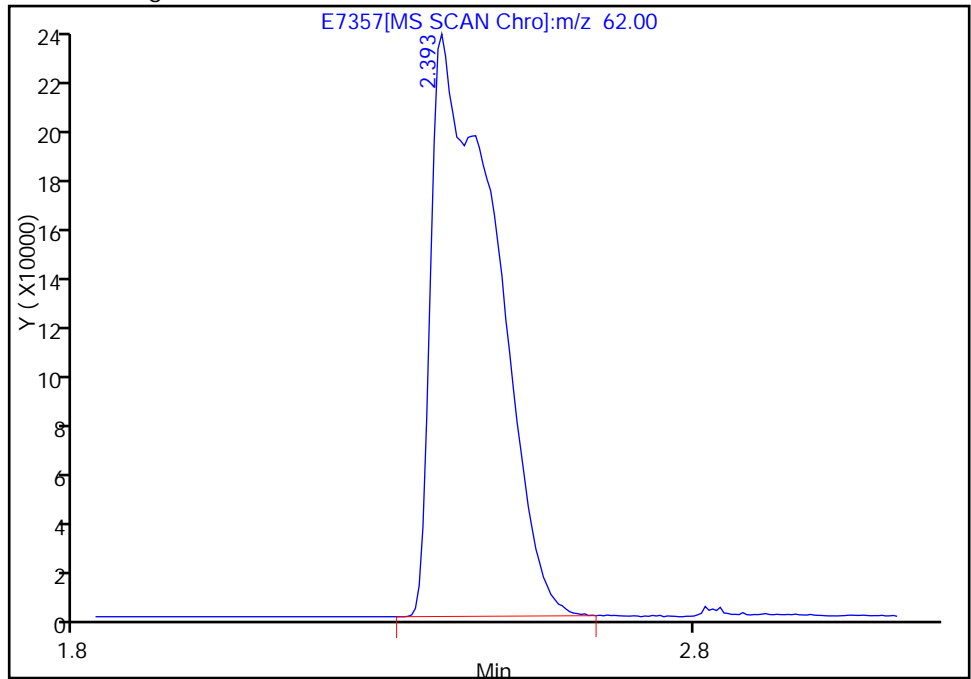
RT: 2.39  
Response: 792106  
Amount: 51.427529

Processing Integration Results



RT: 2.39  
Response: 1699866  
Amount: 100.4928

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 10:43:42  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
 Lims ID: STD150 Client ID:  
 Inject. Date: 28-Jan-2012 10:20:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: STD150  
 Misc. Info.: 510-0006241-009 =510-0006241-009  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 7  
 Lims Batch ID: 93020 Lims Sample ID: 9  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 11:16:18 Calib Date: 28-Jan-2012 10:20:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 11:16:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.895	6.904	-0.009	97	1462835	50.0	
* 2 Chlorobenzene-d5	117	10.648	10.645	0.003	88	1146586	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.921	13.921	0.0	25	704830	50.0	M
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.518	6.520	-0.002	0	424574	49.5	
\$ 6 Toluene-d8 (Surr)	98	8.775	8.783	-0.008	83	1459902	50.8	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.261	12.263	-0.002	86	725399	51.1	
8 Dichlorodifluoromethane	85	2.119	2.110	0.009	89	1769166	148.5	
9 Chloromethane	50	2.253	2.268	-0.015	87	1454270	140.0	
10 Vinyl chloride	62	2.454	2.454	0.0	82	2559263	158.5	M
11 Bromomethane	94	2.728	2.736	-0.008	90	189760	153.0	
12 Chloroethane	64	2.819	2.819	0.0	95	444215	65.8	M
13 Trichlorofluoromethane	101	3.093	3.150	-0.057	80	1694646	135.4	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.470	3.491	-0.021	81	1585889	135.5	
15 Acrolein	56	3.616	3.625	-0.009	93	156022	137.0	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.701	3.728	-0.027	67	861578	137.6	
16 1,1-Dichloroethene	96	3.701	3.734	-0.033	89	1101187	139.0	
18 Acetone	58	3.805	3.795	0.010	97	173551	154.4	
19 Iodomethane	142	3.878	3.898	-0.020	99	873333	134.8	
20 Carbon disulfide	76	3.951	3.977	-0.026	99	3194846	132.2	
21 Methyl acetate	43	4.139	4.142	-0.003	96	1311570	132.8	
22 Methylene Chloride	84	4.236	4.251	-0.015	83	1261953	139.6	
23 2-Methyl-2-propanol	59	4.535	4.397	0.138	40	702733	678.7	
24 Acrylonitrile	53	4.510	4.513	-0.003	55	443645	142.9	
25 trans-1,2-Dichloroethene	96	4.528	4.543	-0.015	94	1239854	137.7	
26 Methyl tert-butyl ether	73	4.553	4.555	-0.002	98	3034177	131.8	
27 Hexane	57	4.820	4.835	-0.015	94	2047449	133.2	
28 1,1-Dichloroethane	63	4.985	4.993	-0.008	84	2178868	136.2	
29 Vinyl acetate	43	5.039	5.042	-0.003	98	4633295	246.8	
30 Isopropyl ether	45	5.064	5.064	0.0	1	3371533	127.9	M
31 Tert-butyl ethyl ether	59	5.453	5.456	-0.003	87	2959333	136.3	

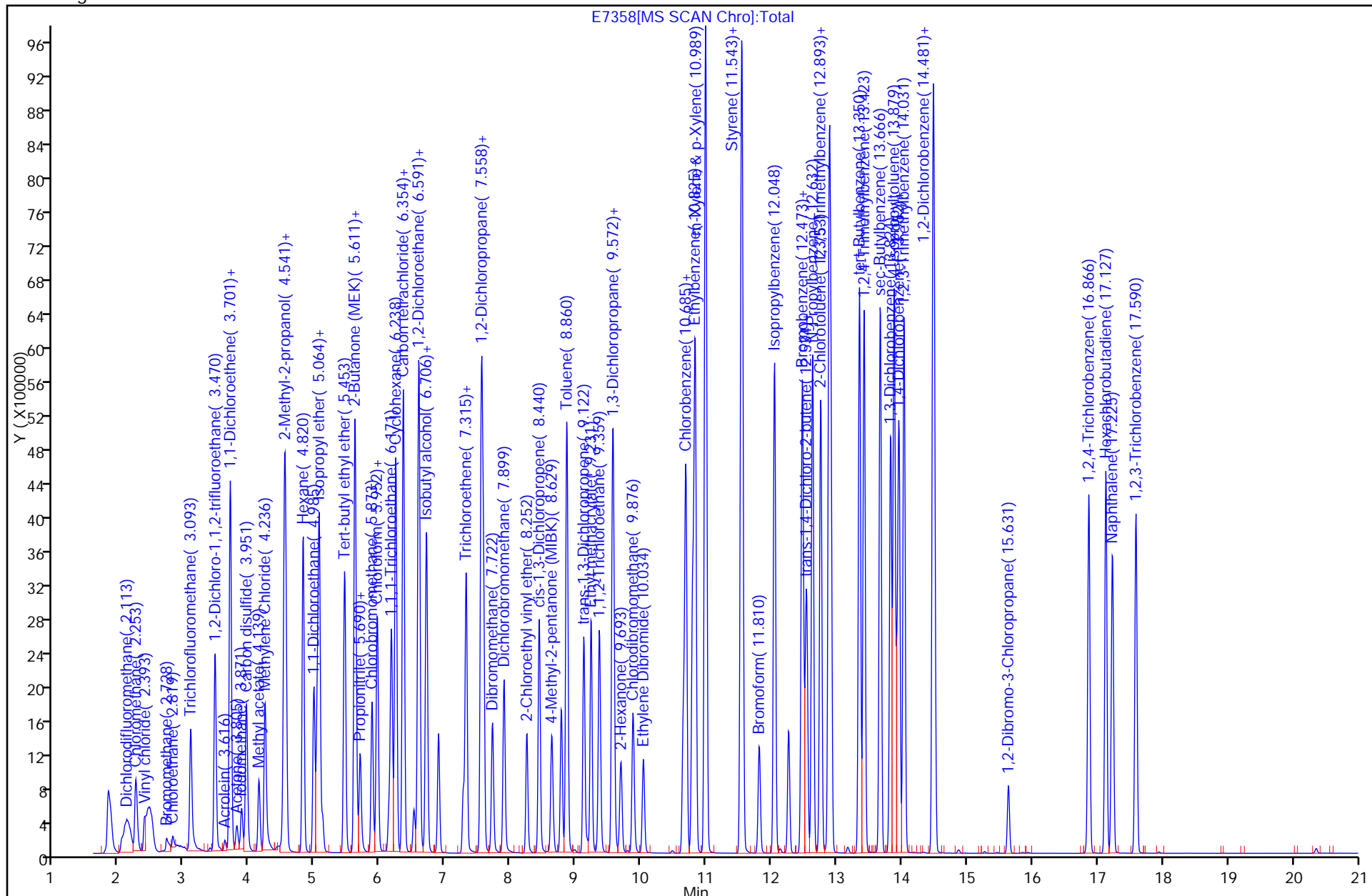
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.611	5.620	-0.009	86	1361688	136.7	
33 2,2-Dichloropropane	77	5.611	5.626	-0.015	75	1869453	143.4	
34 2-Butanone (MEK)	72	5.642	5.638	0.004	95	218390	143.2	
105 Ethyl acetate	43	5.690	5.693	-0.003	0	1543808	140.7	
93 Propionitrile	54	5.709	5.699	0.010	0	202820	144.1	
35 Chlorobromomethane	130	5.873	5.882	-0.009	93	793170	145.9	
95 Tetrahydrofuran	42	5.952	5.948	0.004	0	436880	129.1	
36 Chloroform	83	5.958	5.961	-0.003	69	2190699	136.5	
37 1,1,1-Trichloroethane	97	6.171	6.180	-0.009	90	1988033	140.8	
38 Cyclohexane	84	6.238	6.247	-0.009	89	2378022	140.5	
39 1,1-Dichloropropene	75	6.354	6.362	-0.008	91	2005745	141.0	
40 Carbon tetrachloride	117	6.360	6.368	-0.008	72	1677929	143.7	
41 Benzene	78	6.591	6.593	-0.002	93	4557357	148.5	
42 1,2-Dichloroethane	62	6.603	6.605	-0.002	57	1684531	139.5	
43 Isobutyl alcohol	41	6.706	6.706	0.0	90	489350	143.0	M
44 Tert-amyl methyl ether	73	6.706	6.709	-0.003	91	3162026	141.6	
102 n-Butanol	56	7.272	7.232	0.040	0	518315	1911.2	
45 Trichloroethene	132	7.321	7.323	-0.002	90	1296667	141.3	
46 Methylcyclohexane	83	7.552	7.554	-0.002	93	2619046	135.0	
47 1,2-Dichloropropane	63	7.582	7.582	0.0	0	1468634	146.6	M
48 Dibromomethane	93	7.722	7.725	-0.003	87	761491	149.0	
49 Dichlorobromomethane	83	7.899	7.901	-0.002	93	1742560	150.9	
50 2-Chloroethyl vinyl ether	63	8.252	8.248	0.004	92	791712	333.1	
54 cis-1,3-Dichloropropene	75	8.440	8.443	-0.003	92	2107925	155.8	
52 4-Methyl-2-pentanone (MIBK)	43	8.629	8.625	0.004	95	1273961	161.2	
53 Toluene	91	8.860	8.862	-0.002	89	4525060	148.6	
51 trans-1,3-Dichloropropene	75	9.122	9.124	-0.002	89	1900994	162.6	
55 Ethyl methacrylate	69	9.231	9.234	-0.003	92	1997042	156.9	
56 1,1,2-Trichloroethane	83	9.359	9.361	-0.002	93	997488	149.9	
57 Tetrachloroethene	164	9.560	9.562	-0.002	87	1086090	141.7	
58 1,3-Dichloropropane	76	9.578	9.580	-0.002	90	2103865	144.2	
59 2-Hexanone	43	9.693	9.678	0.015	92	1016322	167.2	
60 Chlorodibromomethane	129	9.876	9.878	-0.002	88	1203247	164.0	
61 Ethylene Dibromide	107	10.034	10.037	-0.003	99	1059114	153.8	
62 Chlorobenzene	112	10.685	10.687	-0.002	91	3163141	128.3	
63 1,1,1,2-Tetrachloroethane	131	10.788	10.791	-0.003	86	1274492	150.2	
64 Ethylbenzene	91	10.831	10.827	0.004	92	5021202	117.5	
65 m-Xylene & p-Xylene	91	10.989	10.992	-0.003	0	6624593	207.5	
66 o-Xylene	91	11.537	11.533	0.004	82	4389840	128.3	
67 Styrene	104	11.555	11.551	0.004	82	3602065	134.7	
68 Bromoform	173	11.810	11.807	0.003	98	841590	170.1	
69 Isopropylbenzene	105	12.048	12.044	0.004	91	4664689	128.6	
71 1,1,2,2-Tetrachloroethane	83	12.461	12.458	0.003	88	1607429	140.7	
70 Bromobenzene	156	12.480	12.476	0.004	92	1551975	142.4	
72 1,2,3-Trichloropropane	75	12.534	12.534	0.0	7	2090583	149.6	M
73 trans-1,4-Dichloro-2-butene	53	12.546	12.546	0.0	1	452226	156.8	M
74 N-Propylbenzene	91	12.632	12.632	0.0	91	5573050	154.3	M
75 2-Chlorotoluene	91	12.753	12.753	0.0	95	3915894	123.5	M
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	85	4362216	123.1	M
77 4-Chlorotoluene	91	12.905	12.902	0.003	94	4625106	124.2	
78 tert-Butylbenzene	119	13.350	13.346	0.004	87	4028662	133.0	
80 1,2,4-Trimethylbenzene	105	13.423	13.419	0.003	61	4490930	123.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.666	13.668	-0.002	93	5274901	118.4	
82 1,3-Dichlorobenzene	146	13.830	13.830	0.0	85	2666605	130.7	M
79 4-Isopropyltoluene	119	13.879	13.875	0.004	80	4539844	123.0	
83 1,4-Dichlorobenzene	146	13.958	13.954	0.004	81	2685153	128.9	
99 1,2,3-Trimethylbenzene	105	14.031	14.031	0.0	0	4510885	121.7	M
84 n-Butylbenzene	91	14.475	14.477	-0.002	87	4439332	123.2	
85 1,2-Dichlorobenzene	146	14.499	14.496	0.003	88	2467028	129.1	
86 1,2-Dibromo-3-Chloropropane	157	15.637	15.633	0.004	65	311457	162.2	
87 1,2,4-Trichlorobenzene	180	16.866	16.868	-0.002	93	1855272	148.2	
88 Hexachlorobutadiene	225	17.127	17.124	0.003	96	1259397	140.3	
89 Naphthalene	128	17.231	17.227	0.004	96	3702979	133.3	
90 1,2,3-Trichlorobenzene	180	17.590	17.586	0.004	92	1786093	141.2	
S 92 Total 1,2-dichloroethene	100				0		274.4	
S 91 Xylenes, Total	100				0		335.8	

## QC Flag Legend

## Review Flags

M - Manually Integrated



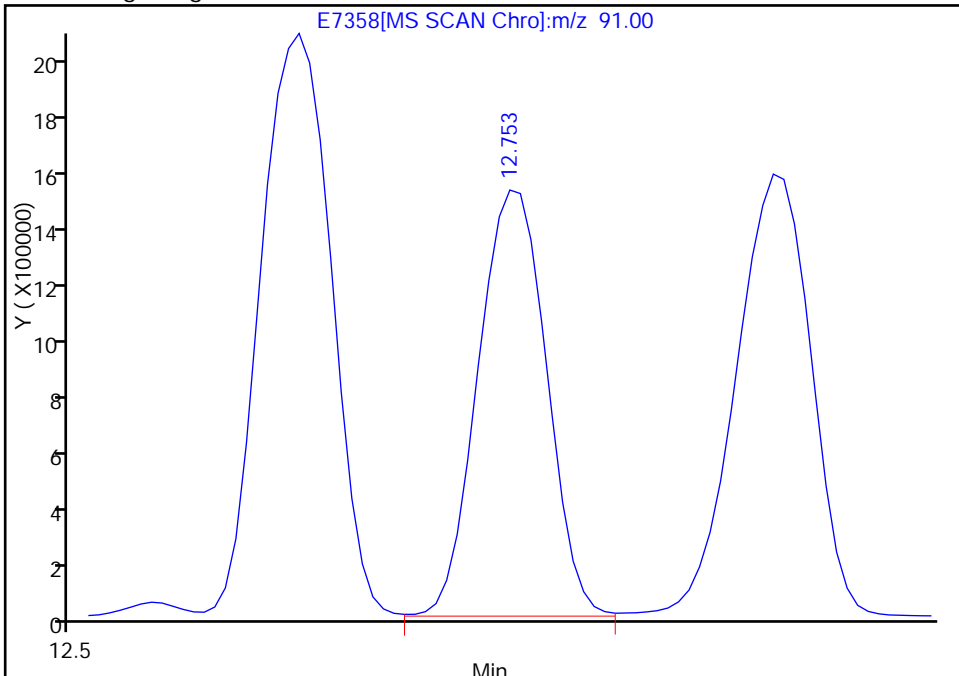


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

74 N-Propylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.63

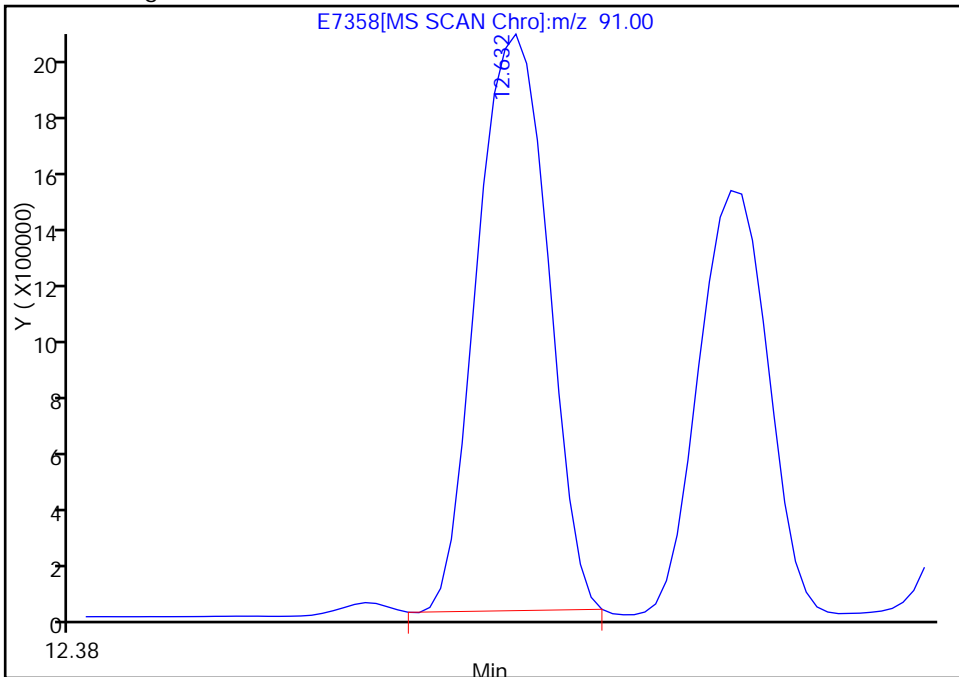
RT: 12.75  
Response: 4068214  
Amount: 104.6680

Processing Integration Results



RT: 12.63  
Response: 5573050  
Amount: 154.3483

Manual Integration Results



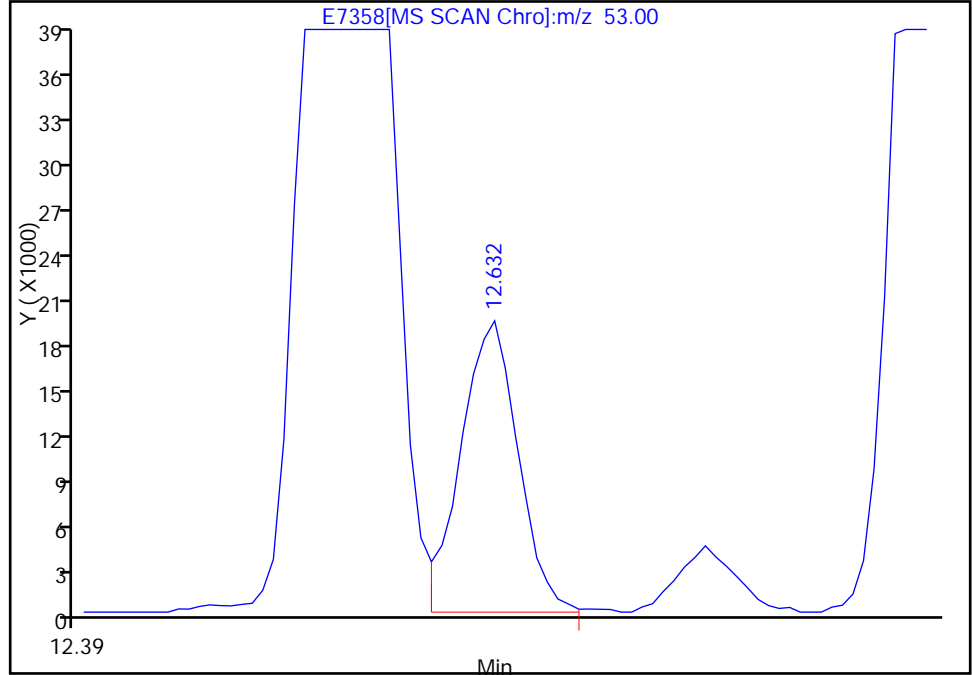
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

73 trans-1,4-Dichloro-2-butene, Signal: 1, m/z: 53.0 Type: quant, RT: 12.55

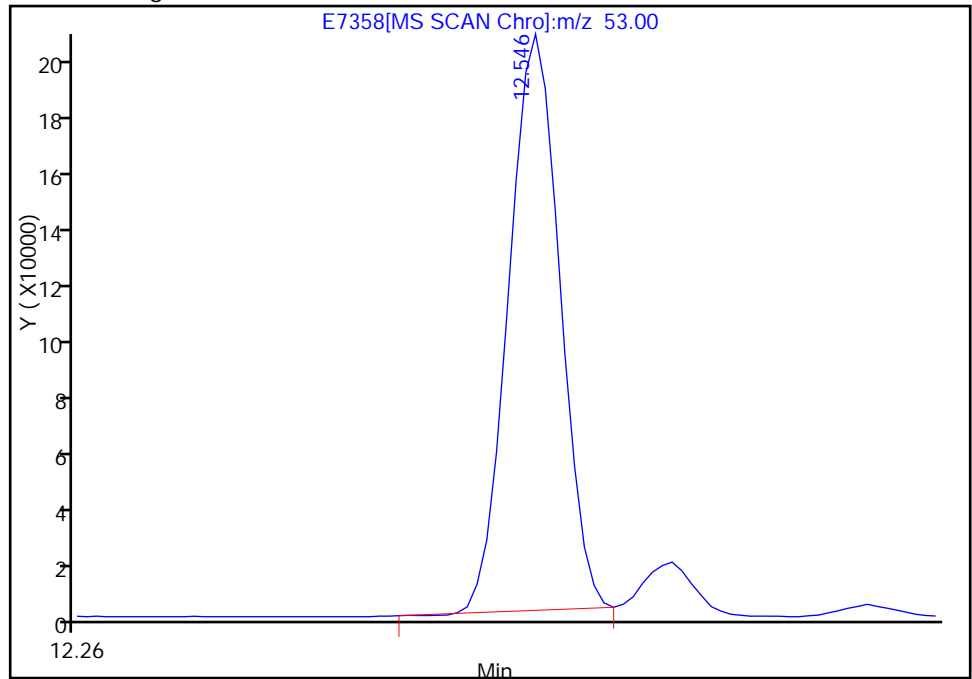
RT: 12.63  
Response: 44652  
Amount: 17.886947

Processing Integration Results



RT: 12.55  
Response: 452226  
Amount: 156.7773

Manual Integration Results



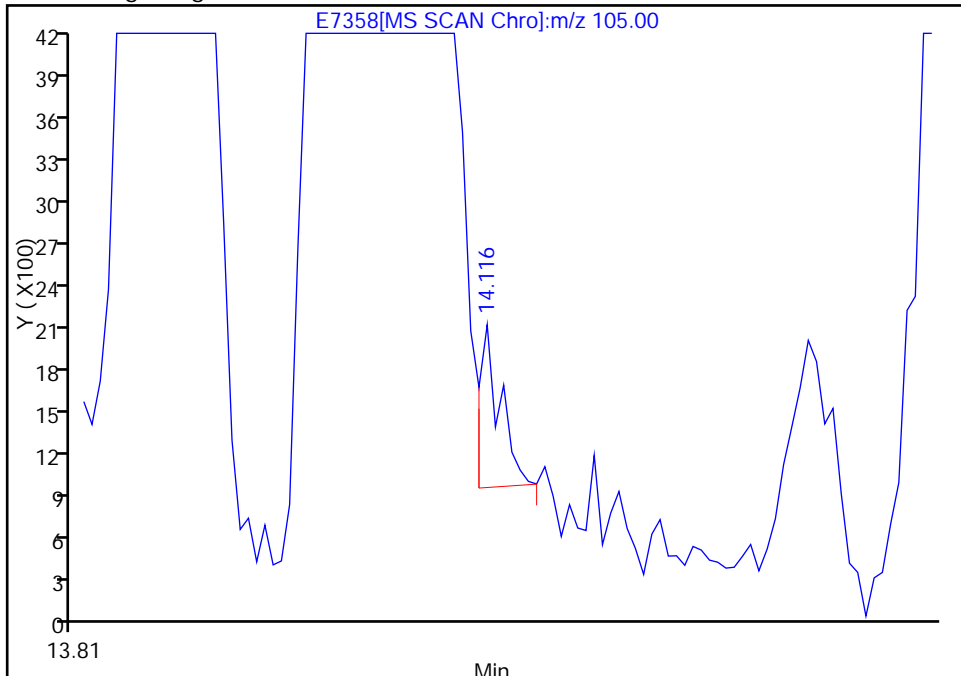
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

99 1,2,3-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 14.03

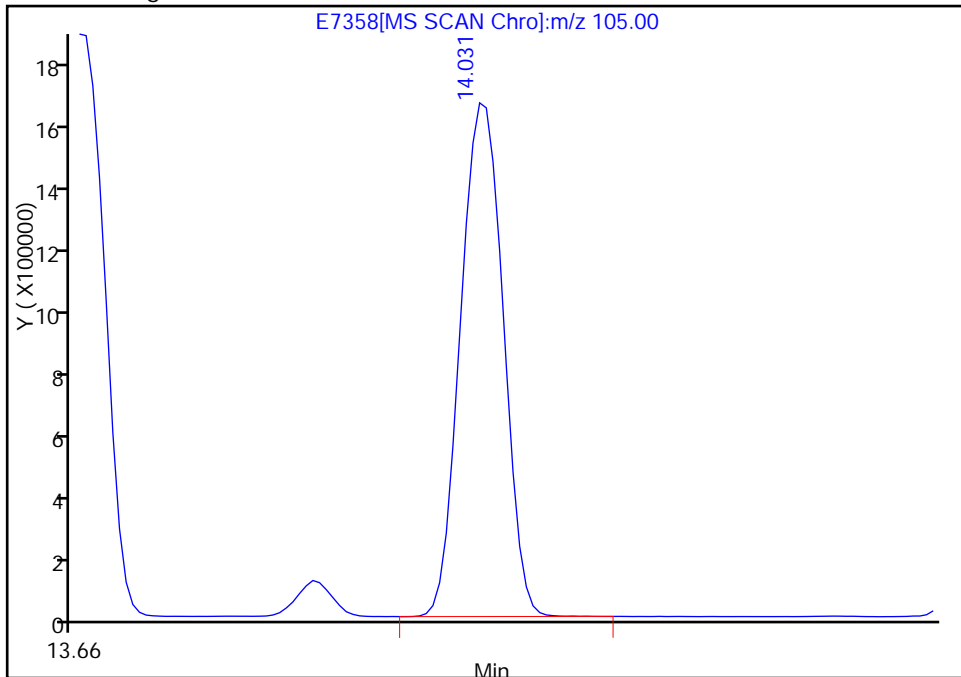
RT: 14.12  
Response: 1247  
Amount: 0.038049

Processing Integration Results



RT: 14.03  
Response: 4510885  
Amount: 121.6910

Manual Integration Results



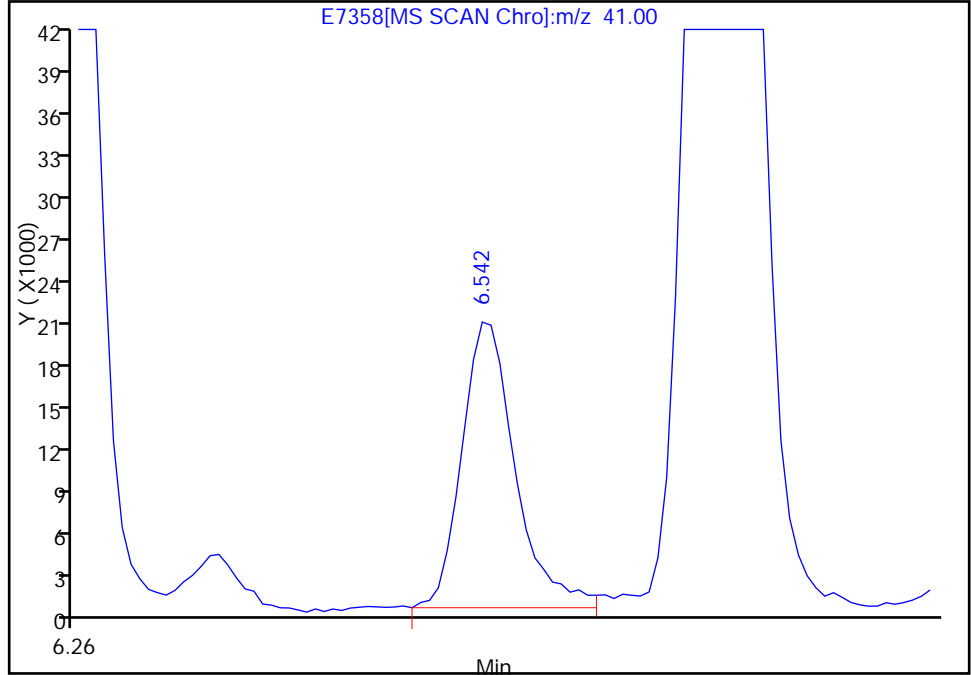
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

43 Isobutyl alcohol, Signal: 1, m/z: 41.0 Type: quant, RT: 6.71

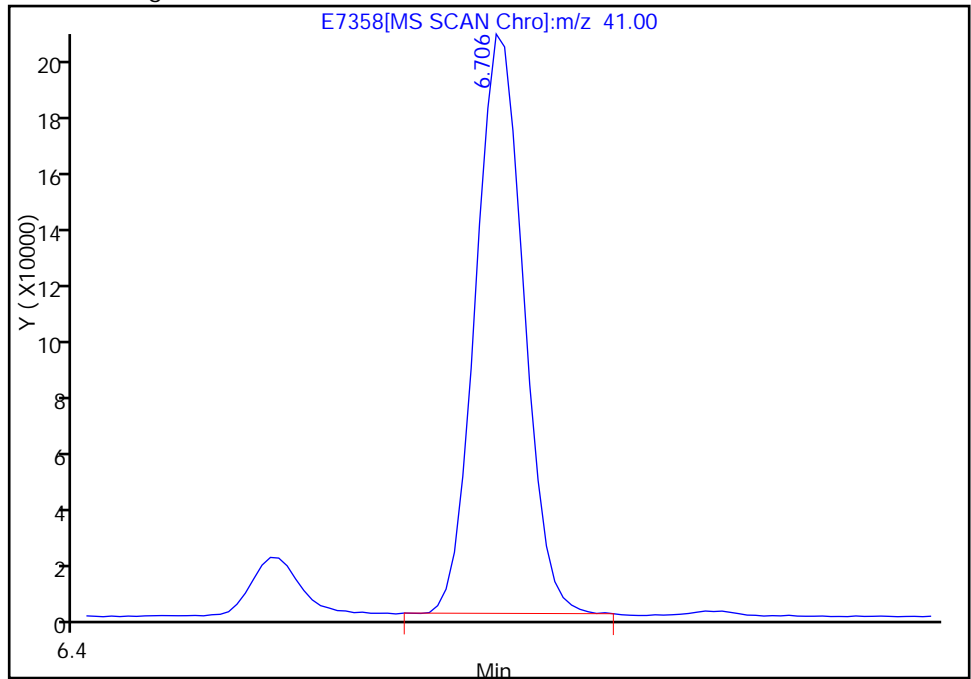
RT: 6.54  
Response: 52468  
Amount: 17.457391

Processing Integration Results



RT: 6.71  
Response: 489350  
Amount: 143.0193

Manual Integration Results



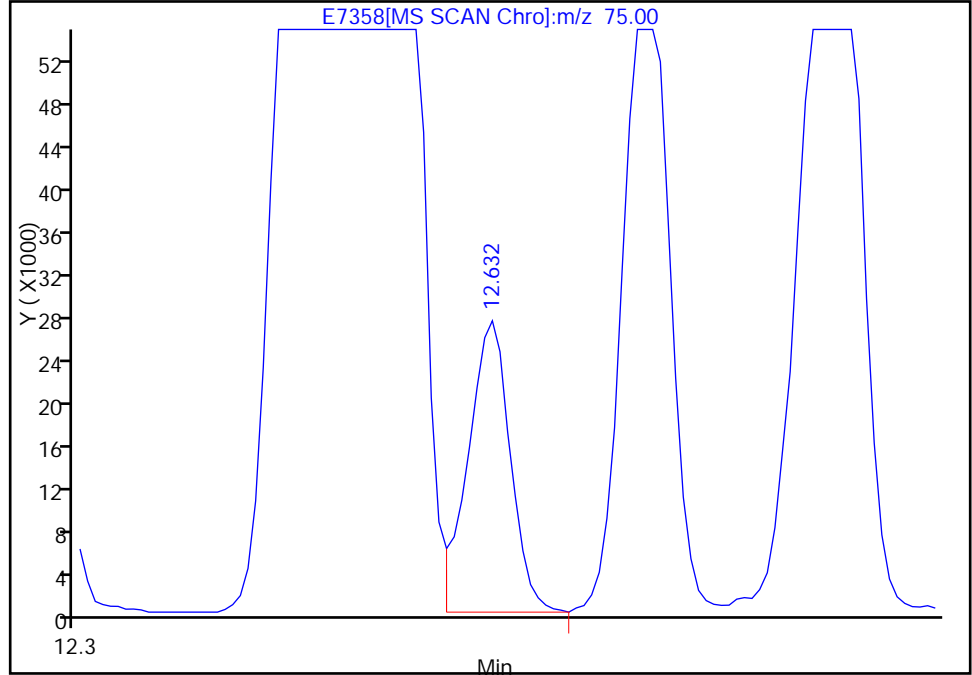
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

72 1,2,3-Trichloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 12.53

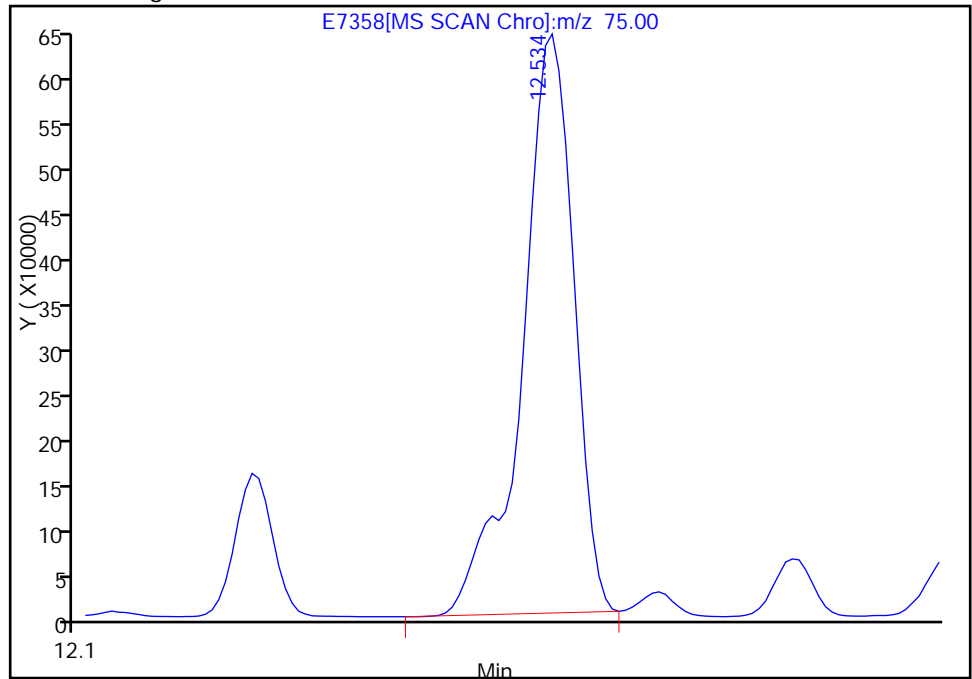
RT: 12.63  
Response: 64693  
Amount: 5.371912

Processing Integration Results



RT: 12.53  
Response: 2090583  
Amount: 149.6240

Manual Integration Results



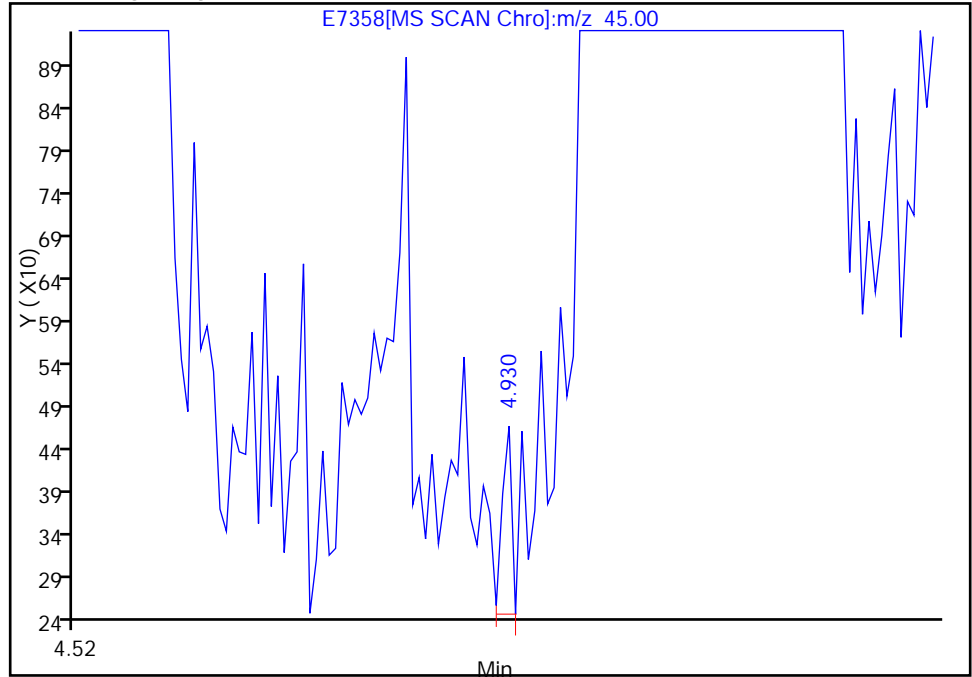
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.06

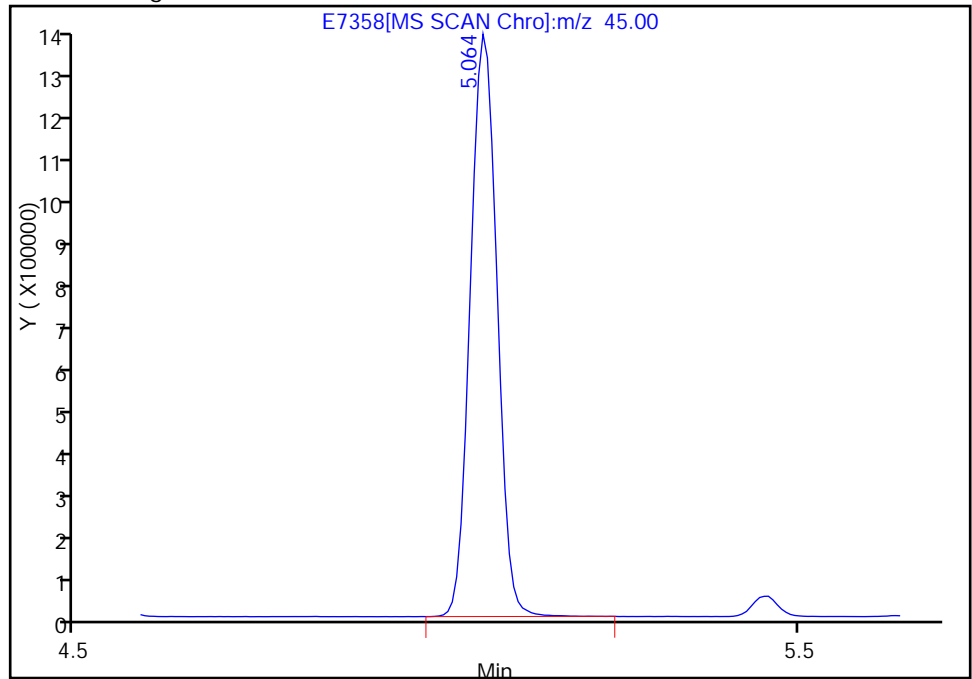
RT: 4.93  
Response: 135  
Amount: 0.005832

Processing Integration Results



RT: 5.06  
Response: 3371533  
Amount: 127.9152

Manual Integration Results



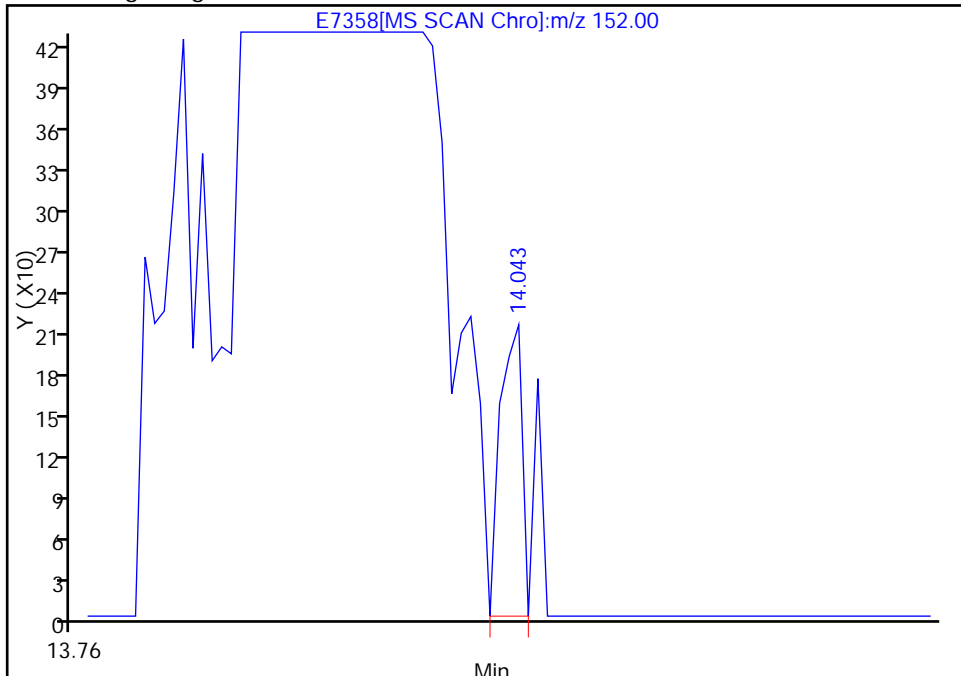
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

\* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

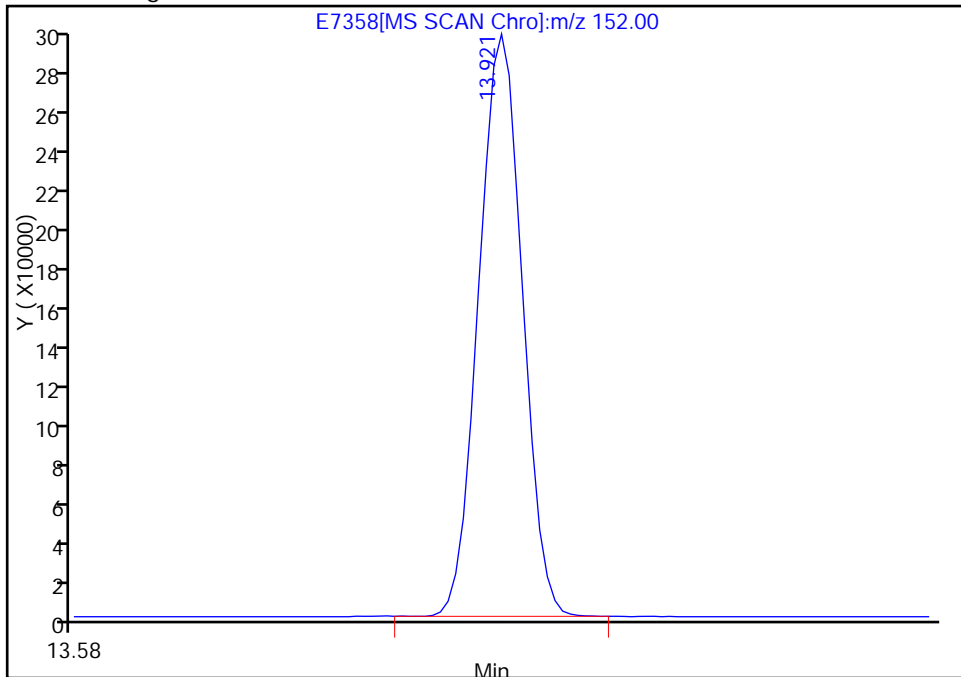
RT: 14.04  
Response: 202  
Amount: 50.000000

Processing Integration Results



RT: 13.92  
Response: 704830  
Amount: 50.000000

Manual Integration Results



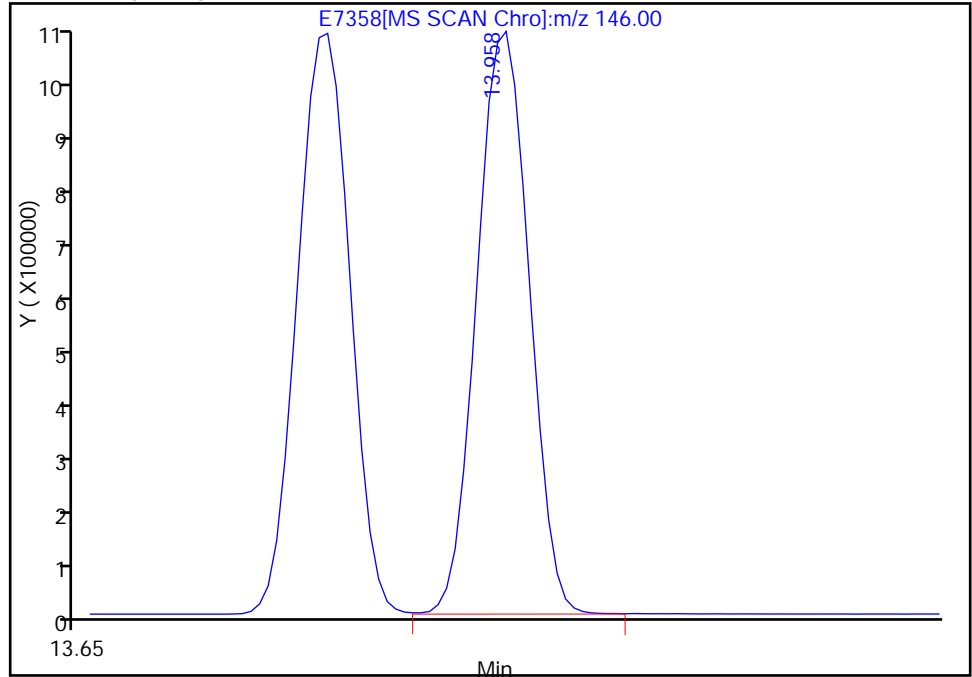
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

82 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.83

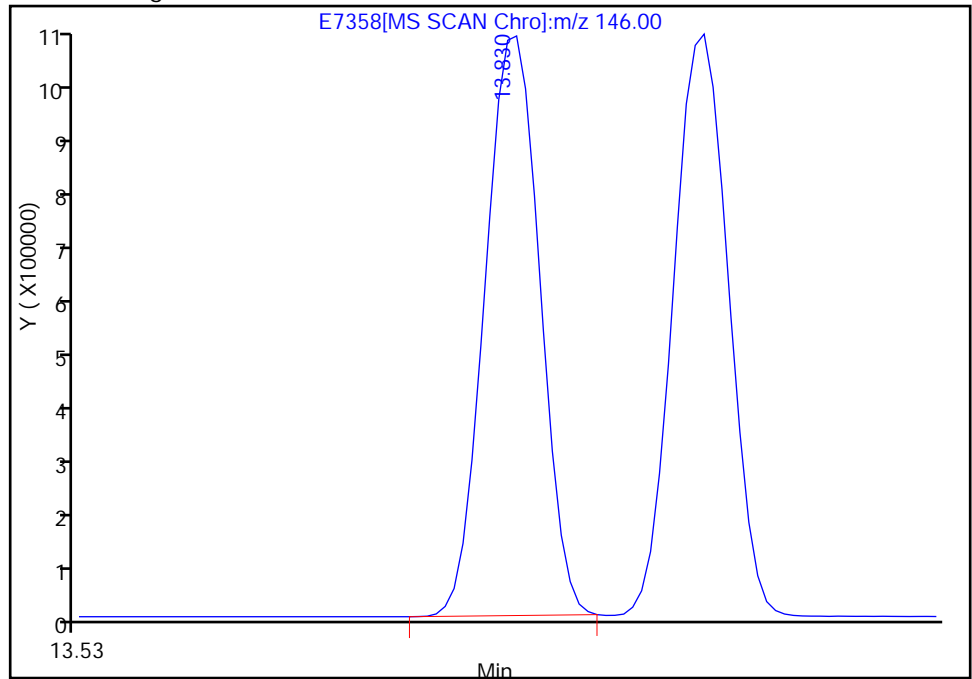
RT: 13.96  
Response: 2685153  
Amount: 131.4531

Processing Integration Results



RT: 13.83  
Response: 2666605  
Amount: 130.6581

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

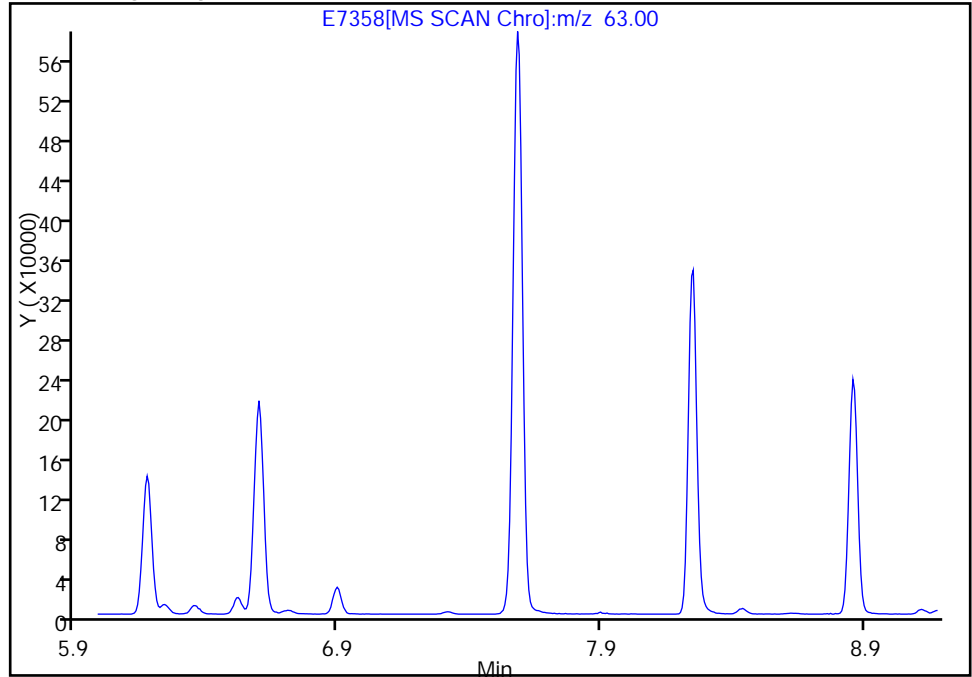


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.58

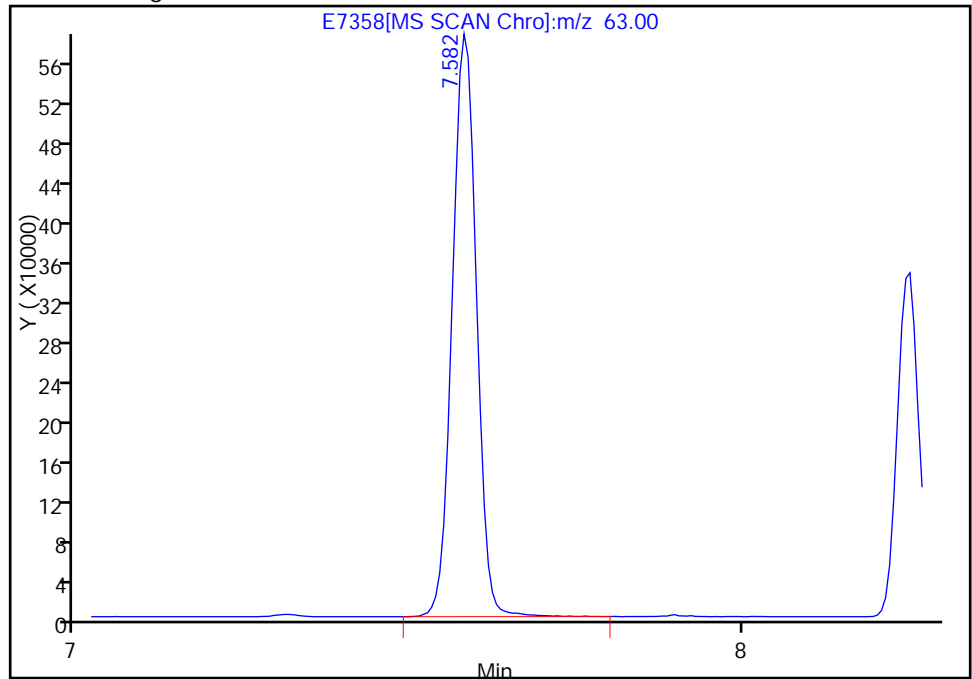
Not Detected  
Expected RT: 7.58

Processing Integration Results



RT: 7.58  
Response: 1468634  
Amount: 146.5610

Manual Integration Results



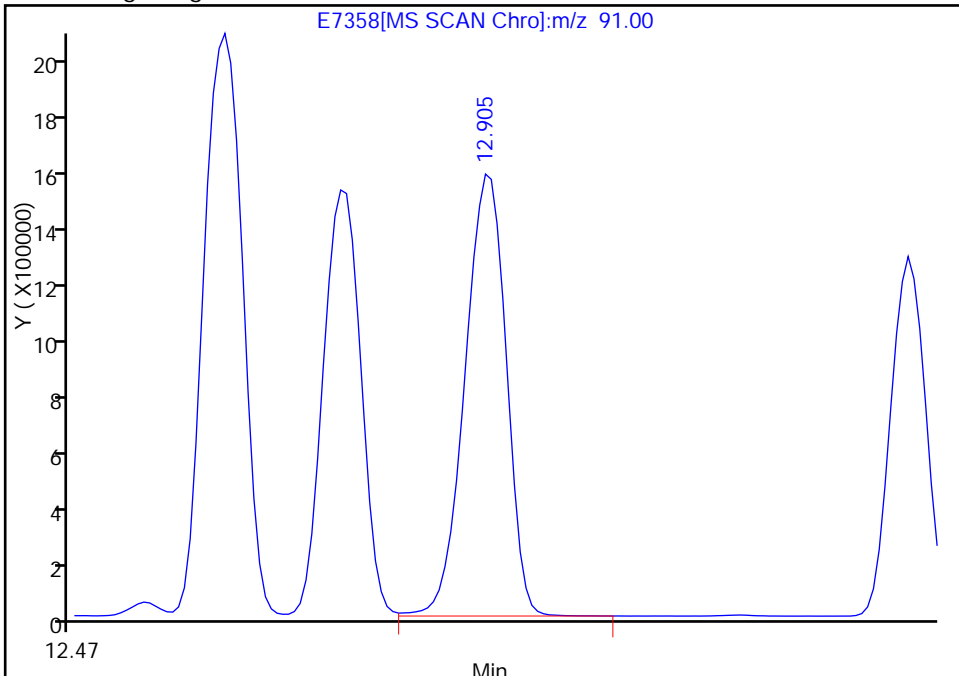
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

75 2-Chlorotoluene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.75

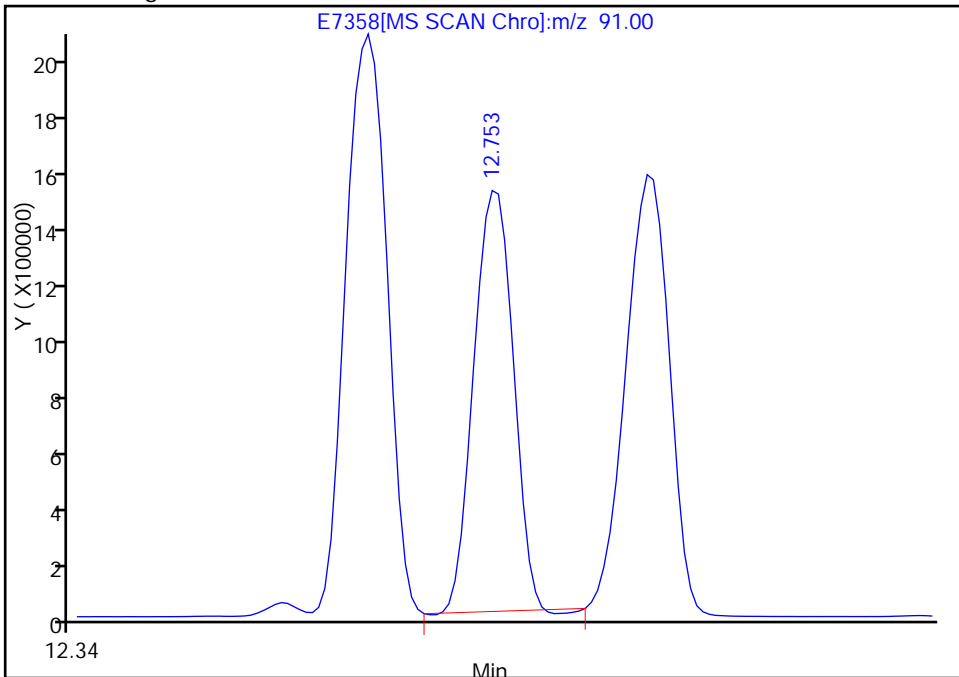
RT: 12.91  
Response: 4624911  
Amount: 142.8550

Processing Integration Results



RT: 12.75  
Response: 3915894  
Amount: 123.5313

Manual Integration Results



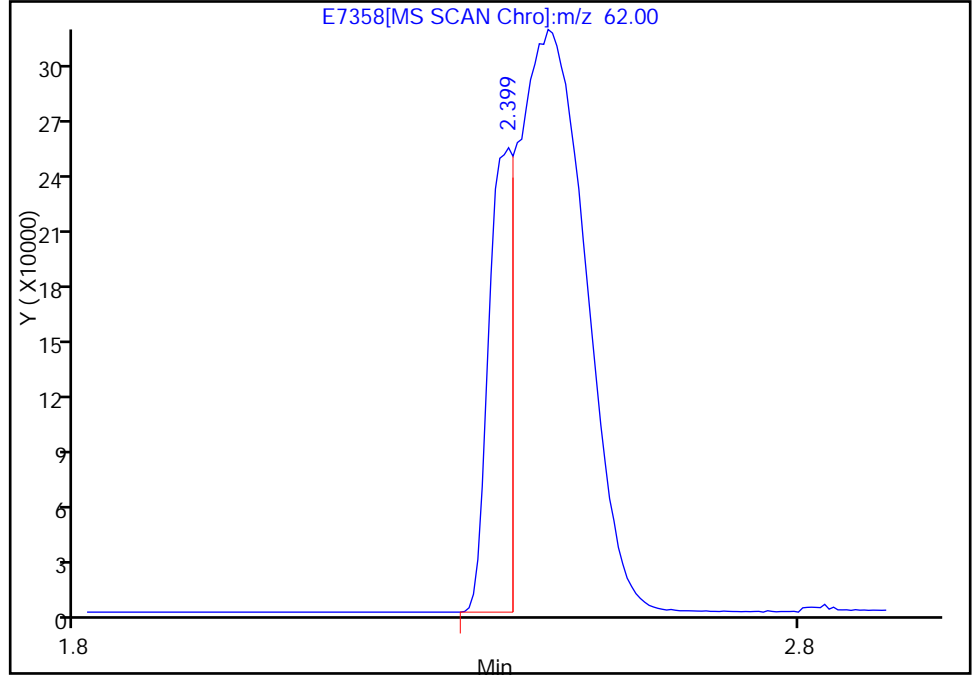
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

10 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 2.45

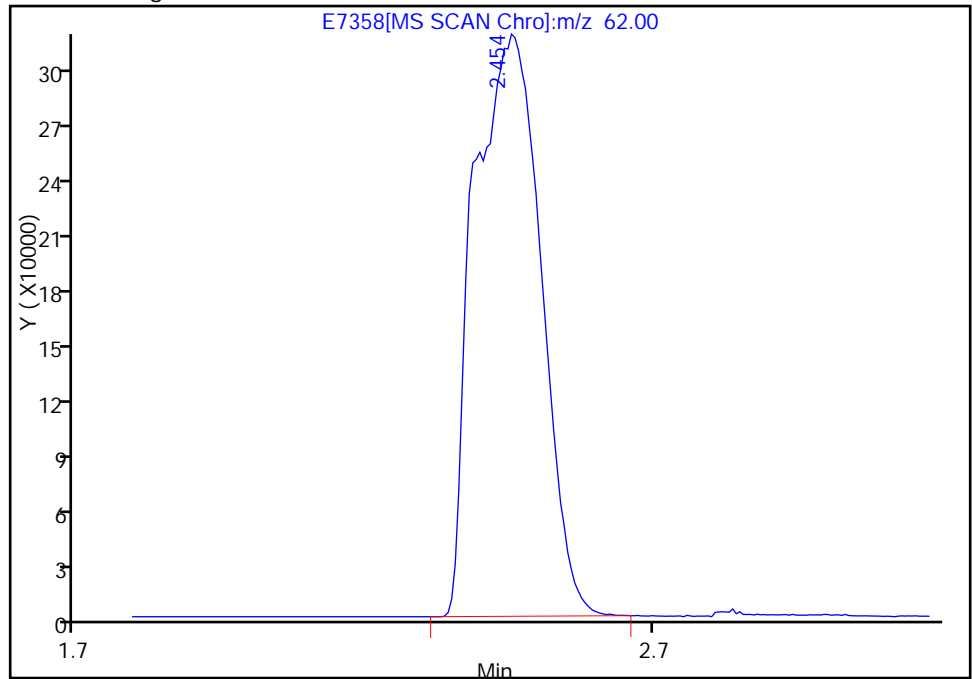
RT: 2.40  
Response: 603398  
Amount: 42.235660

Processing Integration Results



RT: 2.45  
Response: 2559263  
Amount: 158.4763

Manual Integration Results



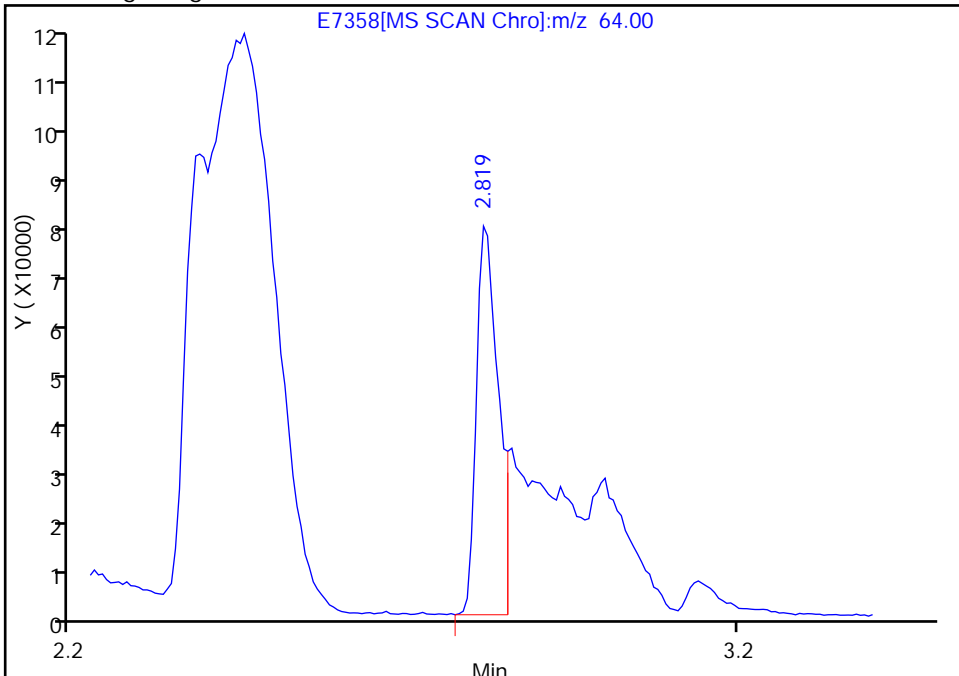
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.82

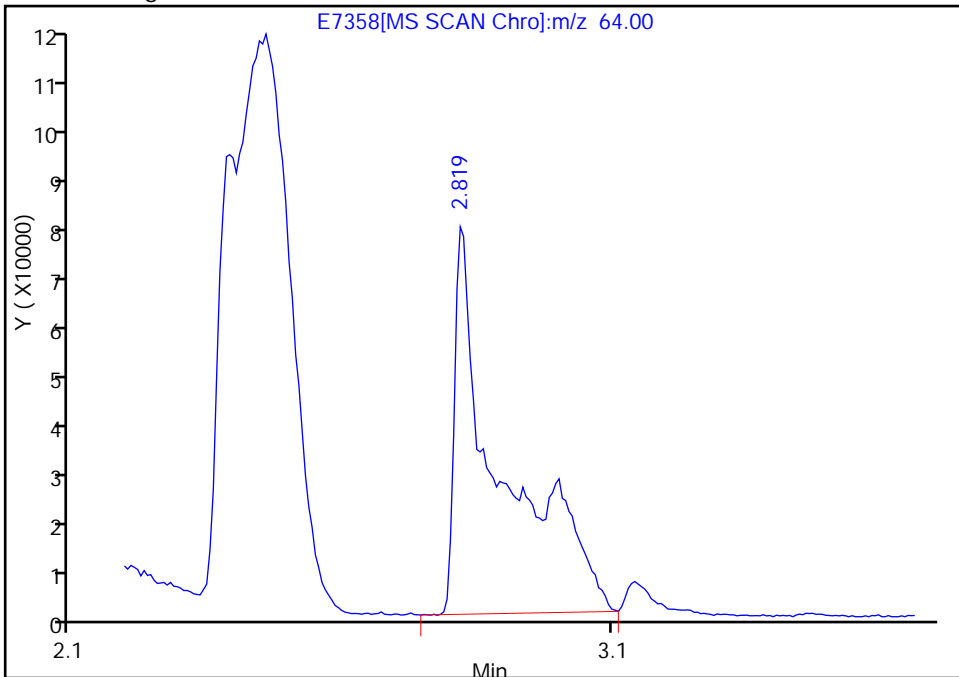
RT: 2.82  
Response: 175869  
Amount: 27.064927

Processing Integration Results



RT: 2.82  
Response: 444215  
Amount: 65.774468

Manual Integration Results



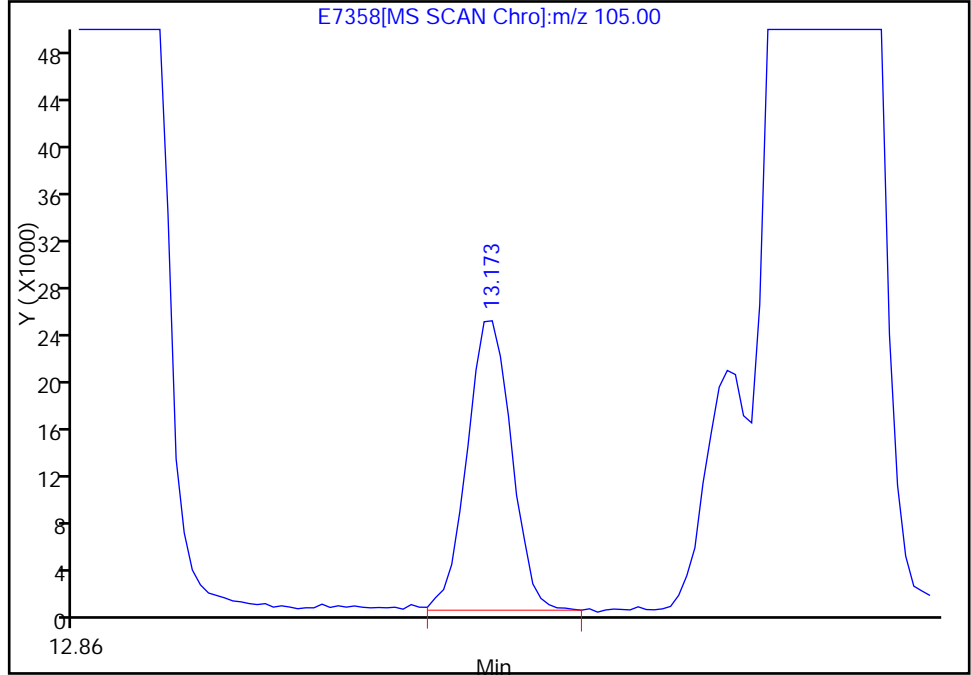
Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7358.D  
Injection Date: 28-Jan-2012 10:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 9  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

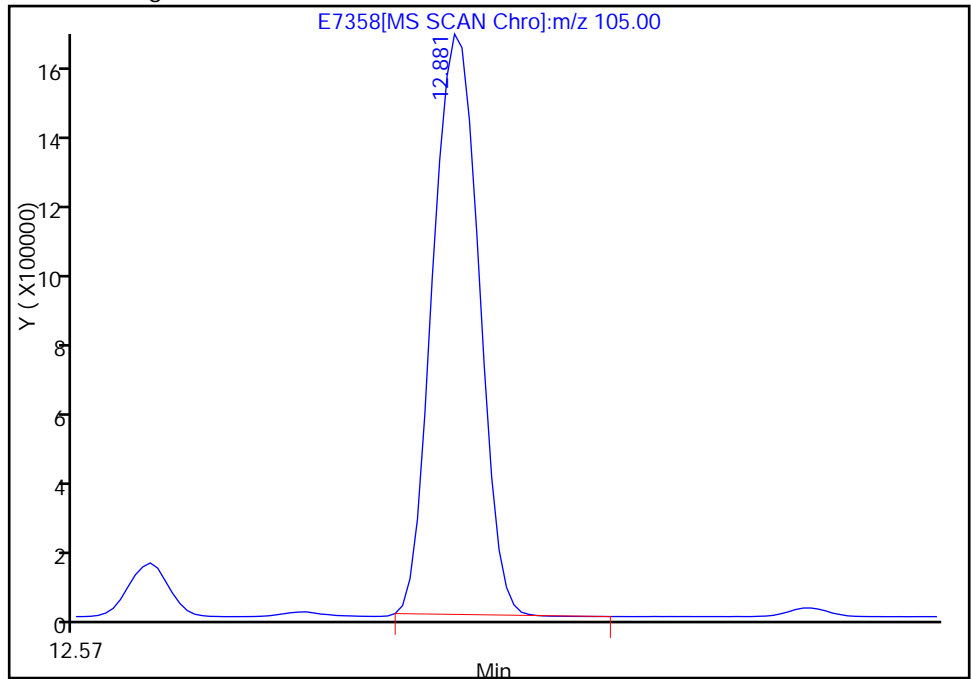
RT: 13.17  
Response: 57570  
Amount: 1.836908

Processing Integration Results



RT: 12.88  
Response: 4362216  
Amount: 123.0861

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 11:16:18  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Lims ID: STD200 Client ID:  
 Inject. Date: 28-Jan-2012 10:54:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 8  
 Sample ID: STD200  
 Misc. Info.: 510-0006241-010 =510-0006241-010  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 8  
 Lims Batch ID: 93020 Lims Sample ID: 10  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 12:24:19 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 12:24:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.892	6.904	-0.012	97	1494796	50.0	
* 2 Chlorobenzene-d5	117	10.645	10.645	0.0	88	1167136	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.924	13.924	0.0	0	718699	50.0	M
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.515	6.520	-0.005	0	439875	50.1	
\$ 6 Toluene-d8 (Surr)	98	8.778	8.783	-0.005	92	1482128	50.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	86	737214	50.8	
8 Dichlorodifluoromethane	85	2.141	2.110	0.031	89	2403233	197.8	
9 Chloromethane	50	2.256	2.268	-0.012	87	1983488	188.4	
10 Vinyl chloride	62	2.481	2.454	0.027	82	3483902	209.7	
11 Bromomethane	94	2.725	2.725	0.0	90	216157	180.3	M
12 Chloroethane	64	2.822	2.822	0.0	95	491511	59.4	M
13 Trichlorofluoromethane	101	3.071	3.071	0.0	78	1114444	87.1	M
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.455	3.491	-0.036	84	2119536	179.7	
15 Acrolein	56	3.619	3.625	-0.006	89	224288	193.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.686	3.728	-0.042	71	1151051	182.2	
16 1,1-Dichloroethene	96	3.686	3.734	-0.048	89	1401056	176.0	
18 Acetone	58	3.807	3.795	0.012	96	261562	222.7	
19 Iodomethane	142	3.862	3.898	-0.036	99	933647	146.5	
20 Carbon disulfide	76	3.935	3.977	-0.042	99	3940587	163.7	
21 Methyl acetate	43	4.142	4.142	0.0	96	1848351	185.1	
22 Methylene Chloride	84	4.227	4.251	-0.024	84	1660979	182.1	
23 2-Methyl-2-propanol	59	4.617	4.617	0.0	0	965923	897.1	M
24 Acrylonitrile	53	4.513	4.513	0.0	39	608848	192.9	
25 trans-1,2-Dichloroethene	96	4.525	4.543	-0.018	93	1567447	173.5	
26 Methyl tert-butyl ether	73	4.550	4.555	-0.005	92	3865361	168.0	
27 Hexane	57	4.811	4.835	-0.024	95	2565532	167.2	
28 1,1-Dichloroethane	63	4.982	4.993	-0.011	83	2744497	171.3	
29 Vinyl acetate	43	5.036	5.042	-0.006	97	5871274	315.3	
30 Isopropyl ether	45	5.067	5.067	0.0	22	4146205	158.5	M
31 Tert-butyl ethyl ether	59	5.456	5.456	0.0	86	3725114	171.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.608	5.620	-0.012	85	1717050	172.1	
33 2,2-Dichloropropane	77	5.614	5.626	-0.012	77	2365754	180.1	
34 2-Butanone (MEK)	72	5.645	5.638	0.007	95	315363	202.1	
105 Ethyl acetate	43	5.693	5.693	0.0	0	2097805	188.6	
93 Propionitrile	54	5.712	5.699	0.013	0	271881	190.7	
35 Chlorobromomethane	130	5.876	5.882	-0.006	92	914994	168.4	
95 Tetrahydrofuran	42	5.955	5.948	0.007	0	625876	183.5	
36 Chloroform	83	5.955	5.961	-0.006	69	2687053	167.6	
37 1,1,1-Trichloroethane	97	6.168	6.180	-0.012	90	2497332	176.0	
38 Cyclohexane	84	6.235	6.247	-0.012	89	2958106	174.1	
39 1,1-Dichloropropene	75	6.350	6.362	-0.012	89	2492504	174.6	
40 Carbon tetrachloride	117	6.356	6.368	-0.012	71	2093214	178.1	
41 Benzene	78	6.588	6.593	-0.005	92	5380084	197.9	
42 1,2-Dichloroethane	62	6.600	6.605	-0.005	66	2158605	177.7	
43 Isobutyl alcohol	41	6.709	6.706	0.003	46	654084	188.6	
44 Tert-amyl methyl ether	73	6.709	6.709	0.0	89	4015944	178.7	
102 n-Butanol	56	7.305	7.305	0.0	0	754443	2643.9	M
45 Trichloroethene	132	7.318	7.323	-0.005	89	1607031	174.5	
46 Methylcyclohexane	83	7.549	7.554	-0.005	93	3237124	167.2	
47 1,2-Dichloropropane	63	7.585	7.585	0.0	0	1879036	185.4	M
48 Dibromomethane	93	7.719	7.725	-0.006	89	995345	191.7	
49 Dichlorobromomethane	83	7.902	7.901	0.001	96	2209079	188.7	
50 2-Chloroethyl vinyl ether	63	8.248	8.248	0.0	92	1164166	467.8	
54 cis-1,3-Dichloropropene	75	8.437	8.443	-0.006	90	2663923	193.5	
52 4-Methyl-2-pentanone (MIBK)	43	8.638	8.625	0.013	95	1792541	219.0	
53 Toluene	91	8.863	8.862	0.001	90	5353052	197.8	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	89	2426349	202.7	
55 Ethyl methacrylate	69	9.234	9.234	0.0	91	2595589	199.6	
56 1,1,2-Trichloroethane	83	9.362	9.361	0.001	88	1299069	192.1	
57 Tetrachloroethene	164	9.562	9.562	0.0	87	1351894	175.6	
58 1,3-Dichloropropane	76	9.581	9.580	0.001	90	2667471	181.3	
59 2-Hexanone	43	9.702	9.678	0.024	94	1464266	230.6	
60 Chlorodibromomethane	129	9.879	9.878	0.001	86	1555738	206.6	
61 Ethylene Dibromide	107	10.037	10.037	0.0	99	1390554	197.9	
62 Chlorobenzene	112	10.688	10.687	0.001	90	3842589	157.8	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	86	1605662	187.5	
64 Ethylbenzene	91	10.828	10.827	0.001	90	5877383	198.8	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	7503483	400.6	
66 o-Xylene	91	11.533	11.533	0.0	82	5179889	153.7	
67 Styrene	104	11.558	11.551	0.007	81	4295738	162.1	
68 Bromoform	173	11.819	11.807	0.012	98	1129739	221.0	
69 Isopropylbenzene	105	12.051	12.044	0.007	89	5450912	152.6	
71 1,1,2,2-Tetrachloroethane	83	12.470	12.458	0.012	80	2124060	184.4	
70 Bromobenzene	156	12.483	12.476	0.006	93	1926078	176.3	
72 1,2,3-Trichloropropane	75	12.537	12.534	0.003	37	2647970	187.5	
73 trans-1,4-Dichloro-2-butene	53	12.549	12.546	0.003	45	648085	217.6	
74 N-Propylbenzene	91	12.629	12.632	-0.004	86	6603773	203.3	
75 2-Chlorotoluene	91	12.756	12.753	0.003	91	4839071	154.6	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	34	5161911	148.1	M
77 4-Chlorotoluene	91	12.908	12.902	0.006	94	5533228	198.1	
78 tert-Butylbenzene	119	13.352	13.346	0.006	86	4815490	160.3	
80 1,2,4-Trimethylbenzene	105	13.419	13.419	0.0	39	5295637	197.9	

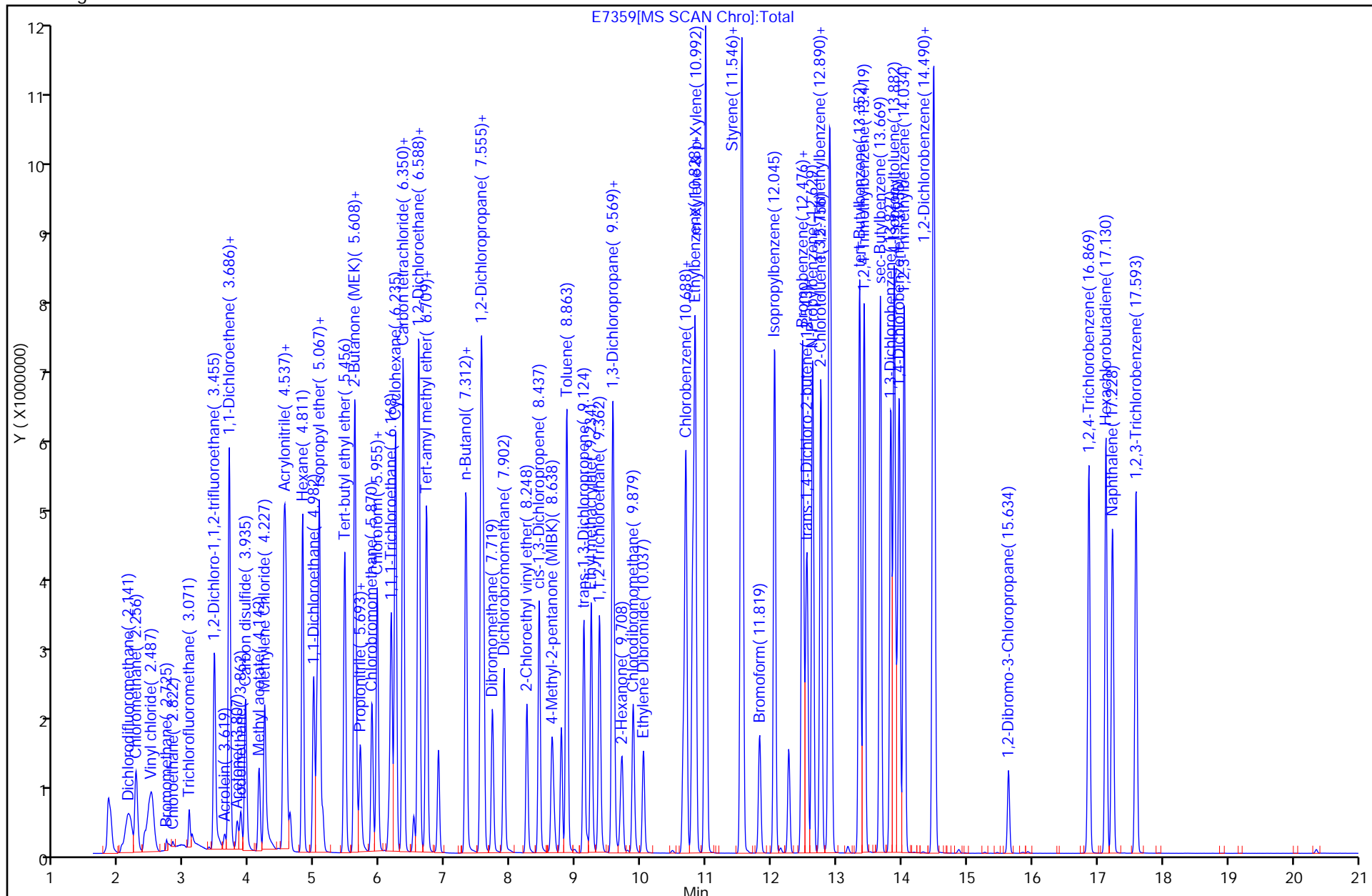
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.669	13.668	0.001	91	6131929	198.8	
82 1,3-Dichlorobenzene	146	13.833	13.830	0.003	89	3292576	162.5	
79 4-Isopropyltoluene	119	13.882	13.875	0.007	78	5324123	198.1	
83 1,4-Dichlorobenzene	146	13.961	13.954	0.007	79	3285496	159.2	
99 1,2,3-Trimethylbenzene	105	14.034	14.031	0.003	0	5352429	141.6	
84 n-Butylbenzene	91	14.478	14.477	0.001	85	5253230	148.2	
85 1,2-Dichlorobenzene	146	14.502	14.496	0.006	86	3034669	160.2	
86 1,2-Dibromo-3-Chloropropane	157	15.634	15.633	0.001	62	445525	223.7	
87 1,2,4-Trichlorobenzene	180	16.869	16.868	0.001	91	2319073	183.8	
88 Hexachlorobutadiene	225	17.130	17.124	0.006	95	1605545	178.2	
89 Naphthalene	128	17.228	17.227	0.001	94	4640088	167.5	
90 1,2,3-Trichlorobenzene	180	17.593	17.586	0.007	92	2227663	175.7	
S 92 Total 1,2-dichloroethene	100				0		345.6	
S 91 Xylenes, Total	100				0		554.3	

## QC Flag Legend

## Review Flags

M - Manually Integrated





Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D

Injection Date: 28-Jan-2012 10:54:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSA

Lims Batch ID: 93020

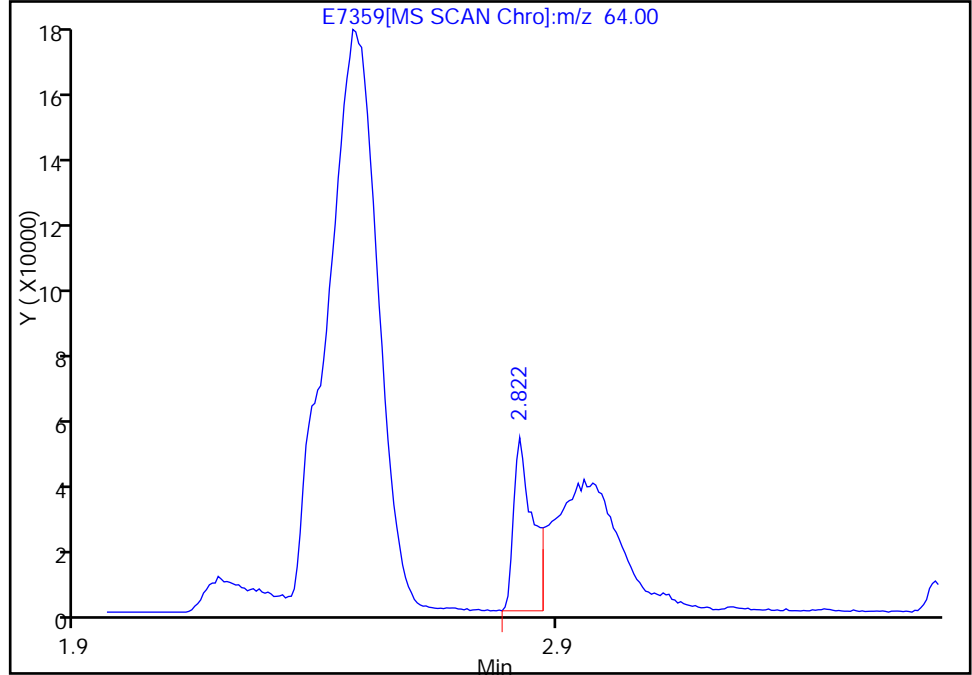
Lims Sample ID: 10

Operator ID: JLH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.82

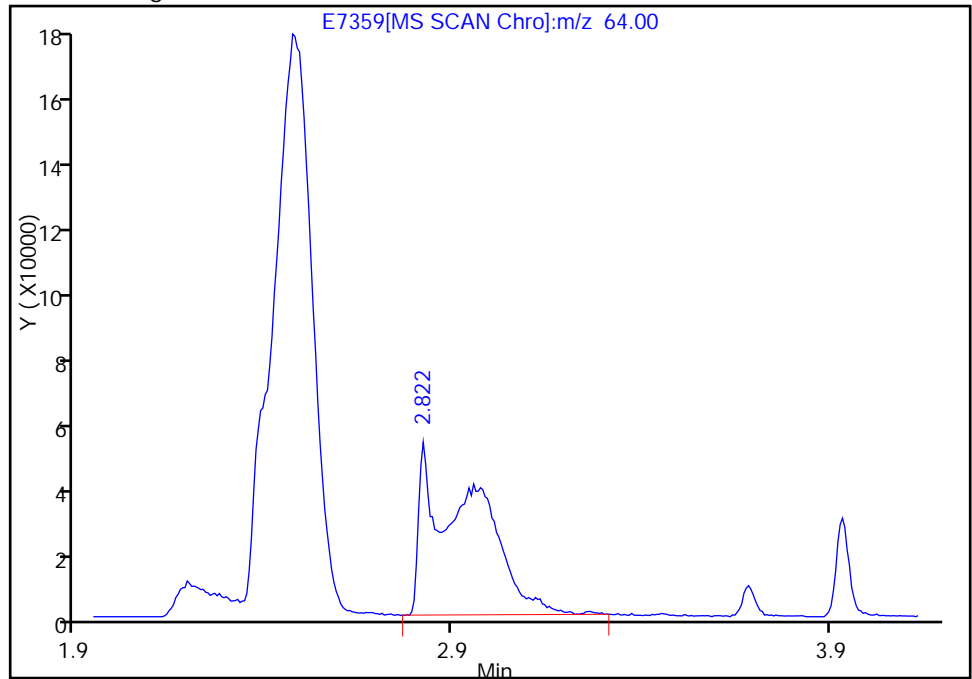
RT: 2.82  
Response: 140106  
Amount: 22.870393

Processing Integration Results



RT: 2.82  
Response: 491511  
Amount: 59.406064

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 12:24:19

Audit Action: Manually Integrated

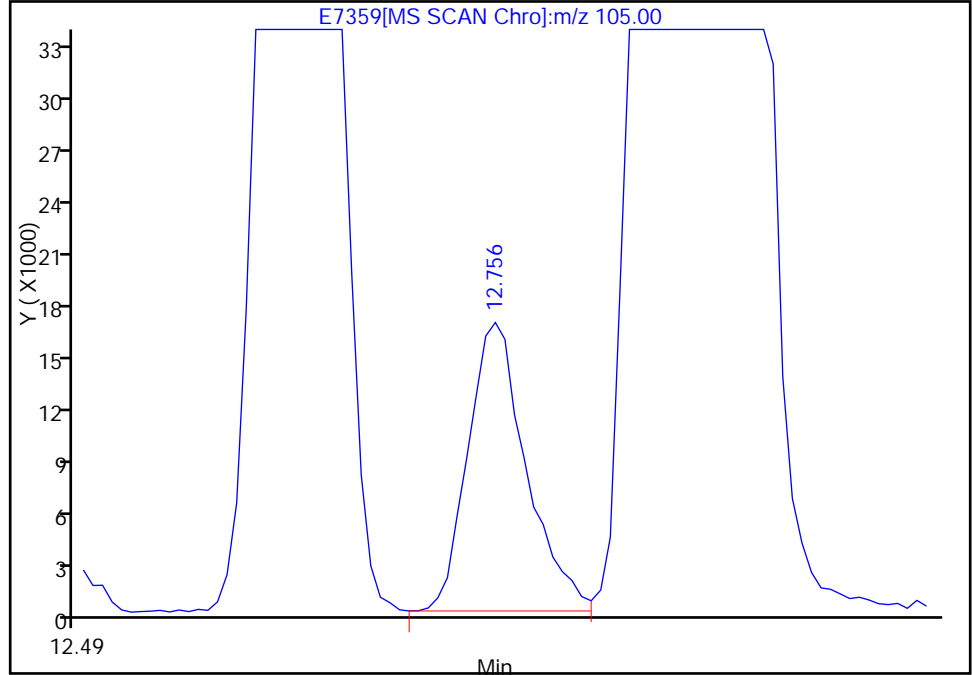
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

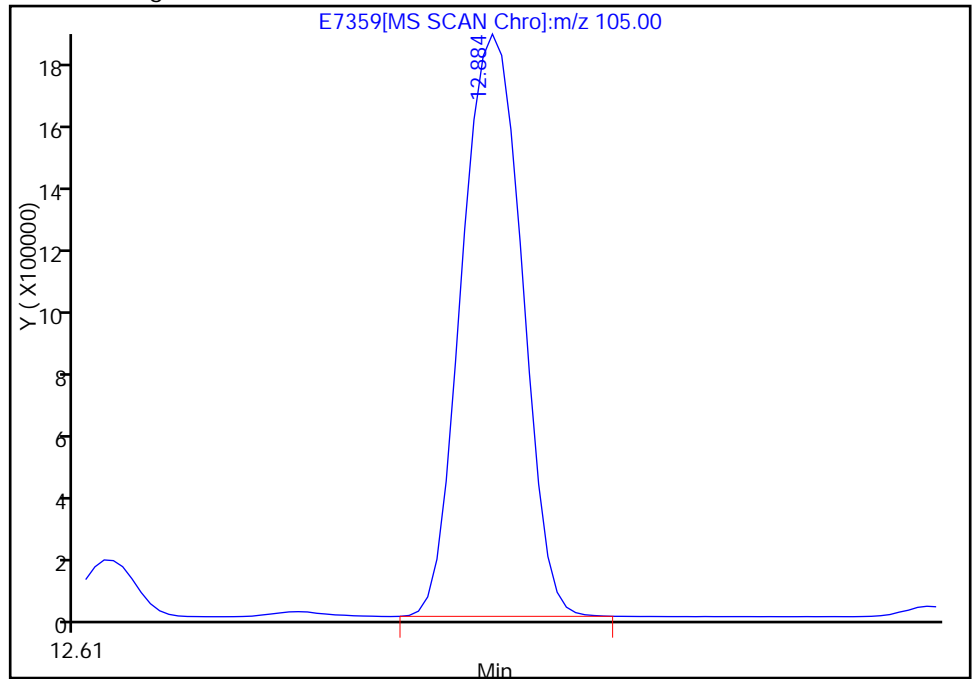
RT: 12.76  
Response: 41888  
Amount: 1.323614

Processing Integration Results



RT: 12.88  
Response: 5161911  
Amount: 148.1319

Manual Integration Results



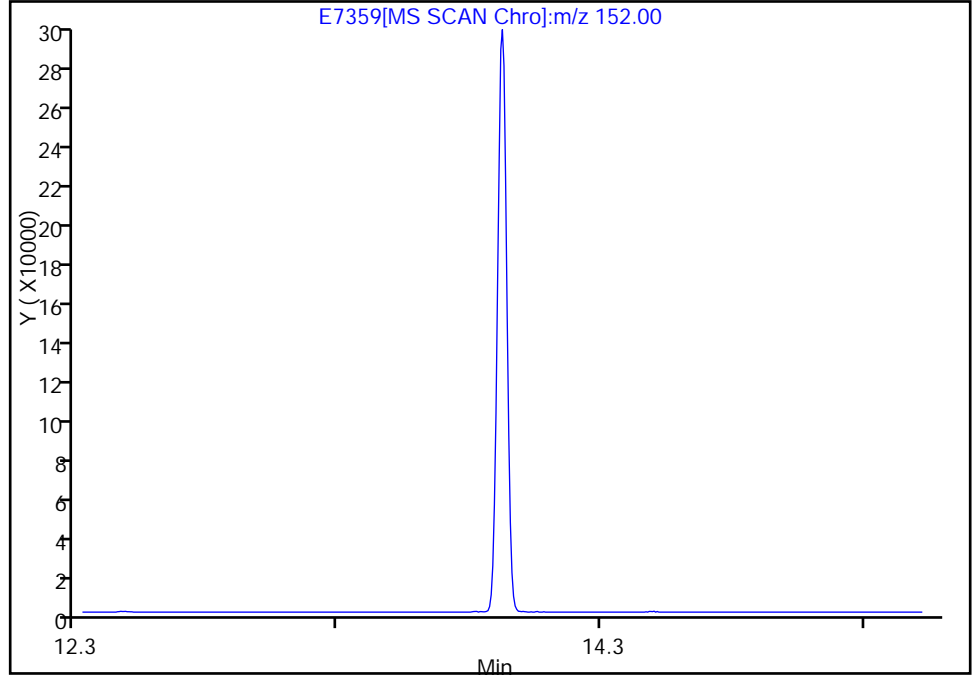
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

\* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

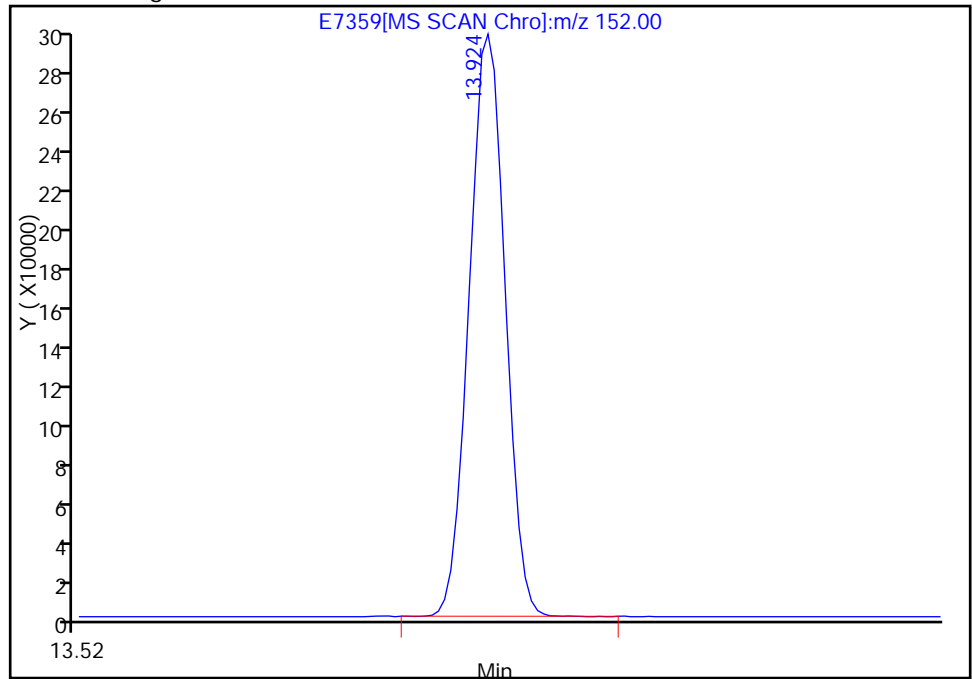
Not Detected  
Expected RT: 13.92

Processing Integration Results



RT: 13.92  
Response: 718699  
Amount: 50.000000

Manual Integration Results



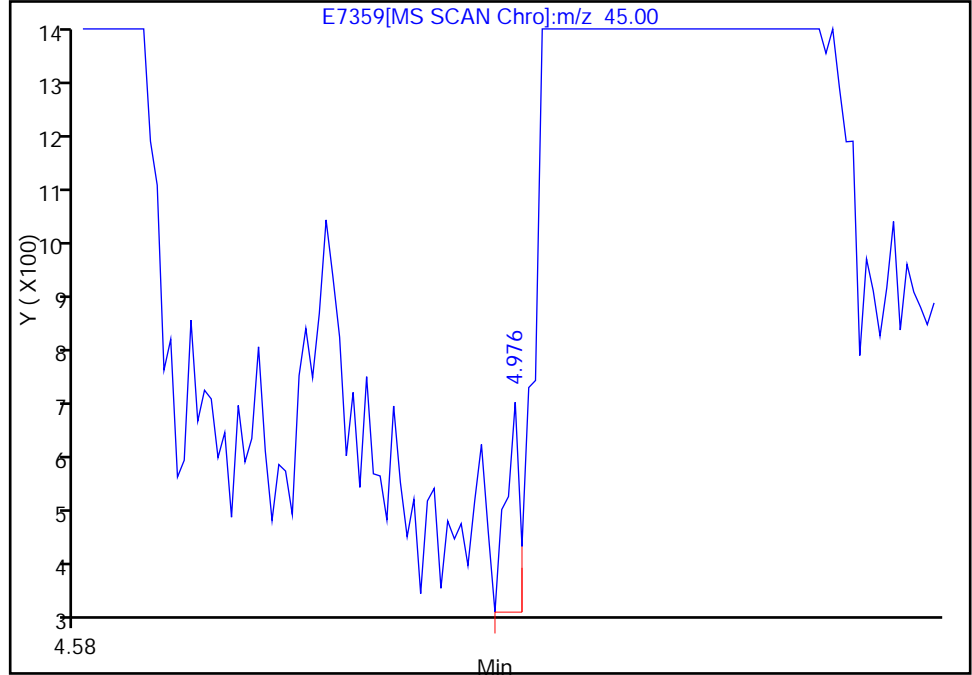
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

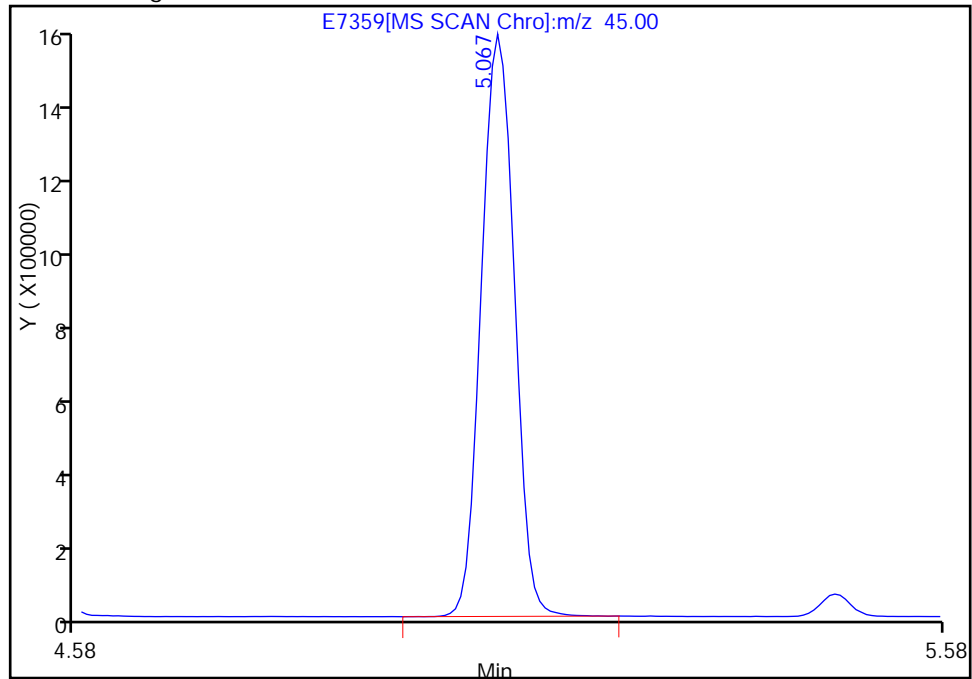
RT: 4.98  
Response: 332  
Amount: 0.014088

Processing Integration Results



RT: 5.07  
Response: 4146205  
Amount: 158.5053

Manual Integration Results



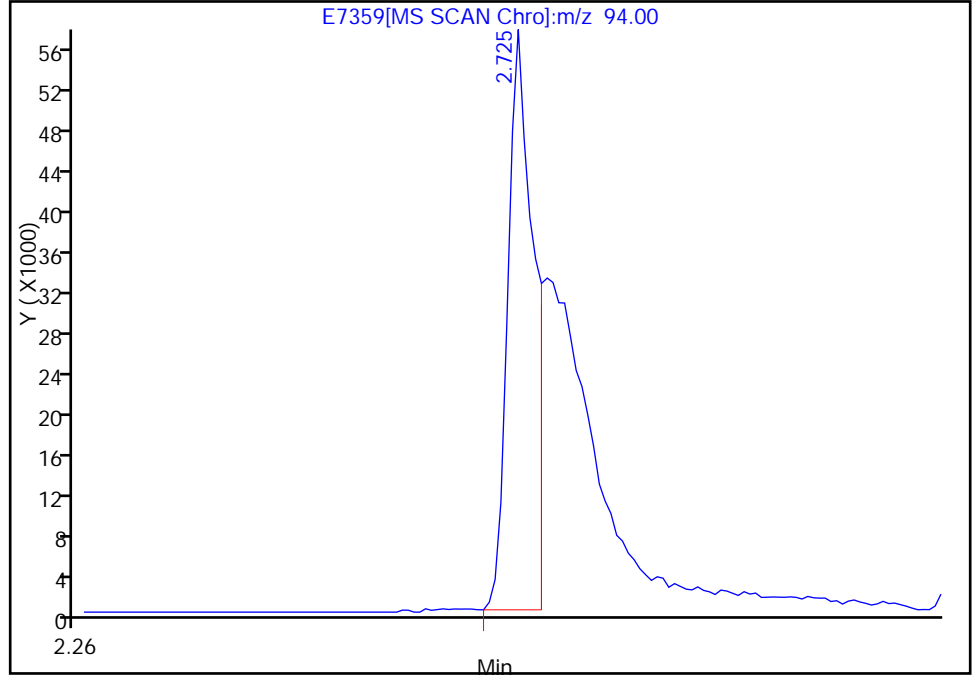
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.72

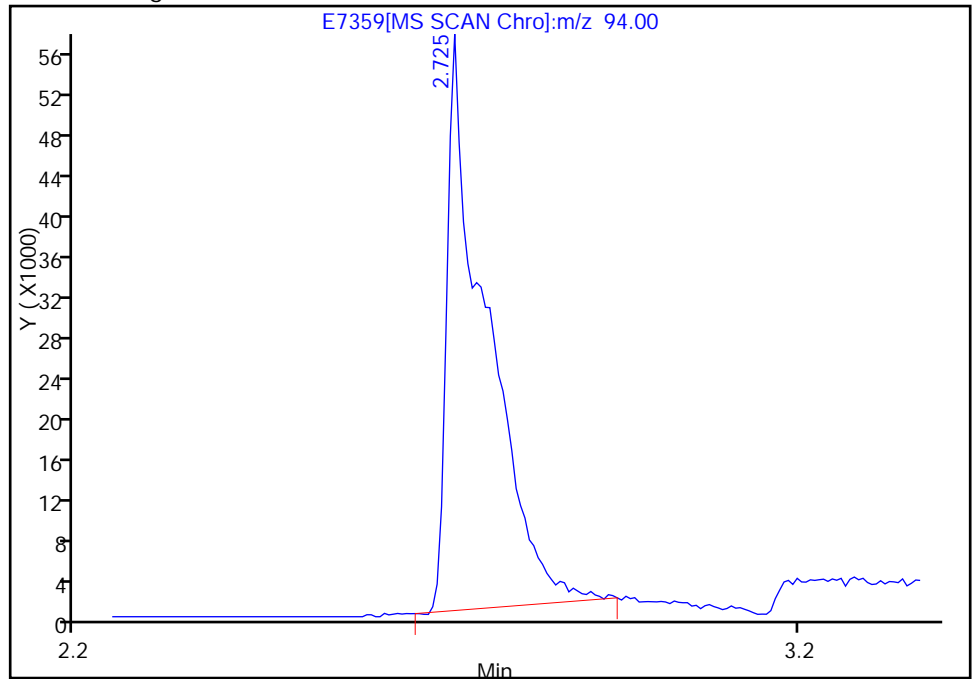
RT: 2.72  
Response: 109367  
Amount: 62.287458

Processing Integration Results



RT: 2.72  
Response: 216157  
Amount: 180.2919

Manual Integration Results



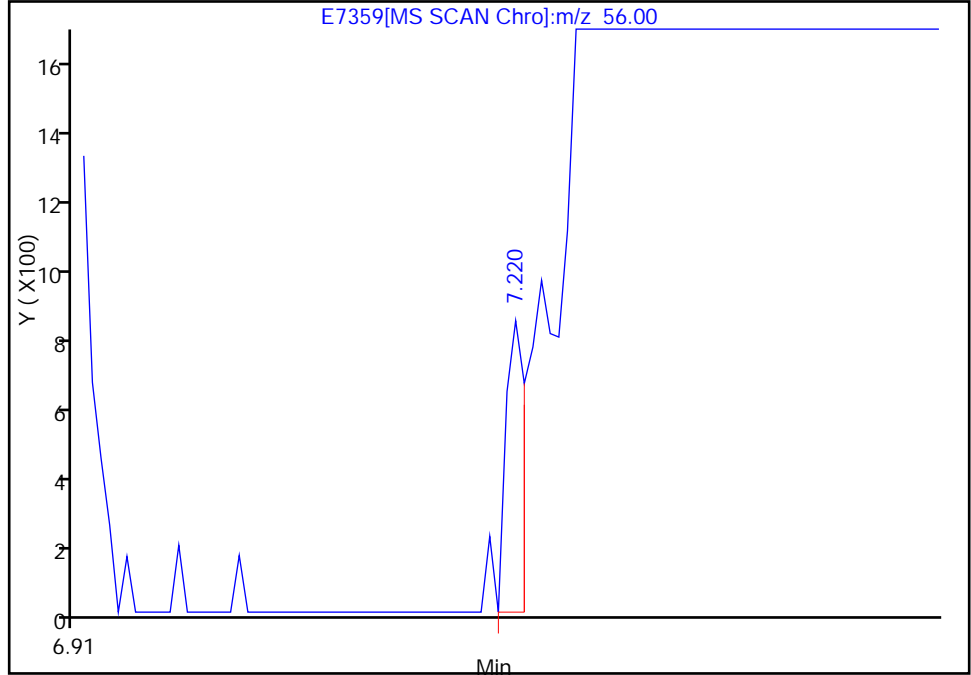
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 7.31

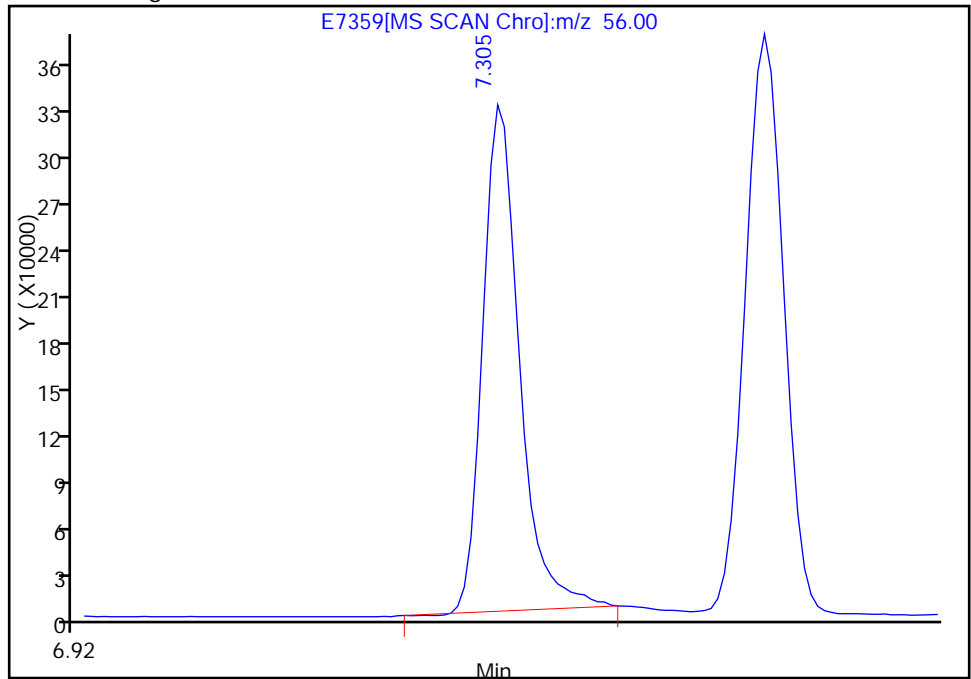
RT: 7.22  
Response: 764  
Amount: 3.150151

Processing Integration Results



RT: 7.31  
Response: 754443  
Amount: 2643.9150

Manual Integration Results



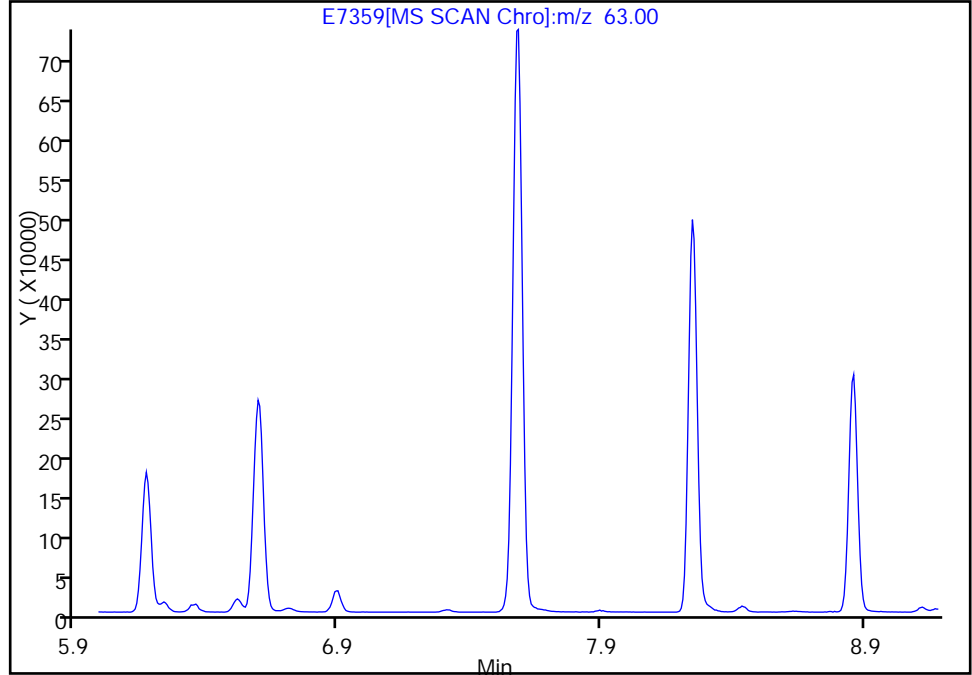
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.59

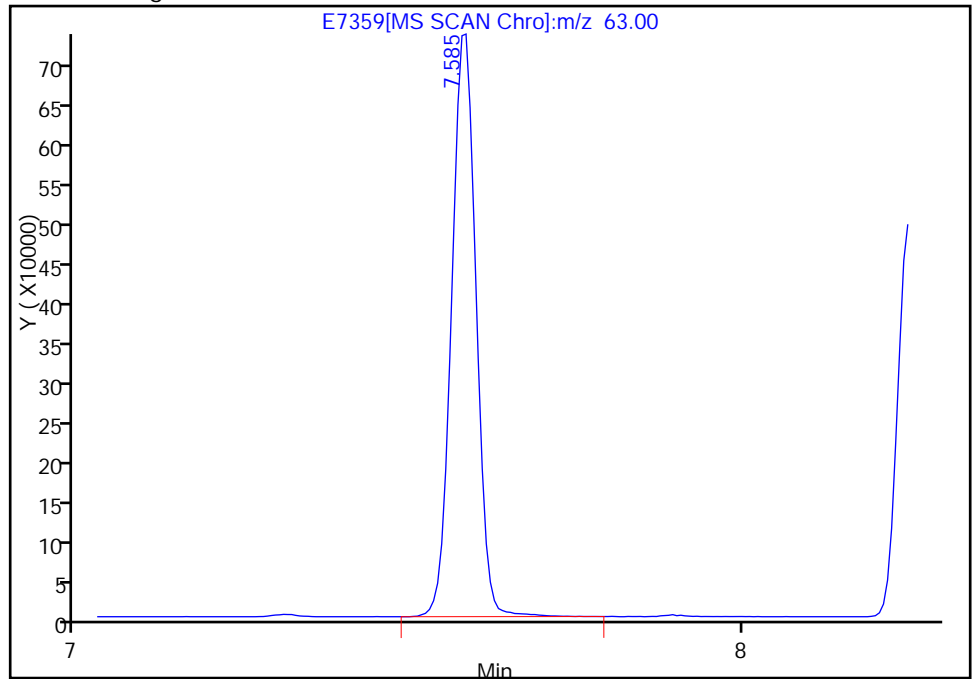
Not Detected  
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59  
Response: 1879036  
Amount: 185.4186



Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

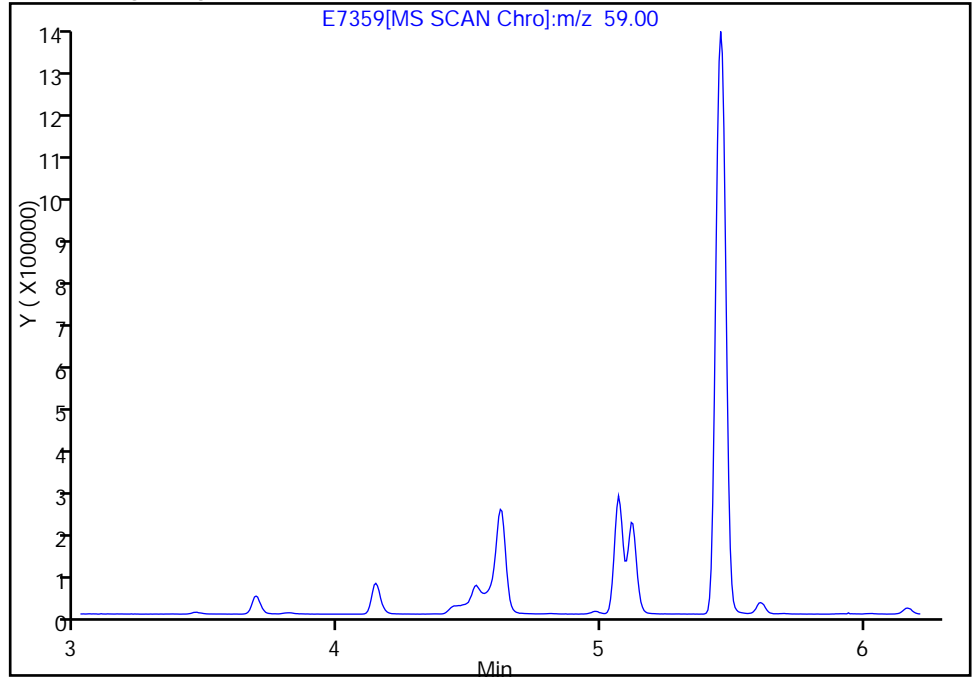


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

23 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 4.62

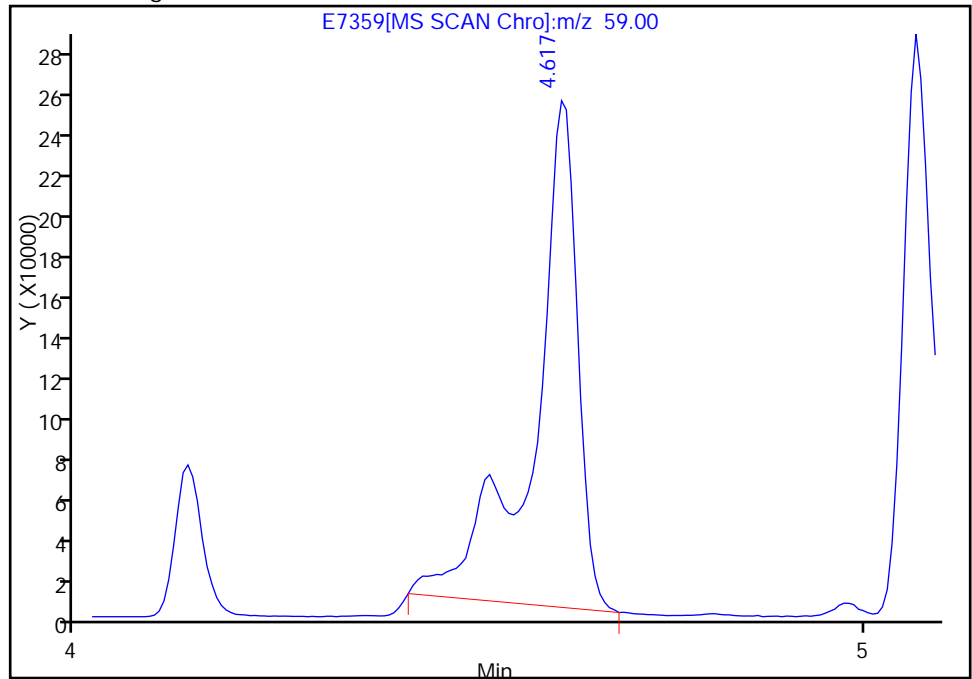
Not Detected  
Expected RT: 4.62

Processing Integration Results



Manual Integration Results

RT: 4.62  
Response: 965923  
Amount: 897.1363



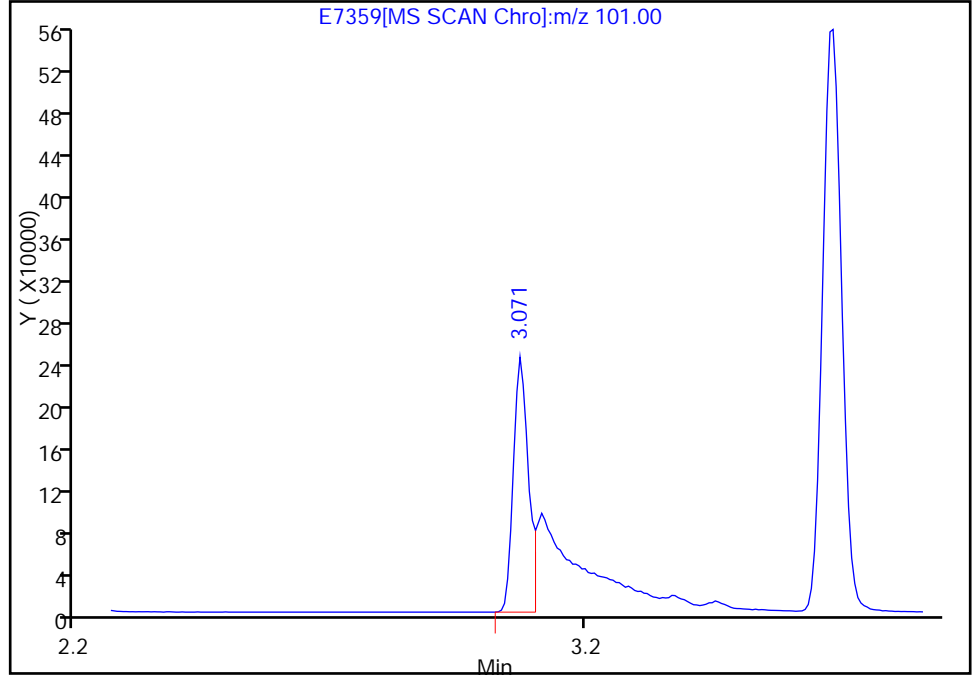
Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
Injection Date: 28-Jan-2012 10:54:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 10  
Operator ID: JLH

13 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 3.07

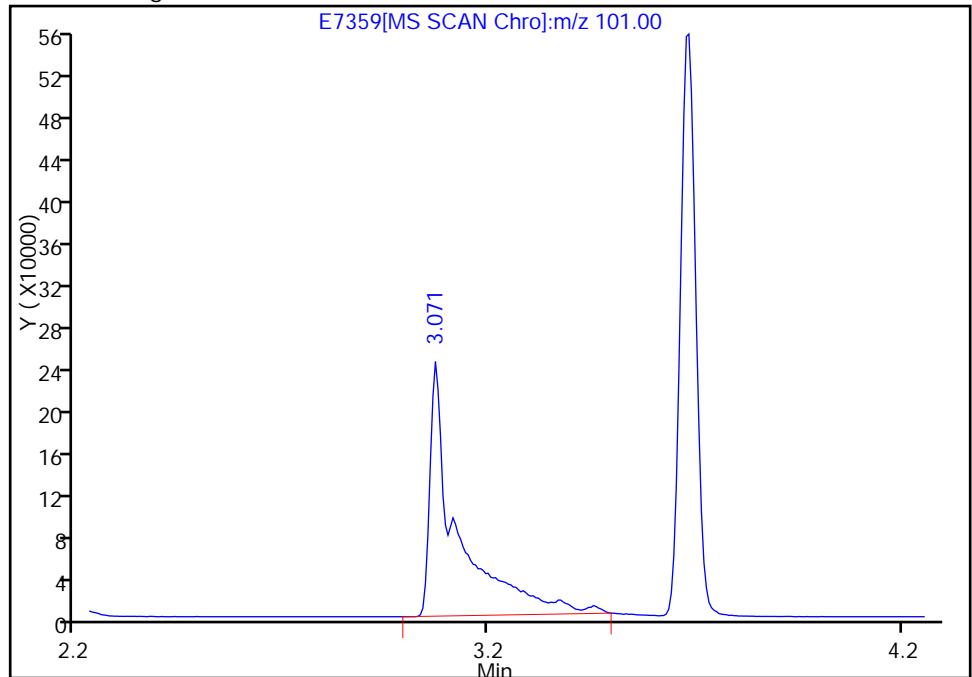
RT: 3.07  
Response: 503832  
Amount: 43.777651

Processing Integration Results



RT: 3.07  
Response: 1114444  
Amount: 87.112675

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 12:24:19  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45 Calibration End Date: 01/21/2012 12:53 Calibration ID: 4553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-92688/3	A7082.D
Level 2	STD005 510-92688/4	A7083.D
Level 3	STD010 510-92688/5	A7084.D
Level 4	STD020 510-92688/6	A7085.D
Level 5	STD001 510-92688/2	A7081.D
Level 6	STD050 510-92688/7	A7086.D
Level 7	STD100 510-92688/8	A7087.D
Level 8	STD150 510-92688/9	A7088.D
Level 9	STD200 510-92688/10	A7089.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Dichlorodifluoromethane	0.3464 0.3186	0.2139 0.2765	0.2817 0.3263	0.2876 0.2864		Ave	0.2922				14.0		15.0				
Chloromethane	0.2226 0.2145	0.1815 0.1982	0.1908 0.2279	0.2041 0.2280		Ave	0.2084			0.1000	8.4		15.0				
Vinyl chloride	0.2807 0.3064	0.2276 0.2920	0.2515 0.3322	0.2664 0.3157		Ave	0.2841				12.0		15.0				
Bromomethane	0.0278 0.0770	0.0515 0.0856	0.0444 0.1113	0.0507 0.1183		Qua	-0.216	0.0665	0.0003					0.9980		0.9950	
Chloroethane	0.1785 0.1504	0.1326 0.1471	0.1206 0.1598	0.1401 0.1526		Ave	0.1477				12.0		15.0				
Trichlorofluoromethane	0.5453 0.4536	0.3593 0.3983	0.4010 0.4593	0.4310 0.4226		Ave	0.4338				13.0		15.0				
1,2-Dichlorotrifluoroethane	0.3714 0.3065	0.2566 0.2882	0.2816 0.3148	0.2910 0.2880		Ave	0.2998				11.0		15.0				
Acrolein	0.0056 0.0192	0.0081 0.0160	0.0115 0.0194	0.0159 0.0174		Lin	-0.037	0.0181						0.9920		0.9900	
1,1-Dichloroethene	0.3527 0.3325	0.2589 0.3281	0.3078 0.3322	0.3499 0.3236		Ave	0.3232				9.2		15.0				
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1746 0.1552	0.1169 0.1333	0.1390 0.1586	0.1381 0.1416		Ave	0.1447				12.0		15.0				
Acetone	0.0838 0.0419	0.0424 0.0378	0.0521 0.0385	0.0440 0.0379		Lin	0.1122	0.0374						0.9990		0.9900	
Iodomethane	0.0291 0.1158	0.0260 0.1230	0.0557 0.1366	0.0838 0.1351		Lin	-0.798	0.1386						0.9980		0.9900	
Carbon disulfide	0.4857 0.4931	0.3532 0.5018	0.4222 0.5133	0.4968 0.5011		Ave	0.4709				12.0		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Acetonitrile	0.0324 0.0102	0.0169 0.0066	0.0113 0.0070	0.0095 ++++		Lin	0.0292	0.0094						0.9910		0.9900	
Methyl acetate	0.1353 0.1409	0.0973 0.1271	0.1240 0.1380	0.1500 0.1392		Ave		0.1315			12.0		15.0				
Methylene Chloride	0.3100 0.2250	0.2286 0.2240	0.2144 0.2246	0.2390 0.2173		Ave		0.2354			13.0		15.0				
t-Butyl alcohol	0.0049 0.0100	0.0051 0.0089	0.0082 0.0089	0.0095 0.0096		Lin	-0.039	0.0094						0.9970		0.9900	
Acrylonitrile	0.0353 0.0433	0.0323 0.0397	0.0392 0.0450	0.0433 0.0436		Ave		0.0402			11.0		15.0				
trans-1,2-Dichloroethene	0.3750 0.3709	0.3110 0.3580	0.3113 0.3681	0.3933 0.3521		Ave		0.3550			8.4		15.0				
Methyl tert-butyl ether	0.4170 0.5874	0.4385 0.5466	0.5597 0.5656	0.5922 0.5431		Ave		0.5313			13.0		15.0				
Hexane	0.2293 0.1597	0.1440 0.1638	0.1385 0.1712	0.1717 0.1582		Lin	0.0484	0.1626						0.9980		0.9900	
1,1-Dichloroethane	0.4694 0.4628	0.3690 0.4560	0.4112 0.4578	0.4764 0.4477		Ave		0.4438		0.1000	8.1		15.0				
Vinyl acetate	0.3952 0.4387	0.3251 0.4070	0.3709 0.4262	0.4241 0.4097		Ave		0.3996			9.2		15.0				
Isopropyl ether	0.7841 0.7912	0.5979 0.7398	0.6682 0.7253	0.8018 0.7049		Ave		0.7267			9.6		15.0				
Ethyl-t-butyl ether (ETBE)	0.6642 0.7201	0.5611 0.6687	0.6181 0.6748	0.7328 0.6522		Ave		0.6615			8.2		15.0				
cis-1,2-Dichloroethene	0.4475 0.4238	0.3601 0.4253	0.3844 0.4225	0.4438 0.4141		Ave		0.4152			7.1		15.0				
2,2-Dichloropropane	0.4123 0.4062	0.3079 0.4023	0.3673 0.4043	0.4091 0.3949		Ave		0.3880			9.1		15.0				
2-Butanone (MEK)	0.0484 0.0542	0.0462 0.0491	0.0575 0.0504	0.0555 0.0506		Ave		0.0515			7.5		15.0				
1,3-Butadiene	0.0052 0.0141	0.0061 0.0140	0.0150 0.0141	0.0151 0.0150		Lin	-0.027	0.0148						0.9980		0.9900	
Propionitrile	0.0225 0.0545	0.0246 0.0535	0.0582 0.0515	0.0574 0.0558		Lin	-0.057	0.0546						0.9970		0.9900	
Ethyl acetate	0.1380 0.1349	0.1000 0.1298	0.1301 0.1327	0.1490 0.1346		Ave		0.1311			11.0		15.0				
Chlorobromomethane	0.1679 0.1681	0.1244 0.1550	0.1430 0.1557	0.1736 0.1520		Ave		0.1550			10.0		15.0				
Tetrahydrofuran	0.2466 0.1310	0.1112 0.1192	0.0939 0.1245	0.1375 0.1218		Lin	0.0958	0.1219						0.9990		0.9900	

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Chloroform	0.5466 0.4940	0.3802 0.4729	0.4284 0.4716	0.5124 0.4670		Ave		0.4716			11.0		15.0				
1,1,1-Trichloroethane	0.4837 0.4362	0.3316 0.4382	0.4020 0.4365	0.4182 0.4328		Ave		0.4224			10.0		15.0				
Cyclohexane	0.2704 0.2573	0.1972 0.2578	0.2241 0.2585	0.2667 0.2490		Ave		0.2476			10.0		15.0				
1,1-Dichloropropene	0.3256 0.3494	0.2730 0.3404	0.3069 0.3453	0.3608 0.3362		Ave		0.3297			8.5		15.0				
Carbon tetrachloride	0.3138 0.3536	0.2490 0.3565	0.2906 0.3697	0.3532 0.3577		Ave		0.3305			13.0		15.0				
Benzene	1.1308 0.9781	0.7943 0.9503	0.8857 0.9202	1.0097 0.8869	1.2957	Ave		0.9835			15.0		15.0				
1,2-Dichloroethane	0.4066 0.3977	0.3132 0.3698	0.3452 0.3699	0.3943 0.3697		Ave		0.3708			8.2		15.0				
Isobutanol	0.0564 0.0780	0.0709 0.0745	0.0635 0.0781	0.0874 0.0758		Ave		0.0731			13.0		15.0				
Tert-amyl-methyl ether (TAME)	0.5567 0.6363	0.5284 0.6109	0.5673 0.6093	0.6643 0.6039		Ave		0.5972			7.4		15.0				
n-Butanol	0.0005 0.0012	0.0007 0.0011	0.0008 0.0014	0.0011 0.0014		Lin	-0.224	0.0015						0.9900		0.9900	
Trichloroethene	0.2522 0.2739	0.2380 0.2738	0.2392 0.2728	0.2658 0.2721		Ave		0.2610			6.0		15.0				
Methylcyclohexane	0.2280 0.2450	0.1992 0.2501	0.2279 0.2560	0.2580 0.2427		Ave		0.2384			8.2		15.0				
1,2-Dichloropropane	0.2674 0.2480	0.1824 0.2441	0.2338 0.2445	0.2618 0.2451		Ave		0.2409			11.0		15.0				
Dibromomethane	0.1515 0.1354	0.1036 0.1293	0.1201 0.1348	0.1370 0.1354		Ave		0.1309			11.0		15.0				
Dichlorobromomethane	0.2484 0.3440	0.2443 0.3424	0.2638 0.3446	0.3352 0.3498		Ave		0.3091			15.0		15.0				
2-Chloroethyl vinyl ether	0.0089 0.0338	0.0202 0.0267	0.0335 0.0349	0.0384 ++++		Qua	-0.167	0.0440	0					0.9990		0.9950	
cis-1,3-Dichloropropene	0.3100 0.3850	0.2390 0.3883	0.2972 0.3893	0.3786 0.3978		Lin	-0.672	0.3981						1.0000		0.9900	
Methyl isobutyl ketone (MIBK)	0.0851 0.1216	0.0940 0.1216	0.1093 0.1222	0.1243 0.1264		Ave		0.1131			14.0		15.0				
Toluene	1.2170 1.0293	0.8297 0.9755	0.9211 0.9790	1.0773 0.9431		Ave		0.9965			12.0		15.0				
trans-1,3-Dichloropropene	0.2202 0.3119	0.1932 0.3152	0.2049 0.3350	0.3044 0.3438		Lin	-1.126	0.3439						0.9990		0.9900	

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45 Calibration End Date: 01/21/2012 12:53 Calibration ID: 4553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
Ethyl methacrylate	0.1732 0.2229	0.1598 0.2266	0.1830 0.2290	0.2245 0.2319		Ave		0.2064			14.0		15.0				
1,1,2-Trichloroethane	0.1374 0.1402	0.1062 0.1331	0.1246 0.1422	0.1452 0.1425		Ave		0.1339			9.7		15.0				
Tetrachloroethene	0.2084 0.1876	0.1533 0.1910	0.1649 0.1927	0.1873 0.1904	0.2049	Ave		0.1867			9.4		15.0				
1,3-Dichloropropane	0.3248 0.3263	0.2398 0.3118	0.2860 0.3144	0.3372 0.3142		Ave		0.3068			10.0		15.0				
2-Hexanone	0.0569 0.0842	0.0623 0.0761	0.0671 0.0826	0.0815 0.0837		Ave		0.0743			14.0		15.0				
Chlorodibromomethane	0.1276 0.2098	0.1391 0.2136	0.1494 0.2289	0.1880 0.2341		Lin	-0.854	0.2348						0.9990		0.9900	
Ethylene Dibromide	0.1370 0.1784	0.1364 0.1841	0.1489 0.1885	0.1898 0.1888		Ave		0.1690			14.0		15.0				
Chlorobenzene	1.8666 1.7380	1.4925 1.6515	1.4147 1.6439	1.7422 1.6395		Ave		1.6486		0.3000	8.7		15.0				
1,1,1,2-Tetrachloroethane	0.5317 0.6434	0.5235 0.6528	0.4635 0.6593	0.5987 0.6752		Ave		0.5935			13.0		15.0				
Ethylbenzene	2.6565 2.5673	2.1966 2.5186	2.3229 2.4784	2.6178 2.4446		Ave		2.4753			6.2		15.0				
m-Xylene & p-Xylene	2.0693 2.0597	1.7880 1.9286	1.7970 1.8436	2.1029 1.8023		Ave		1.9239			7.0		15.0				
o-Xylene	2.3753 2.2043	1.7982 2.1156	1.8830 2.0716	2.2075 2.0971		Ave		2.0941			8.8		15.0				
Styrene	1.6253 1.7908	1.2581 1.7284	1.4864 1.7057	1.7160 1.7062		Ave		1.6271			11.0		15.0				
Bromoform	0.0850 0.2064	0.0906 0.2119	0.1267 0.2244	0.1702 0.2475		Lin	-1.351	0.2435		0.1000				0.9950		0.9900	
Isopropylbenzene	3.3990 3.1004	2.6300 2.9890	2.4511 3.0700	3.1402 2.9275		Ave		2.9634			10.0		15.0				
1,1,2,2-Tetrachloroethane	0.4746 0.6103	0.3846 0.5680	0.4635 0.5823	0.5848 0.5908		Ave		0.5324		0.3000	15.0		15.0				
Bromobenzene	1.3690 1.4417	1.2283 1.4090	1.2103 1.4251	1.3880 1.4311		Ave		1.3628			6.7		15.0				
1,2,3-Trichloropropane	0.1570 0.7126	0.3939 0.6788	0.5734 0.7422	0.7241 0.7398		Lin2	-1.207	0.7247						0.9940		0.9900	
trans-1,4-Dichloro-2-butene	0.1651	0.1244 0.1647	0.1274 0.1732	0.1567 0.1788		Ave		0.1558			14.0		15.0				
N-Propylbenzene	3.8794 3.6803	2.9921 3.4742	3.0055 3.5619	3.7329 3.4002		Ave		3.4658			9.4		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
2-Chlorotoluene	2.2879	2.0797	1.9053	2.4807		Ave		2.2974			9.0		15.0				
	2.4830	2.3777	2.4419	2.3231													
1,3,5-Trimethylbenzene	2.8807	2.1766	2.2932	2.8075		Ave		2.6242			9.7		15.0				
	2.7968	2.6785	2.7376	2.6227													
4-Chlorotoluene	3.1886	2.1623	2.3215	2.8981		Ave		2.6831			12.0		15.0				
	2.8306	2.7000	2.7439	2.6195													
tert-Butylbenzene	2.5156	2.0642	1.8315	2.3547		Ave		2.2444			9.2		15.0				
	2.3041	2.2774	2.3257	2.2822													
1,2,4-Trimethylbenzene	2.9651	2.2007	2.2509	2.8801		Ave		2.6742			11.0		15.0				
	2.8702	2.7377	2.7824	2.7068													
sec-Butylbenzene	3.6189	2.5067	2.4274	3.1668		Ave		2.9973			13.0		15.0				
	3.0885	3.0500	3.1189	3.0010													
1,3-Dichlorobenzene	1.5919	1.1534	1.1879	1.4004		Ave		1.3731			10.0		15.0				
	1.4505	1.3666	1.4491	1.3854													
4-Isopropyltoluene	2.6392	2.0433	2.1858	2.7570		Ave		2.5478			11.0		15.0				
	2.7237	2.6430	2.7481	2.6426													
1,4-Dichlorobenzene	1.3884	1.2122	1.1835	1.4320		Ave		1.3640			7.8		15.0				
	1.4806	1.3976	1.4228	1.3946													
1,2,3-Trimethylbenzene	2.7850	2.0948	2.2401	2.8119		Ave		2.5997			11.0		15.0				
	2.8133	2.6566	2.7386	2.6575													
1,2-Dichlorobenzene	1.2748	0.8684	1.0218	1.1999		Ave		1.1299			11.0		15.0				
	1.1949	1.1276	1.1824	1.1696													
n-Butylbenzene	2.0683	1.8247	1.7995	2.2005		Ave		2.1115			9.3		15.0				
	2.2692	2.1986	2.3020	2.2289													
1,2-Dibromo-3-Chloropropane	0.0459	0.0314	0.0428	0.0374		Lin	-0.370	0.0564						0.9920		0.9900	
	0.3346	0.2439	0.2606	0.3141													
1,2,4-Trichlorobenzene	0.2960	0.2790	0.3314	0.3287		Ave		0.2985			12.0		15.0				
	0.2114	0.2295	0.2094	0.2396													
Hexachlorobutadiene	0.2211	0.2303	0.2642	0.2672		Ave		0.2341			9.4		15.0				
	0.3781	0.3073	0.3619	0.4359													
Naphthalene	0.4269	0.4393	0.5327	0.5599		Lin	-3.119	0.5526						0.9910		0.9900	
	0.1634	0.0948	0.1328	0.1502													
1,2,3-Trichlorobenzene	0.1277	0.1303	0.1675	0.1673		Qua	0.0856	0.1149	0.0003					0.9960		0.9950	
	0.2425	0.2496	0.2563	0.2629	0.2541												
Dibromofluoromethane	0.2684	0.2568	0.2595	0.2406		Ave		0.2545			3.6		15.0				
	0.2686	0.2814	0.3105	0.3083	0.2979												
1,2-Dichloroethane-d4 (Surr)	0.3030	0.3002	0.2981	0.2923		Ave		0.2956			4.5		15.0				
	0.9377	0.9459	0.9401	0.9706	0.9350												
Toluene-d8 (Surr)	0.9471	0.9359	0.9583	0.9352		Ave		0.9451			1.3		15.0				

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45 Calibration End Date: 01/21/2012 12:53 Calibration ID: 4553

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8	LVL 9													
4-Bromofluorobenzene (Surr)	1.3286	1.2814	1.2710	1.2602	1.3307	Ave		1.2849			2.9		15.0				
	1.2988	1.2590	1.3158	1.2184													

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.



FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45 Calibration End Date: 01/21/2012 12:53 Calibration ID: 4553

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-92688/3	A7082.D
Level 2	STD005 510-92688/4	A7083.D
Level 3	STD010 510-92688/5	A7084.D
Level 4	STD020 510-92688/6	A7085.D
Level 5	STD001 510-92688/2	A7081.D
Level 6	STD050 510-92688/7	A7086.D
Level 7	STD100 510-92688/8	A7087.D
Level 8	STD150 510-92688/9	A7088.D
Level 9	STD200 510-92688/10	A7089.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9		LVL 6	LVL 7	LVL 8	LVL 9	
Dichlorodifluoromethane	FB	Ave	4891 110642	7388 198923	20190 345219	39188 425040		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloromethane	FB	Ave	3143 74486	6267 142547	13677 241164	27818 338342		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl chloride	FB	Ave	3964 106401	7861 210058	18027 351491	36298 468454		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromomethane	FB	Qua	392 26755	1778 61560	3184 117817	6903 175495		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroethane	FB	Ave	2521 52216	4579 105850	8643 169121	19092 226524		2.00 50.0	5.00 100	10.0 150	20.0 200	
Trichlorofluoromethane	FB	Ave	7701 157535	12409 286523	28742 486038	58730 627187		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorotrifluoroethane	FB	Ave	5244 106457	8863 207311	20187 333065	39655 427343		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acrolein	FB	Lin	79 6707	280 11521	830 20652	2176 25937		2.01 50.2	5.02 100	10.0 151	20.1 201	
1,1-Dichloroethene	FB	Ave	4980 115469	8940 236049	22066 351560	47685 480183		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2465 53903	4038 95896	9962 167826	18820 210121		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetone	FB	Lin	1183 14545	1464 27212	3734 40689	5990 56228		2.00 50.0	5.00 100	10.0 150	20.0 200	
Iodomethane	FB	Lin	411 40226	899 88488	3994 144534	11423 200459		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon disulfide	FB	Ave	6858 171230	12199 360997	30264 543127	67696 743599		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetonitrile	FB	Lin	458 3542	583 4769	811 7433	1301 +++++		2.00 50.0	5.00 100	10.0 150	20.0 +++++	

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VMSB

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Methyl acetate	FB	Ave	1910	3359	8887	20440		2.00	5.00	10.0	20.0	
			48944	91423	145982	206529		50.0	100	150	200	
Methylene Chloride	FB	Ave	4377	7895	15370	32570		2.00	5.00	10.0	20.0	
			78128	161112	237679	322517		50.0	100	150	200	
t-Butyl alcohol	FB	Lin	277	699	2353	5199		8.00	20.0	40.0	80.0	
			13928	25660	37719	56726		200	400	600	800	
Acrylonitrile	FB	Ave	499	1115	2810	5898		2.00	5.00	10.0	20.0	
			15036	28593	47606	64766		50.0	100	150	200	
trans-1,2-Dichloroethene	FB	Ave	5295	10741	22317	53602		2.00	5.00	10.0	20.0	
			128819	257552	389446	522561		50.0	100	150	200	
Methyl tert-butyl ether	FB	Ave	5888	15145	40121	80709		2.00	5.00	10.0	20.0	
			203999	393209	598442	805898		50.0	100	150	200	
Hexane	FB	Lin	3238	4973	9928	23401		2.00	5.00	10.0	20.0	
			55458	117850	181163	234749		50.0	100	150	200	
1,1-Dichloroethane	FB	Ave	6629	12743	29475	64923		2.00	5.00	10.0	20.0	
			160721	327994	484436	664375		50.0	100	150	200	
Vinyl acetate	FB	Ave	11162	22453	53172	115599		4.00	10.0	20.0	40.0	
			304718	585603	902001	1216089		100	200	300	400	
Isopropyl ether	FB	Ave	11073	20650	47896	109265		2.00	5.00	10.0	20.0	
			274768	532204	767495	1046084		50.0	100	150	200	
Ethyl-t-butyl ether (ETBE)	FB	Ave	9380	19379	44304	99860		2.00	5.00	10.0	20.0	
			250078	481002	714011	967807		50.0	100	150	200	
cis-1,2-Dichloroethene	FB	Ave	6319	12437	27552	60486		2.00	5.00	10.0	20.0	
			147186	305939	447070	614479		50.0	100	150	200	
2,2-Dichloropropane	FB	Ave	5822	10635	26328	55749		2.00	5.00	10.0	20.0	
			141079	289407	427825	585961		50.0	100	150	200	
2-Butanone (MEK)	FB	Ave	684	1597	4122	7569		2.00	5.00	10.0	20.0	
			18820	35288	53317	75113		50.0	100	150	200	
1,3-Butadiene	FB	Lin	74	210	1076	2053		2.00	5.00	10.0	20.0	
			4892	10079	14910	22319		50.0	100	150	200	
Propionitrile	DCB	Lin	74	210	1076	2053		2.00	5.00	10.0	20.0	
			4893	10079	14423	22319		50.0	100	150	200	
Ethyl acetate	FB	Ave	1949	3454	9323	20302		2.00	5.00	10.0	20.0	
			46858	93360	140426	199753		50.0	100	150	200	
Chlorobromomethane	FB	Ave	2371	4298	10250	23659		2.00	5.00	10.0	20.0	
			58374	111507	164774	225598		50.0	100	150	200	
Tetrahydrofuran	DCB	Lin	812	950	1736	4914		2.00	5.00	10.0	20.0	
			11758	22467	34880	48660		50.0	100	150	200	
Chloroform	FB	Ave	7719	13131	30708	69828		2.00	5.00	10.0	20.0	
			171549	340203	498957	693017		50.0	100	150	200	
1,1,1-Trichloroethane	FB	Ave	6831	11454	28813	56991		2.00	5.00	10.0	20.0	
			151496	315257	461851	642245		50.0	100	150	200	

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Cyclohexane	FB	Ave	3818 89371	6810 185428	16067 273513	36346 369569		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloropropene	FB	Ave	4598 121326	9428 244861	21999 365384	49163 498851		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon tetrachloride	FB	Ave	4431 122796	8600 256472	20828 391230	48138 530863		2.00 50.0	5.00 100	10.0 150	20.0 200	
Benzene	FB	Ave	15969 339673	27434 683616	63491 973640	137602 1316089	9171	2.00 50.0	5.00 100	10.0 150	20.0 200	1.00
1,2-Dichloroethane	FB	Ave	5742 138099	10818 265999	24748 391412	53734 548600		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isobutanol	FB	Ave	797 27097	2448 53610	4549 82589	11912 112558		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-amyl-methyl ether (TAME)	FB	Ave	7862 220975	18249 439478	40664 644706	90531 896215		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butanol	FB	Lin	471 9109	1275 11075	2813 16692	5921 27424		127 1050	255 1350	510 1650	770 2700	
Trichloroethene	FB	Ave	3561 95110	8220 196991	17149 288687	36224 403737		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylcyclohexane	FB	Ave	3219 85089	6881 179923	16339 270864	35160 360145		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloropropane	FB	Ave	3776 86108	6301 175587	16762 258718	35680 363759		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dibromomethane	FB	Ave	2139 47009	3577 93017	8608 142676	18669 200942		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dichlorobromomethane	FB	Ave	3508 119465	8438 246328	18909 364614	45686 519144		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chloroethyl vinyl ether	FB	Qua	250 23443	1397 38383	4805 73884	10454 +++++		4.00 100	10.0 200	20.0 300	40.0 +++++	
cis-1,3-Dichloropropene	FB	Lin	4378 133688	8254 279314	21301 411908	51599 590360		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl isobutyl ketone (MIBK)	FB	Ave	1202 42217	3246 87501	7833 129342	16941 187567		2.00 50.0	5.00 100	10.0 150	20.0 200	
Toluene	FB	Ave	17185 357467	28656 701731	66030 1035904	146816 1399571		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,3-Dichloropropene	FB	Lin	3109 108299	6672 226725	14687 354503	41476 510237		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl methacrylate	FB	Ave	2446 77417	5519 162997	13116 242299	30598 344207		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloroethane	FB	Ave	1940 48677	3669 95714	8930 150474	19791 211524		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrachloroethene	FB	Ave	2943 65151	5294 137433	11817 203951	25518 282545	1450	2.00 50.0	5.00 100	10.0 150	20.0 200	1.00

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B

GC Column: 624/8260

ID: 0.2 (mm)

Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45

Calibration End Date: 01/21/2012 12:53

Calibration ID: 4553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,3-Dichloropropane	FB	Ave	4586 113320	8281 224307	20504 332641	45957 466327		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Hexanone	FB	Ave	804 29250	2151 54744	4809 87376	11106 124275		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorodibromomethane	FB	Lin	1802 72849	4804 153680	10709 242234	25620 347465		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylene Dibromide	FB	Ave	1934 61943	4712 132415	10674 199459	25870 280234		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobenzene	CBZ	Ave	9791 227943	19029 448853	36993 680614	92415 924435		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1,2-Tetrachloroethane	CBZ	Ave	2789 84379	6674 177422	12119 272957	31756 380699		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylbenzene	CBZ	Ave	13934 336715	28006 684523	60740 1026117	138864 1378398		2.00 50.0	5.00 100	10.0 150	20.0 200	
m-Xylene & p-Xylene	CBZ	Ave	21708 540293	45592 1048367	93976 1526601	223096 2032414		4.00 100	10.0 200	20.0 300	40.0 400	
o-Xylene	CBZ	Ave	12459 289104	22927 575000	49238 857691	117100 1182479		2.00 50.0	5.00 100	10.0 150	20.0 200	
Styrene	CBZ	Ave	8525 234868	16041 469748	38868 706196	91024 962042		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromoform	CBZ	Lin	446 27071	1155 57599	3313 92909	9026 139556		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isopropylbenzene	DCB	Ave	11193 278349	22469 563575	45317 859949	112219 1169931		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2,2-Tetrachloroethane	DCB	Ave	1563 54789	3286 107094	8570 163114	20897 236116		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromobenzene	DCB	Ave	4508 129436	10494 265658	22376 399199	49601 571914		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichloropropane	DCB	Lin2	517 63979	3365 127983	10602 207913	25875 295665		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,4-Dichloro-2-butene	DCB	Ave	14822	1063 31061	2355 48504	5599 71452		50.0	5.00 100	10.0 150	20.0 200	
N-Propylbenzene	DCB	Ave	12775 330407	25562 655050	55566 997728	133399 1358849		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chlorotoluene	DCB	Ave	7534 222921	17767 448309	35226 684010	88649 928398		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3,5-Trimethylbenzene	DCB	Ave	9486 251087	18595 505032	42398 766826	100329 1048133		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Chlorotoluene	DCB	Ave	10500 254122	18473 509088	42920 768610	103566 1046831		2.00 50.0	5.00 100	10.0 150	20.0 200	
tert-Butylbenzene	DCB	Ave	8284 206856	17635 429408	33862 651453	84149 912034		2.00 50.0	5.00 100	10.0 150	20.0 200	

FORM VI  
GC/MS VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 92688

SDG No.: \_\_\_\_\_

Instrument ID: VM5B GC Column: 624/8260 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/21/2012 08:45 Calibration End Date: 01/21/2012 12:53 Calibration ID: 4553

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8	LVL 9		LVL 6	LVL 7	LVL 8	LVL 9	
1,2,4-Trimethylbenzene	DCB	Ave	9764 257678	18801 516182	41615 779387	102923 1081718		2.00 50.0	5.00 100	10.0 150	20.0 200	
sec-Butylbenzene	DCB	Ave	11917 277281	21415 575075	44879 873657	113170 1199303		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Dichlorobenzene	DCB	Ave	5242 130227	9854 257675	21962 405908	50044 553647		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Isopropyltoluene	DCB	Ave	8691 244527	17456 498330	40412 769781	98523 1056084		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,4-Dichlorobenzene	DCB	Ave	4572 132922	10356 263522	21881 398536	51174 557315		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trimethylbenzene	DCB	Ave	9171 252574	17896 500902	41415 767129	100485 1062015		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorobenzene	DCB	Ave	4198 107274	7419 212601	18892 331198	42881 467404		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butylbenzene	DCB	Ave	6811 203728	15589 414541	33269 644831	78636 890742		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromo-3-Chloropropane	DCB	Lin	4124 9058	268 9058	792 14321	1335 22937		50.0	5.00 100	10.0 150	20.0 200	
1,2,4-Trichlorobenzene	DCB	Ave	1102 26575	2084 52602	4819 92822	11223 131361		2.00 50.0	5.00 100	10.0 150	20.0 200	
Hexachlorobutadiene	DCB	Ave	696 19849	1961 43415	3872 74004	8561 106795		2.00 50.0	5.00 100	10.0 150	20.0 200	
Naphthalene	DCB	Lin	1245 38328	2625 82824	6691 149223	15577 223754		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichlorobenzene	DCB	Qua	538 11461	810 24565	2456 46912	5366 66853		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dibromofluoromethane	FB	Ave	85593 93194	86197 92349	91852 91511	89560 89261	89917	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	94837 105225	97200 107968	111289 105126	105040 108433	105414	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
Toluene-d8 (Surr)	FB	Ave	331025 328901	326690 336630	336944 338000	330670 346955	330890	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	109380 116607	109474 118694	117495 122855	112586 121734	114507	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0

Curve Type Legend:

Ave = Average ISTD  
Lin = Linear ISTD  
Lin2 = Linear 1/conc^2 ISTD  
Qua = Quadratic ISTD

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7081.D  
 Lims ID: STD001 Client ID:  
 Inject. Date: 21-Jan-2012 08:45:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: STD001  
 Misc. Info.: 510-0006222-002 =510-0006222-002  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 92688 Lims Sample ID: 2  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 09:26:48 Calib Date: 21-Jan-2012 08:45:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7081.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 09:26:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.565	5.558	0.007	98	353893	50.0	
* 2 Chlorobenzene-d5	82	8.753	8.752	0.0	84	129781	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.490	11.490	0.0	95	86051	50.0	
\$ 103 Dibromofluoromethane	113	4.902	4.895	0.007	0	89917	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.224	5.224	0.0	0	105414	50.0	
\$ 6 Toluene-d8 (Surr)	98	7.177	7.176	0.001	93	330890	50.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.109	10.109	0.0	78	114507	50.0	
49 Benzene	78	5.291	5.291	0.0	85	9171	1.00	
66 Tetrachloroethene	166	7.840	7.840	0.0	63	1450	1.00	

Report Date: 21-Jan-2012 09:26:48

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7081.D

Injection Date: 21-Jan-2012 08:45:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

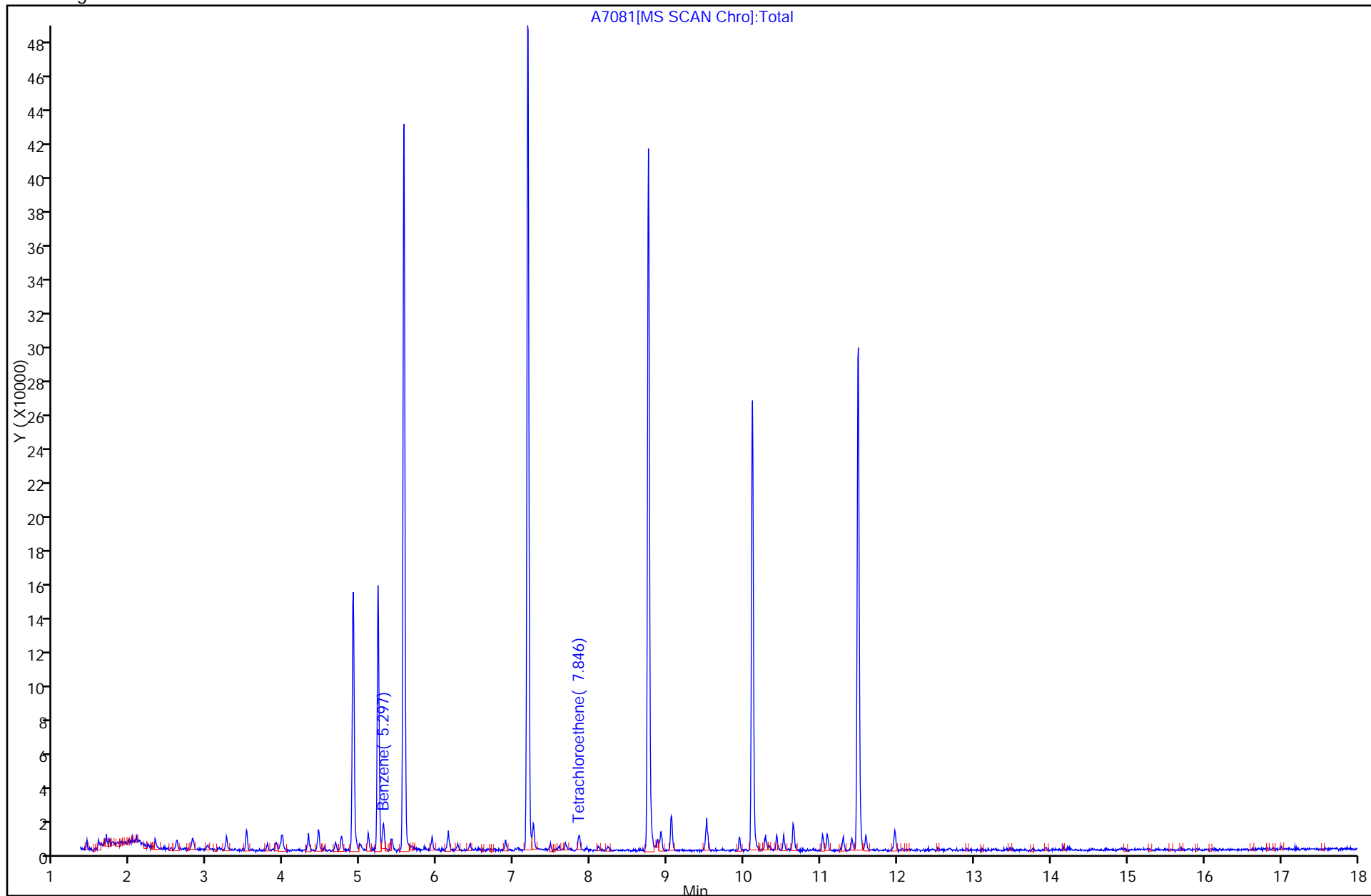
Instrument ID: VMSB

Lims Batch ID: 92688

Lims Sample ID: 2

Operator ID: JLH

Y Scaling:



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
 Lims ID: STD002 Client ID:  
 Inject. Date: 21-Jan-2012 09:16:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: STD002  
 Misc. Info.: 510-0006222-003 =510-0006222-003  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 2  
 Lims Batch ID: 92688 Lims Sample ID: 3  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 09:53:59 Calib Date: 21-Jan-2012 09:16:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 09:53:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.566	5.558	0.008	98	353031	50.0	
* 2 Chlorobenzene-d5	82	8.753	8.752	0.001	82	131133	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.491	11.490	0.001	96	82325	50.0	
\$ 103 Dibromofluoromethane	113	4.902	4.895	0.007	0	85593	48.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.225	5.224	0.001	0	94837	47.4	
\$ 6 Toluene-d8 (Surr)	98	7.178	7.176	0.002	93	331025	50.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.104	10.109	-0.005	79	109380	50.0	
11 Dichlorodifluoromethane	85	1.429	1.421	0.008	76	4891	2.00	
12 Chloromethane	50	1.581	1.580	0.001	77	3143	2.00	
13 Vinyl chloride	62	1.684	1.677	0.007	84	3964	2.00	
14 Bromomethane	94	1.988	1.975	0.013	8	392	2.00	
15 Chloroethane	64	2.080	2.072	0.008	45	2521	2.00	
16 Trichlorofluoromethane	101	2.317	2.316	0.001	66	7701	2.00	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.591	2.596	-0.005	61	5244	2.00	
18 Acrolein	56	2.706	2.706	0.0	0	79	2.01	M
19 1,1-Dichloroethene	61	2.798	2.796	0.002	72	4980	2.00	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.816	2.802	0.014	30	2465	2.00	
21 Acetone	43	2.834	2.834	0.0	0	1183	2.00	M
22 Iodomethane	142	2.931	2.931	0.0	0	411	2.00	M
23 Carbon disulfide	76	3.004	3.003	0.001	81	6858	2.00	
24 Acetonitrile	40	3.090	3.090	0.0	0	458	2.00	M
25 Methyl acetate	43	3.144	3.149	-0.005	57	1910	2.00	
26 Methylene Chloride	84	3.248	3.240	0.008	81	4377	2.00	
27 2-Methyl-2-propanol	59	3.333	3.333	0.0	0	277	8.00	M
28 Acrylonitrile	53	3.461	3.461	0.0	0	499	2.00	M
30 trans-1,2-Dichloroethene	61	3.509	3.502	0.007	79	5295	2.00	
29 Methyl tert-butyl ether	73	3.509	3.508	0.001	68	5888	2.00	
31 Hexane	57	3.783	3.776	0.007	63	3238	2.00	
32 1,1-Dichloroethane	63	3.899	3.891	0.008	62	6629	2.00	
33 Vinyl acetate	43	3.947	3.947	0.0	95	11162	4.00	M



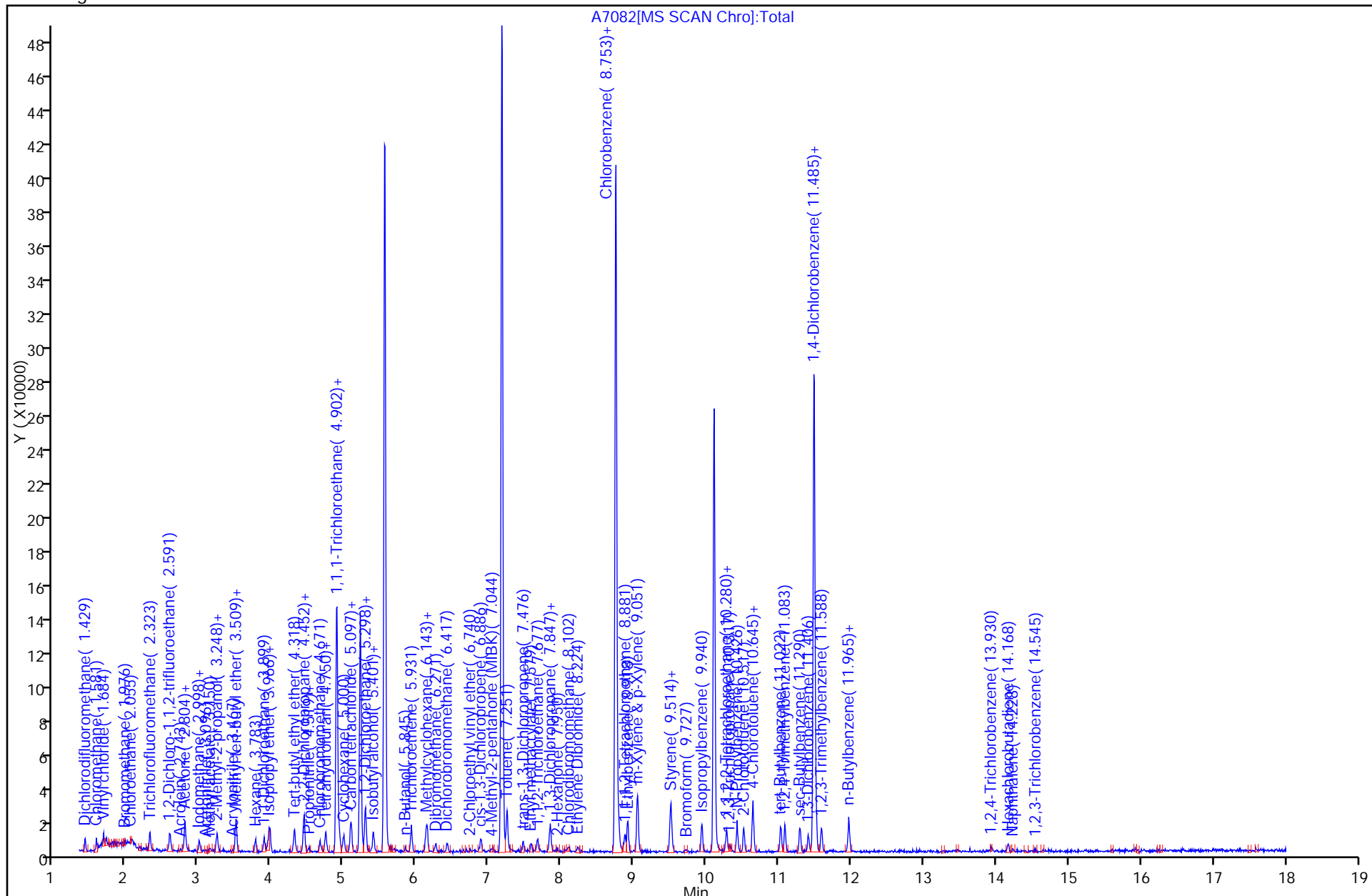
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.978	3.978	0.0	0	11073	2.00	M
35 Tert-butyl ethyl ether	59	4.318	4.311	0.007	82	9380	2.00	
37 cis-1,2-Dichloroethene	61	4.446	4.445	0.001	71	6319	2.00	
39 2-Butanone (MEK)	43	4.452	4.445	0.007	16	684	2.00	
36 2,2-Dichloropropane	77	4.452	4.445	0.007	58	5822	2.00	
40 Butadiene	54	4.507	4.507	0.0	0	74	2.00	M
41 Propionitrile	54	4.507	4.507	0.0	0	74	2.00	M
38 Ethyl acetate	43	4.519	4.518	0.001	0	1949	2.00	
42 Chlorobromomethane	130	4.671	4.670	0.001	38	2371	2.00	
43 Tetrahydrofuran	42	4.744	4.744	0.0	1	812	2.00	M
44 Chloroform	83	4.744	4.743	0.001	74	7719	2.00	
45 1,1,1-Trichloroethane	97	4.933	4.932	0.001	71	6831	2.00	
46 Cyclohexane	56	5.000	4.992	0.008	72	3818	2.00	
48 1,1-Dichloropropene	75	5.097	5.090	0.007	57	4598	2.00	
47 Carbon tetrachloride	117	5.097	5.096	0.001	67	4431	2.00	
49 Benzene	78	5.298	5.291	0.007	72	15969	1.86	
50 1,2-Dichloroethane	62	5.298	5.297	0.001	28	5742	2.00	
52 Isobutyl alcohol	41	5.413	5.413	0.0	15	797	2.00	M
51 Tert-amyl methyl ether	73	5.407	5.406	0.001	85	7862	2.00	
53 n-Butanol	56	5.845	5.838	0.007	0	471	127.0	
54 Trichloroethene	132	5.931	5.929	0.002	77	3561	2.00	
55 Methylcyclohexane	83	6.137	6.137	0.0	0	3219	2.00	M
56 1,2-Dichloropropane	63	6.143	6.148	-0.005	53	3776	2.00	
57 Dibromomethane	93	6.265	6.264	0.001	53	2139	2.00	
58 Dichlorobromomethane	83	6.429	6.422	0.007	50	3508	2.00	
59 2-Chloroethyl vinyl ether	63	6.740	6.738	0.002	1	250	4.00	
60 cis-1,3-Dichloropropene	75	6.898	6.884	0.014	46	4378	2.00	
61 4-Methyl-2-pentanone (MIBK)	43	7.050	7.049	0.001	1	1202	2.00	
62 Toluene	91	7.251	7.249	0.002	71	17185	2.00	
63 trans-1,3-Dichloropropene	75	7.470	7.475	-0.004	52	3109	2.00	
64 Ethyl methacrylate	69	7.585	7.584	0.001	38	2446	2.00	
65 1,1,2-Trichloroethane	83	7.677	7.669	0.007	42	1940	2.00	
66 Tetrachloroethene	166	7.847	7.840	0.007	61	2943	2.02	
67 1,3-Dichloropropane	76	7.853	7.852	0.001	63	4586	2.00	
68 2-Hexanone	43	7.950	7.949	0.001	29	804	2.00	
69 Chlorodibromomethane	129	8.102	8.101	0.001	1	1802	2.00	
70 Ethylene Dibromide	107	8.224	8.229	-0.005	44	1934	2.00	
71 Chlorobenzene	112	8.784	8.784	0.0	0	9791	2.00	M
72 1,1,1,2-Tetrachloroethane	131	8.875	8.874	0.001	42	2789	2.00	
73 Ethylbenzene	91	8.918	8.916	0.002	81	13934	2.00	
74 m-Xylene & p-Xylene	91	9.051	9.050	0.001	0	21708	4.00	
75 o-Xylene	91	9.508	9.506	0.002	78	12459	2.00	
76 Styrene	104	9.520	9.519	0.001	78	8525	2.00	
77 Bromoform	173	9.708	9.708	0.0	0	446	2.00	M
78 Isopropylbenzene	105	9.940	9.938	0.002	69	11193	2.00	
80 Bromobenzene	77	10.286	10.279	0.007	64	4508	2.00	
79 1,1,2,2-Tetrachloroethane	83	10.280	10.280	0.0	1	1563	2.00	M
81 1,2,3-Trichloropropane	75	10.317	10.317	0.0	0	517	2.00	M
82 trans-1,4-Dichloro-2-butene	53	10.329	10.329	0.0	0	0	0	M
83 N-Propylbenzene	91	10.426	10.425	0.001	84	12775	2.00	
84 2-Chlorotoluene	91	10.517	10.516	0.001	53	7534	2.00	
86 4-Chlorotoluene	91	10.645	10.644	0.001	65	10500	2.00	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85 1,3,5-Trimethylbenzene	105	10.645	10.644	0.001	63	9486	2.00	
87 tert-Butylbenzene	119	11.022	11.027	-0.005	60	8284	2.00	
88 1,2,4-Trimethylbenzene	105	11.083	11.082	0.001	37	9764	2.00	
89 sec-Butylbenzene	105	11.290	11.295	-0.005	57	11917	2.00	
90 1,3-Dichlorobenzene	146	11.418	11.418	0.0	0	5242	2.00	M
91 4-Isopropyltoluene	119	11.467	11.467	0.0	51	8691	2.00	M
92 1,4-Dichlorobenzene	146	11.515	11.515	0.0	0	4572	2.00	M
93 1,2,3-Trimethylbenzene	105	11.594	11.587	0.007	0	9171	2.00	
94 1,2-Dichlorobenzene	146	11.971	11.964	0.007	13	4198	2.00	
95 n-Butylbenzene	91	11.971	11.970	0.001	62	6811	2.00	
97 1,2,4-Trichlorobenzene	180	13.936	13.935	0.001	1	1102	2.00	
98 Hexachlorobutadiene	225	14.168	14.166	0.002	1	696	2.00	
99 Naphthalene	128	14.234	14.234	0.0	0	1245	2.00	M
100 1,2,3-Trichlorobenzene	180	14.545	14.545	0.0	0	538	2.00	M
S 102 Total 1,2-dichloroethene	100				0		4.00	
S 101 Xylenes, Total	100				0		6.00	

## QC Flag Legend

## Review Flags

M - Manually Integrated

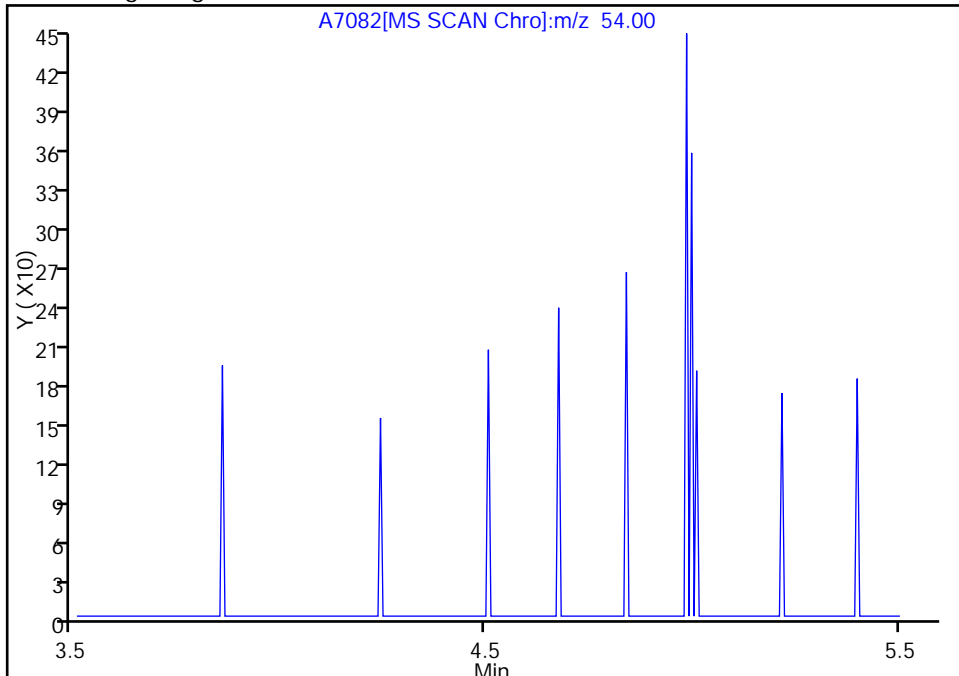


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Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

41 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

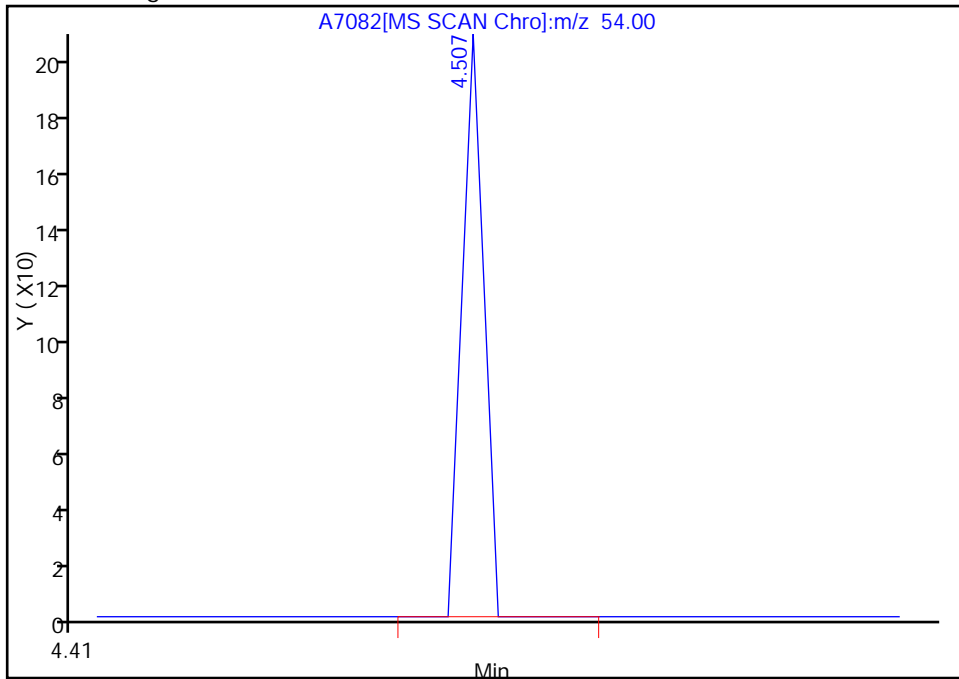
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Expected RT: 4.51

Processing Integration Results



RT: 4.51  
Response: 74  
Amount: 2.000000

Manual Integration Results



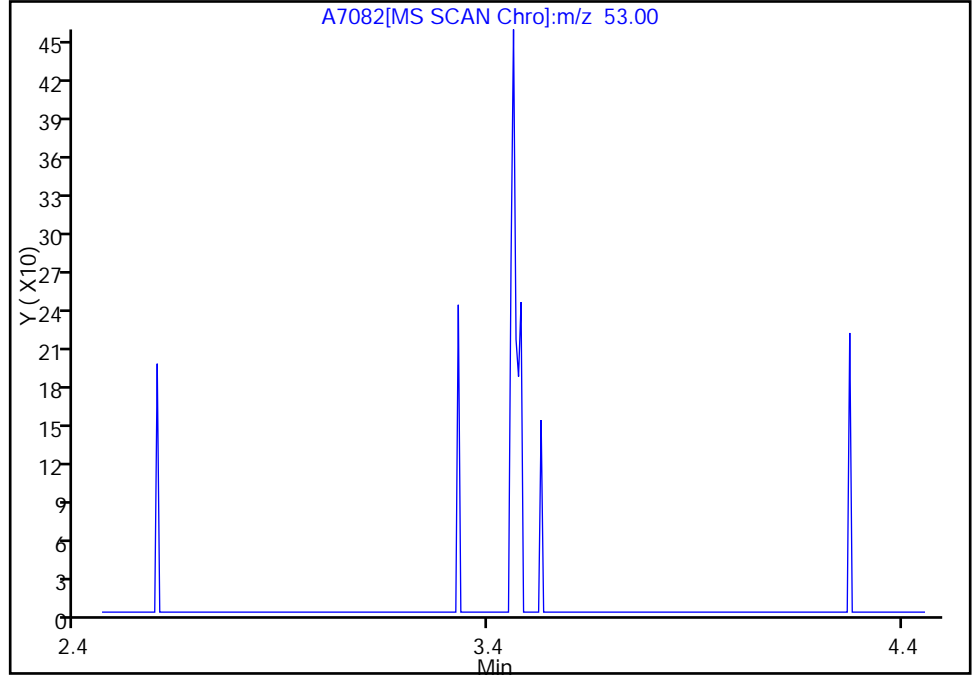
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

28 Acrylonitrile, Signal: 1, m/z: 53.0 Type: quant, RT: 3.46

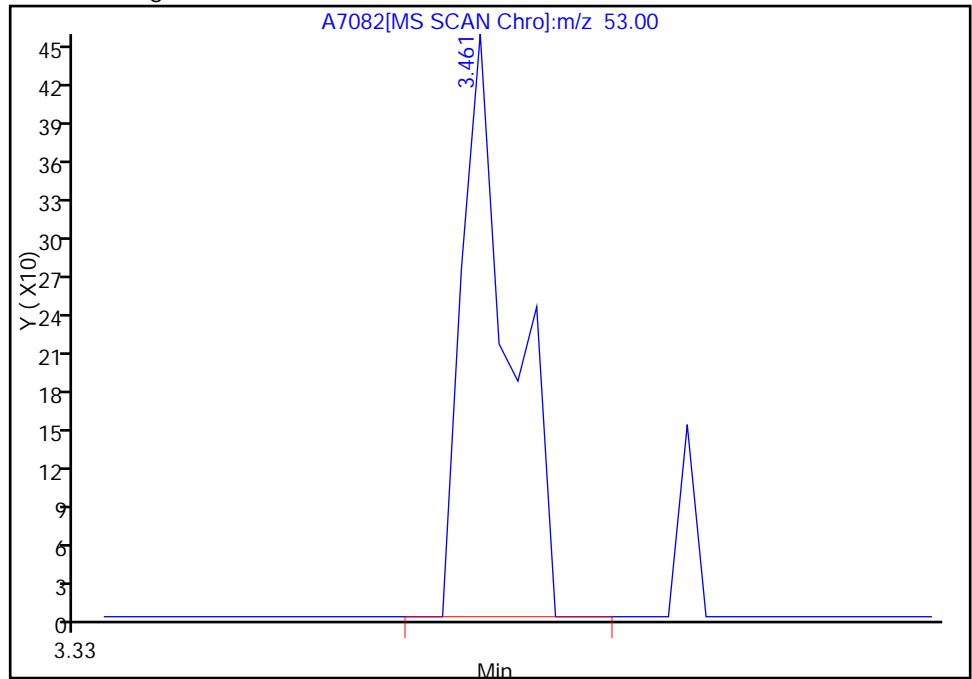
Not Detected  
Expected RT: 3.46

Processing Integration Results



Manual Integration Results

RT: 3.46  
Response: 499  
Amount: 2.000000



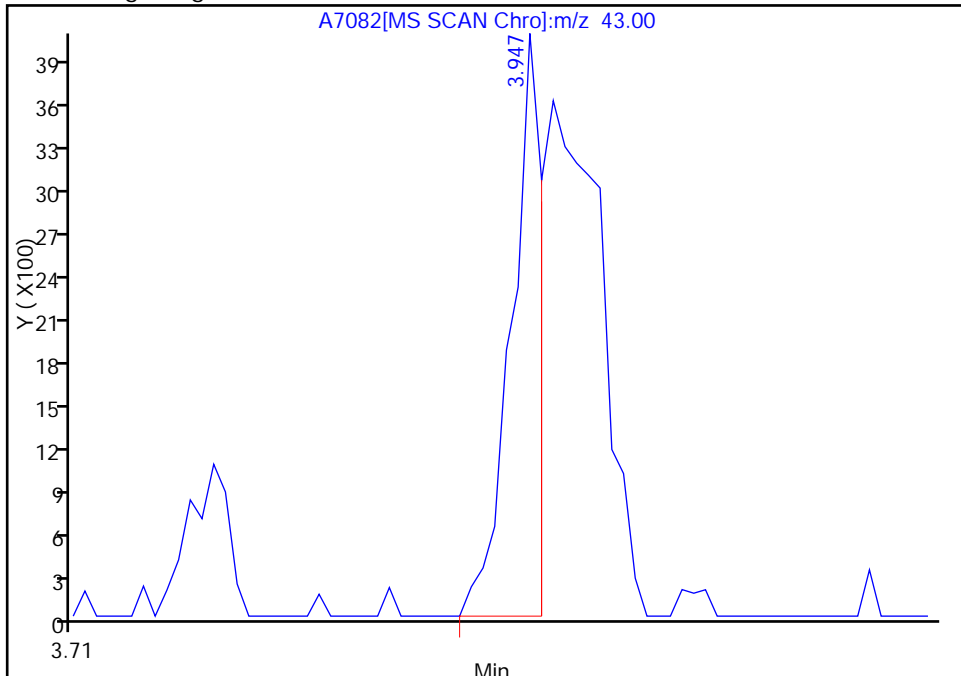
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.95

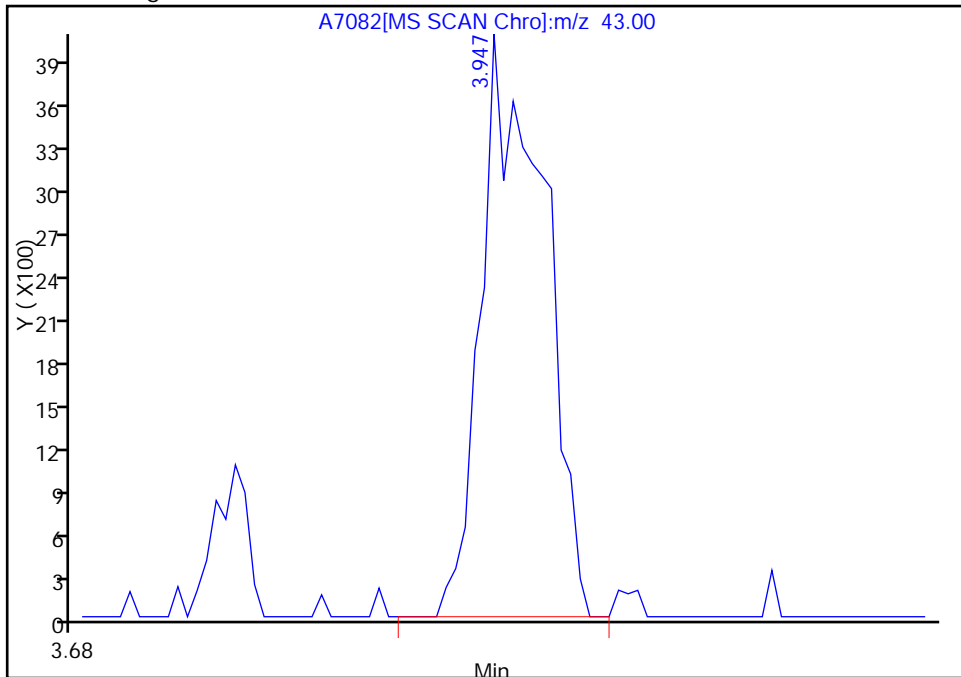
RT: 3.95  
Response: 4484  
Amount: 4.000000

Processing Integration Results



RT: 3.95  
Response: 11162  
Amount: 4.000000

Manual Integration Results



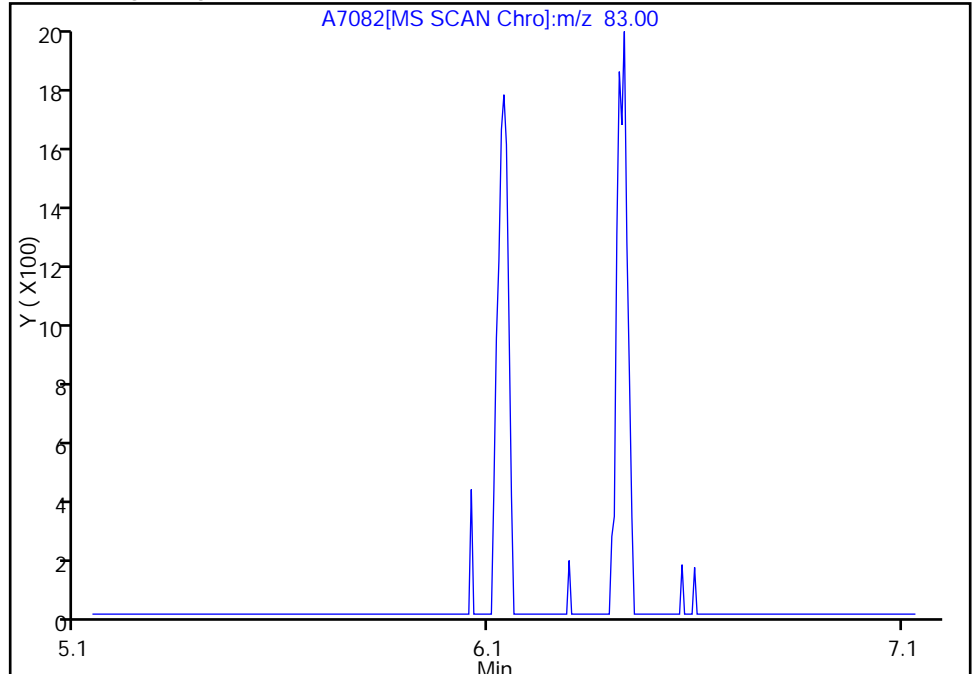
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

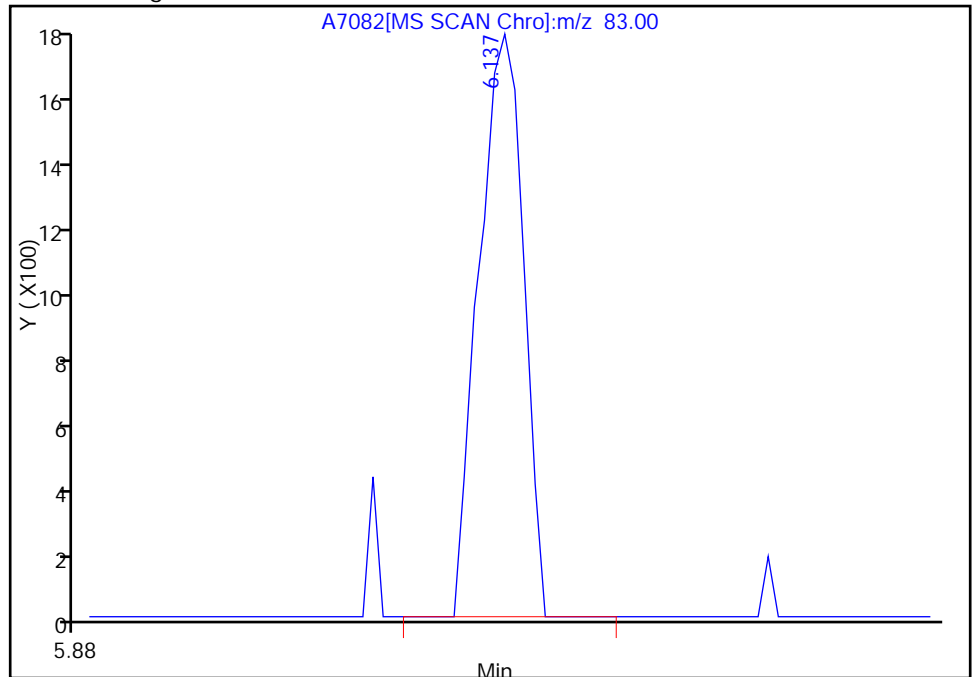
55 Methylcyclohexane, Signal: 1, m/z: 83.0 Type: quant, RT: 6.14

Not Detected  
Expected RT: 6.14

Processing Integration Results



Manual Integration Results



RT: 6.14  
Response: 3219  
Amount: 2.000000

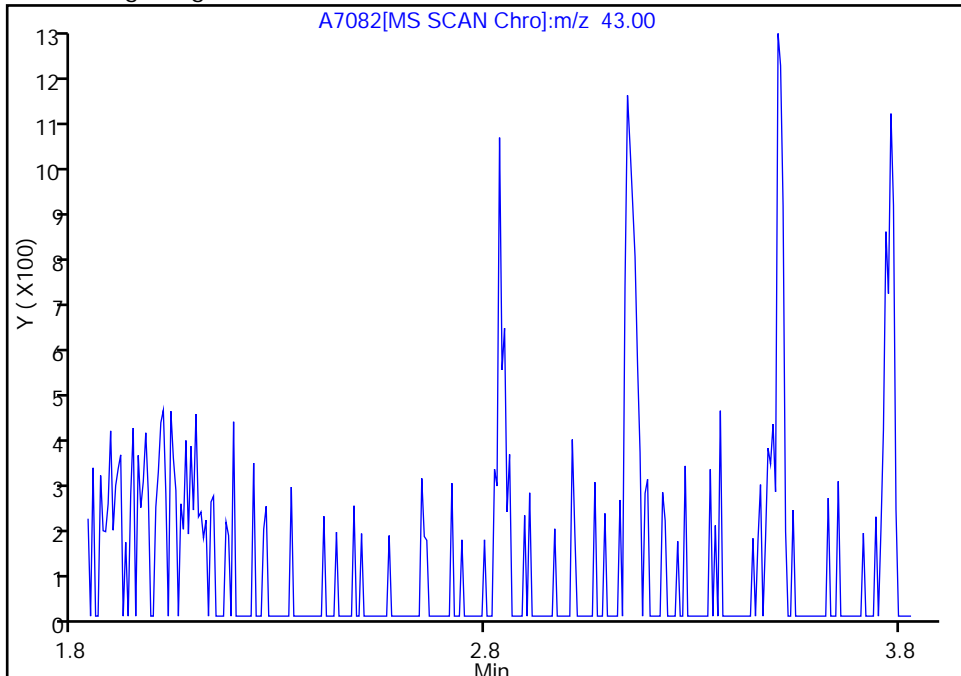
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

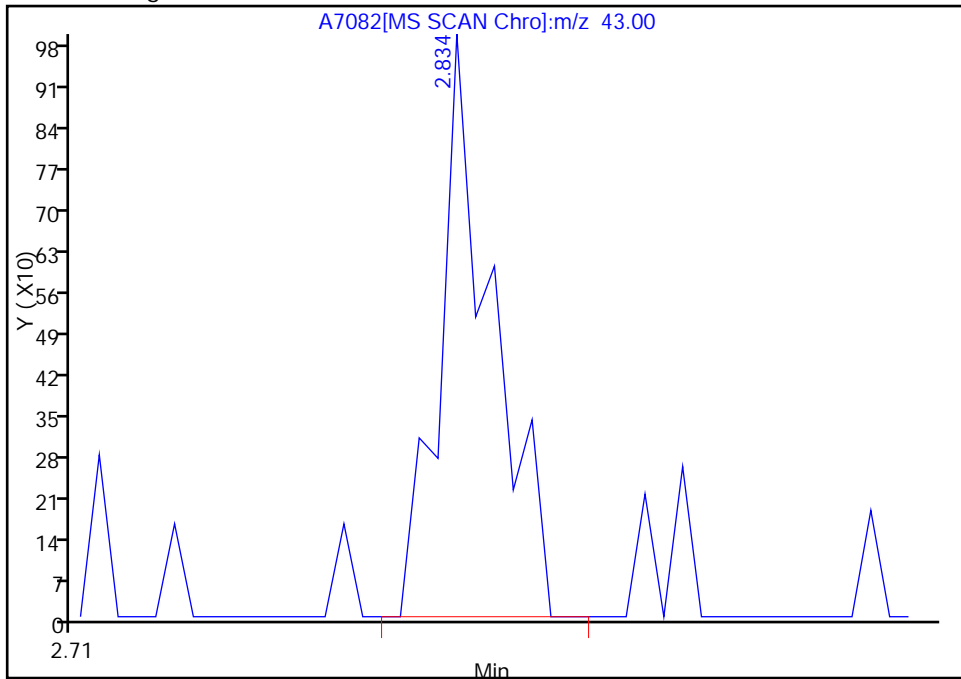
21 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 2.83

Not Detected  
Expected RT: 2.83

Processing Integration Results



Manual Integration Results



RT: 2.83  
Response: 1183  
Amount: 2.000000

Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

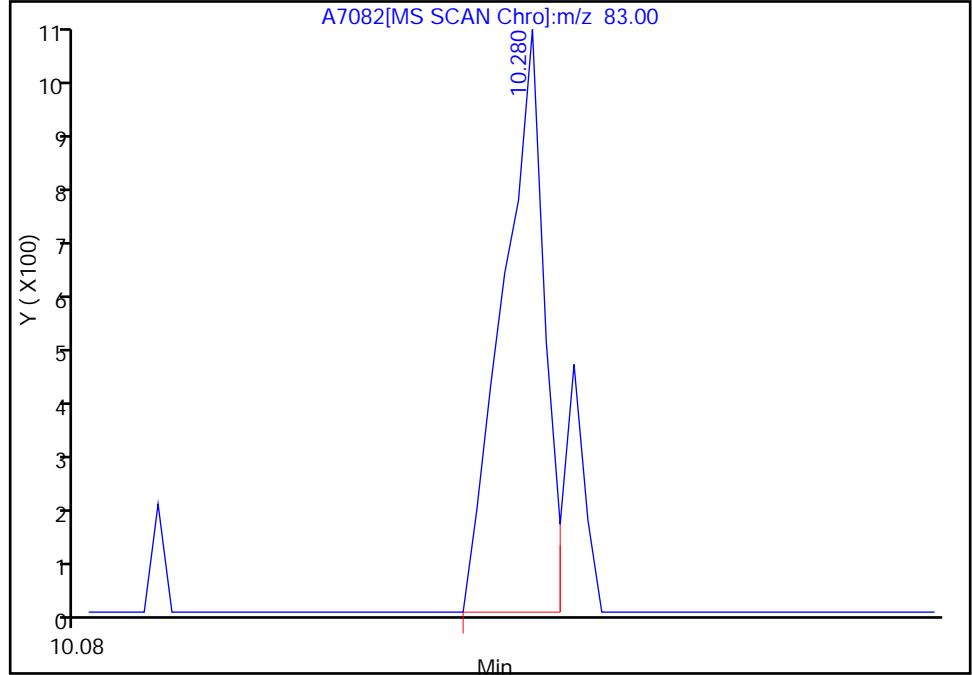


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

79 1,1,2,2-Tetrachloroethane, Signal: 1, m/z: 83.0 Type: quant, RT: 10.28

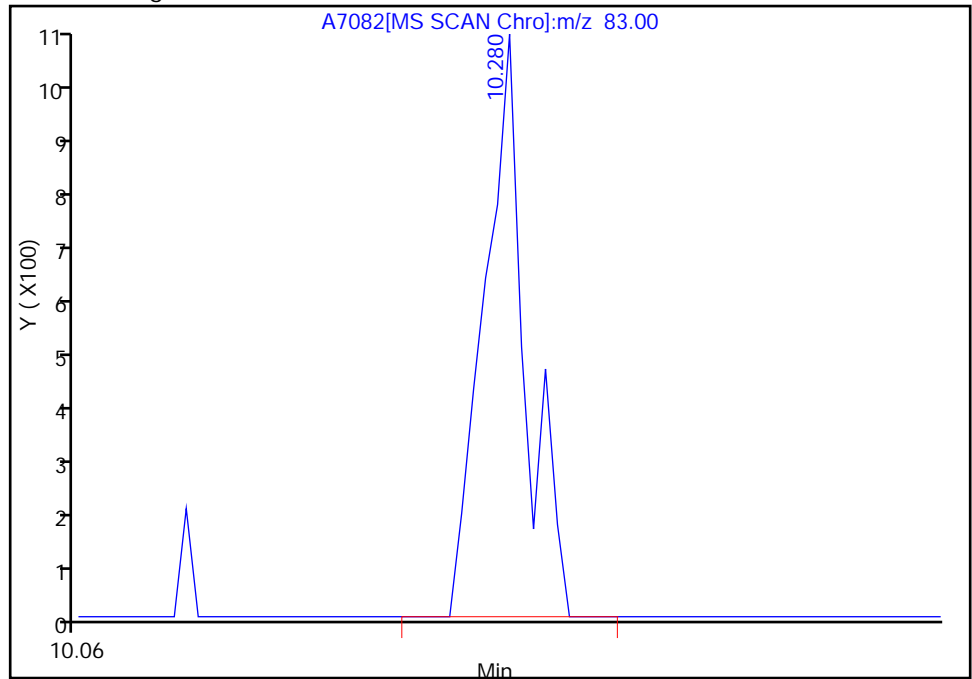
RT: 10.28  
Response: 1338  
Amount: 2.000000

Processing Integration Results



RT: 10.28  
Response: 1563  
Amount: 2.000000

Manual Integration Results



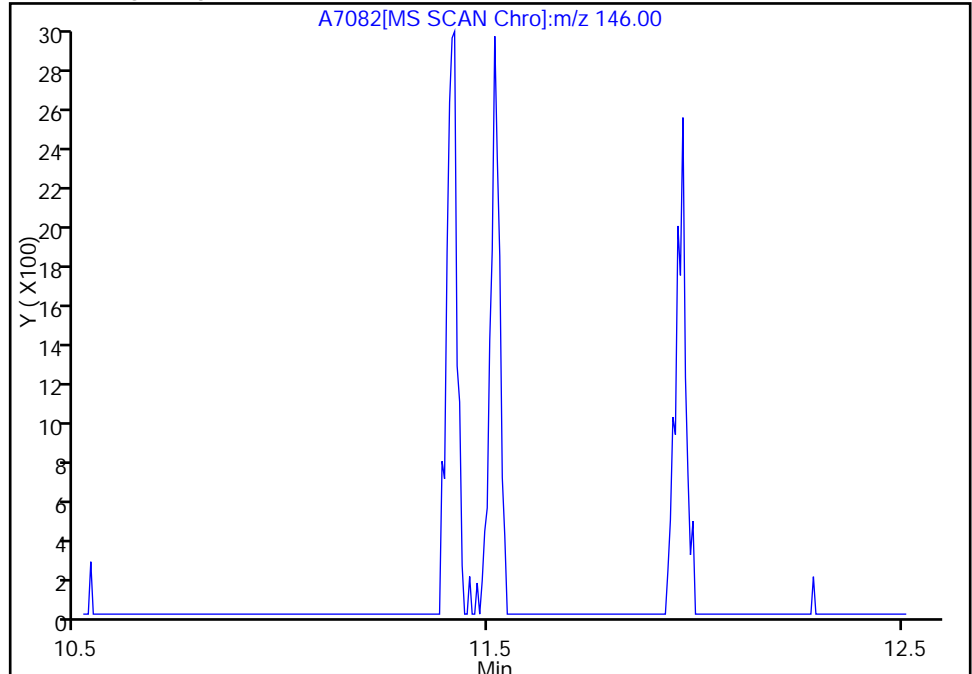
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

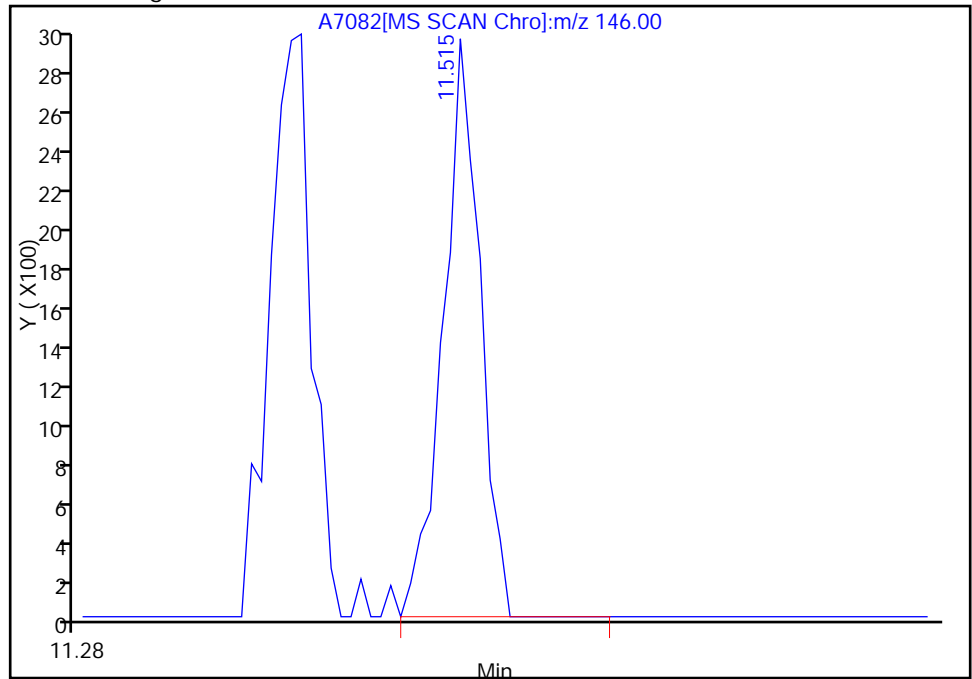
92 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.52

Not Detected  
Expected RT: 11.52

Processing Integration Results



Manual Integration Results



RT: 11.52  
Response: 4572  
Amount: 2.000000

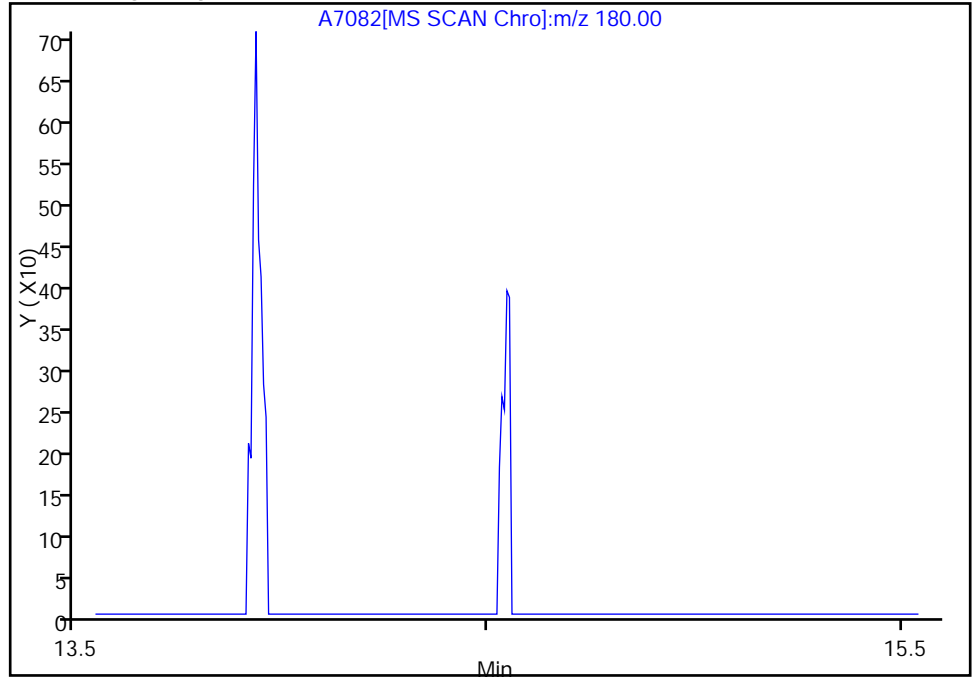
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

100 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 14.54

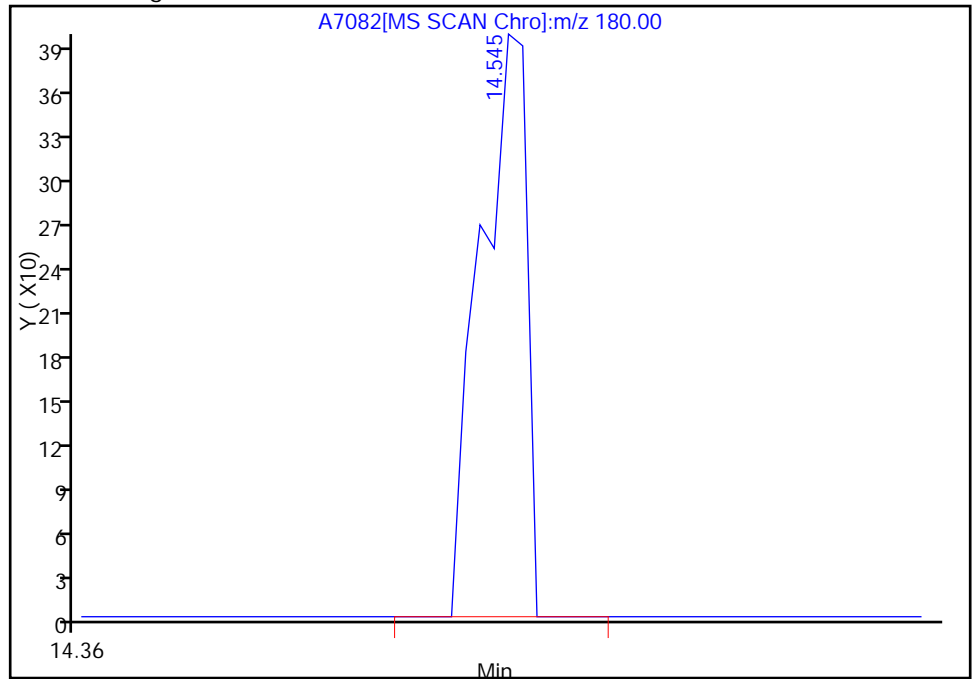
Not Detected  
Expected RT: 14.54

Processing Integration Results



Manual Integration Results

RT: 14.54  
Response: 538  
Amount: 2.000000



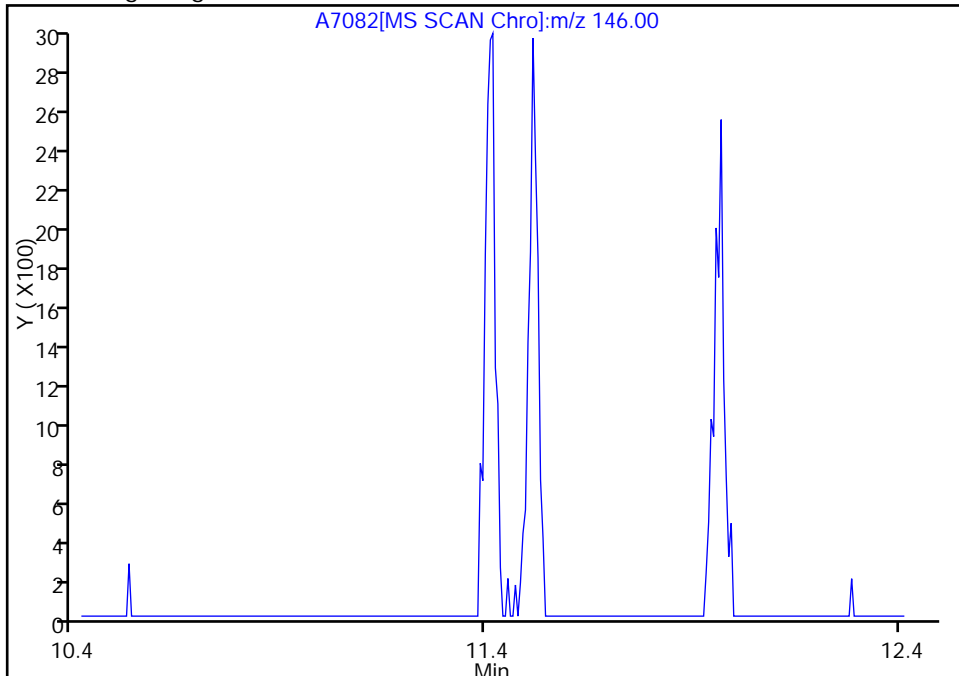
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

90 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.42

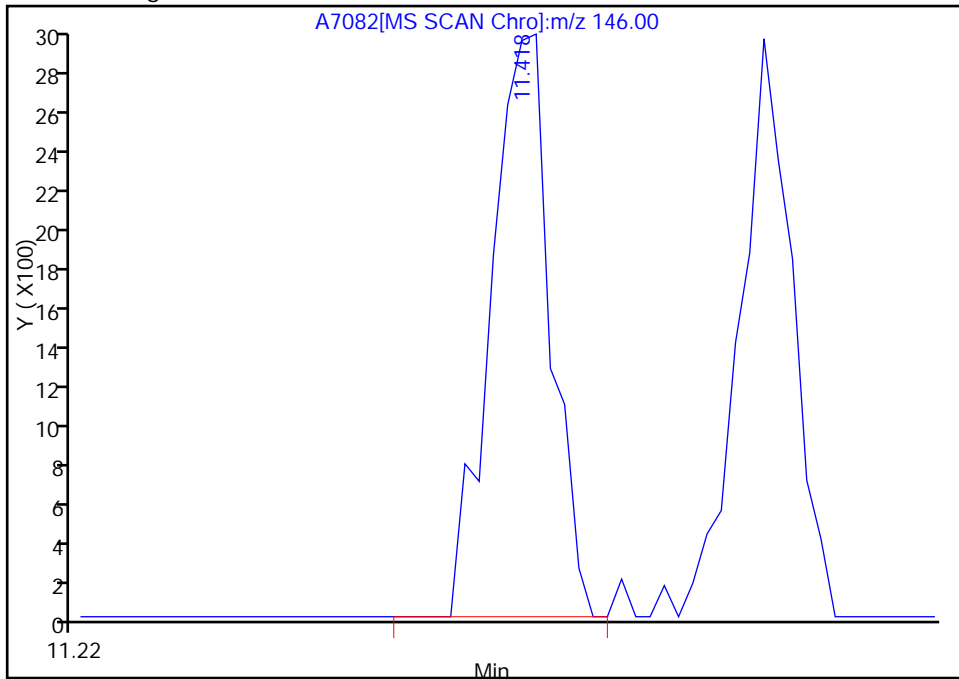
Not Detected  
Expected RT: 11.42

Processing Integration Results



Manual Integration Results

RT: 11.42  
Response: 5242  
Amount: 2.000000



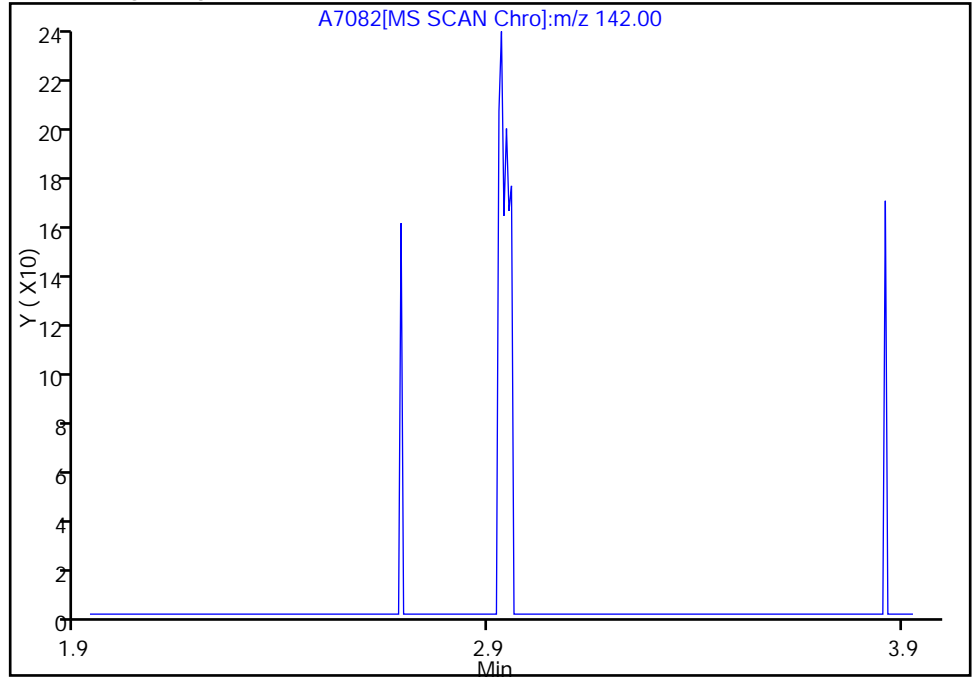
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

22 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.93

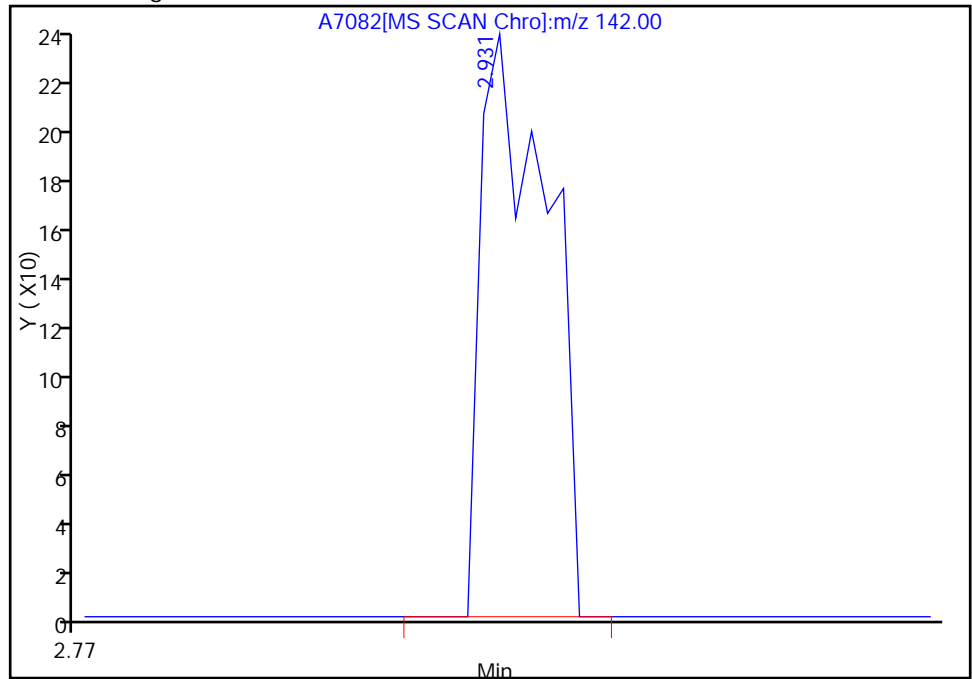
Not Detected  
Expected RT: 2.93

Processing Integration Results



Manual Integration Results

RT: 2.93  
Response: 411  
Amount: 2.000000



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D

Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

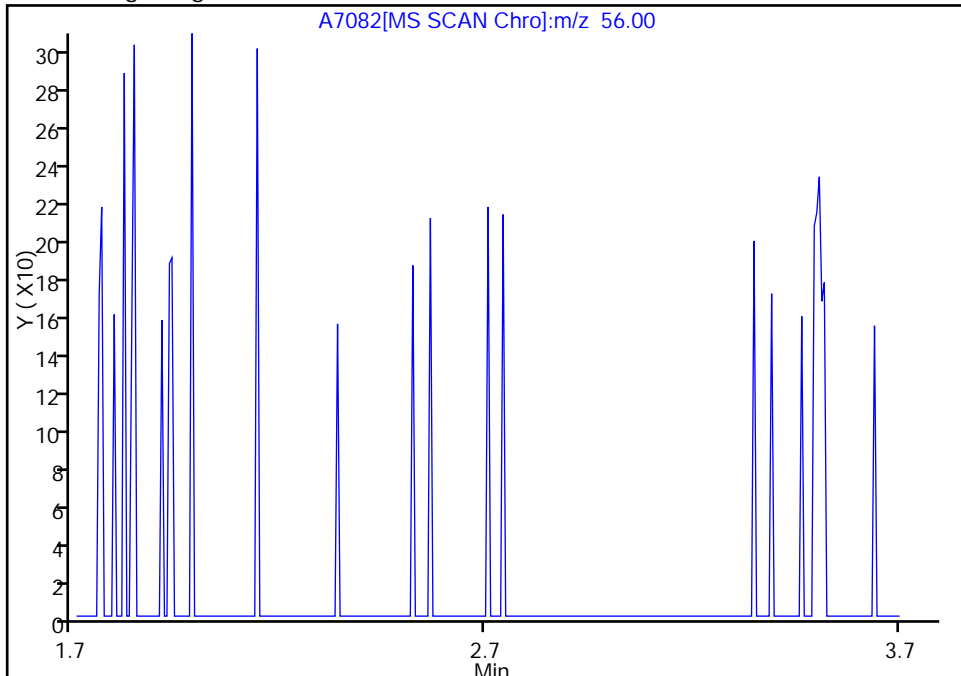
Lims Batch ID: 92688 Lims Sample ID: 3

Operator ID: JLH

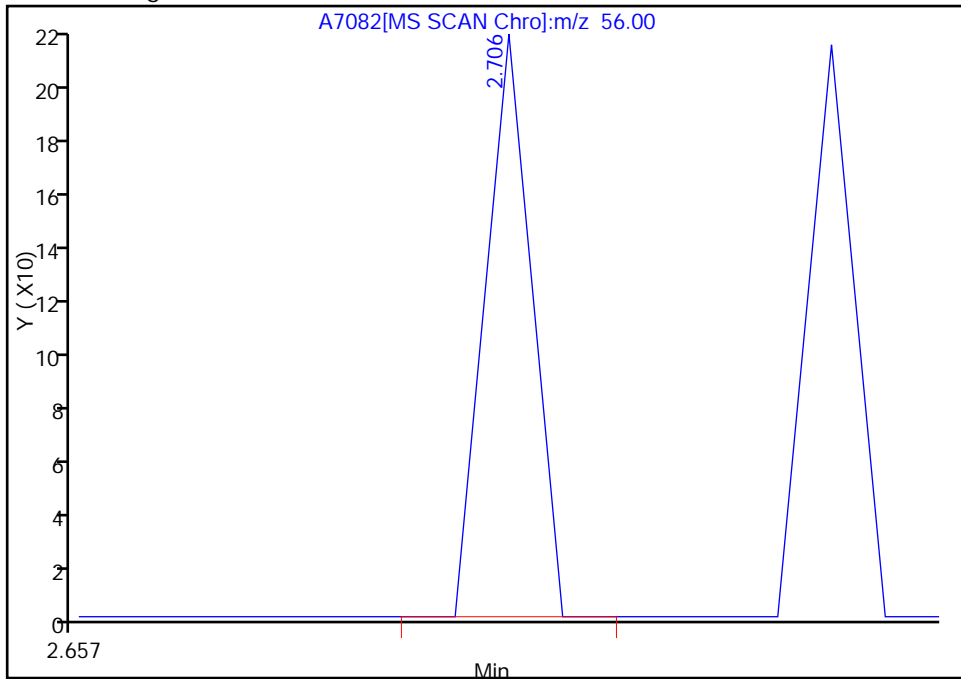
18 Acrolein, Signal: 1, m/z: 56.0 Type: quant, RT: 2.71

Not Detected  
Expected RT: 2.71

Processing Integration Results



Manual Integration Results



RT: 2.71  
Response: 79  
Amount: 2.008000

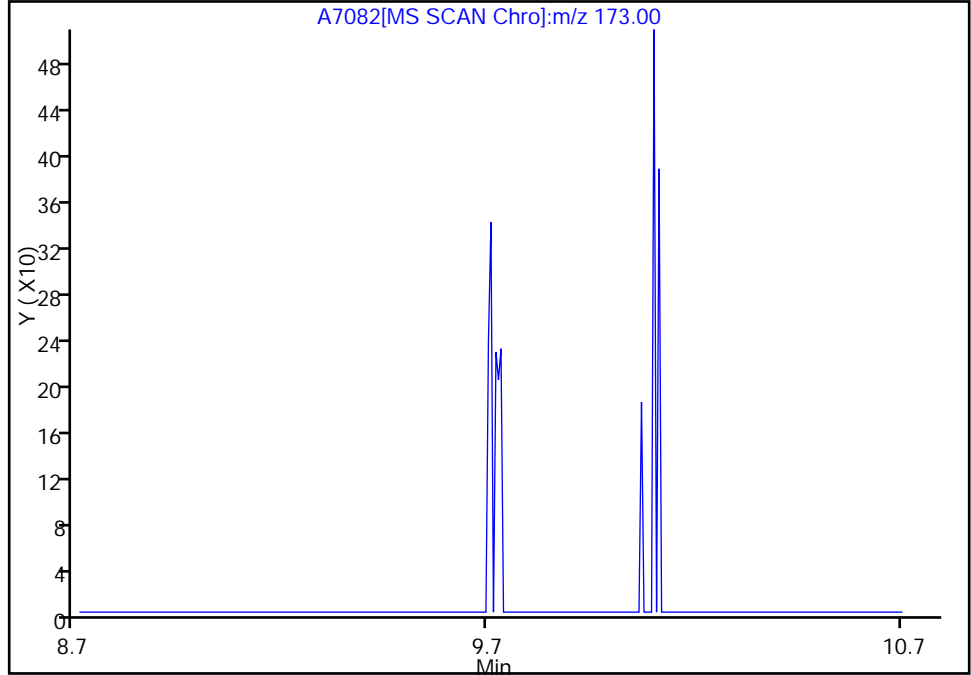
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

77 Bromoform, Signal: 1, m/z: 173.0 Type: quant, RT: 9.71

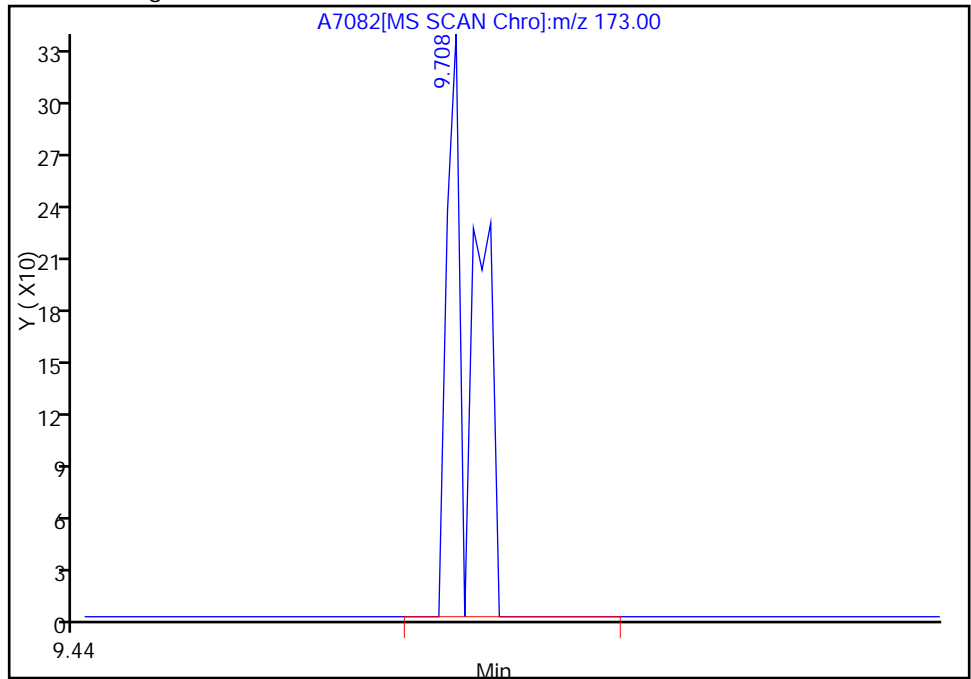
Not Detected  
Expected RT: 9.71

Processing Integration Results



RT: 9.71  
Response: 446  
Amount: 2.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D

Injection Date: 21-Jan-2012 09:16:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

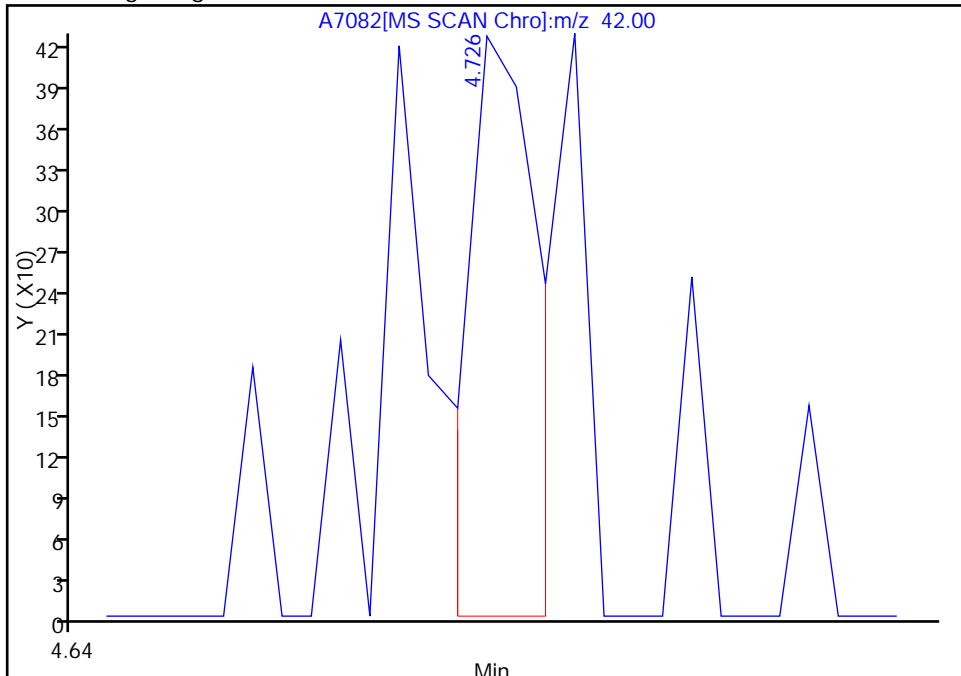
Lims Sample ID: 3

Operator ID: JLH

43 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 4.74

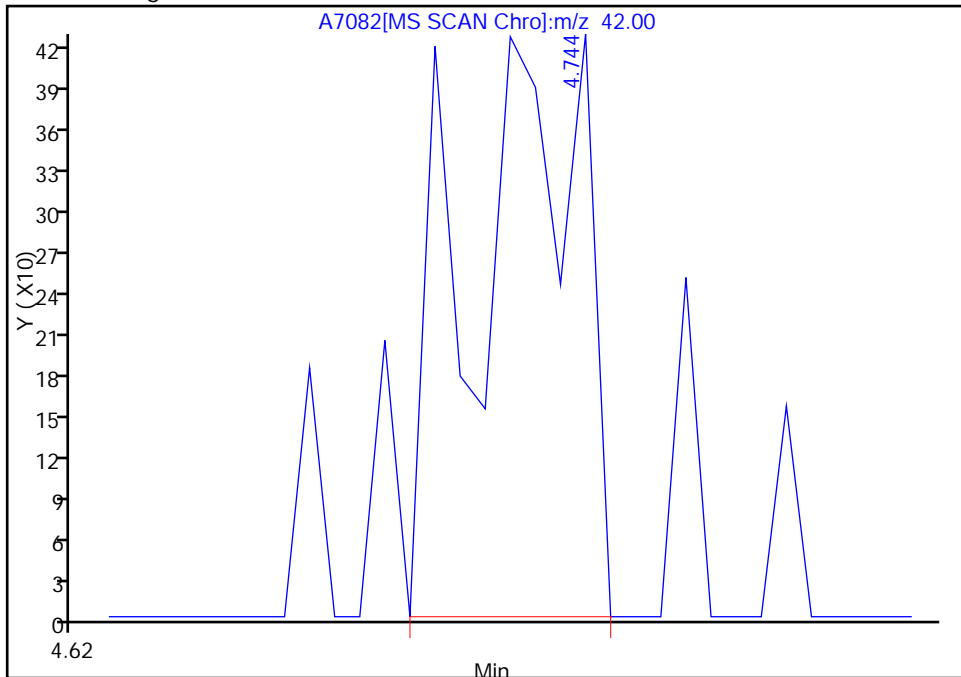
RT: 4.73  
Response: 440  
Amount: 2.000000

Processing Integration Results



RT: 4.74  
Response: 812  
Amount: 2.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

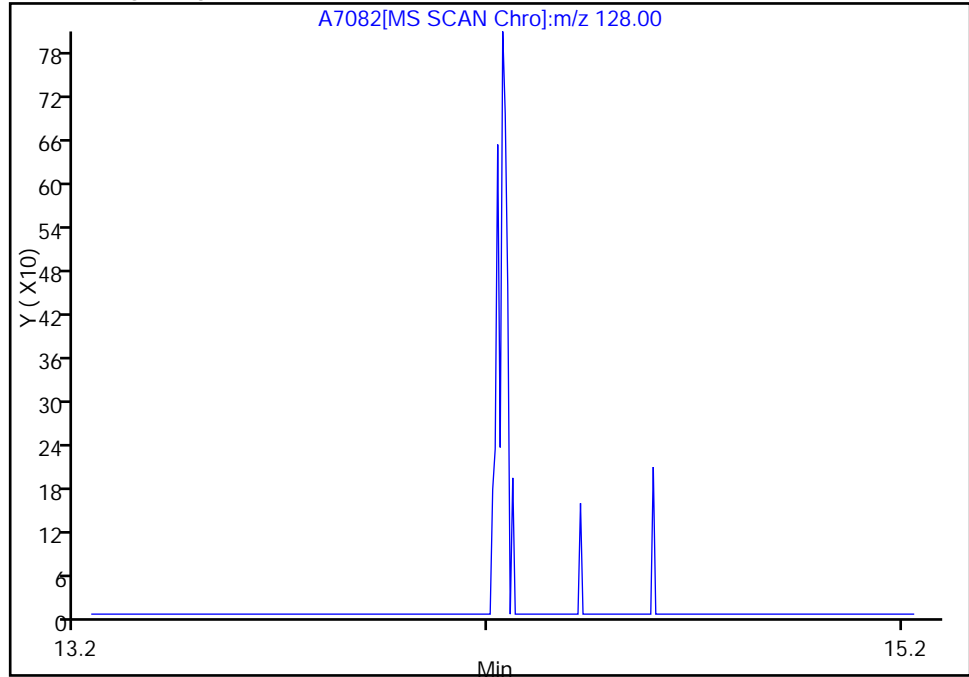


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

99 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 14.23

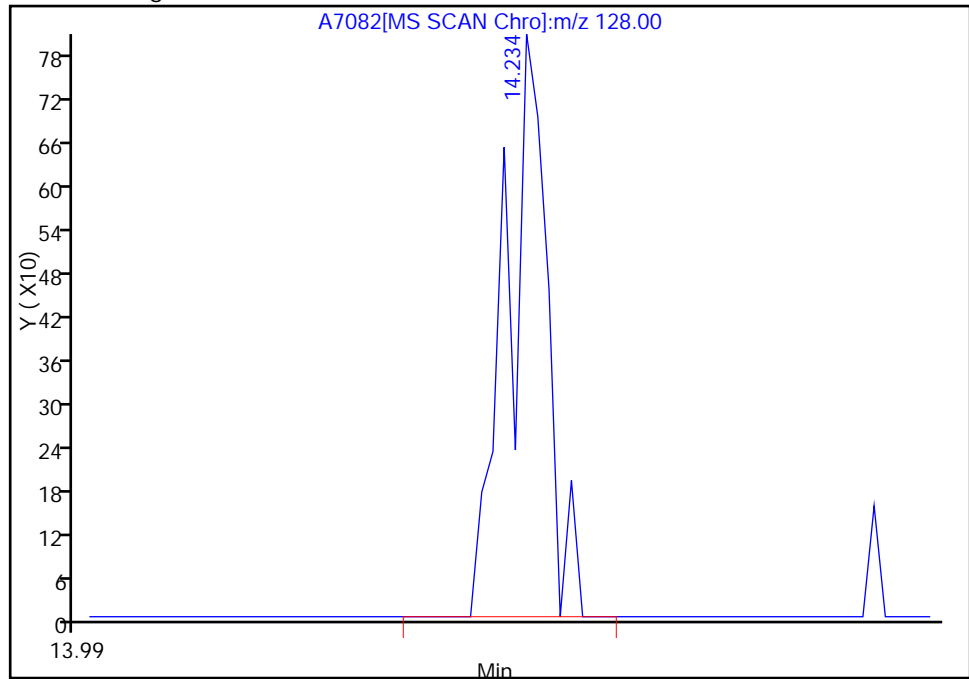
Not Detected  
Expected RT: 14.23

Processing Integration Results



RT: 14.23  
Response: 1245  
Amount: 2.000000

Manual Integration Results



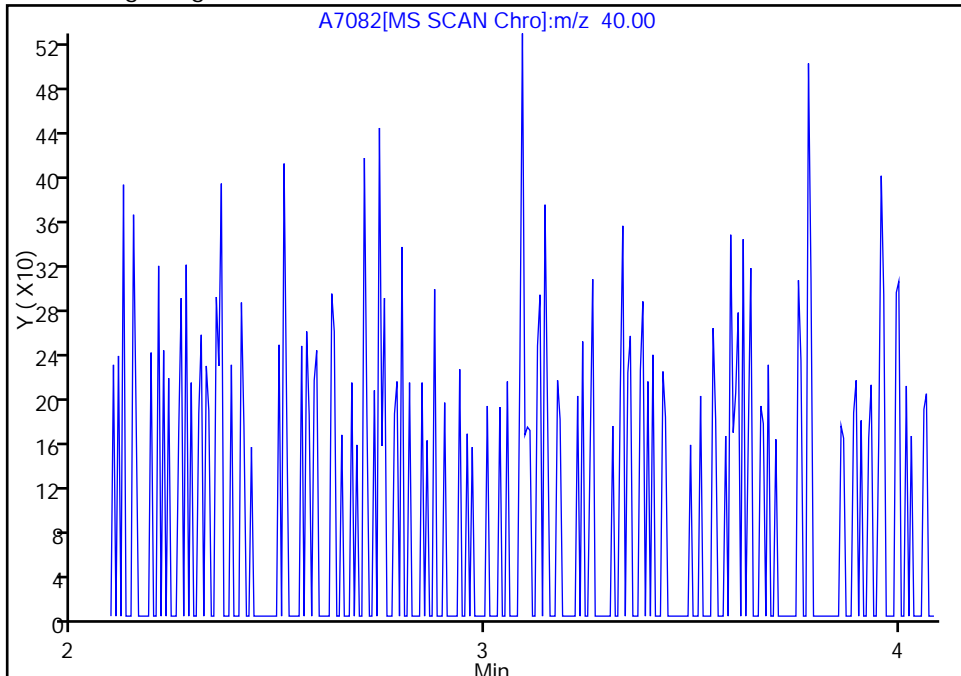
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsrv08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

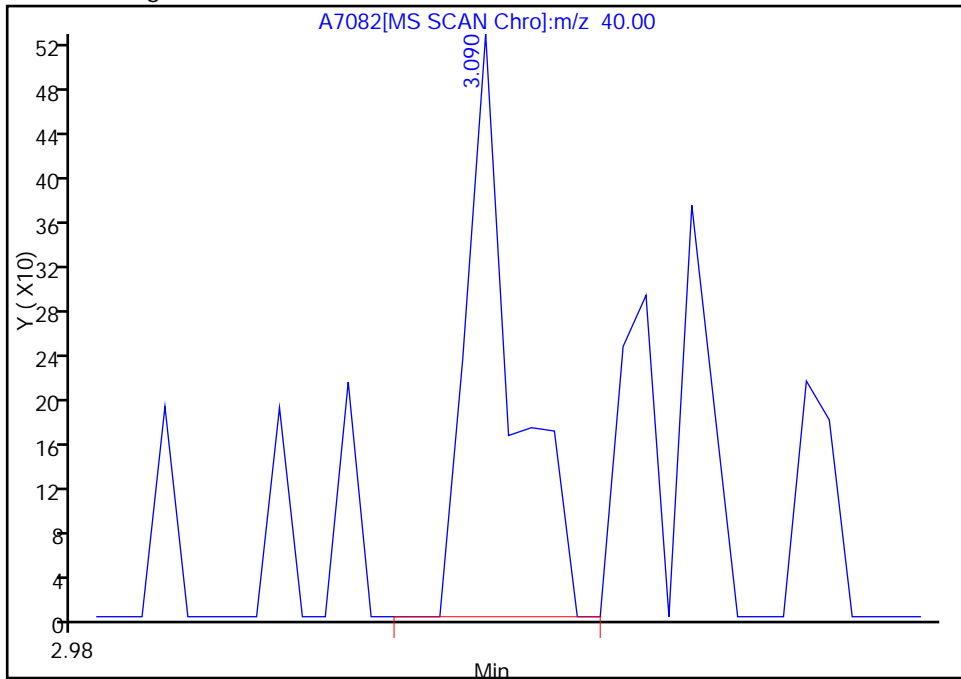
24 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.09

Not Detected  
Expected RT: 3.09

Processing Integration Results



Manual Integration Results



RT: 3.09  
Response: 458  
Amount: 2.000000

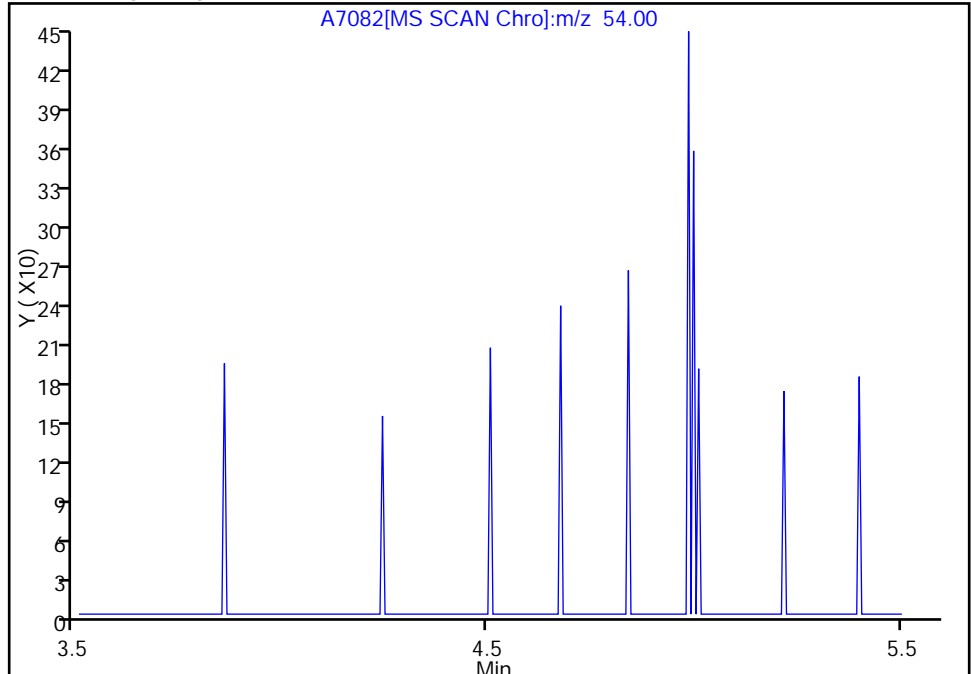
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

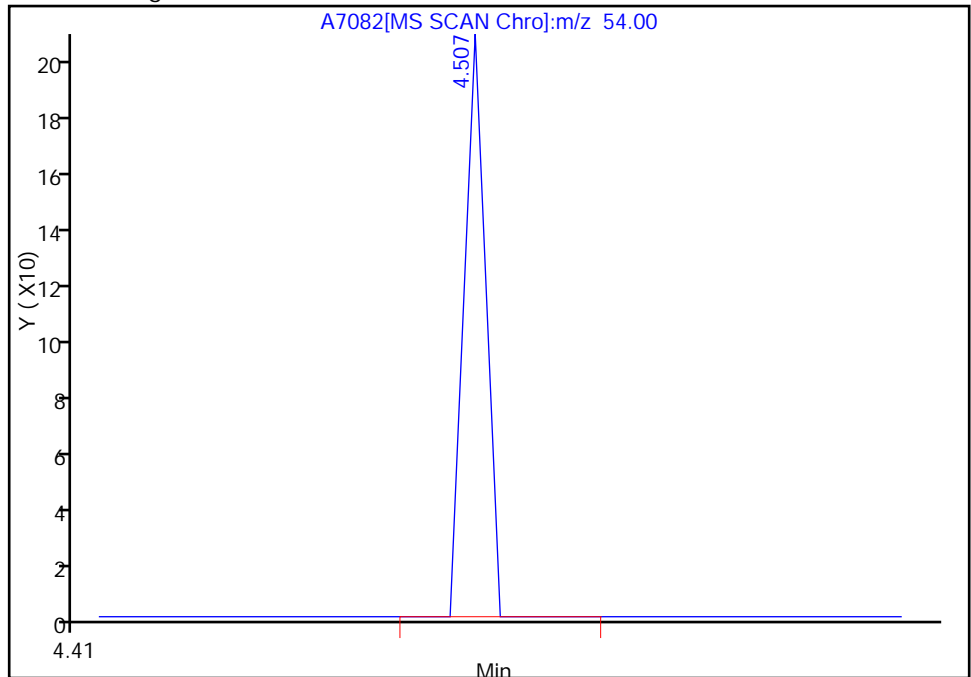
40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results



RT: 4.51  
Response: 74  
Amount: 2.000000

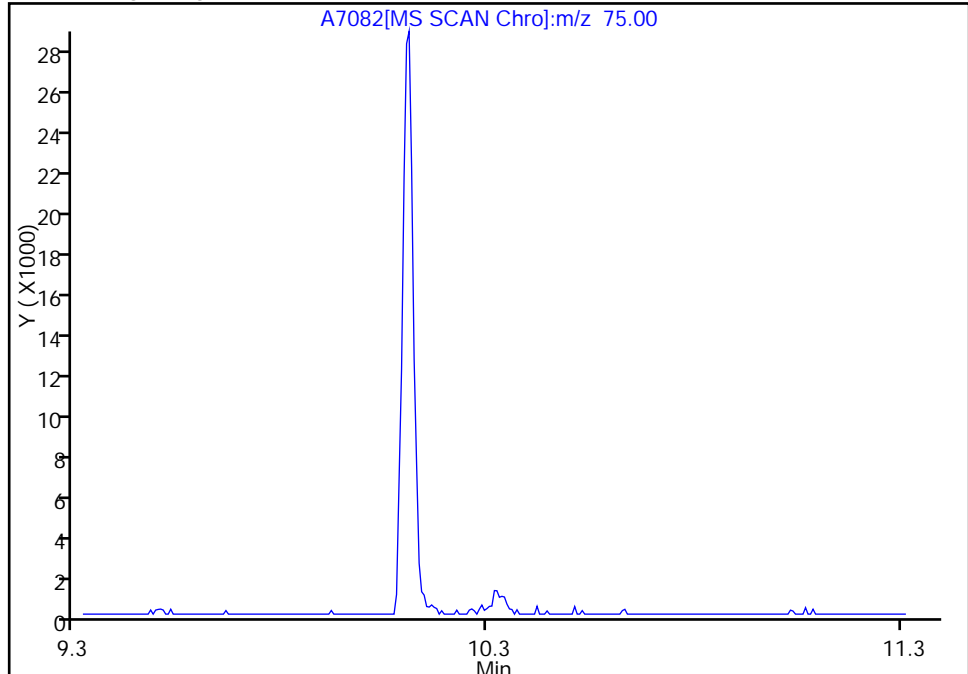
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

81 1,2,3-Trichloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 10.32

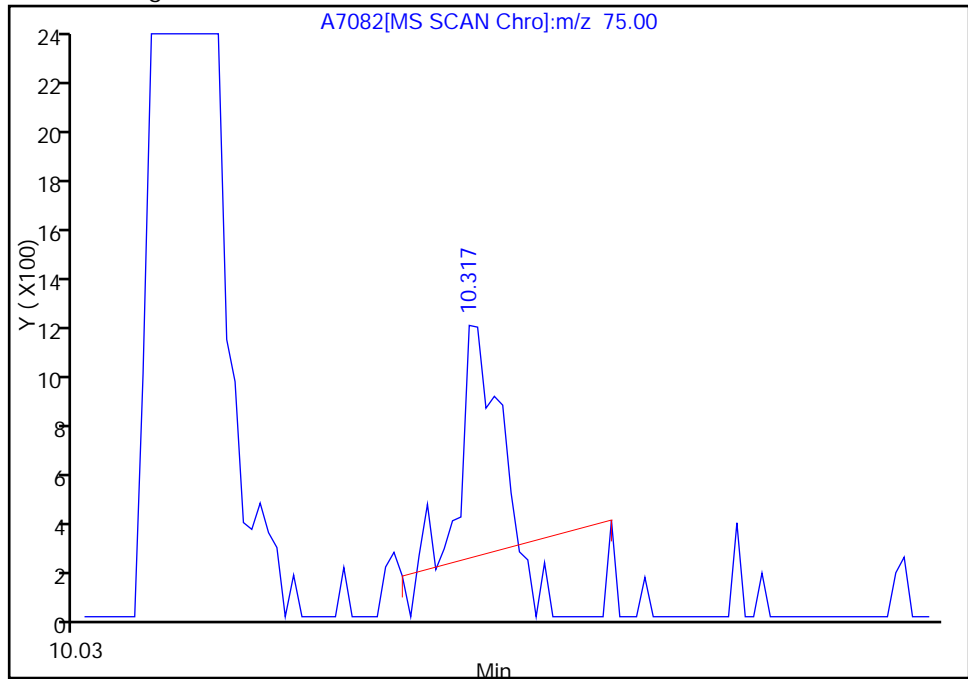
Not Detected  
Expected RT: 10.32

Processing Integration Results



RT: 10.32  
Response: 517  
Amount: 2.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D

Injection Date: 21-Jan-2012 09:16:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

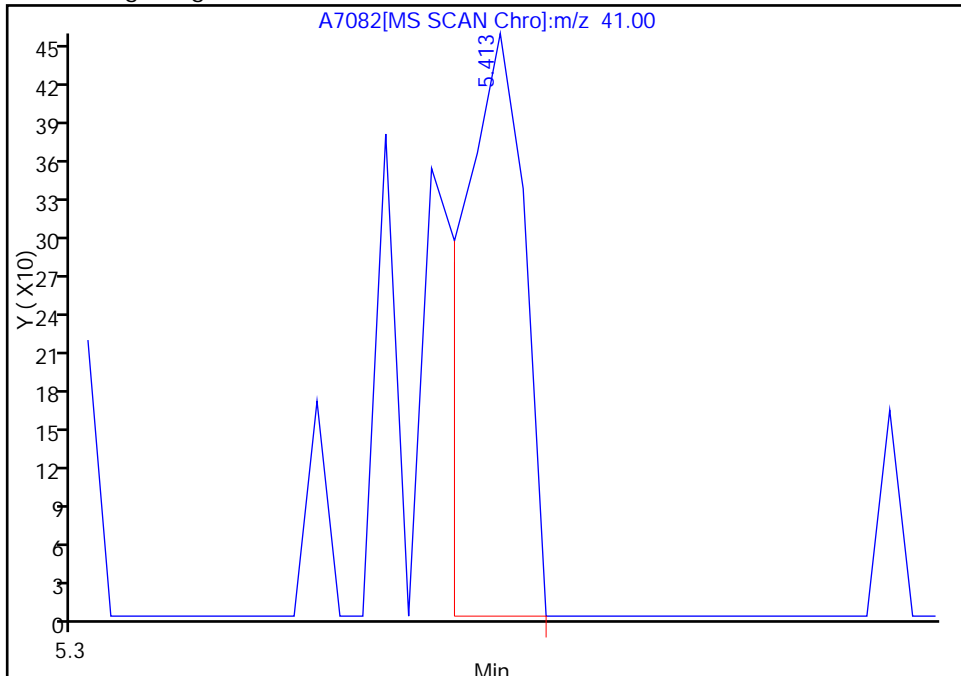
Lims Sample ID: 3

Operator ID: JLH

52 Isobutyl alcohol, Signal: 1, m/z: 41.0 Type: quant, RT: 5.41

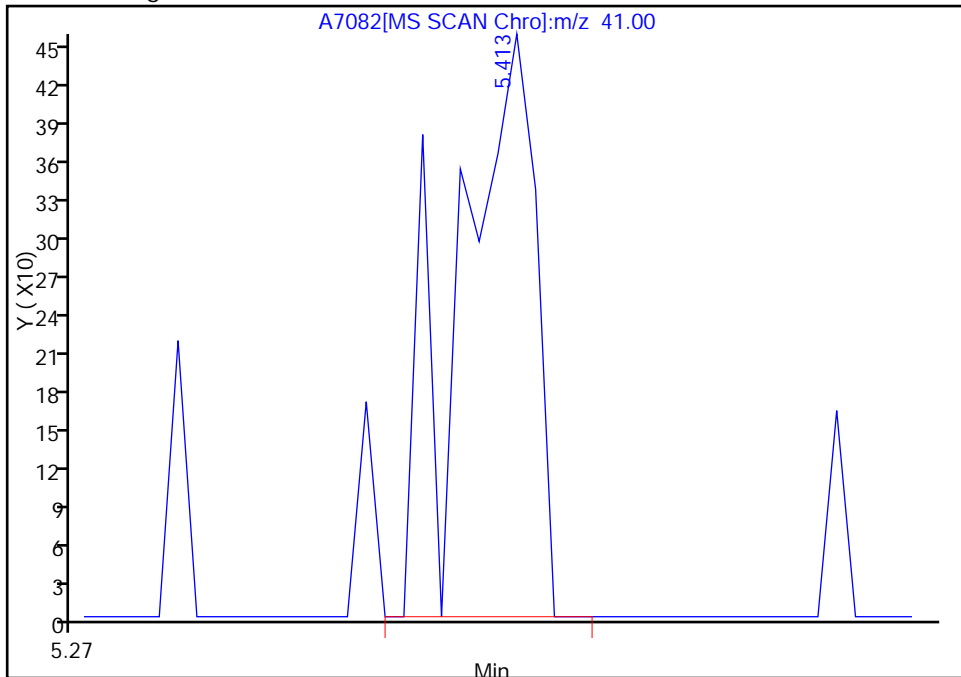
RT: 5.41  
Response: 530  
Amount: 2.000000

Processing Integration Results



RT: 5.41  
Response: 797  
Amount: 2.000000

Manual Integration Results



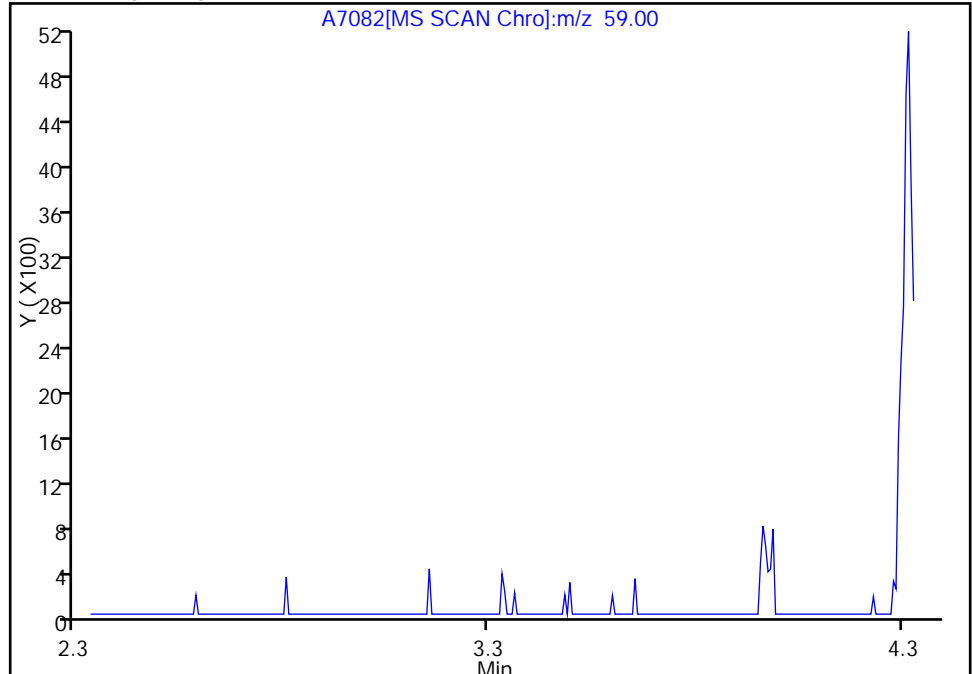
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

27 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 3.33

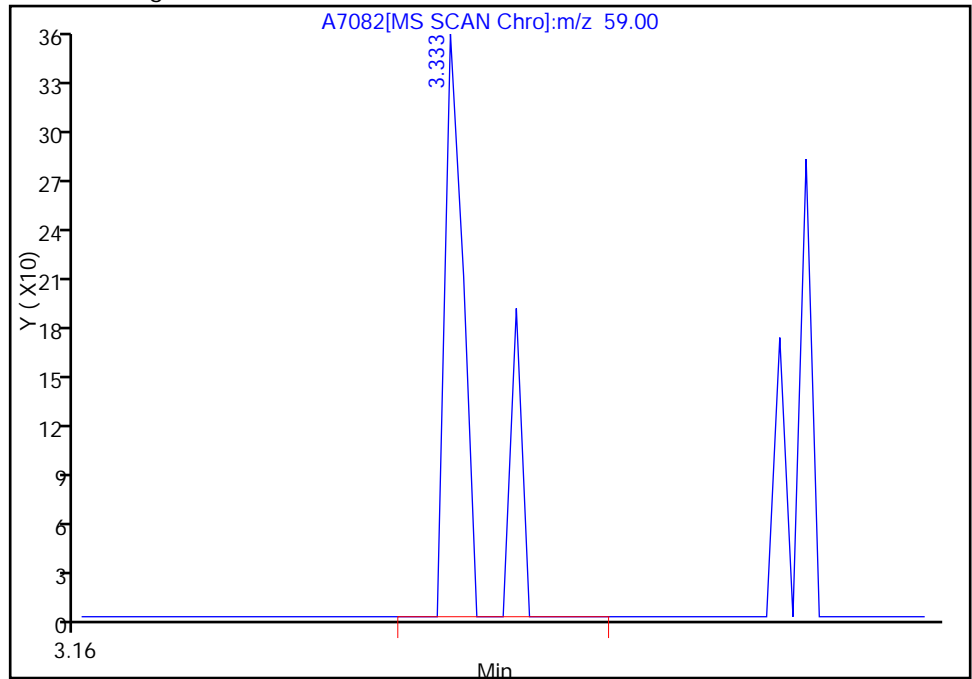
Not Detected  
Expected RT: 3.33

Processing Integration Results



Manual Integration Results

RT: 3.33  
Response: 277  
Amount: 8.000000



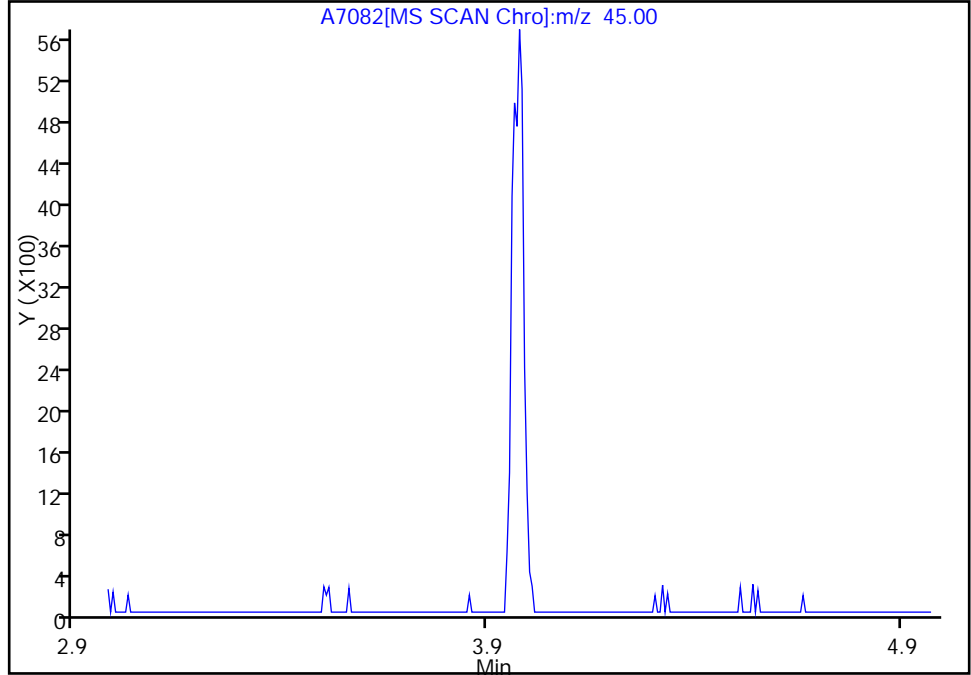
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.98

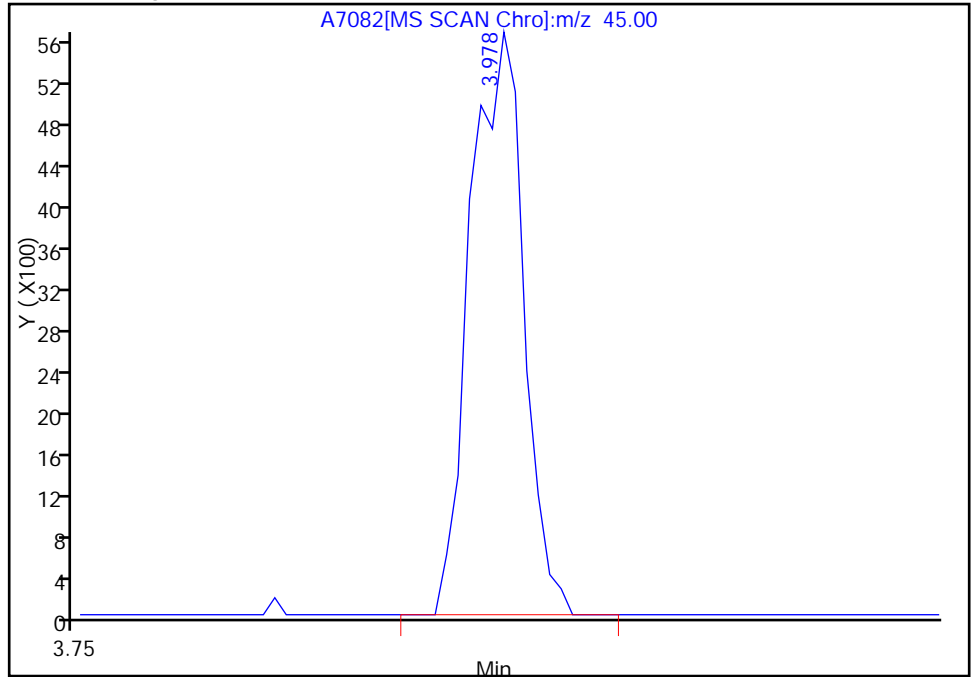
Not Detected  
Expected RT: 3.98

Processing Integration Results



Manual Integration Results

RT: 3.98  
Response: 11073  
Amount: 2.000000



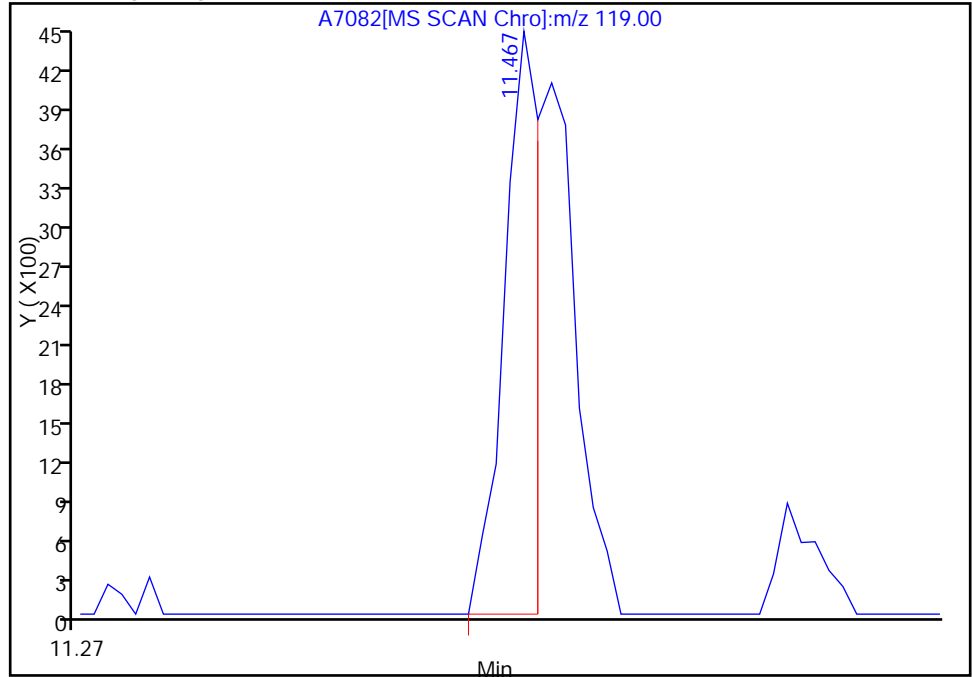
Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

91 4-Isopropyltoluene, Signal: 1, m/z: 119.0 Type: quant, RT: 11.47

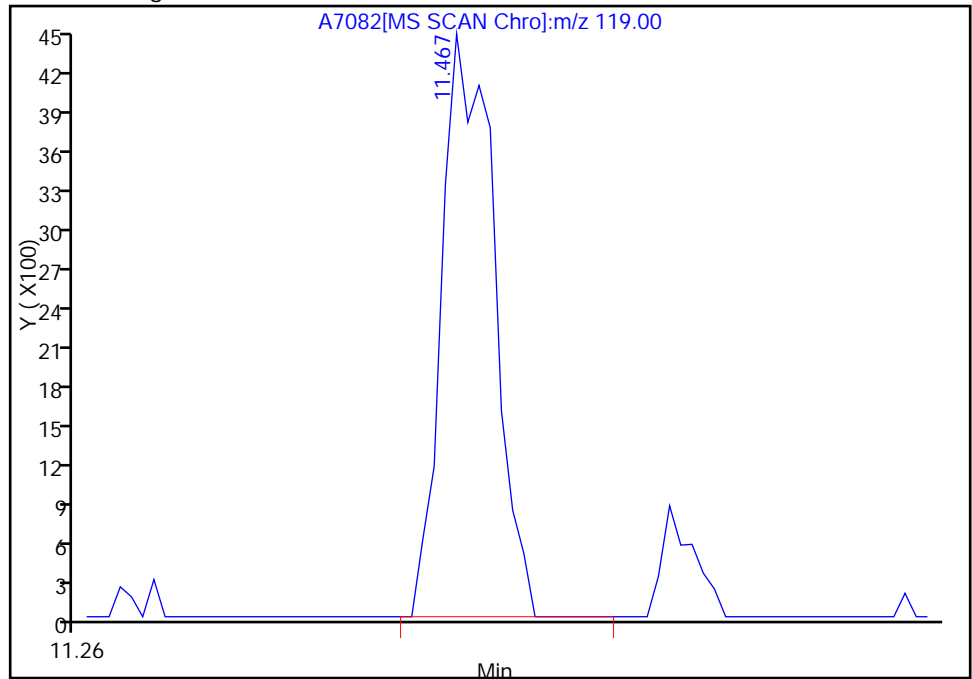
RT: 11.47  
Response: 4819  
Amount: 2.000000

Processing Integration Results



RT: 11.47  
Response: 8691  
Amount: 2.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

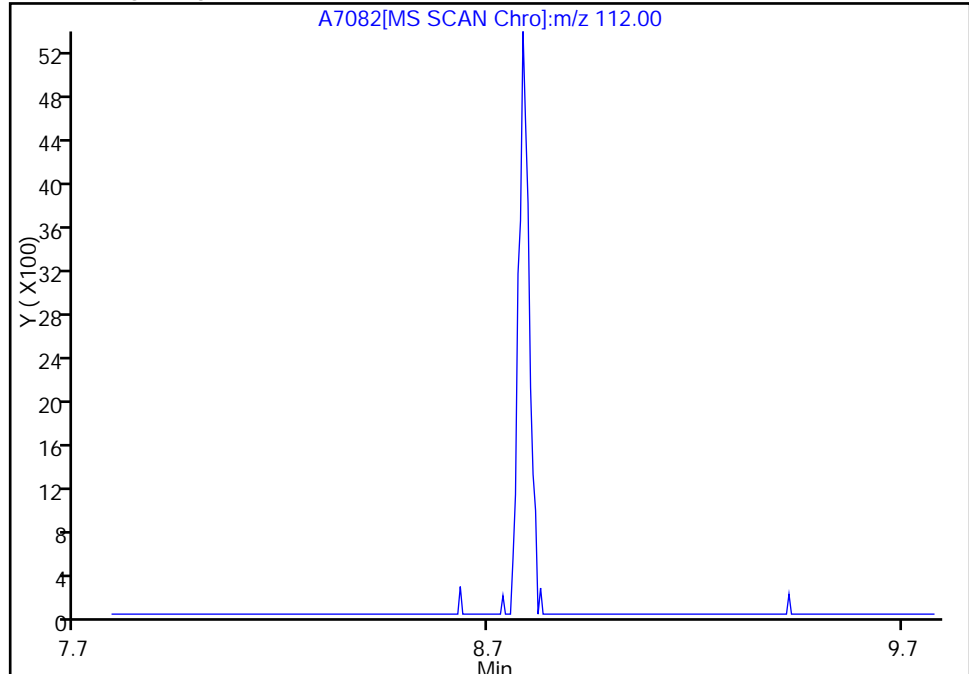


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7082.D  
Injection Date: 21-Jan-2012 09:16:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 3  
Operator ID: JLH

71 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.78

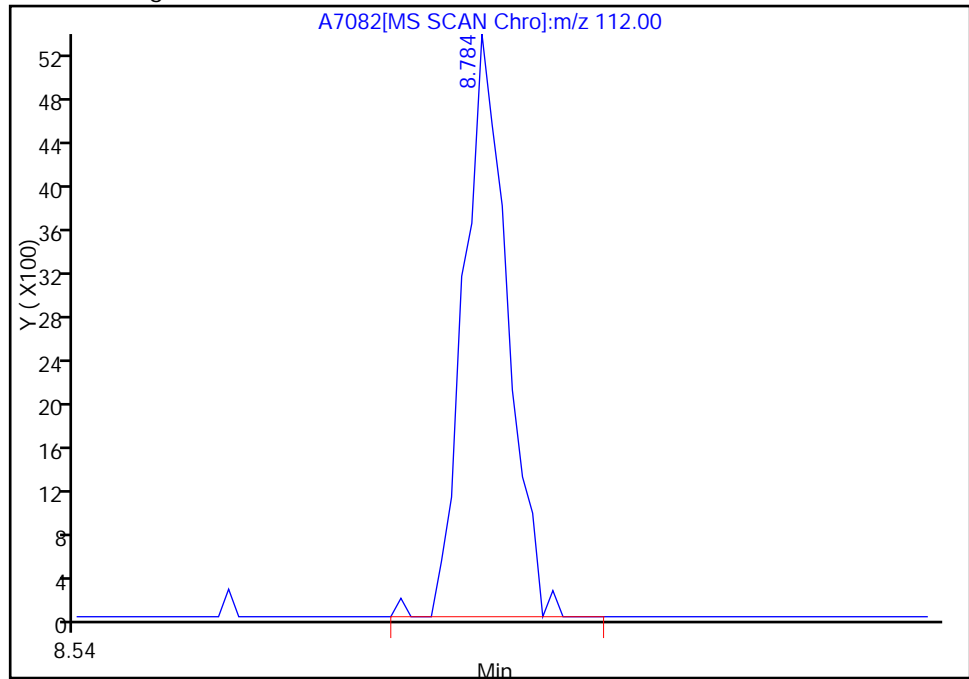
Not Detected  
Expected RT: 8.78

Processing Integration Results



Manual Integration Results

RT: 8.78  
Response: 9791  
Amount: 2.000000



Reviewer: hallj, 21-Jan-2012 09:53:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
 Lims ID: STD005 Client ID:  
 Inject. Date: 21-Jan-2012 09:47:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: STD005  
 Misc. Info.: 510-0006222-004 =510-0006222-004  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 3  
 Lims Batch ID: 92688 Lims Sample ID: 4  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 10:15:34 Calib Date: 21-Jan-2012 09:47:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 10:15:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.565	5.558	0.007	98	345368	50.0	
* 2 Chlorobenzene-d5	82	8.752	8.752	0.0	82	127497	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.484	11.490	-0.006	96	85432	50.0	
\$ 103 Dibromofluoromethane	113	4.902	4.895	0.007	0	86197	50.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.224	5.224	0.0	0	97200	49.8	
\$ 6 Toluene-d8 (Surr)	98	7.177	7.176	0.001	93	326690	50.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.109	10.109	0.0	80	109474	48.8	
11 Dichlorodifluoromethane	85	1.428	1.421	0.007	78	7388	5.00	
12 Chloromethane	50	1.580	1.580	0.0	74	6267	4.49	
13 Vinyl chloride	62	1.683	1.677	0.006	90	7861	4.48	
14 Bromomethane	94	1.982	1.975	0.007	33	1778	5.00	
15 Chloroethane	64	2.079	2.072	0.007	73	4579	5.00	
16 Trichlorofluoromethane	101	2.322	2.316	0.006	68	12409	5.00	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.602	2.596	0.006	61	8863	5.00	
18 Acrolein	56	2.699	2.706	-0.007	9	280	5.02	
19 1,1-Dichloroethene	61	2.803	2.796	0.007	88	8940	4.23	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.809	2.802	0.007	69	4038	5.00	
21 Acetone	43	2.845	2.845	0.0	62	1464	5.00	M
22 Iodomethane	142	2.937	2.931	0.006	52	899	4.72	
23 Carbon disulfide	76	3.004	3.003	0.001	94	12199	5.00	
24 Acetonitrile	40	3.077	3.077	0.0	0	583	5.00	M
25 Methyl acetate	43	3.156	3.149	0.007	54	3359	5.00	
26 Methylene Chloride	84	3.247	3.240	0.007	83	7895	5.00	
27 2-Methyl-2-propanol	59	3.350	3.350	0.0	0	699	20.3	M
28 Acrylonitrile	53	3.466	3.461	0.005	62	1115	4.77	
30 trans-1,2-Dichloroethene	61	3.509	3.502	0.006	86	10741	4.53	
29 Methyl tert-butyl ether	73	3.509	3.508	0.0	84	15145	5.13	
31 Hexane	57	3.776	3.776	0.0	70	4973	5.00	
32 1,1-Dichloroethane	63	3.898	3.891	0.007	62	12743	5.00	
33 Vinyl acetate	43	3.953	3.947	0.006	99	22453	9.03	

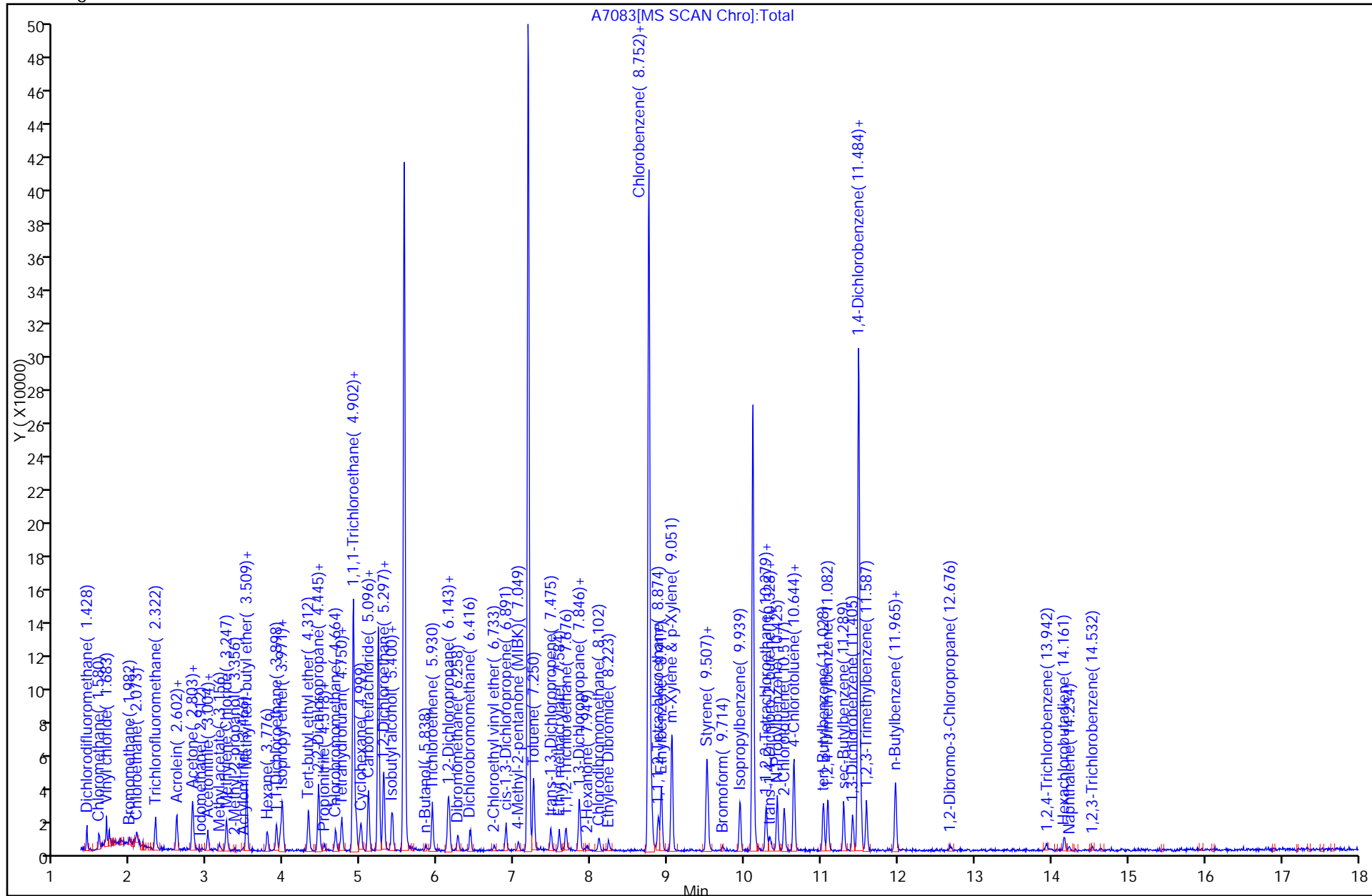
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.977	3.977	0.0	0	20650	5.00	M
35 Tert-butyl ethyl ether	59	4.318	4.311	0.007	93	19379	4.58	
39 2-Butanone (MEK)	43	4.451	4.451	0.0	12	1597	4.88	M
37 cis-1,2-Dichloroethene	61	4.445	4.445	0.0	89	12437	4.46	
36 2,2-Dichloropropane	77	4.458	4.458	0.0	0	10635	5.00	M
40 Butadiene	54	4.506	4.506	0.0	0	210	5.37	M
41 Propionitrile	54	4.506	4.506	0.0	0	210	5.22	M
38 Ethyl acetate	43	4.518	4.518	0.0	0	3454	5.00	
42 Chlorobromomethane	130	4.670	4.670	0.0	64	4298	5.00	
44 Chloroform	83	4.750	4.743	0.007	73	13131	4.10	
43 Tetrahydrofuran	42	4.725	4.744	-0.019	21	950	5.00	
45 1,1,1-Trichloroethane	97	4.932	4.932	0.0	79	11454	5.00	
46 Cyclohexane	56	4.999	4.992	0.007	72	6810	5.00	
48 1,1-Dichloropropene	75	5.096	5.090	0.006	79	9428	4.56	
47 Carbon tetrachloride	117	5.096	5.096	0.0	64	8600	5.00	
49 Benzene	78	5.291	5.291	0.0	92	27434	5.00	
50 1,2-Dichloroethane	62	5.297	5.297	0.0	46	10818	5.00	
51 Tert-amyl methyl ether	73	5.413	5.406	0.007	87	18249	4.87	
52 Isobutyl alcohol	41	5.407	5.413	-0.006	34	2448	5.00	
53 n-Butanol	56	5.851	5.851	0.0	0	1275	255.0	M
54 Trichloroethene	132	5.930	5.929	0.001	78	8220	4.86	
55 Methylcyclohexane	83	6.130	6.137	-0.007	82	6881	4.66	
56 1,2-Dichloropropane	63	6.143	6.148	-0.005	63	6301	4.06	
57 Dibromomethane	93	6.264	6.264	0.0	67	3577	5.00	
58 Dichlorobromomethane	83	6.416	6.416	0.0	0	8438	4.96	M
59 2-Chloroethyl vinyl ether	63	6.739	6.738	0.001	12	1397	10.0	
60 cis-1,3-Dichloropropene	75	6.891	6.884	0.007	64	8254	5.00	
61 4-Methyl-2-pentanone (MIBK)	43	7.055	7.049	0.006	63	3246	5.25	
62 Toluene	91	7.256	7.249	0.007	76	28656	4.05	
63 trans-1,3-Dichloropropene	75	7.469	7.475	-0.005	63	6672	4.67	
64 Ethyl methacrylate	69	7.584	7.584	0.0	72	5519	4.80	
65 1,1,2-Trichloroethane	83	7.670	7.669	0.001	62	3669	5.00	
66 Tetrachloroethene	166	7.840	7.840	0.0	76	5294	5.00	
67 1,3-Dichloropropane	76	7.852	7.852	0.0	74	8281	5.00	
68 2-Hexanone	43	7.956	7.956	0.0	23	2151	5.22	M
69 Chlorodibromomethane	129	8.108	8.101	0.007	40	4804	5.22	
70 Ethylene Dibromide	107	8.229	8.229	0.0	45	4712	4.99	
71 Chlorobenzene	112	8.789	8.784	0.005	44	19029	5.00	
72 1,1,1,2-Tetrachloroethane	131	8.874	8.874	0.0	60	6674	4.96	
73 Ethylbenzene	91	8.917	8.916	0.001	92	28006	4.53	
74 m-Xylene & p-Xylene	91	9.057	9.050	0.007	0	45592	9.27	
75 o-Xylene	91	9.501	9.506	-0.005	81	22927	5.00	
76 Styrene	104	9.525	9.525	0.0	0	16041	5.00	M
77 Bromoform	173	9.714	9.708	0.006	33	1155	5.16	
78 Isopropylbenzene	105	9.939	9.938	0.001	80	22469	5.00	
80 Bromobenzene	77	10.279	10.279	0.0	84	10494	4.73	
79 1,1,2,2-Tetrachloroethane	83	10.279	10.280	-0.001	21	3286	4.48	
81 1,2,3-Trichloropropane	75	10.328	10.317	0.011	14	3365	7.15	
82 trans-1,4-Dichloro-2-butene	53	10.334	10.334	0.0	1	1063	5.00	M
83 N-Propylbenzene	91	10.425	10.425	0.0	90	25562	5.00	
84 2-Chlorotoluene	91	10.511	10.516	-0.005	70	17767	4.76	
85 1,3,5-Trimethylbenzene	105	10.638	10.644	-0.006	81	18595	5.00	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.644	10.644	0.0	85	18473	5.00	
87 tert-Butylbenzene	119	11.028	11.027	0.001	68	17635	4.51	
88 1,2,4-Trimethylbenzene	105	11.089	11.082	0.006	52	18801	5.00	
89 sec-Butylbenzene	105	11.289	11.295	-0.006	71	21415	5.00	
90 1,3-Dichlorobenzene	146	11.405	11.418	-0.013	71	9854	5.00	
91 4-Isopropyltoluene	119	11.478	11.467	0.012	52	17456	5.00	
92 1,4-Dichlorobenzene	146	11.520	11.520	0.0	0	10356	4.66	M
93 1,2,3-Trimethylbenzene	105	11.587	11.587	0.0	0	17896	5.00	
94 1,2-Dichlorobenzene	146	11.965	11.964	0.001	57	7419	5.00	
95 n-Butylbenzene	91	11.971	11.970	0.001	79	15589	4.69	
96 1,2-Dibromo-3-Chloropropane	157	12.889	12.889	0.0	0	268	5.00	M
97 1,2,4-Trichlorobenzene	180	13.923	13.923	0.0	1	2084	5.00	M
98 Hexachlorobutadiene	225	14.167	14.166	0.001	7	1961	5.21	
99 Naphthalene	128	14.234	14.234	0.0	0	2625	4.48	M
100 1,2,3-Trichlorobenzene	180	14.538	14.538	0.0	0	810	5.00	M
S 102 Total 1,2-dichloroethene	100				0		8.99	
S 101 Xylenes, Total	100				0		14.3	

## QC Flag Legend

Review Flags

M - Manually Integrated



Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D

Injection Date: 21-Jan-2012 09:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

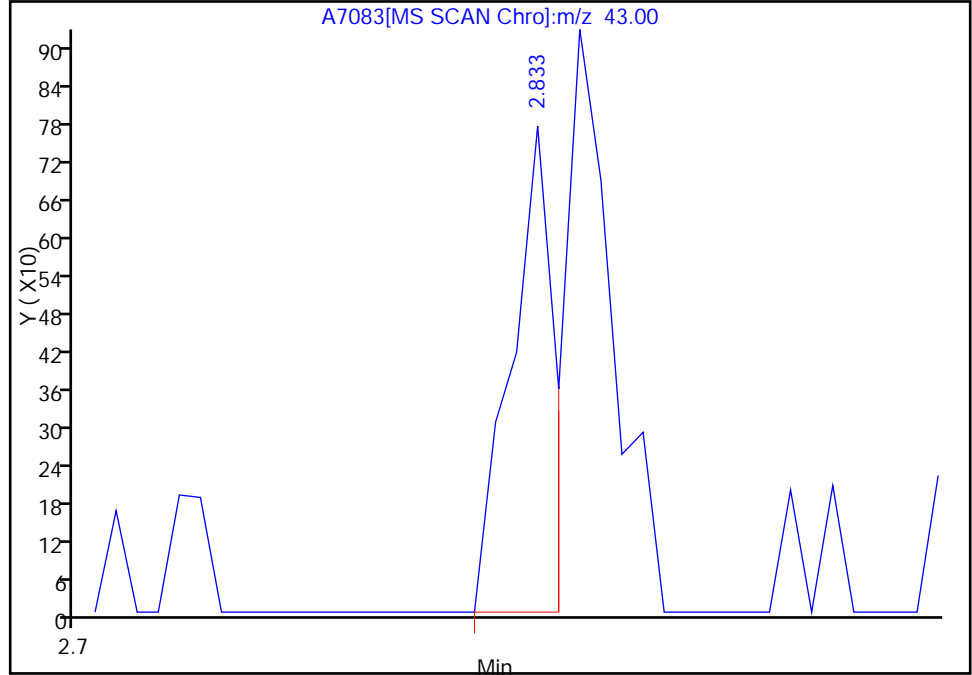
Lims Sample ID: 4

Operator ID: JLH

21 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 2.85

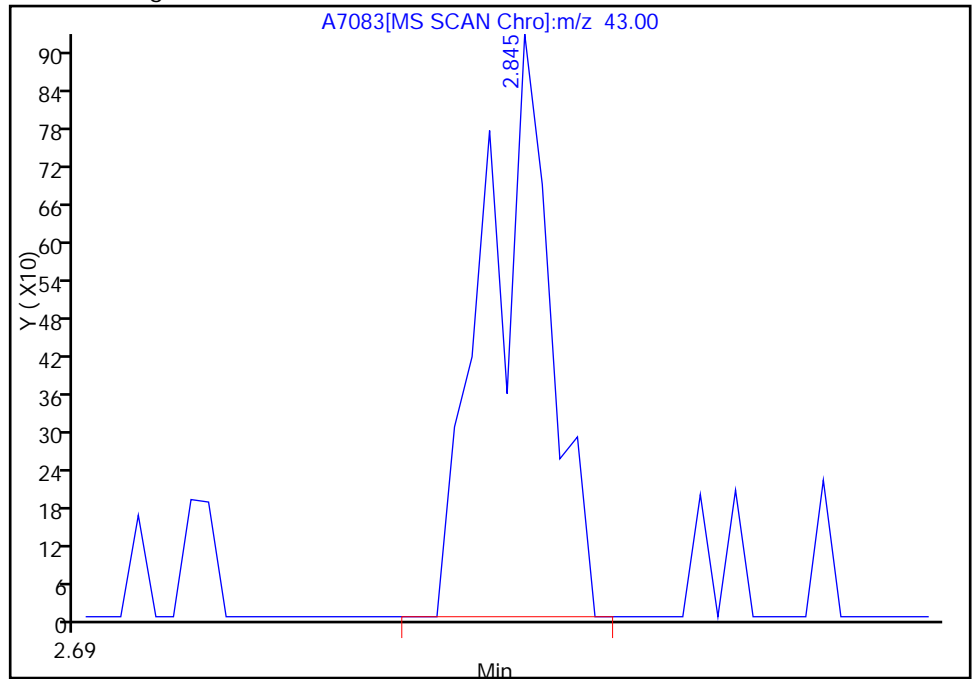
RT: 2.83  
Response: 675  
Amount: 1.891655

Processing Integration Results



RT: 2.85  
Response: 1464  
Amount: 5.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 10:15:34

Audit Action: Manually Integrated

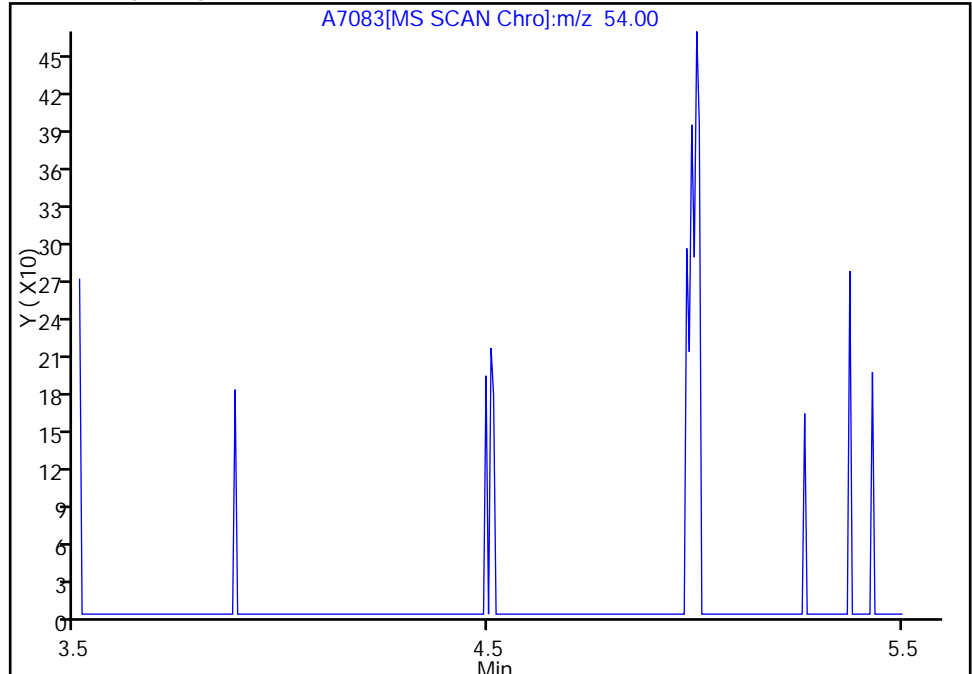
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

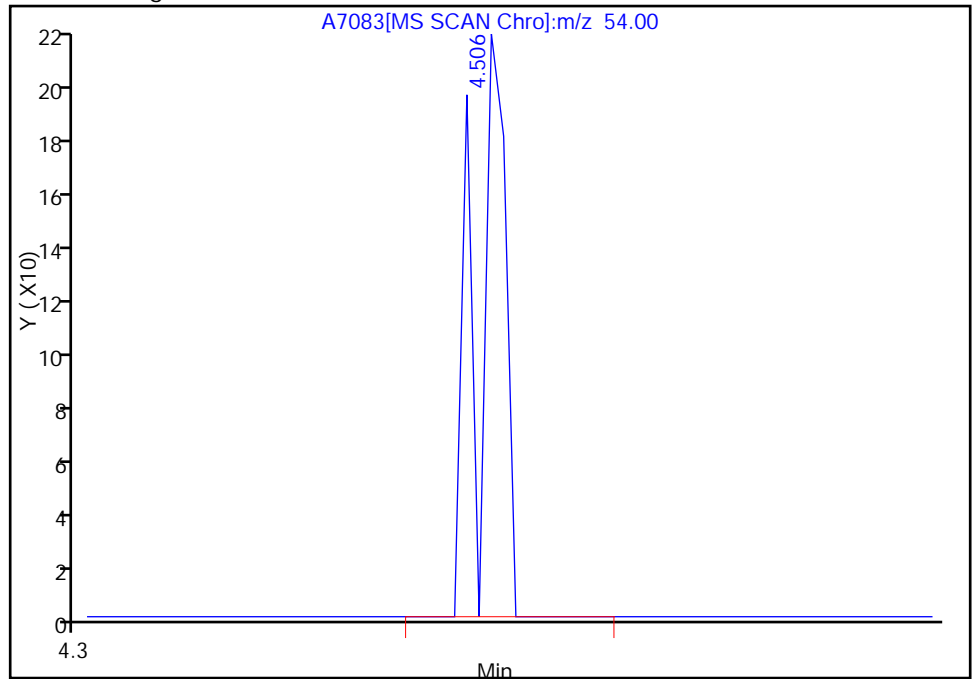
Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51  
Response: 210  
Amount: 5.371059



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D

Injection Date: 21-Jan-2012 09:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

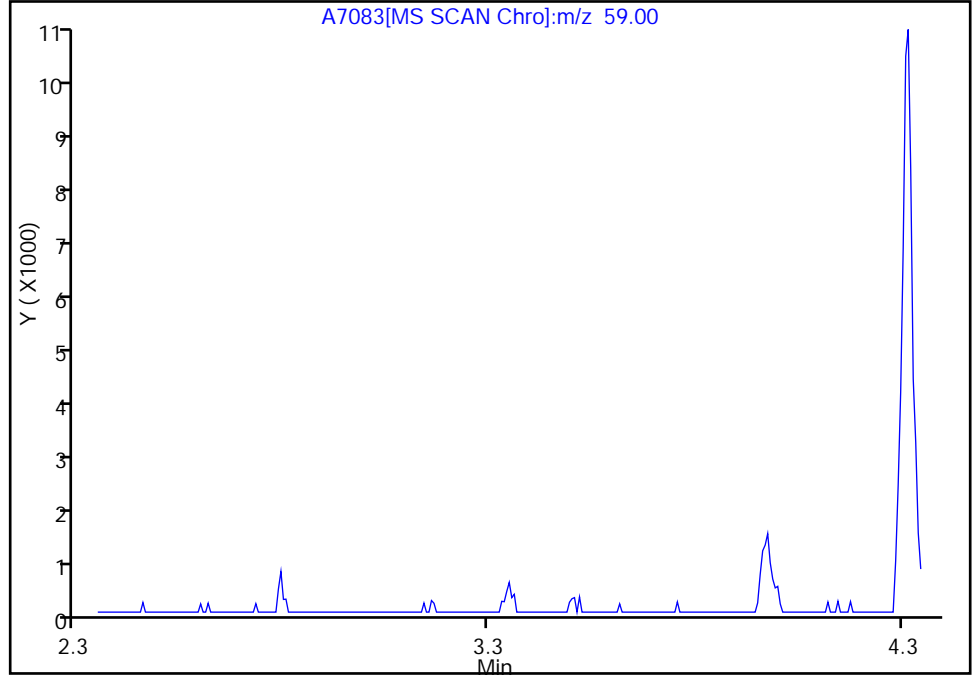
Lims Sample ID: 4

Operator ID: JLH

27 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 3.35

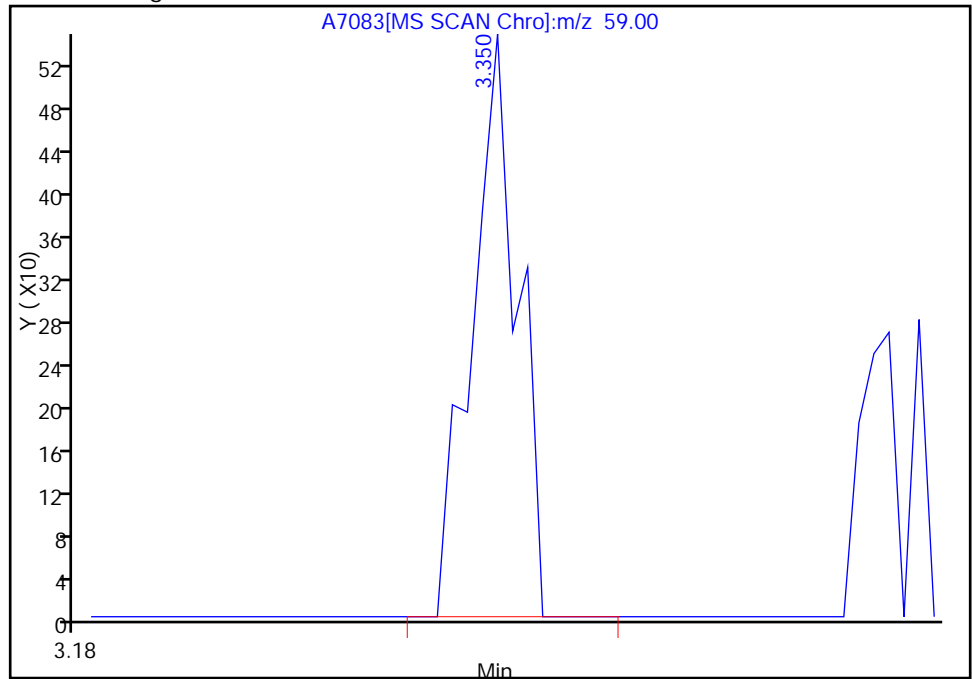
Not Detected  
Expected RT: 3.35

Processing Integration Results



RT: 3.35  
Response: 699  
Amount: 20.312853

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

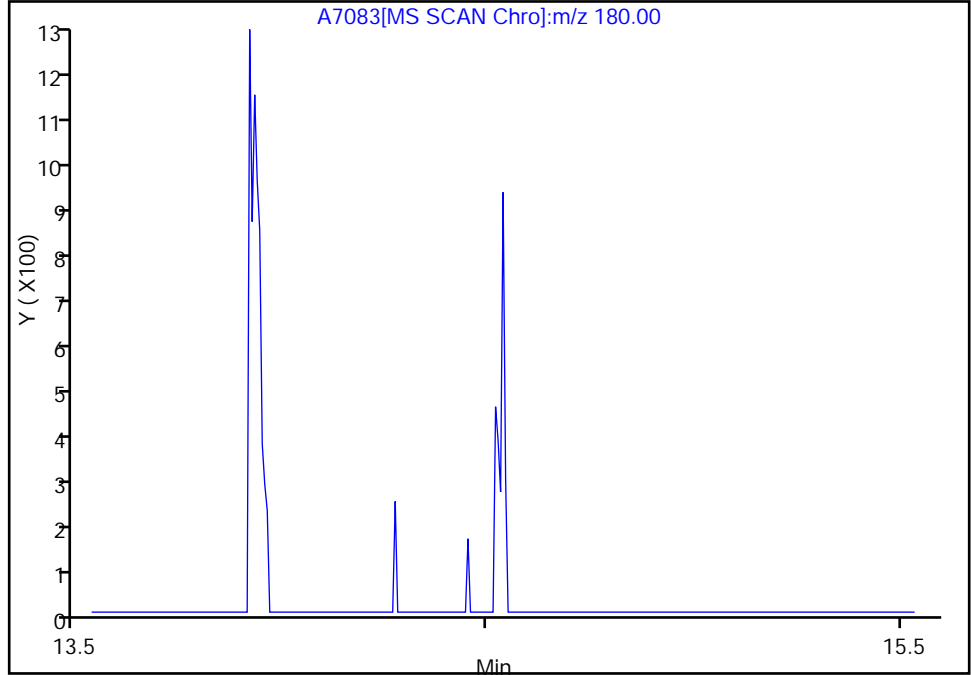


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

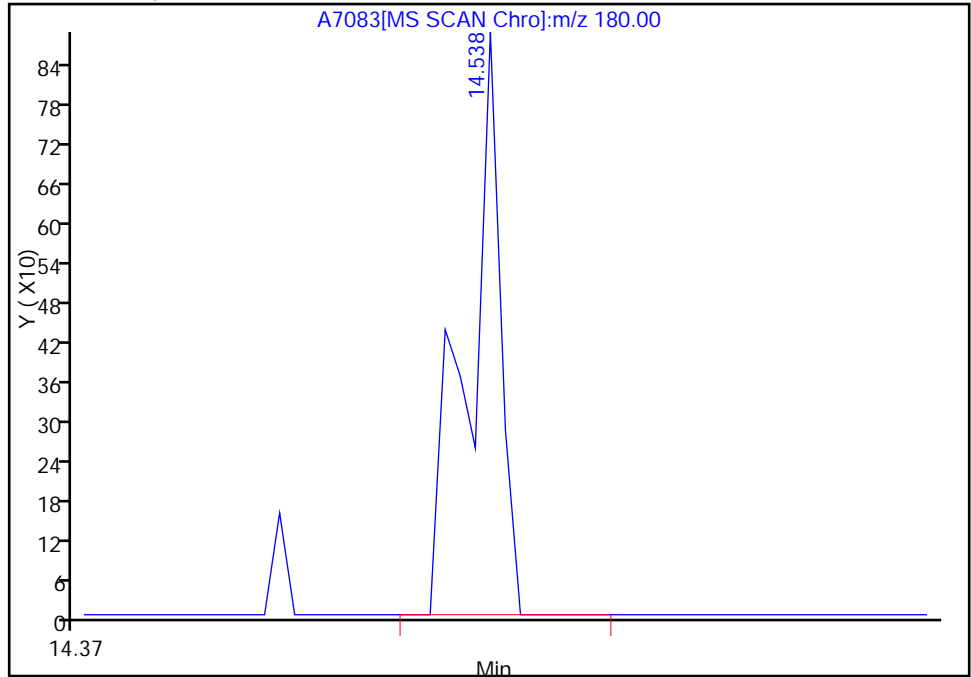
100 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 14.54

Not Detected  
Expected RT: 14.54

Processing Integration Results



Manual Integration Results



RT: 14.54  
Response: 810  
Amount: 5.000000

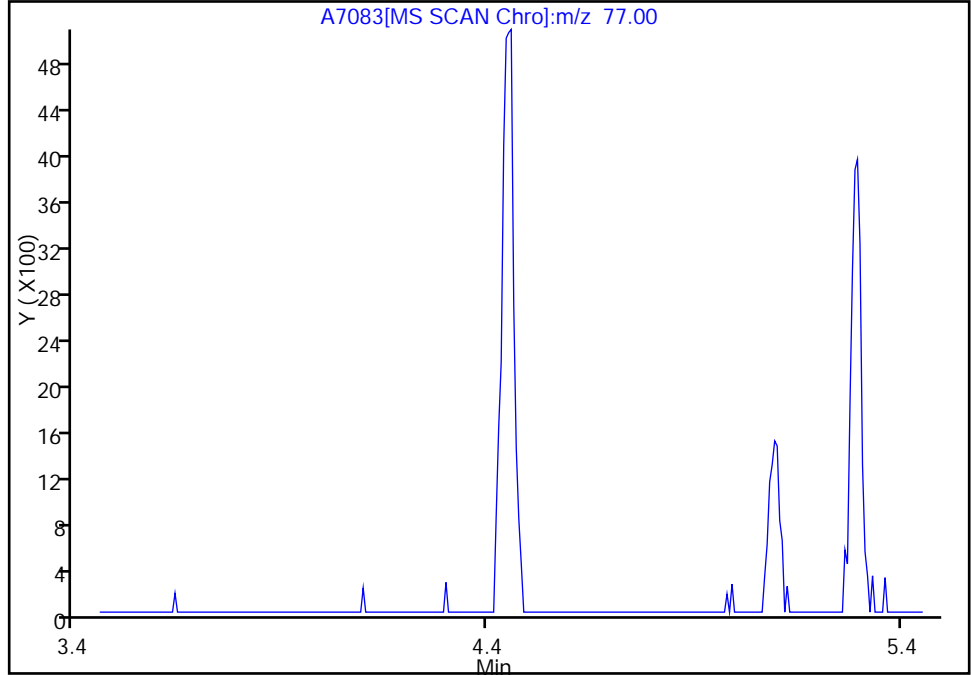
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

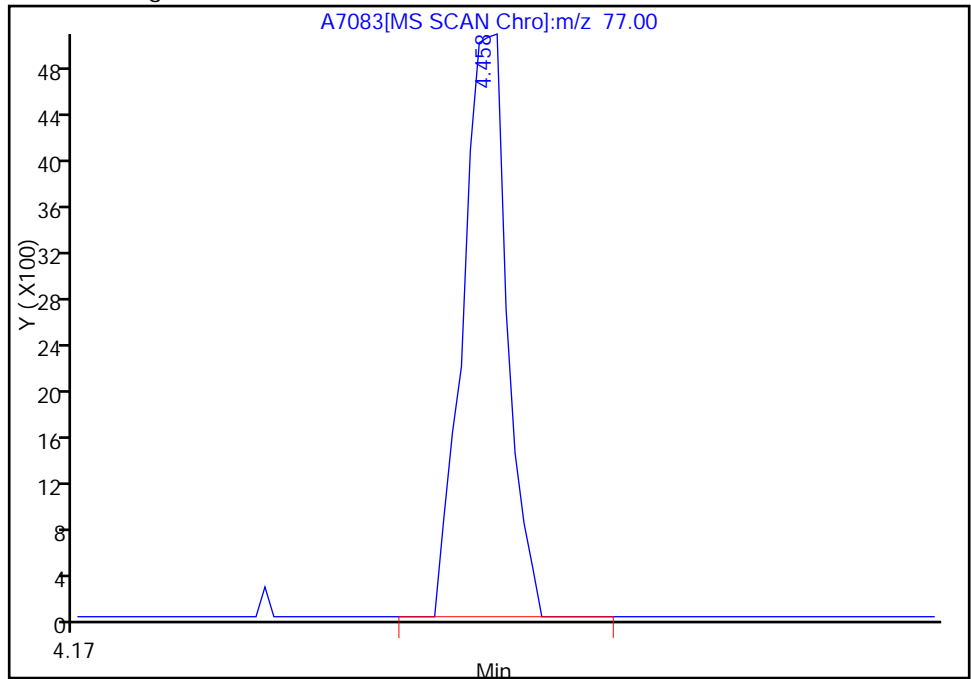
36 2,2-Dichloropropane, Signal: 1, m/z: 77.0 Type: quant, RT: 4.46

Not Detected  
Expected RT: 4.46

Processing Integration Results



Manual Integration Results



RT: 4.46  
Response: 10635  
Amount: 5.000000

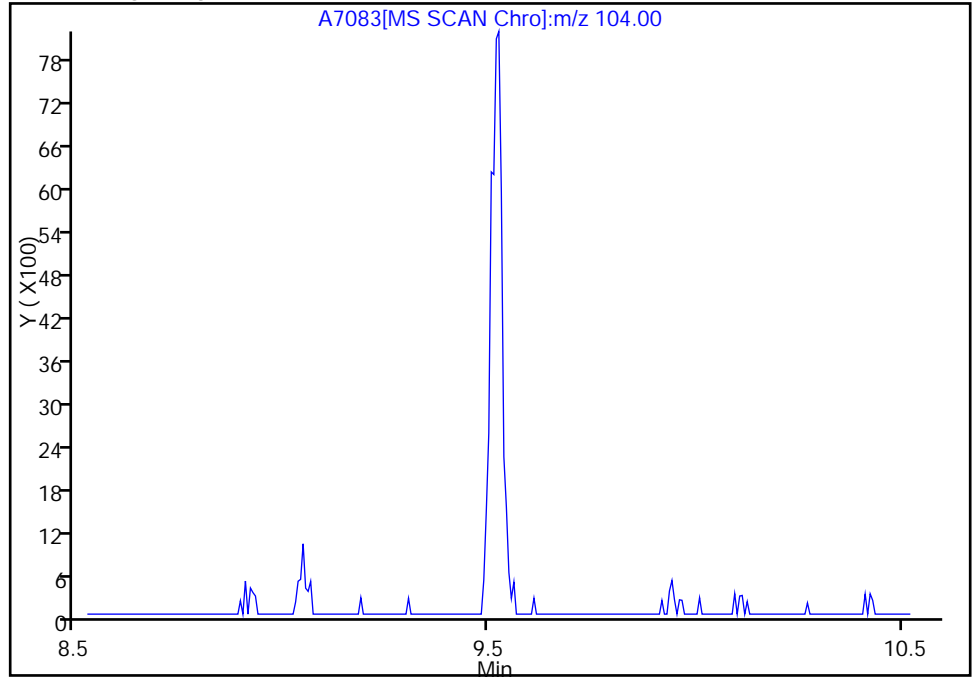
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

76 Styrene, Signal: 1, m/z: 104.0 Type: quant, RT: 9.53

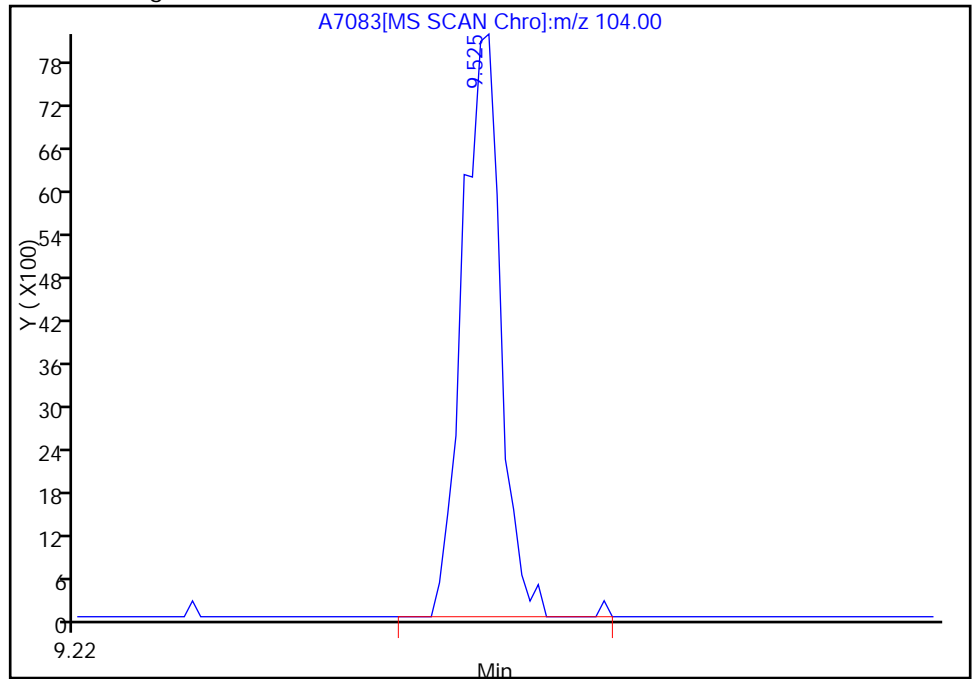
Not Detected  
Expected RT: 9.53

Processing Integration Results



Manual Integration Results

RT: 9.53  
Response: 16041  
Amount: 5.000000



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D

Injection Date: 21-Jan-2012 09:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

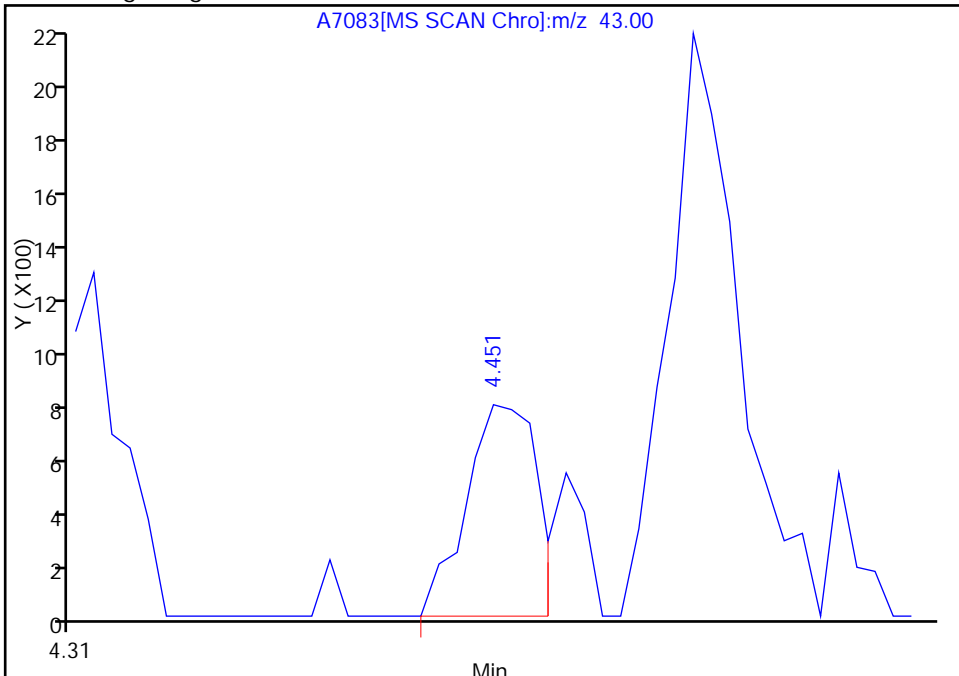
Lims Sample ID: 4

Operator ID: JLH

39 2-Butanone (MEK), Signal: 1, m/z: 43.0 Type: quant, RT: 4.45

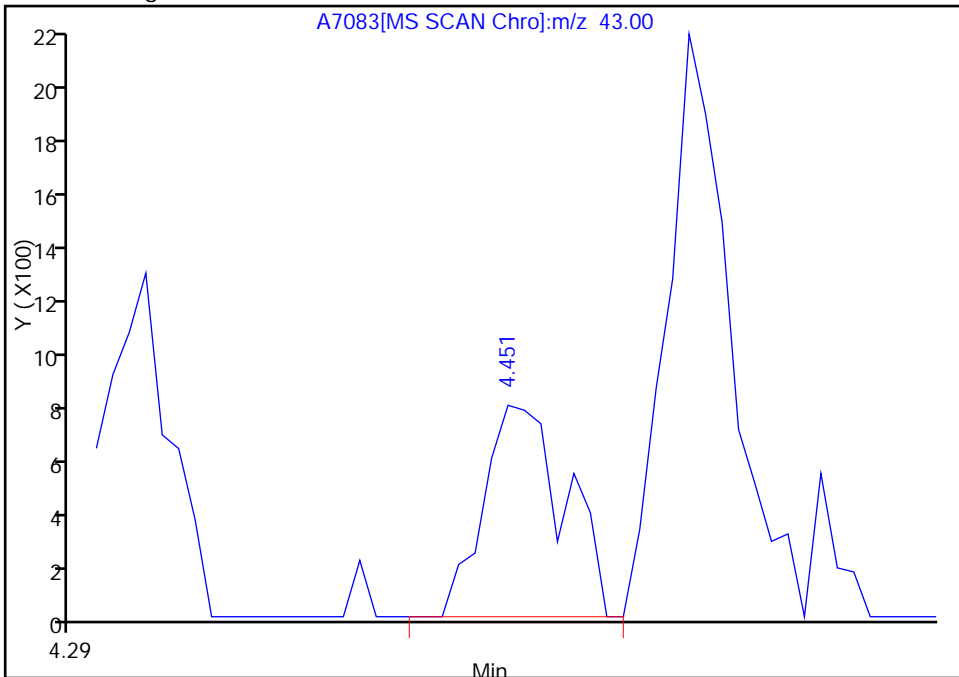
RT: 4.45  
Response: 1270  
Amount: 5.000000

Processing Integration Results



RT: 4.45  
Response: 1597  
Amount: 4.883968

Manual Integration Results



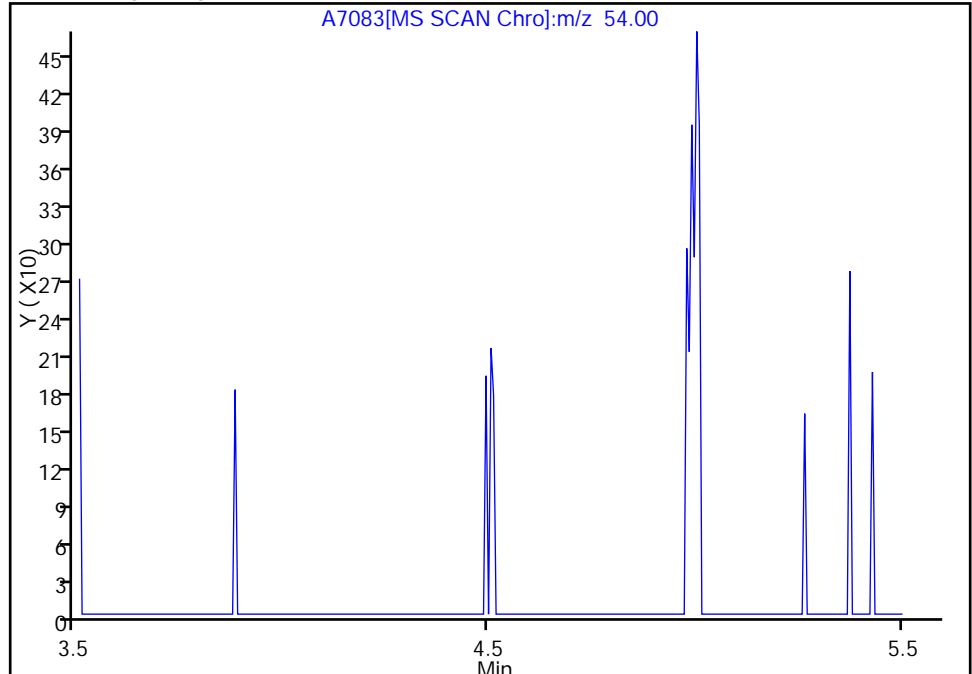
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

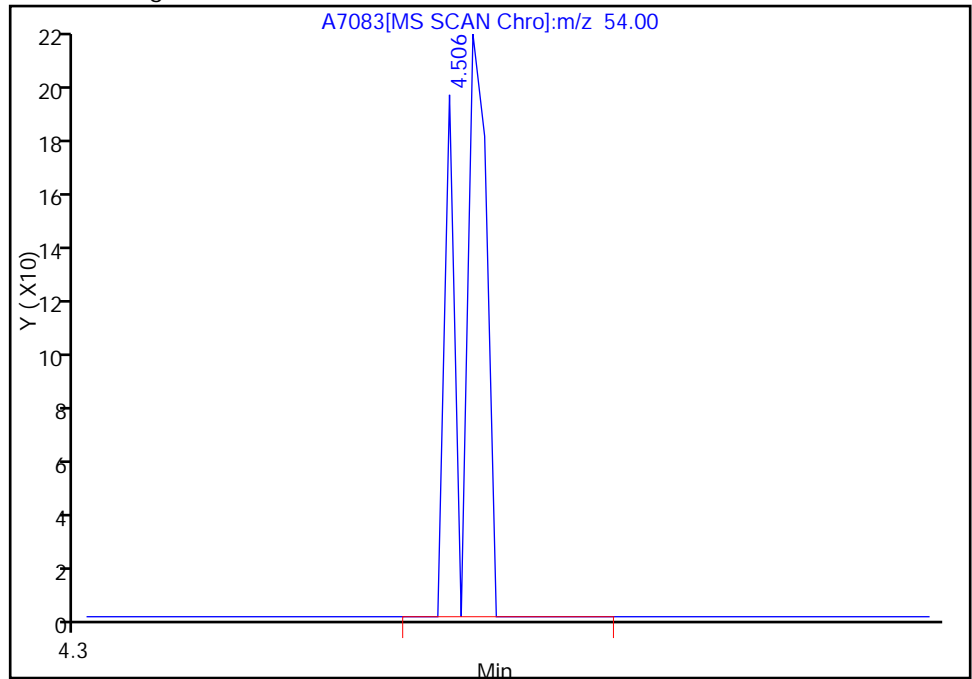
41 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results



RT: 4.51  
Response: 210  
Amount: 5.224114

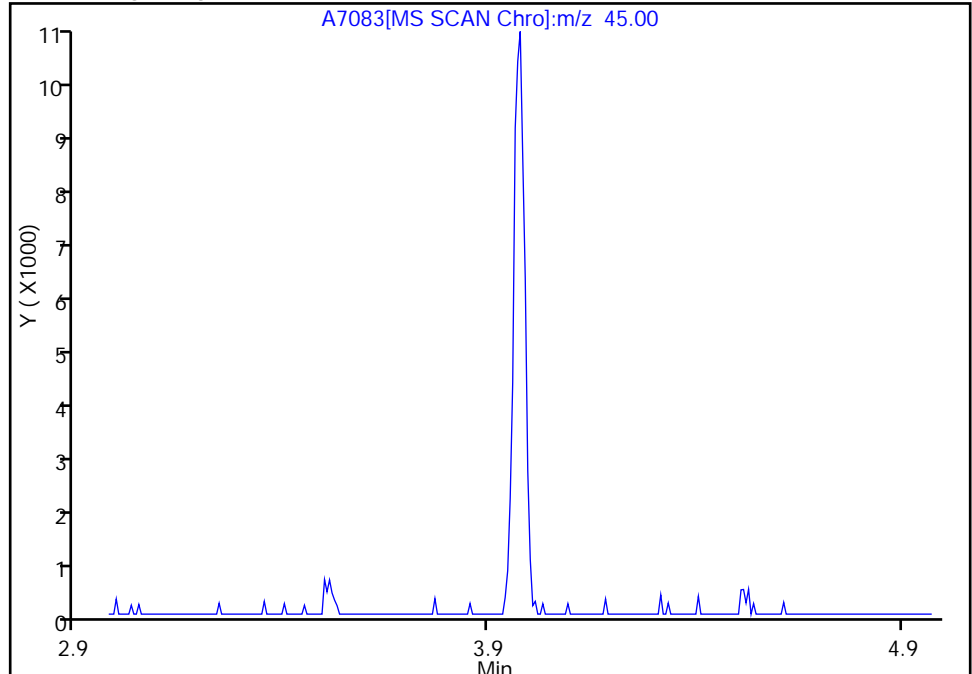
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.98

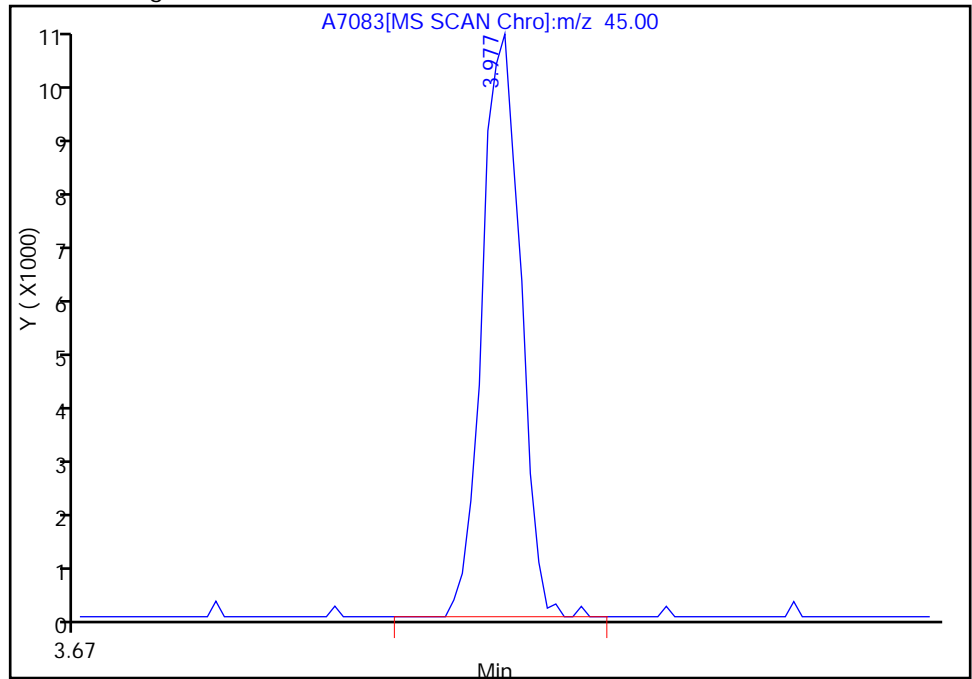
Not Detected  
Expected RT: 3.98

Processing Integration Results



Manual Integration Results

RT: 3.98  
Response: 20650  
Amount: 5.000000



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D

Injection Date: 21-Jan-2012 09:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

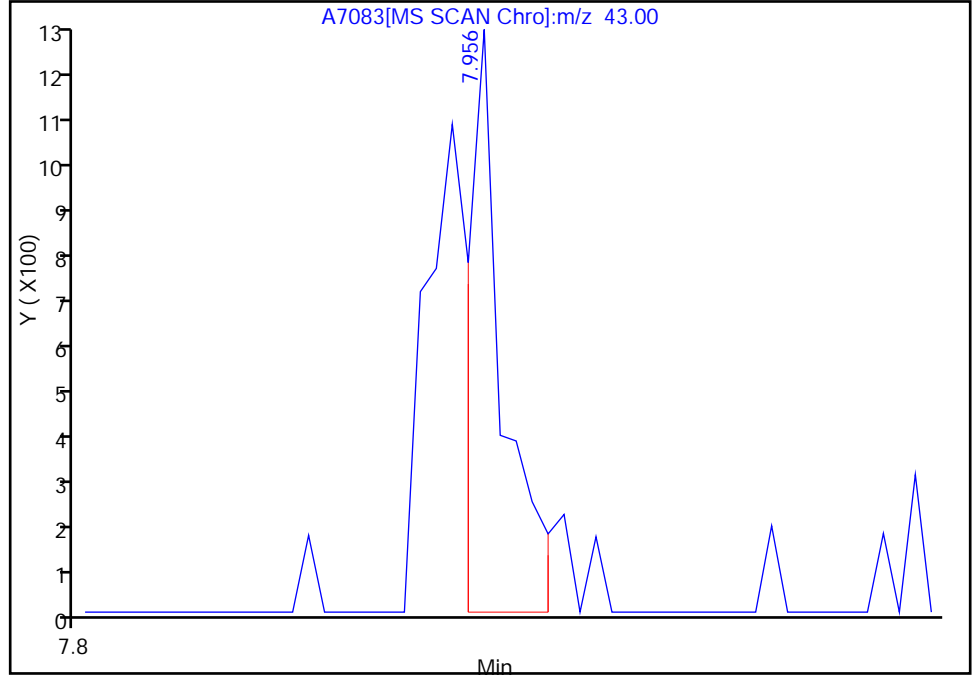
Lims Sample ID: 4

Operator ID: JLH

68 2-Hexanone, Signal: 1, m/z: 43.0 Type: quant, RT: 7.96

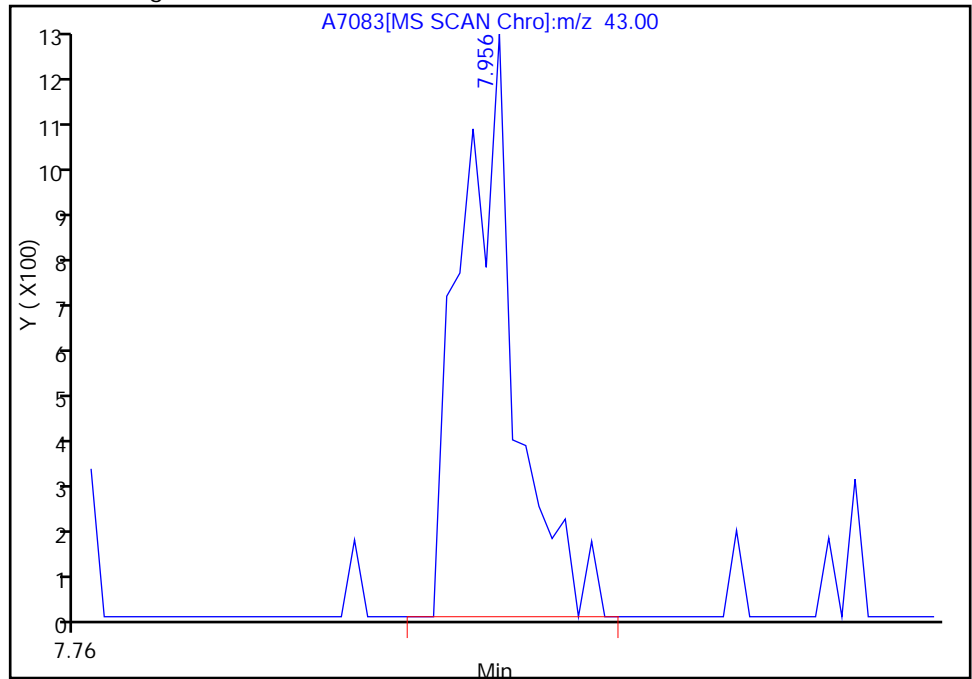
RT: 7.96  
Response: 1131  
Amount: 5.000000

Processing Integration Results



RT: 7.96  
Response: 2151  
Amount: 5.224208

Manual Integration Results



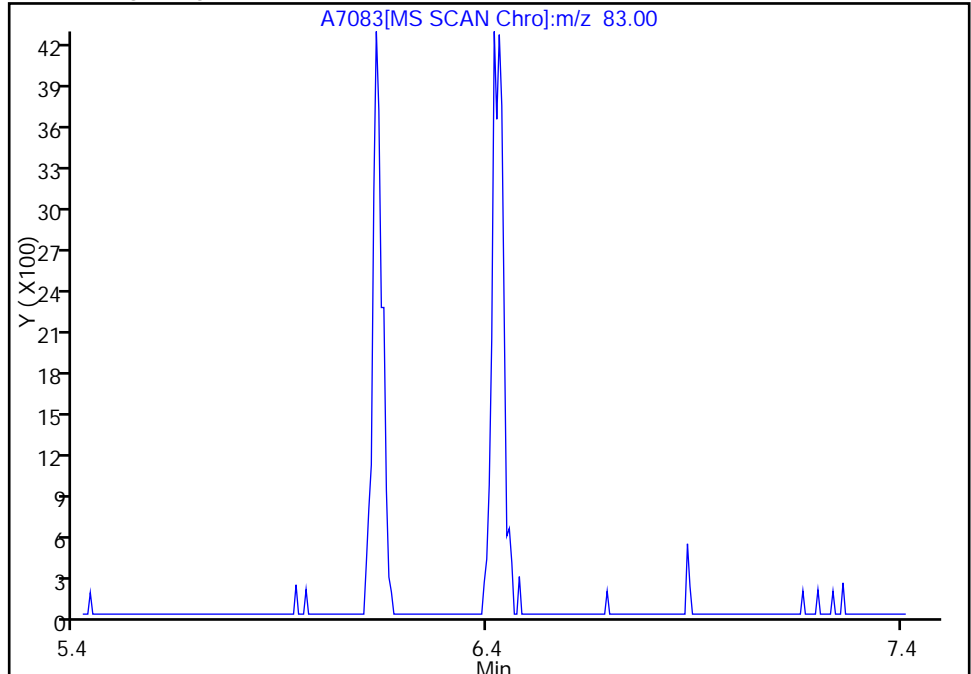
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

58 Dichlorobromomethane, Signal: 1, m/z: 83.0 Type: quant, RT: 6.42

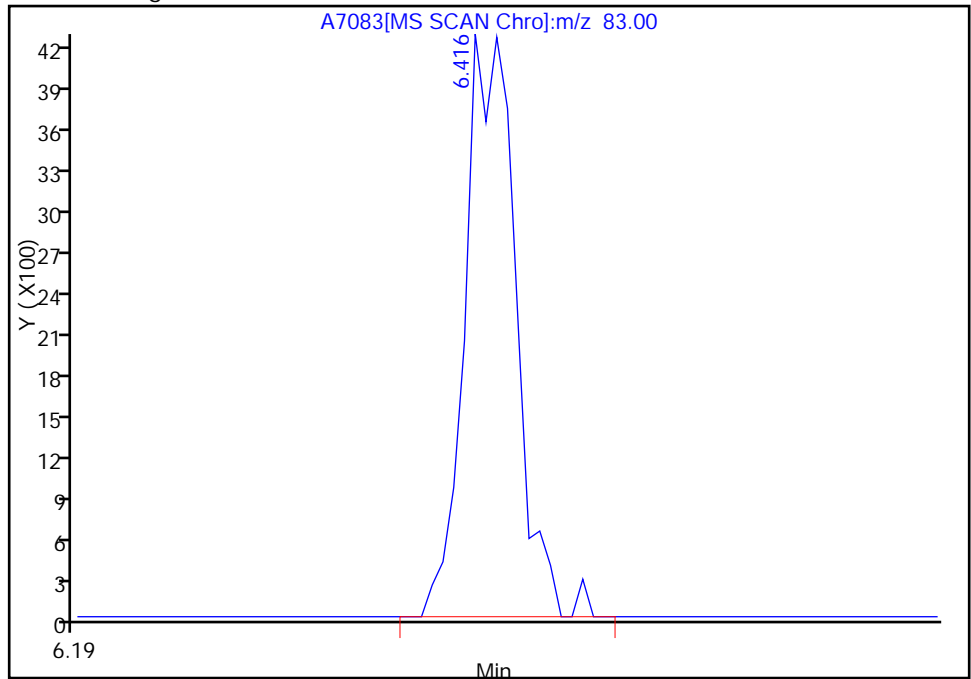
Not Detected  
Expected RT: 6.42

Processing Integration Results



RT: 6.42  
Response: 8438  
Amount: 4.958386

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

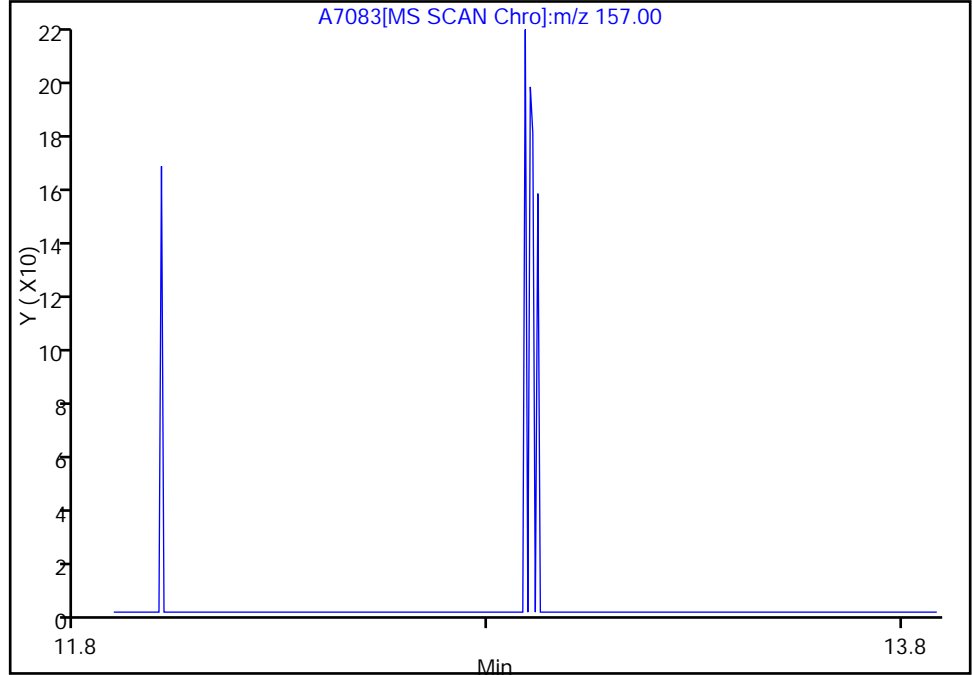


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

96 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 12.89

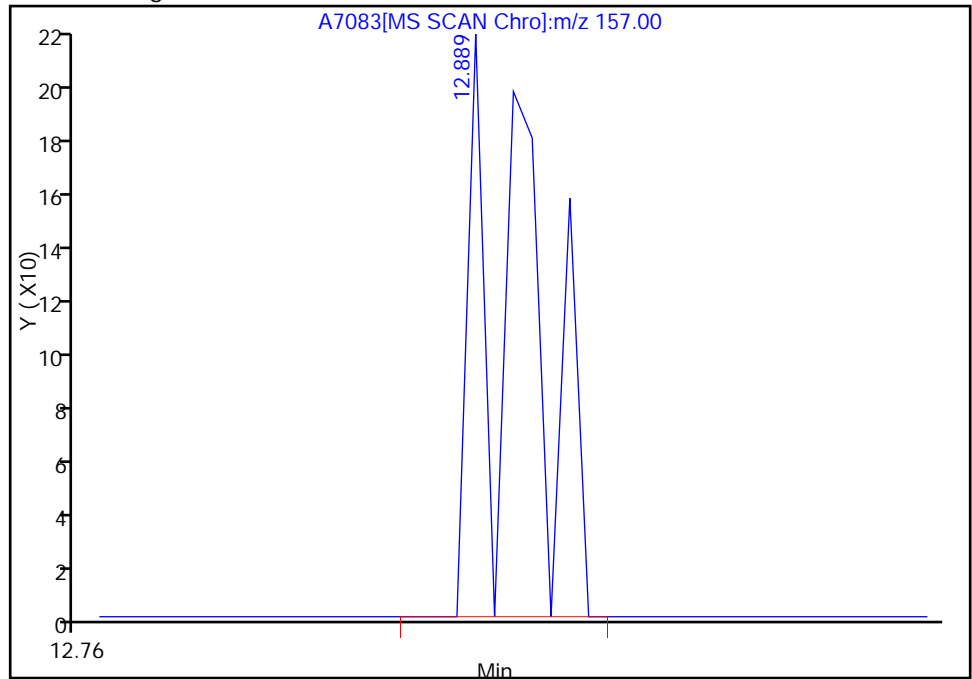
Not Detected  
Expected RT: 12.89

Processing Integration Results



Manual Integration Results

RT: 12.89  
Response: 268  
Amount: 5.000000



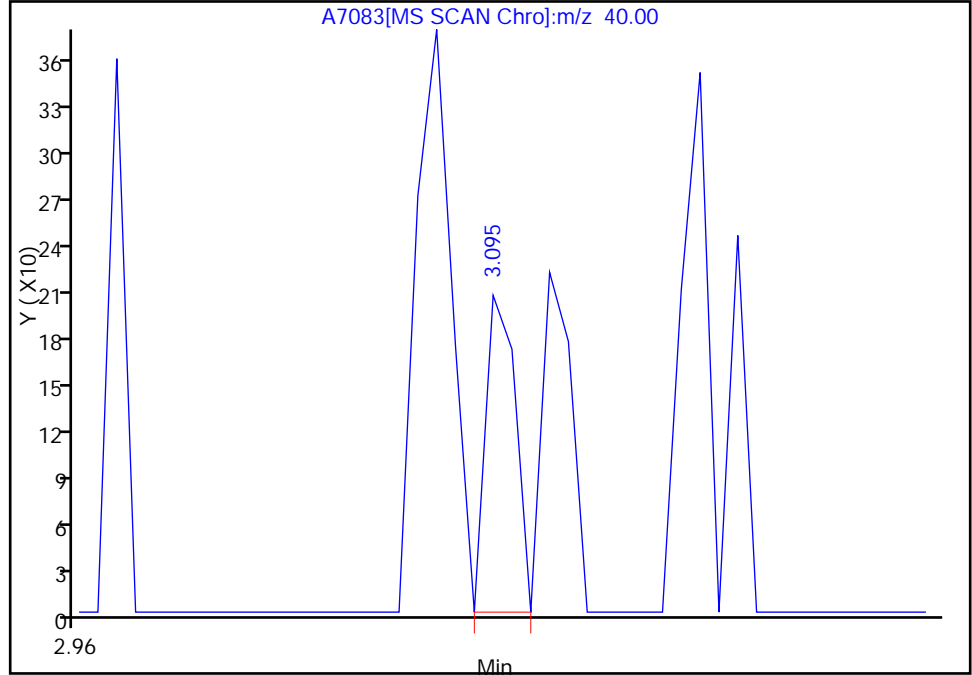
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

24 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.08

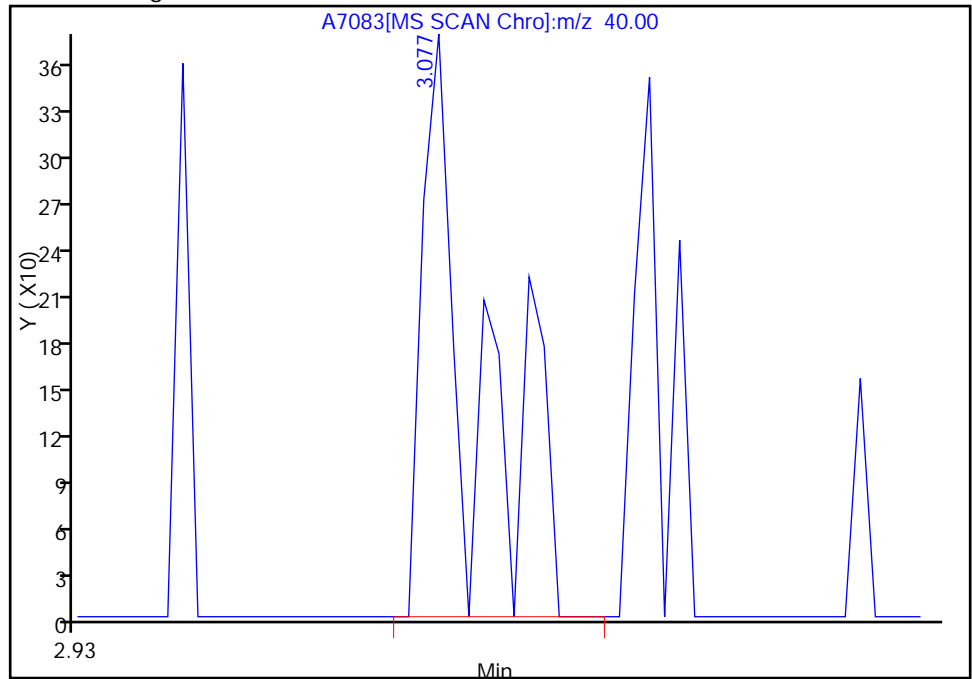
RT: 3.09  
Response: 138  
Amount: 1.096852

Processing Integration Results



RT: 3.08  
Response: 583  
Amount: 5.000000

Manual Integration Results



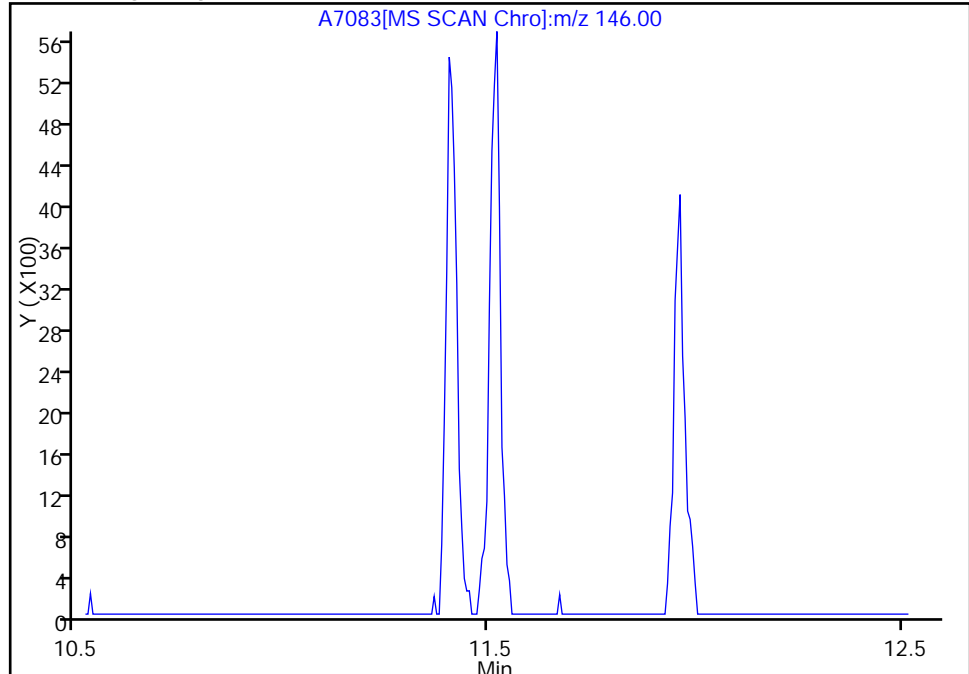
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

92 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.52

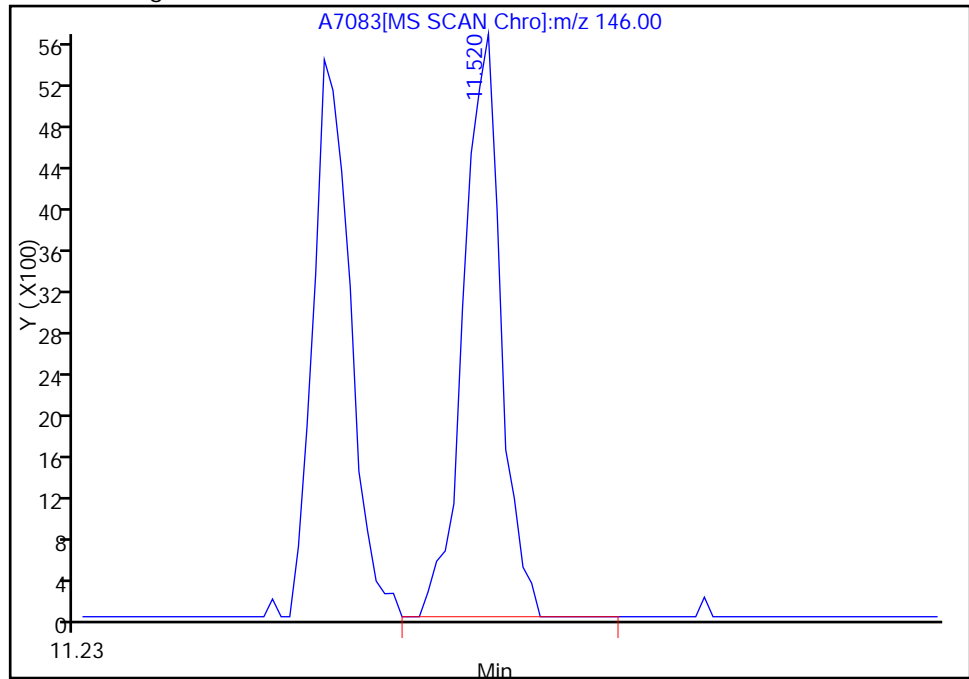
Not Detected  
Expected RT: 11.52

Processing Integration Results



Manual Integration Results

RT: 11.52  
Response: 10356  
Amount: 4.661217



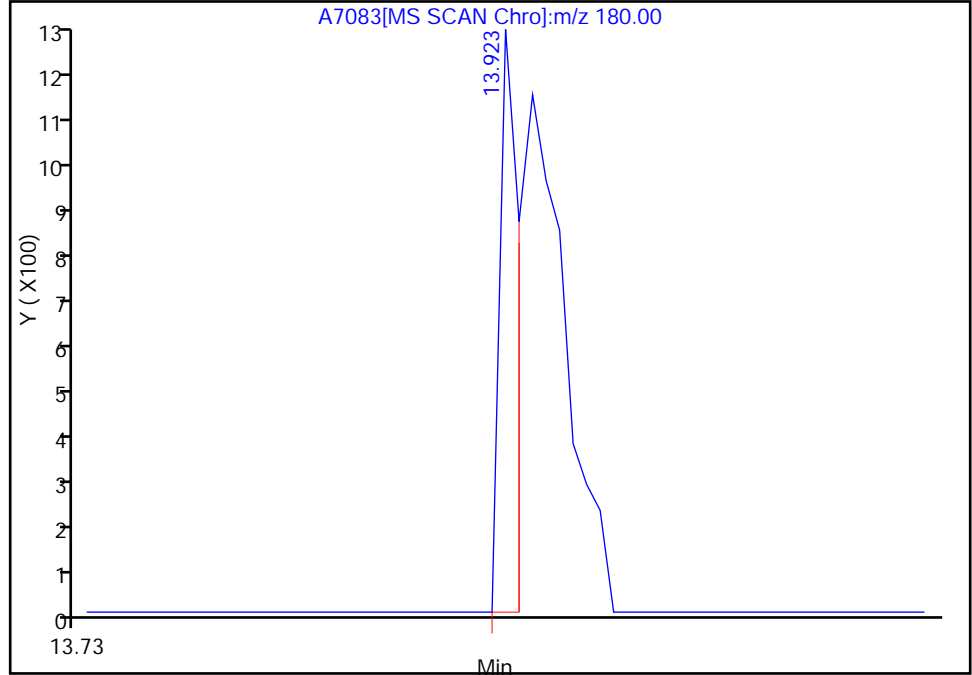
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

97 1,2,4-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 13.92

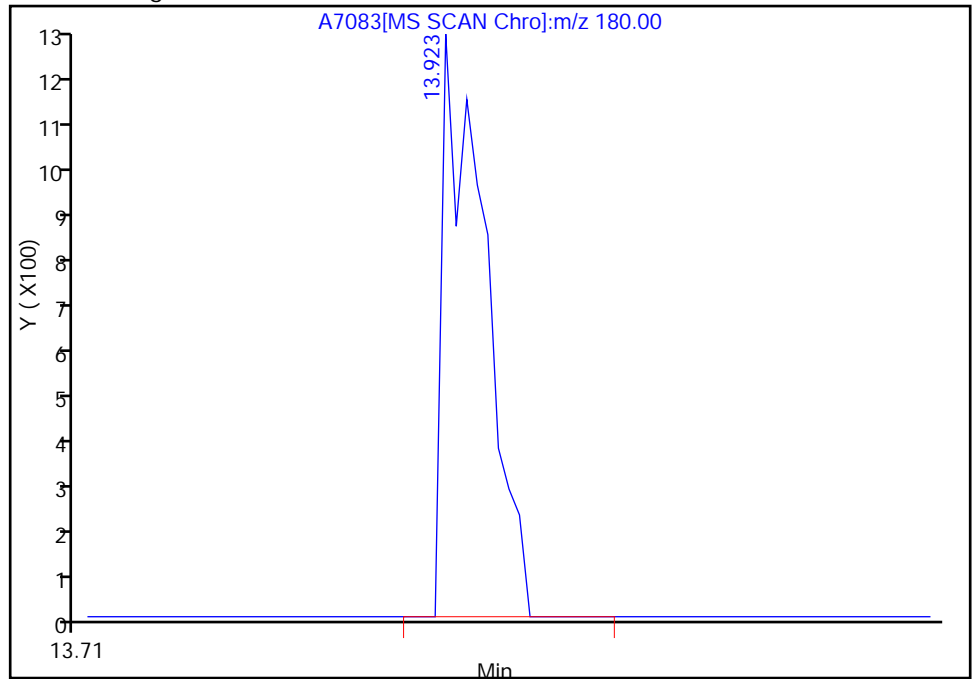
RT: 13.92  
Response: 750  
Amount: 2.078152

Processing Integration Results



RT: 13.92  
Response: 2084  
Amount: 5.000000

Manual Integration Results



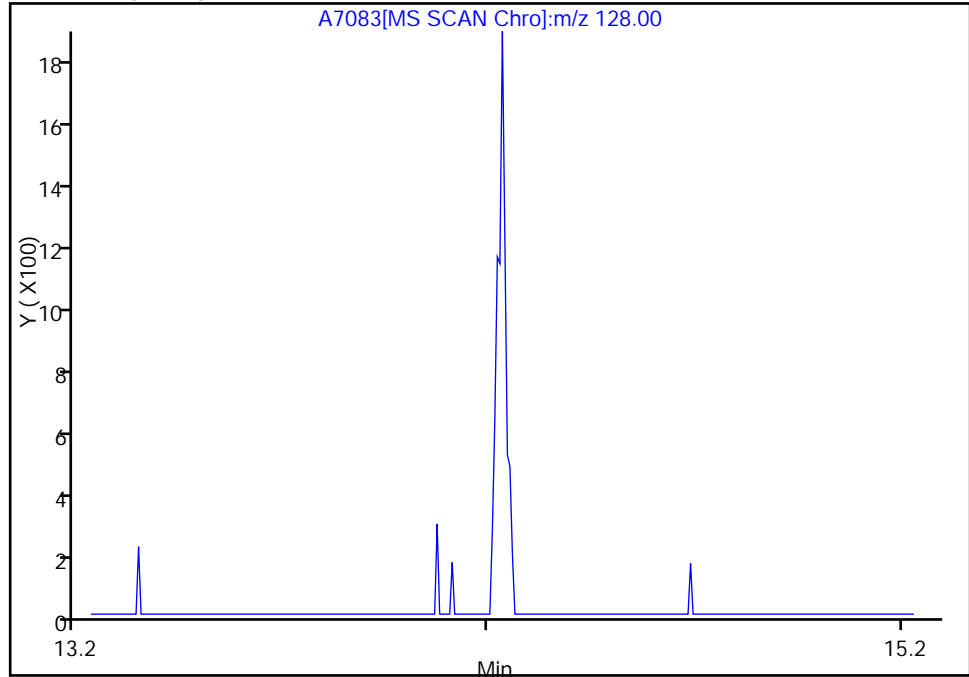
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

99 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 14.23

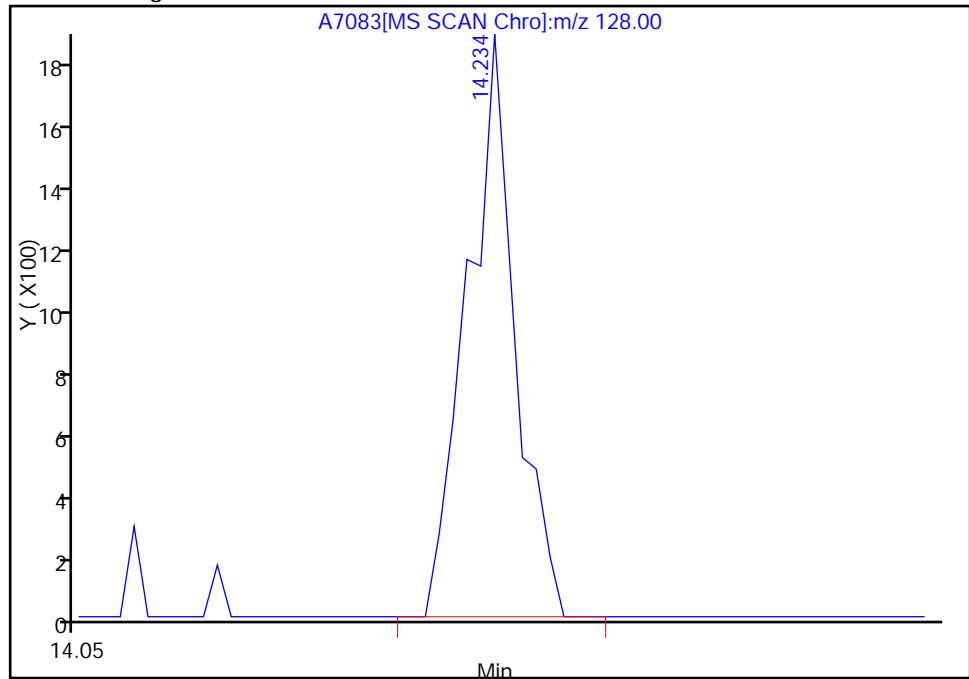
Not Detected  
Expected RT: 14.23

Processing Integration Results



Manual Integration Results

RT: 14.23  
Response: 2625  
Amount: 4.483372



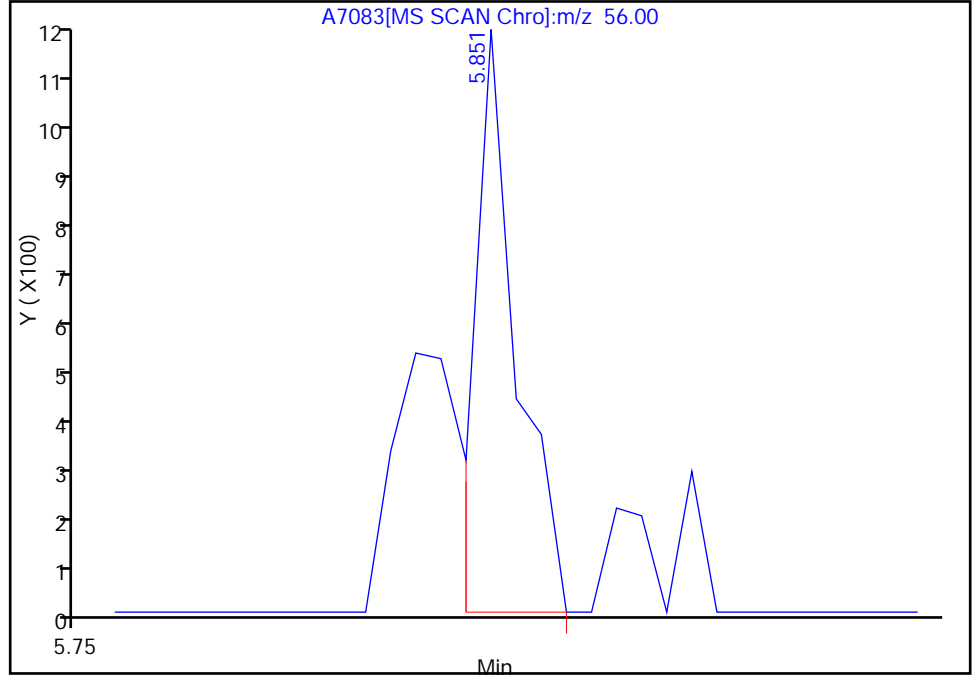
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

53 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.85

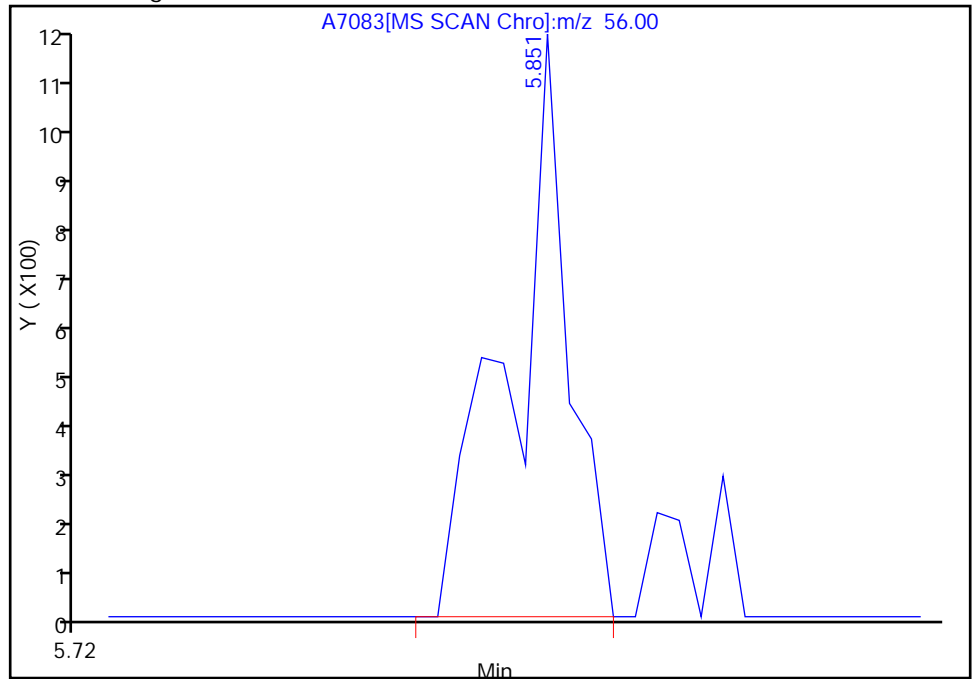
RT: 5.85  
Response: 798  
Amount: 236.1795

Processing Integration Results



RT: 5.85  
Response: 1275  
Amount: 255.0000

Manual Integration Results



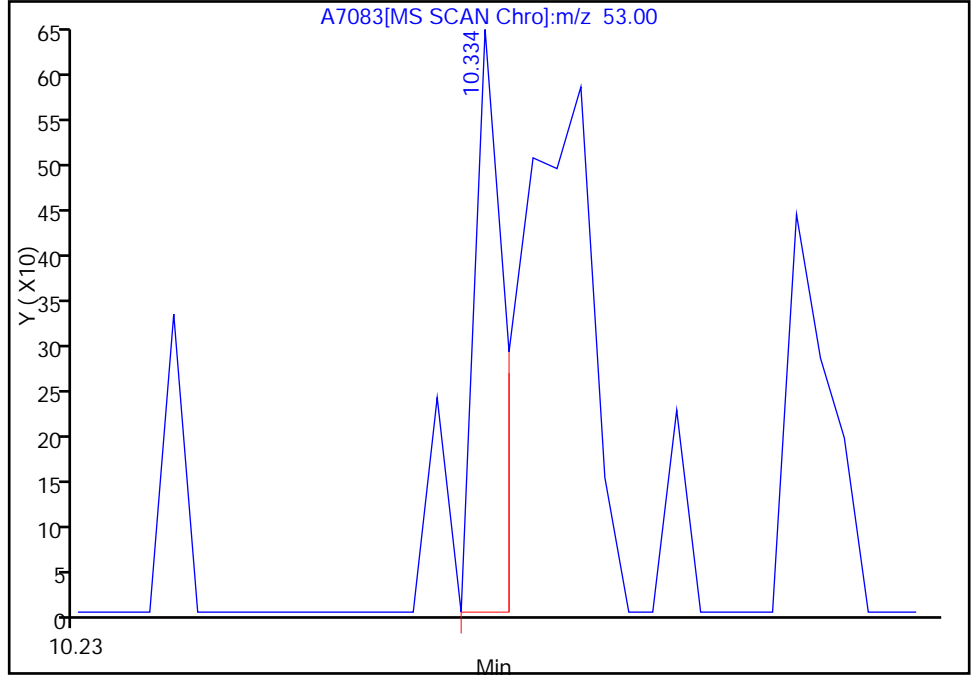
Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7083.D  
Injection Date: 21-Jan-2012 09:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 4  
Operator ID: JLH

82 trans-1,4-Dichloro-2-butene, Signal: 1, m/z: 53.0 Type: quant, RT: 10.33

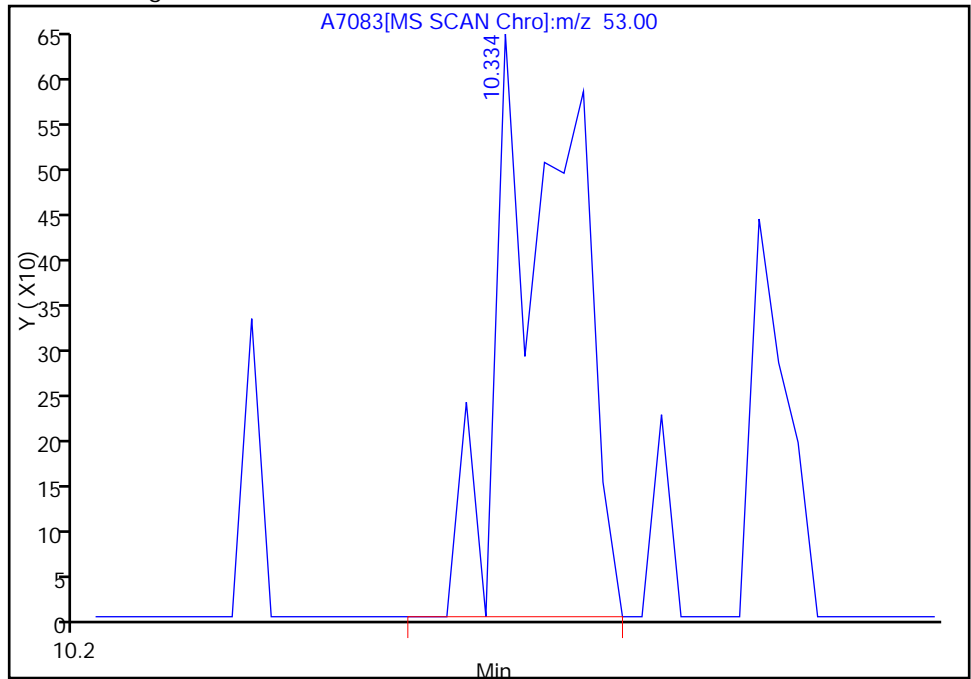
RT: 10.33  
Response: 343  
Amount: 5.000000

Processing Integration Results



RT: 10.33  
Response: 1063  
Amount: 5.000000

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 10:15:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
 Lims ID: STD010 Client ID:  
 Inject. Date: 21-Jan-2012 10:18:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: STD010  
 Misc. Info.: 510-0006222-005 =510-0006222-005  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 4  
 Lims Batch ID: 92688 Lims Sample ID: 5  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 10:45:57 Calib Date: 21-Jan-2012 10:18:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 10:45:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.562	5.558	0.004	98	358412	50.0	
* 2 Chlorobenzene-d5	82	8.749	8.752	-0.003	82	130743	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.487	11.490	-0.003	96	92442	50.0	
\$ 103 Dibromofluoromethane	113	4.899	4.895	0.004	0	91852	51.1	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.227	5.224	0.003	0	111289	53.6	
\$ 6 Toluene-d8 (Surr)	98	7.180	7.176	0.004	93	336944	50.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.106	10.109	-0.003	81	117495	48.8	
11 Dichlorodifluoromethane	85	1.425	1.421	0.004	85	20190	10.0	
12 Chloromethane	50	1.583	1.580	0.003	83	13677	9.62	
13 Vinyl chloride	62	1.680	1.677	0.003	83	18027	9.93	
14 Bromomethane	94	1.979	1.975	0.004	55	3184	10.0	
15 Chloroethane	64	2.076	2.072	0.004	92	8643	10.1	
16 Trichlorofluoromethane	101	2.319	2.316	0.003	89	28742	10.0	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.593	2.596	-0.003	76	20187	10.0	
18 Acrolein	56	2.696	2.706	-0.010	31	830	10.0	
19 1,1-Dichloroethene	61	2.800	2.796	0.004	79	22066	10.0	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.812	2.802	0.010	75	9962	10.0	
21 Acetone	43	2.842	2.845	-0.003	81	3734	10.0	
22 Iodomethane	142	2.940	2.931	0.009	75	3994	10.0	
23 Carbon disulfide	76	3.001	3.003	-0.002	97	30264	10.0	
24 Acetonitrile	40	3.092	3.092	0.0	0	811	9.79	M
25 Methyl acetate	43	3.153	3.149	0.004	87	8887	10.0	
26 Methylene Chloride	84	3.244	3.240	0.004	81	15370	10.2	
27 2-Methyl-2-propanol	59	3.335	3.350	-0.015	70	2353	40.0	
28 Acrylonitrile	53	3.469	3.461	0.008	71	2810	11.0	
30 trans-1,2-Dichloroethene	61	3.505	3.502	0.003	74	22317	9.37	
29 Methyl tert-butyl ether	73	3.512	3.508	0.004	85	40121	10.2	
31 Hexane	57	3.779	3.776	0.003	88	9928	10.0	
32 1,1-Dichloroethane	63	3.901	3.891	0.010	81	29475	9.87	
33 Vinyl acetate	43	3.950	3.950	0.0	98	53172	20.4	M



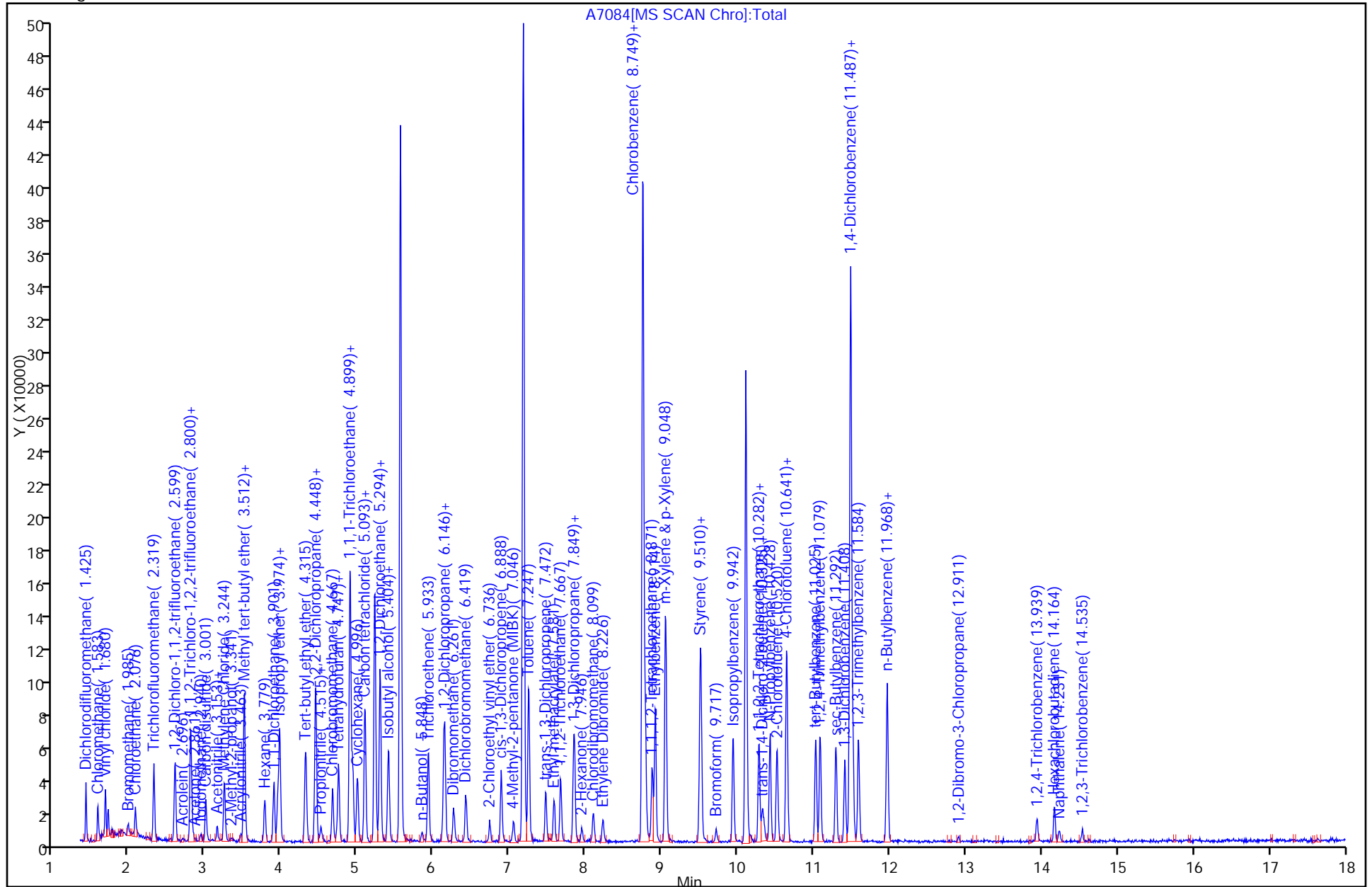
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.974	3.974	0.0	0	47896	9.78	M
35 Tert-butyl ethyl ether	59	4.315	4.311	0.004	95	44304	10.1	
37 cis-1,2-Dichloroethene	61	4.448	4.445	0.003	87	27552	9.67	
39 2-Butanone (MEK)	43	4.448	4.451	-0.003	14	4122	11.3	
36 2,2-Dichloropropane	77	4.448	4.458	-0.010	69	26328	10.1	
40 Butadiene	54	4.509	4.509	0.0	0	1076	17.1	M
41 Propionitrile	54	4.509	4.509	0.0	0	1076	10.0	M
38 Ethyl acetate	43	4.521	4.518	0.003	0	9323	10.0	
42 Chlorobromomethane	130	4.674	4.670	0.004	77	10250	9.85	
44 Chloroform	83	4.747	4.743	0.003	91	30708	10.0	
43 Tetrahydrofuran	42	4.722	4.744	-0.022	60	1736	10.0	
45 1,1,1-Trichloroethane	97	4.935	4.932	0.003	87	28813	10.0	
46 Cyclohexane	56	4.990	4.992	-0.002	87	16067	10.0	
48 1,1-Dichloropropene	75	5.099	5.090	0.009	91	21999	10.2	
47 Carbon tetrachloride	117	5.093	5.096	-0.003	69	20828	10.2	
49 Benzene	78	5.294	5.291	0.003	92	63491	10.0	
50 1,2-Dichloroethane	62	5.300	5.297	0.003	58	24748	9.72	
51 Tert-amyl methyl ether	73	5.410	5.406	0.004	95	40664	10.3	
52 Isobutyl alcohol	41	5.410	5.413	-0.003	39	4549	9.98	
53 n-Butanol	56	5.848	5.848	0.0	0	2813	501.1	M
54 Trichloroethene	132	5.933	5.929	0.004	90	17149	9.84	
55 Methylcyclohexane	83	6.134	6.137	-0.003	90	16339	10.4	
56 1,2-Dichloropropane	63	6.146	6.148	-0.002	82	16762	10.0	
57 Dibromomethane	93	6.267	6.264	0.003	68	8608	10.0	
58 Dichlorobromomethane	83	6.419	6.416	0.003	86	18909	10.5	
59 2-Chloroethyl vinyl ether	63	6.742	6.738	0.004	64	4805	20.0	
60 cis-1,3-Dichloropropene	75	6.888	6.888	0.0	0	21301	10.5	M
61 4-Methyl-2-pentanone (MIBK)	43	7.046	7.049	-0.003	78	7833	11.4	
62 Toluene	91	7.247	7.249	-0.002	78	66030	10.0	
63 trans-1,3-Dichloropropene	75	7.472	7.475	-0.002	81	14687	9.94	
64 Ethyl methacrylate	69	7.581	7.581	0.0	0	13116	10.6	M
65 1,1,2-Trichloroethane	83	7.673	7.669	0.004	83	8930	10.2	
66 Tetrachloroethene	166	7.843	7.840	0.003	87	11817	9.02	
67 1,3-Dichloropropane	76	7.855	7.852	0.003	83	20504	10.1	
68 2-Hexanone	43	7.946	7.956	-0.010	74	4809	10.8	
69 Chlorodibromomethane	129	8.105	8.101	0.004	51	10709	10.8	
70 Ethylene Dibromide	107	8.226	8.229	-0.003	69	10674	10.6	
71 Chlorobenzene	112	8.780	8.780	0.0	0	36993	8.89	M
72 1,1,1,2-Tetrachloroethane	131	8.877	8.874	0.003	83	12119	9.16	
73 Ethylbenzene	91	8.914	8.916	-0.002	92	60740	9.71	
74 m-Xylene & p-Xylene	91	9.054	9.050	0.004	0	93976	19.1	
75 o-Xylene	91	9.504	9.506	-0.002	91	49238	9.33	
76 Styrene	104	9.516	9.525	-0.009	89	38868	10.2	
77 Bromoform	173	9.717	9.708	0.009	67	3313	10.0	
78 Isopropylbenzene	105	9.942	9.938	0.004	90	45317	10.1	
80 Bromobenzene	77	10.276	10.279	-0.003	85	22376	9.54	
79 1,1,2,2-Tetrachloroethane	83	10.282	10.280	0.002	53	8570	10.5	
81 1,2,3-Trichloropropane	75	10.325	10.317	0.008	18	10602	10.5	
82 trans-1,4-Dichloro-2-butene	53	10.349	10.334	0.015	1	2355	10.1	
83 N-Propylbenzene	91	10.428	10.425	0.003	96	55566	9.13	
84 2-Chlorotoluene	91	10.514	10.516	-0.002	91	35226	9.11	
85 1,3,5-Trimethylbenzene	105	10.635	10.644	-0.009	87	42398	9.36	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.647	10.644	0.003	91	42920	10.0	
87 tert-Butylbenzene	119	11.031	11.027	0.004	77	33862	9.83	
88 1,2,4-Trimethylbenzene	105	11.079	11.082	-0.003	55	41615	10.5	
89 sec-Butylbenzene	105	11.292	11.295	-0.003	85	44879	10.5	
90 1,3-Dichlorobenzene	146	11.408	11.418	-0.010	90	21962	10.2	
91 4-Isopropyltoluene	119	11.475	11.467	0.009	67	40412	9.55	
92 1,4-Dichlorobenzene	146	11.523	11.520	0.003	67	21881	9.38	
93 1,2,3-Trimethylbenzene	105	11.584	11.587	-0.003	0	41415	9.44	
94 1,2-Dichlorobenzene	146	11.962	11.964	-0.002	75	18892	10.0	
95 n-Butylbenzene	91	11.968	11.970	-0.002	92	33269	9.48	
96 1,2-Dibromo-3-Chloropropane	157	12.911	12.889	0.022	1	792	10.0	
97 1,2,4-Trichlorobenzene	180	13.945	13.923	0.022	40	4819	10.2	
98 Hexachlorobutadiene	225	14.164	14.166	-0.002	62	3872	9.66	
99 Naphthalene	128	14.237	14.234	0.003	42	6691	10.4	
100 1,2,3-Trichlorobenzene	180	14.541	14.538	0.003	32	2456	10.0	
S 102 Total 1,2-dichloroethene	100				0		19.0	
S 101 Xylenes, Total	100				0		28.4	

## QC Flag Legend

## Review Flags

M - Manually Integrated



Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D

Injection Date: 21-Jan-2012 10:18:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

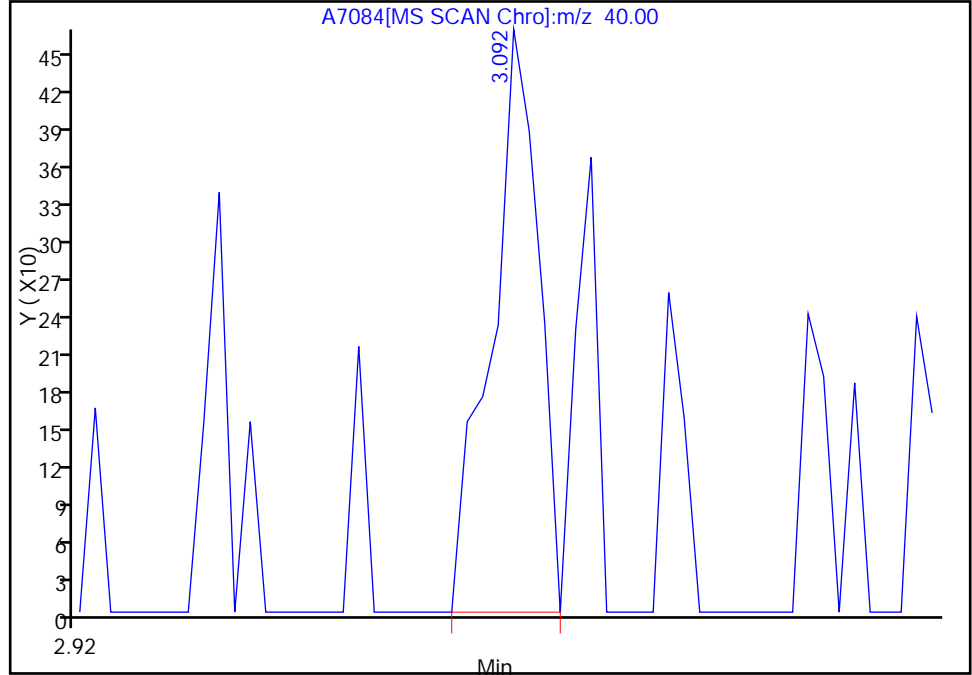
Lims Sample ID: 5

Operator ID: JLH

24 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.09

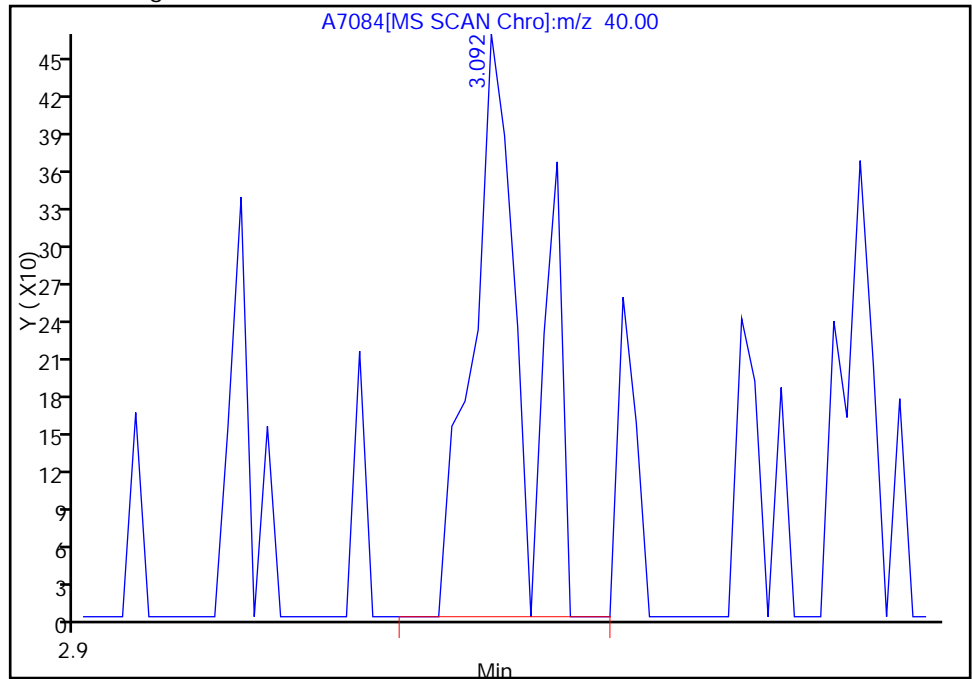
RT: 3.09  
Response: 596  
Amount: 4.328310

Processing Integration Results



RT: 3.09  
Response: 811  
Amount: 9.786065

Manual Integration Results



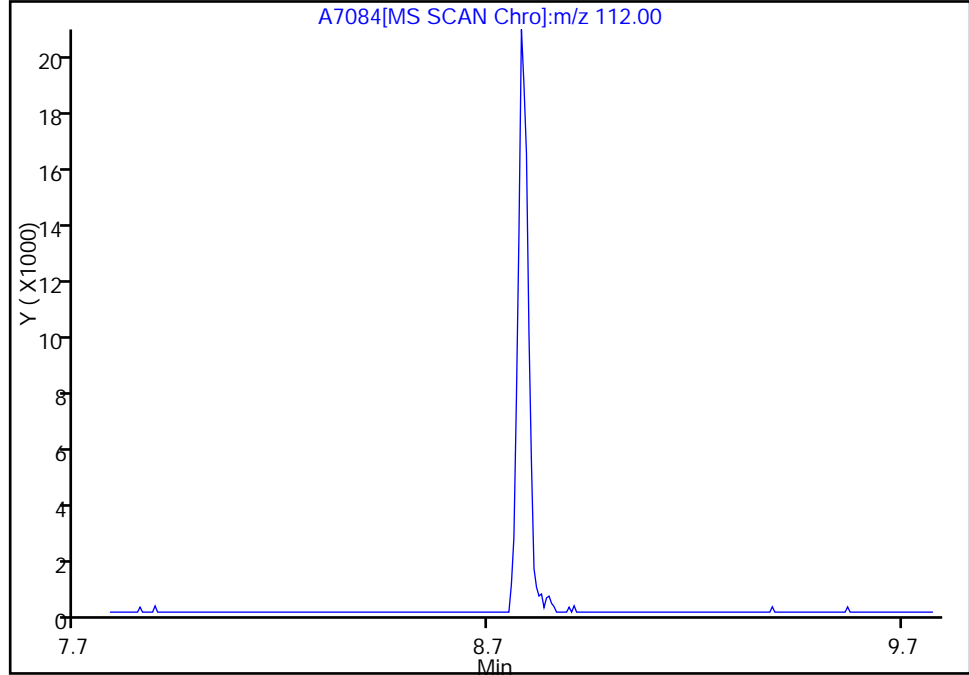
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

71 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.78

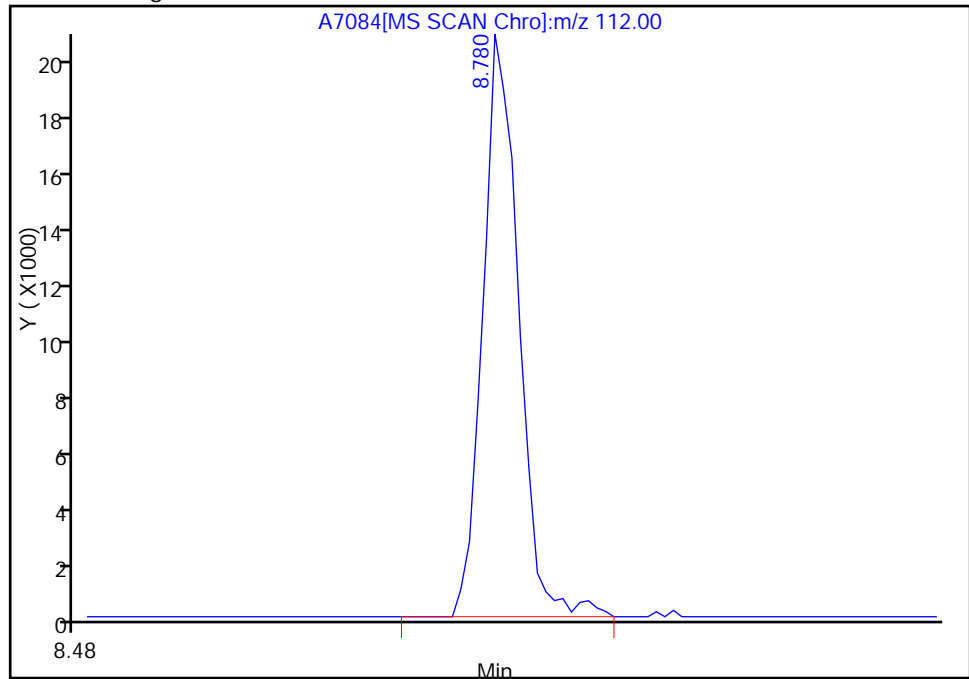
Not Detected  
Expected RT: 8.78

Processing Integration Results



Manual Integration Results

RT: 8.78  
Response: 36993  
Amount: 8.890458



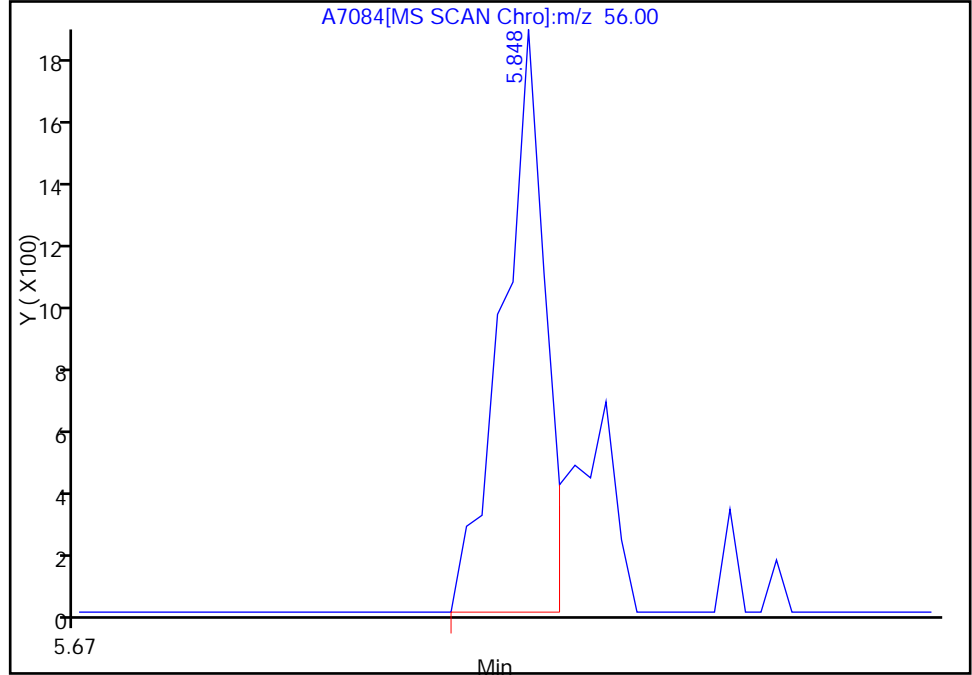
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

53 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.85

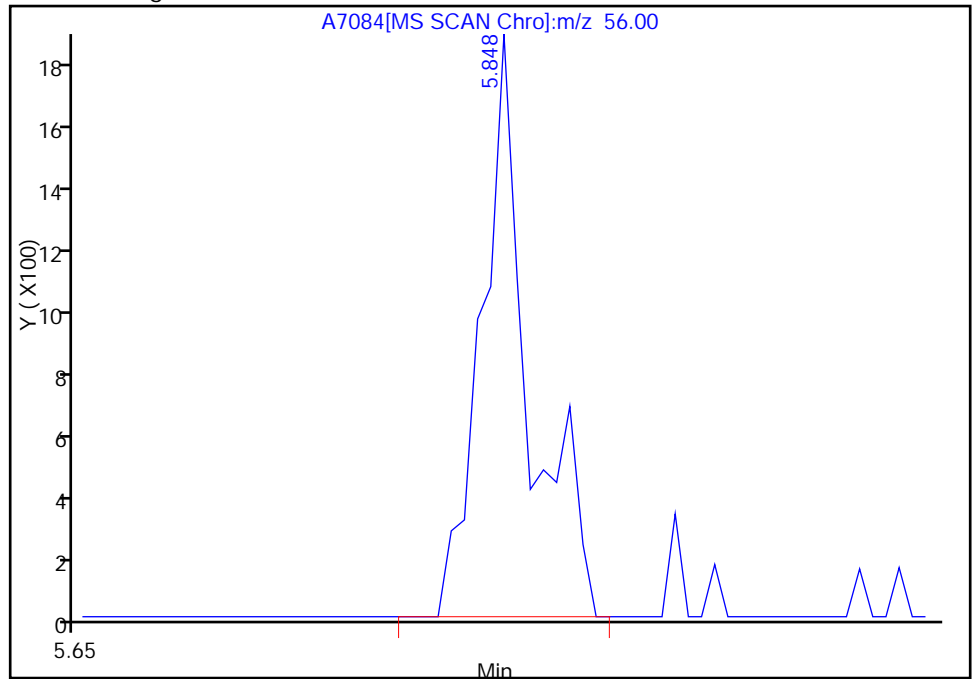
RT: 5.85  
Response: 2159  
Amount: 510.0000

Processing Integration Results



RT: 5.85  
Response: 2813  
Amount: 501.0763

Manual Integration Results



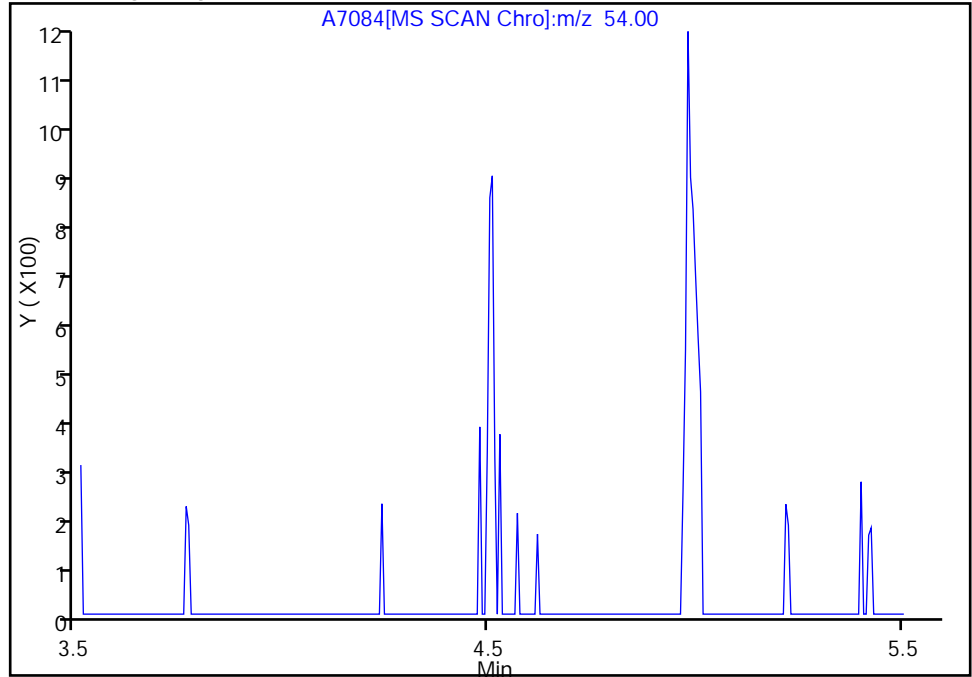
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

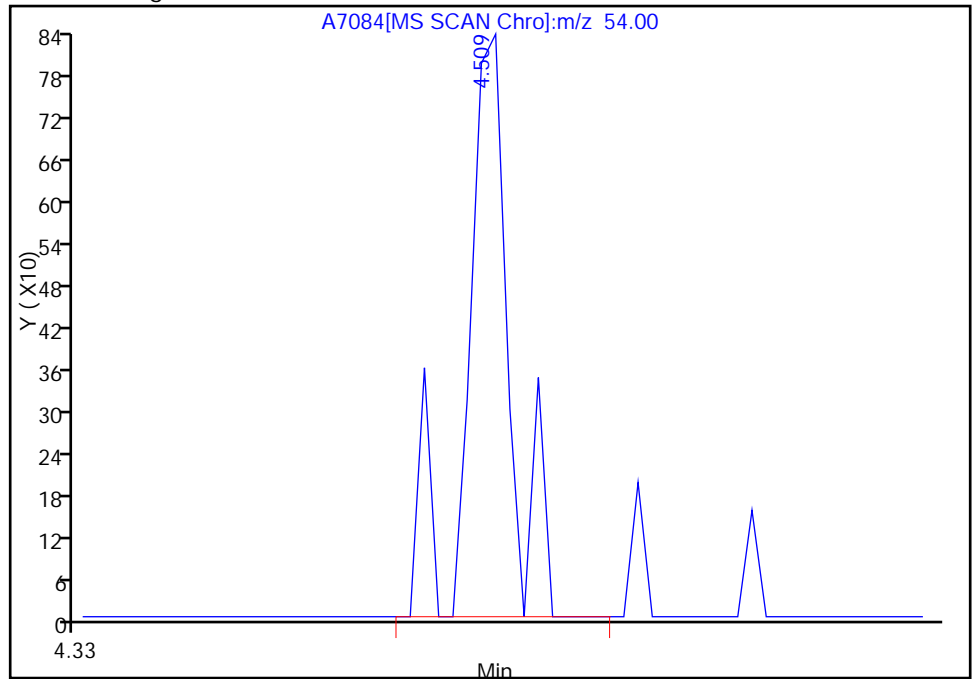
40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results



RT: 4.51  
Response: 1076  
Amount: 17.101965

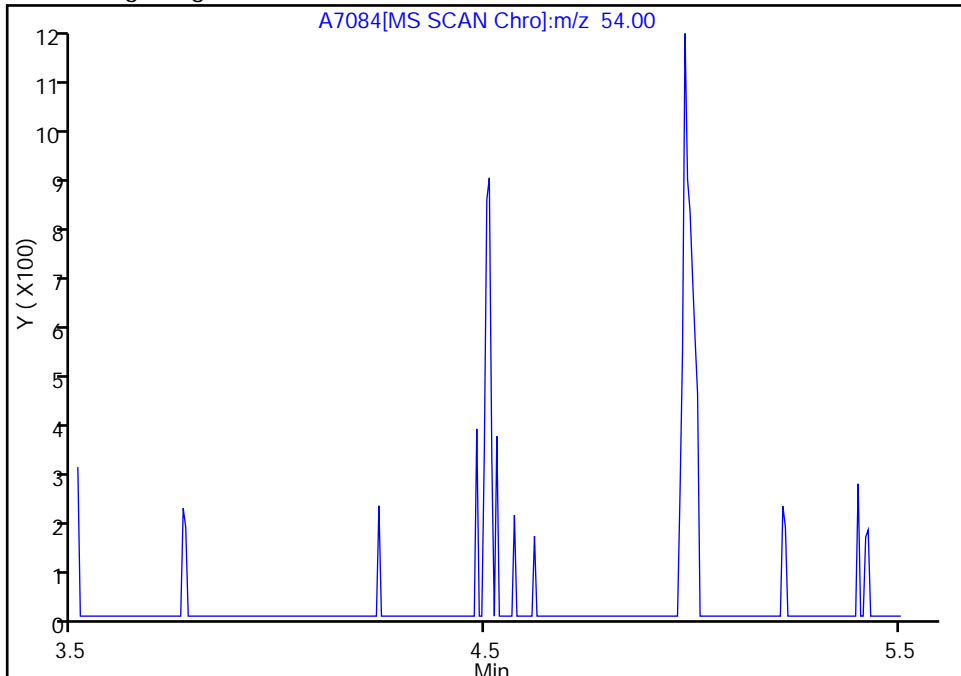
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

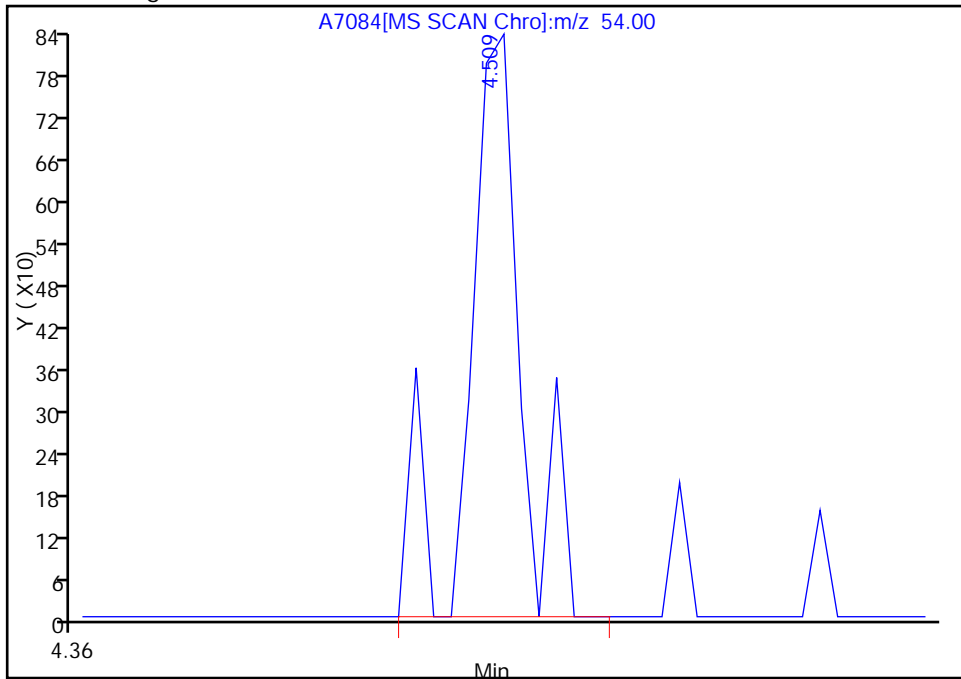
41 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results



RT: 4.51  
Response: 1076  
Amount: 10.000000

Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

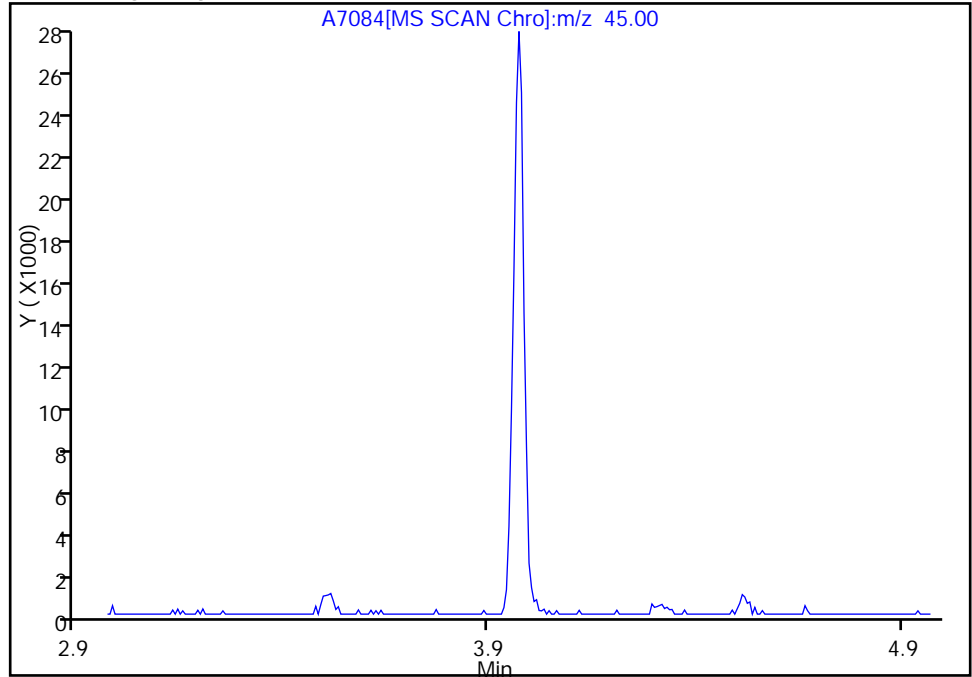


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

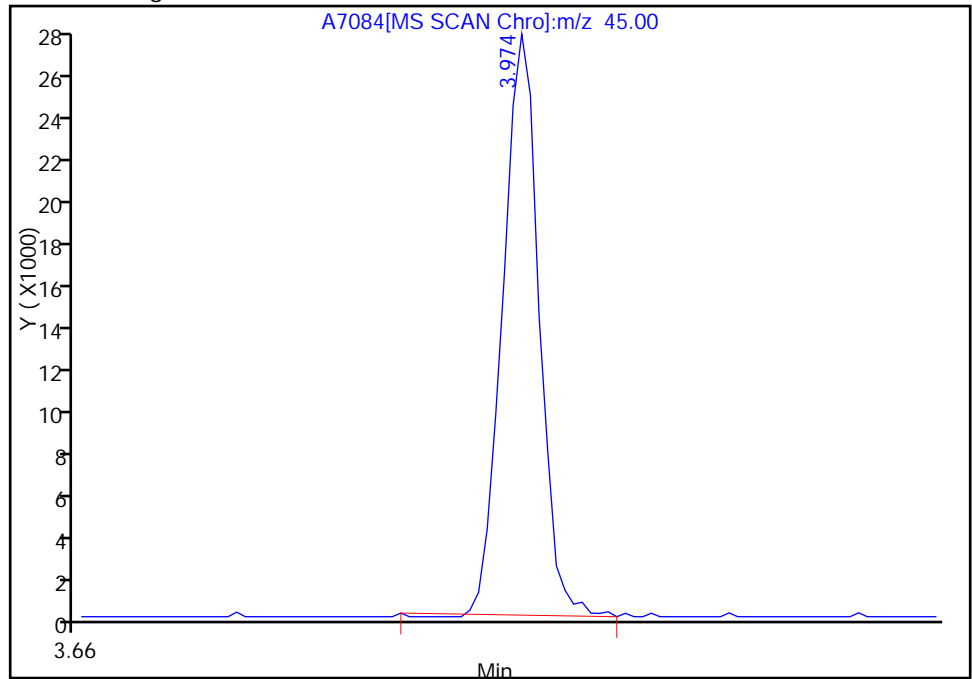
Not Detected  
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97  
Response: 47896  
Amount: 9.777040



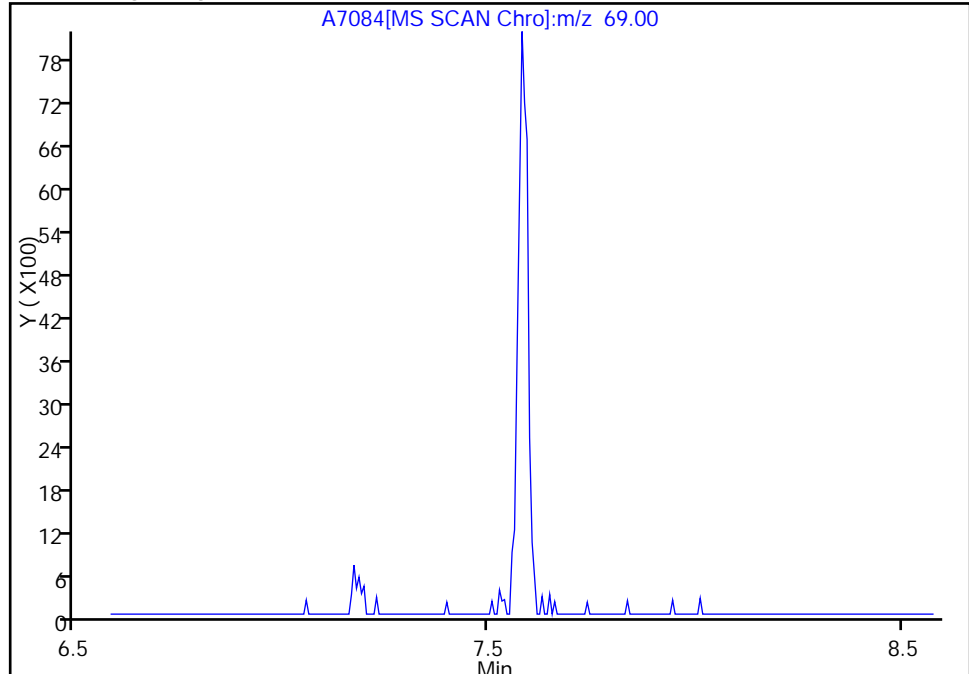
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

64 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 7.58

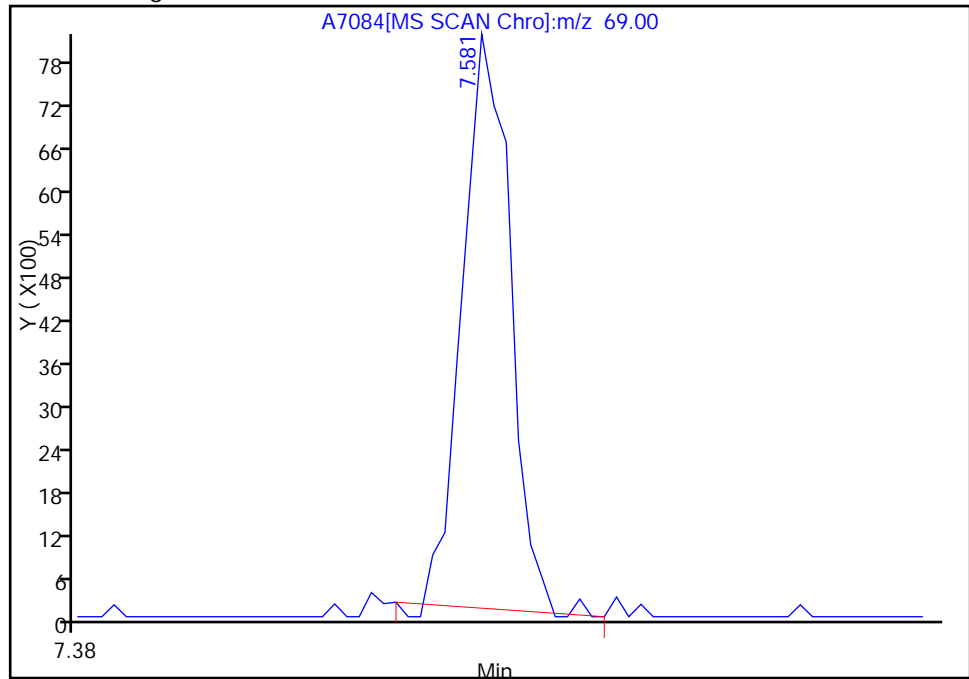
Not Detected  
Expected RT: 7.58

Processing Integration Results



Manual Integration Results

RT: 7.58  
Response: 13116  
Amount: 10.638246



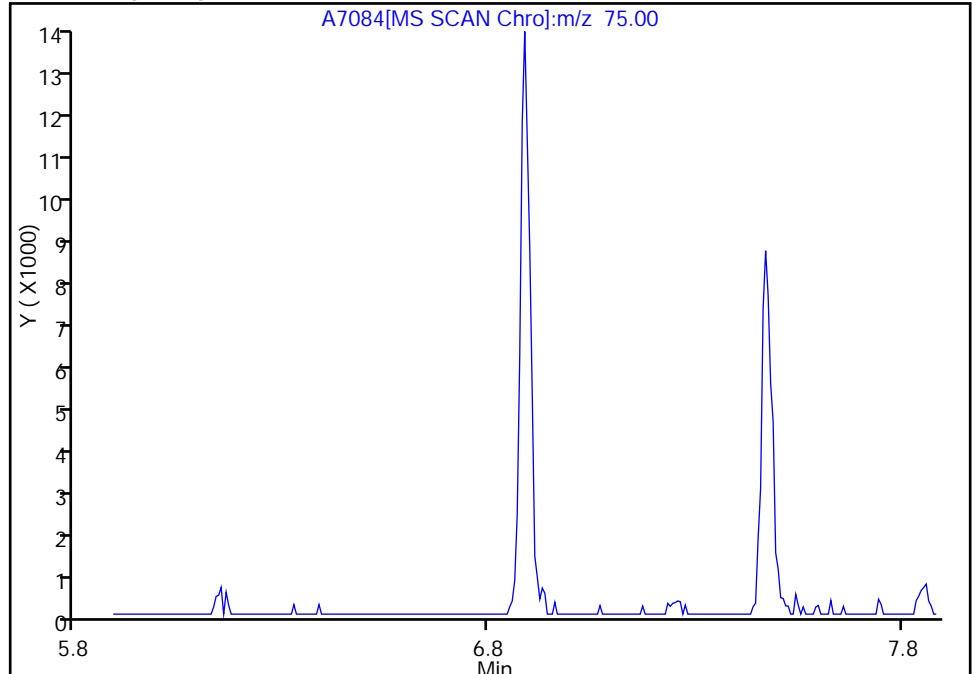
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

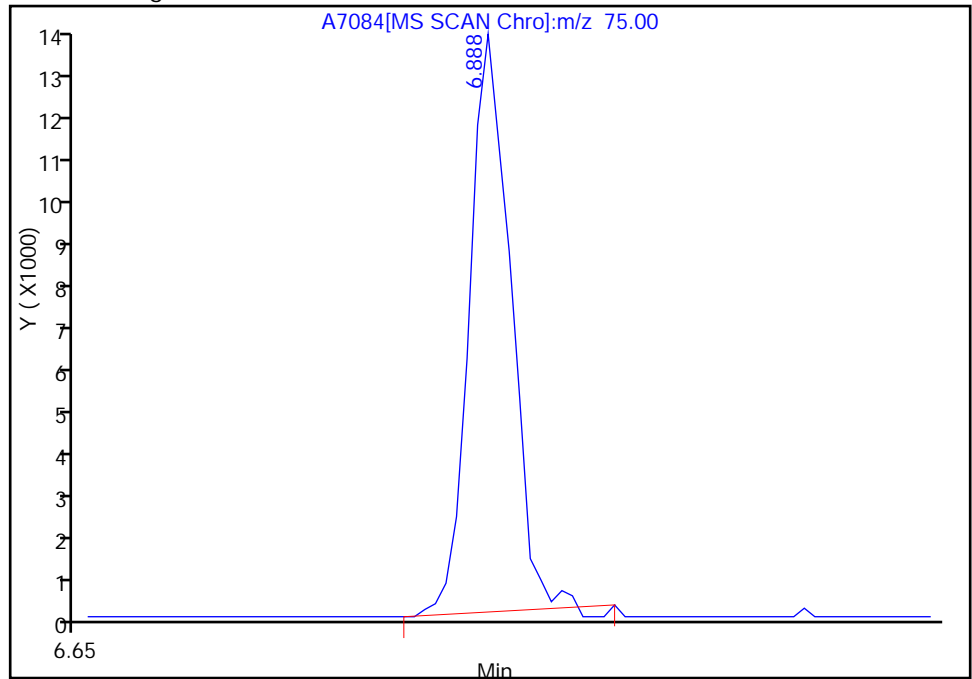
60 cis-1,3-Dichloropropene, Signal: 1, m/z: 75.0 Type: quant, RT: 6.89

Not Detected  
Expected RT: 6.89

Processing Integration Results



Manual Integration Results



RT: 6.89  
Response: 21301  
Amount: 10.535291

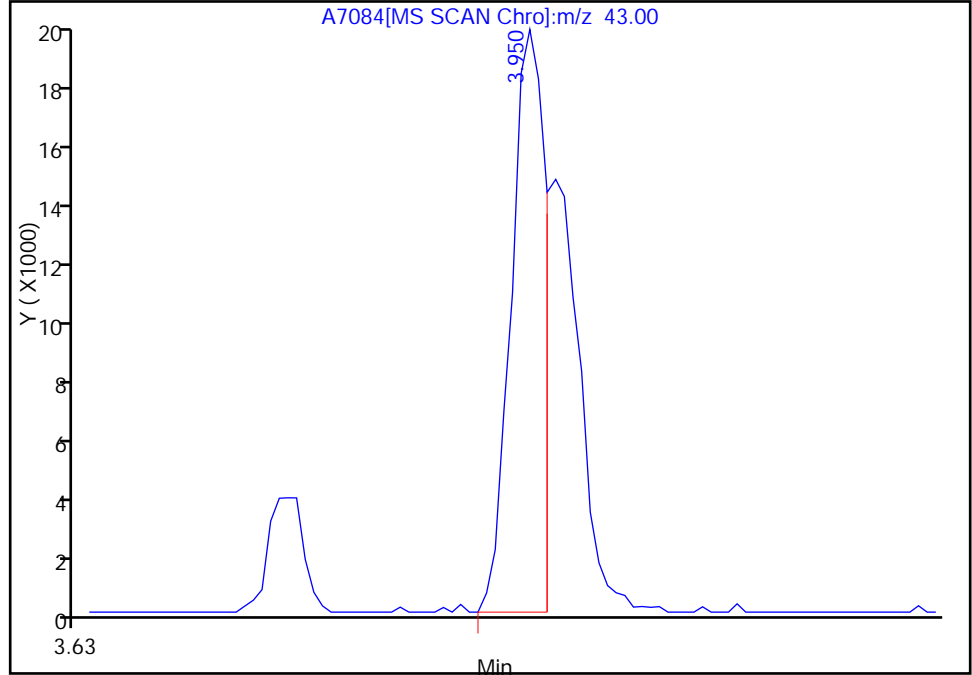
Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7084.D  
Injection Date: 21-Jan-2012 10:18:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 5  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.95

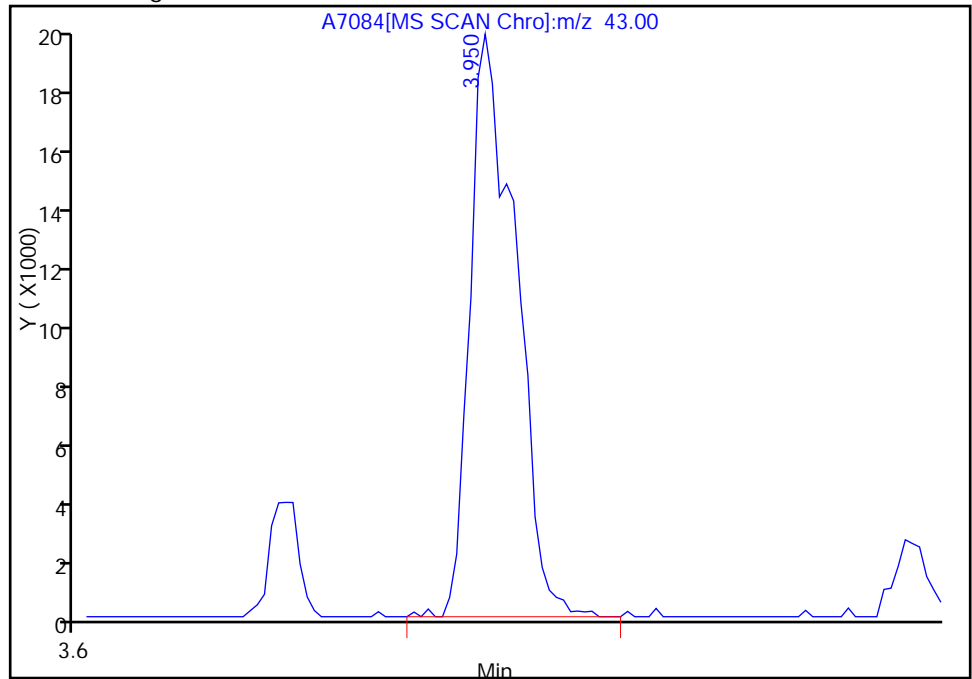
RT: 3.95  
Response: 32907  
Amount: 20.000000

Processing Integration Results



RT: 3.95  
Response: 53172  
Amount: 20.393941

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 10:45:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D  
 Lims ID: STD020 Client ID:  
 Inject. Date: 21-Jan-2012 10:49:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: STD020  
 Misc. Info.: 510-0006222-006 =510-0006222-006  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 5  
 Lims Batch ID: 92688 Lims Sample ID: 6  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 11:34:06 Calib Date: 21-Jan-2012 10:49:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 11:34:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.562	5.562	0.0	98	340692	50.0	
* 2 Chlorobenzene-d5	82	8.750	8.750	0.0	85	132614	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.487	11.487	0.0	97	89340	50.0	
\$ 103 Dibromofluoromethane	113	4.899	4.899	0.0	0	89560	51.9	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.227	5.227	0.0	0	105040	52.5	
\$ 6 Toluene-d8 (Surr)	98	7.180	7.180	0.0	93	330670	51.3	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.106	10.106	0.0	79	112586	48.7	
11 Dichlorodifluoromethane	85	1.425	1.425	0.0	85	39188	20.1	
12 Chloromethane	50	1.583	1.583	0.0	99	27818	20.4	
13 Vinyl chloride	62	1.681	1.681	0.0	82	36298	20.8	
14 Bromomethane	94	1.979	1.979	0.0	84	6903	20.2	
15 Chloroethane	64	2.076	2.076	0.0	94	19092	20.0	
16 Trichlorofluoromethane	101	2.319	2.319	0.0	76	58730	20.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.593	2.593	0.0	80	39655	20.2	
18 Acrolein	56	2.703	2.703	0.0	70	2176	20.1	
19 1,1-Dichloroethene	61	2.800	2.800	0.0	89	47685	22.1	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.812	2.812	0.0	84	18820	20.1	
21 Acetone	43	2.837	2.837	0.0	92	5990	15.8	
22 Iodomethane	142	2.934	2.934	0.0	96	11423	20.0	
23 Carbon disulfide	76	3.001	3.001	0.0	98	67696	22.6	
24 Acetonitrile	40	3.098	3.098	0.0	0	1301	21.2	M
25 Methyl acetate	43	3.153	3.153	0.0	95	20440	20.0	
26 Methylene Chloride	84	3.244	3.244	0.0	93	32570	20.4	
27 2-Methyl-2-propanol	59	3.354	3.354	0.0	73	5199	81.0	
28 Acrylonitrile	53	3.463	3.463	0.0	81	5898	23.1	
30 trans-1,2-Dichloroethene	61	3.506	3.506	0.0	86	53602	22.6	
29 Methyl tert-butyl ether	73	3.512	3.512	0.0	87	80709	20.1	
31 Hexane	57	3.773	3.773	0.0	93	23401	20.0	
32 1,1-Dichloroethane	63	3.895	3.895	0.0	84	64923	22.1	
33 Vinyl acetate	43	3.950	3.950	0.0	99	115599	44.8	

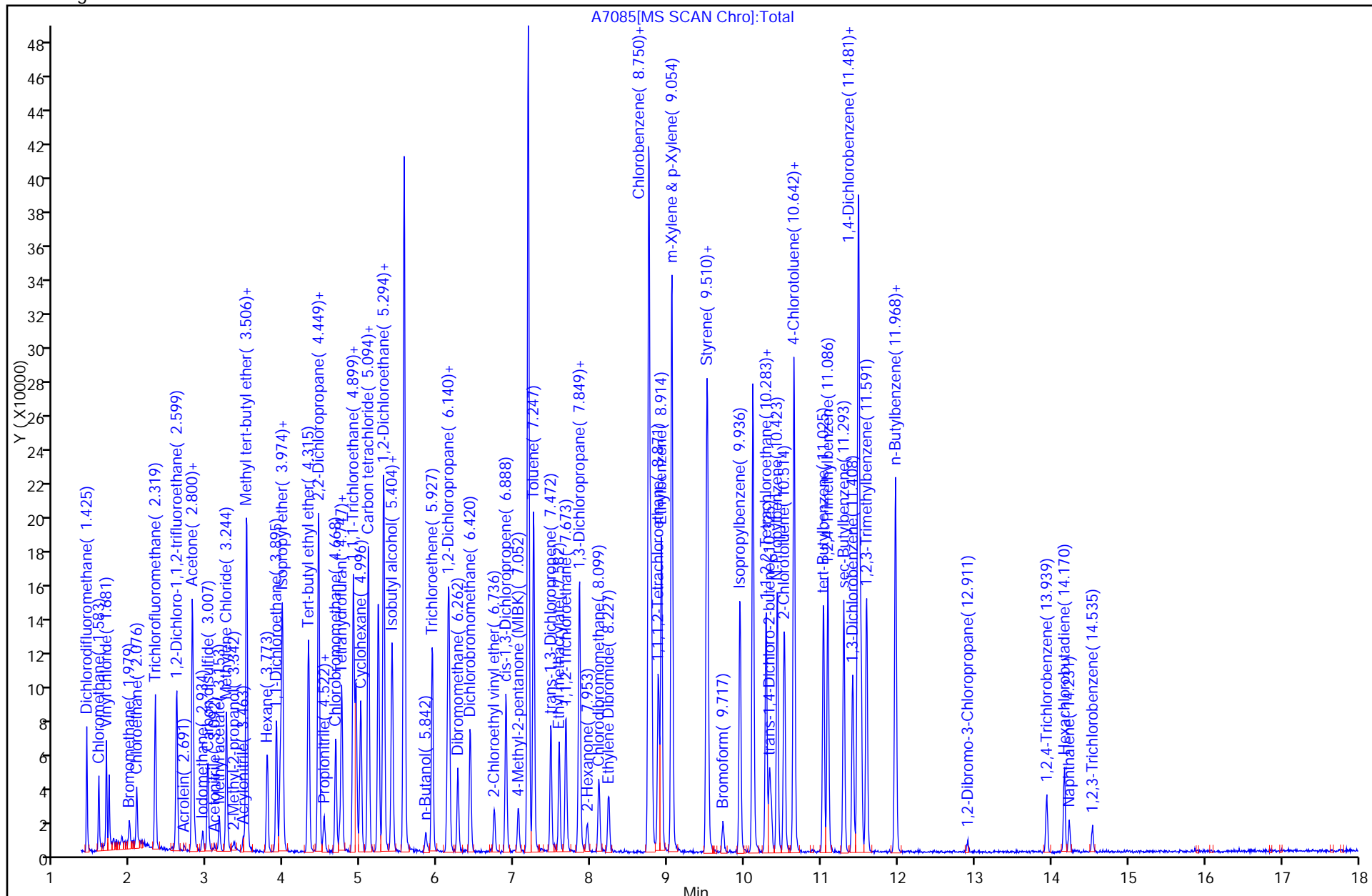
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.974	3.974	0.0	1	109265	22.5	M
35 Tert-butyl ethyl ether	59	4.315	4.315	0.0	94	99860	22.8	
37 cis-1,2-Dichloroethene	61	4.449	4.449	0.0	87	60486	21.7	
39 2-Butanone (MEK)	43	4.455	4.455	0.0	26	7569	21.4	
36 2,2-Dichloropropane	77	4.449	4.449	0.0	72	55749	21.9	
40 Butadiene	54	4.503	4.503	0.0	0	2053	29.1	M
41 Propionitrile	54	4.503	4.503	0.0	0	2053	28.2	M
38 Ethyl acetate	43	4.522	4.522	0.0	0	20302	20.3	
42 Chlorobromomethane	130	4.668	4.668	0.0	80	23659	22.8	
44 Chloroform	83	4.747	4.747	0.0	80	69828	20.0	
43 Tetrahydrofuran	42	4.722	4.722	0.0	81	4914	20.0	
45 1,1,1-Trichloroethane	97	4.935	4.935	0.0	96	56991	20.5	
46 Cyclohexane	56	4.996	4.996	0.0	88	36346	22.3	
48 1,1-Dichloropropene	75	5.094	5.094	0.0	93	49163	22.8	
47 Carbon tetrachloride	117	5.094	5.094	0.0	72	48138	23.4	
49 Benzene	78	5.288	5.288	0.0	94	137602	20.5	
50 1,2-Dichloroethane	62	5.300	5.300	0.0	56	53734	21.6	
51 Tert-amyl methyl ether	73	5.404	5.404	0.0	97	90531	22.9	
52 Isobutyl alcohol	41	5.404	5.404	0.0	42	11912	20.0	
53 n-Butanol	56	5.842	5.842	0.0	0	5921	773.1	
54 Trichloroethene	132	5.933	5.933	0.0	95	36224	21.4	
55 Methylcyclohexane	83	6.128	6.128	0.0	94	35160	22.6	
56 1,2-Dichloropropane	63	6.146	6.146	0.0	85	35680	20.3	
57 Dibromomethane	93	6.262	6.262	0.0	78	18669	20.4	
58 Dichlorobromomethane	83	6.426	6.426	0.0	95	45686	20.0	
59 2-Chloroethyl vinyl ether	63	6.730	6.730	0.0	84	10454	40.2	
60 cis-1,3-Dichloropropene	75	6.888	6.888	0.0	88	51599	20.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.046	7.046	0.0	86	16941	21.5	
62 Toluene	91	7.247	7.247	0.0	79	146816	20.0	
63 trans-1,3-Dichloropropene	75	7.472	7.472	0.0	89	41476	20.0	
64 Ethyl methacrylate	69	7.582	7.582	0.0	83	30598	24.3	
65 1,1,2-Trichloroethane	83	7.673	7.673	0.0	85	19791	22.6	
66 Tetrachloroethene	166	7.849	7.849	0.0	70	25518	20.4	
67 1,3-Dichloropropane	76	7.855	7.855	0.0	88	45957	22.7	
68 2-Hexanone	43	7.953	7.953	0.0	89	11106	20.4	
69 Chlorodibromomethane	129	8.099	8.099	0.0	80	25620	20.5	
70 Ethylene Dibromide	107	8.233	8.233	0.0	97	25870	20.0	
71 Chlorobenzene	112	8.780	8.780	0.0	82	92415	21.4	
72 1,1,1,2-Tetrachloroethane	131	8.871	8.871	0.0	83	31756	22.6	
73 Ethylbenzene	91	8.914	8.914	0.0	96	138864	21.4	
74 m-Xylene & p-Xylene	91	9.054	9.054	0.0	0	223096	43.4	
75 o-Xylene	91	9.504	9.504	0.0	92	117100	21.4	
76 Styrene	104	9.522	9.522	0.0	93	91024	22.6	
77 Bromoform	173	9.717	9.717	0.0	78	9026	20.0	
78 Isopropylbenzene	105	9.942	9.942	0.0	94	112219	21.6	
80 Bromobenzene	77	10.283	10.283	0.0	91	49601	21.4	
79 1,1,2,2-Tetrachloroethane	83	10.277	10.277	0.0	65	20897	20.0	
81 1,2,3-Trichloropropane	75	10.325	10.325	0.0	14	25875	20.3	
82 trans-1,4-Dichloro-2-butene	53	10.350	10.350	0.0	24	5599	23.0	
83 N-Propylbenzene	91	10.423	10.423	0.0	95	133399	21.9	
84 2-Chlorotoluene	91	10.520	10.520	0.0	94	88649	22.7	
85 1,3,5-Trimethylbenzene	105	10.642	10.642	0.0	88	100329	22.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.648	10.648	0.0	93	103566	20.0	
87 tert-Butylbenzene	119	11.025	11.025	0.0	90	84149	21.5	
88 1,2,4-Trimethylbenzene	105	11.086	11.086	0.0	58	102923	20.0	
89 sec-Butylbenzene	105	11.293	11.293	0.0	92	113170	20.0	
90 1,3-Dichlorobenzene	146	11.408	11.408	0.0	93	50044	21.0	
91 4-Isopropyltoluene	119	11.475	11.475	0.0	93	98523	22.9	
92 1,4-Dichlorobenzene	146	11.512	11.512	0.0	73	51174	22.0	
93 1,2,3-Trimethylbenzene	105	11.591	11.591	0.0	0	100485	22.6	
94 1,2-Dichlorobenzene	146	11.962	11.962	0.0	80	42881	20.0	
95 n-Butylbenzene	91	11.968	11.968	0.0	96	78636	22.3	
96 1,2-Dibromo-3-Chloropropane	157	12.911	12.911	0.0	10	1335	20.1	
97 1,2,4-Trichlorobenzene	180	13.939	13.939	0.0	82	11223	21.8	
98 Hexachlorobutadiene	225	14.170	14.170	0.0	79	8561	21.5	
99 Naphthalene	128	14.231	14.231	0.0	83	15577	23.5	
100 1,2,3-Trichlorobenzene	180	14.535	14.535	0.0	58	5366	20.0	
S 102 Total 1,2-dichloroethene	100				0		44.3	
S 101 Xylenes, Total	100				0		64.7	

## QC Flag Legend

## Review Flags

M - Manually Integrated



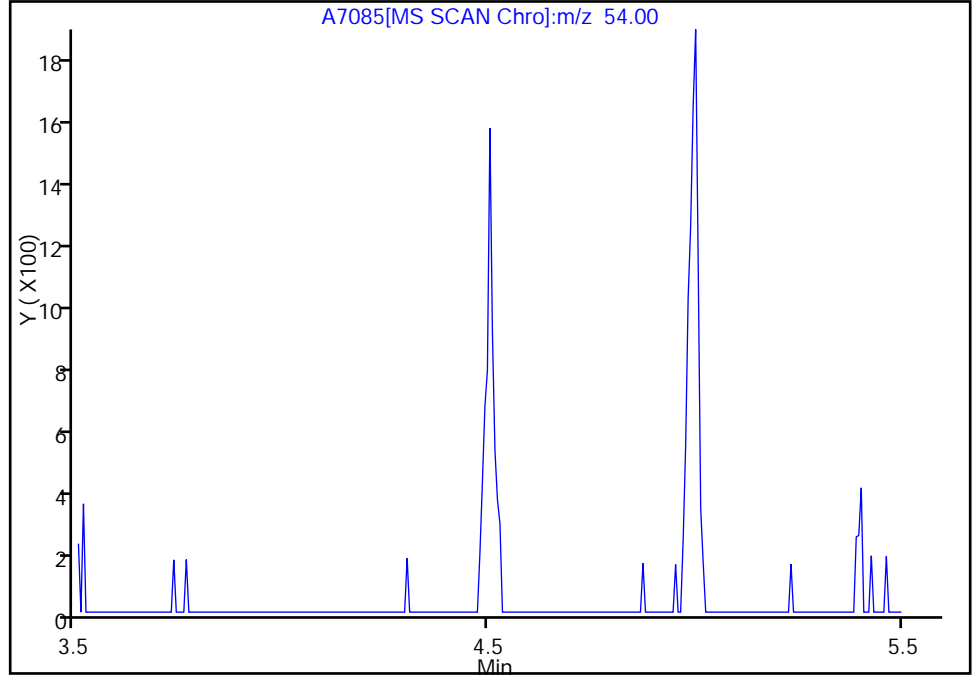


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D  
Injection Date: 21-Jan-2012 10:49:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 6  
Operator ID: JLH

41 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.50

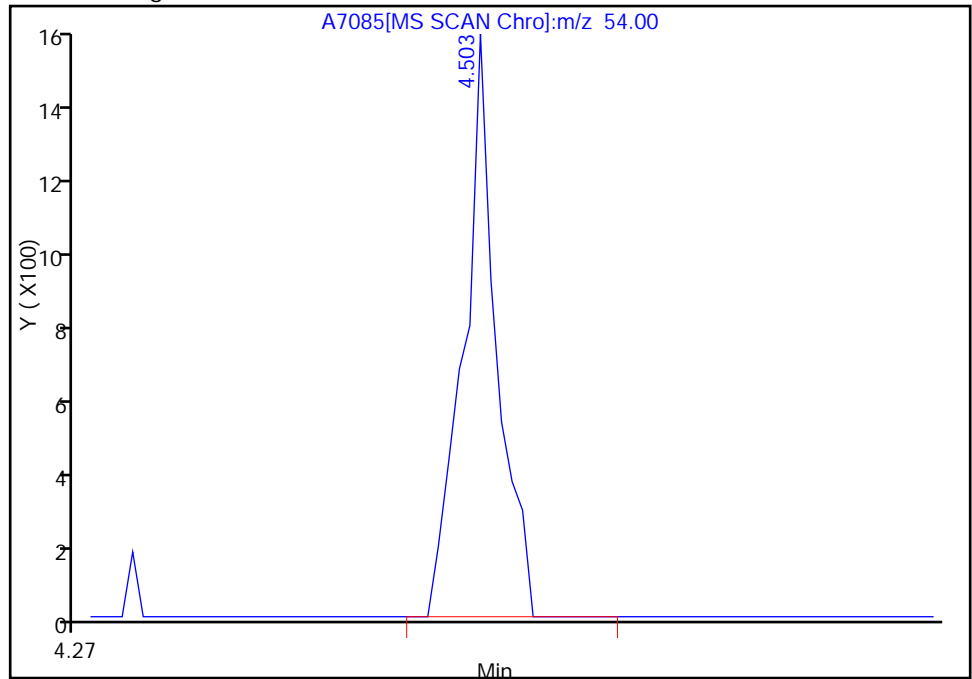
Not Detected  
Expected RT: 4.50

Processing Integration Results



Manual Integration Results

RT: 4.50  
Response: 2053  
Amount: 28.247751



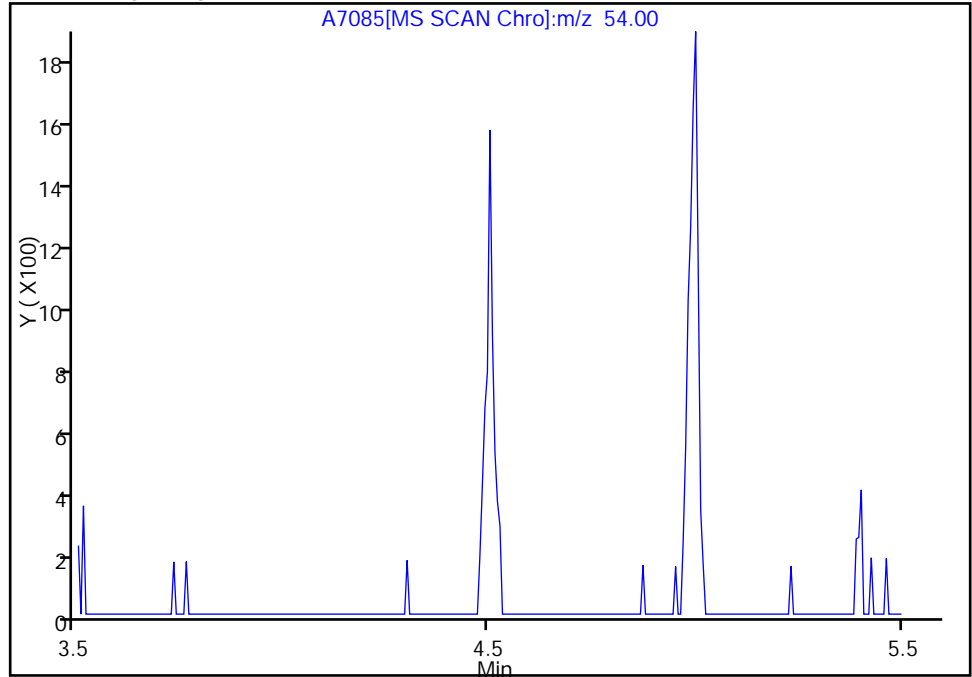
Reviewer: hallj, 21-Jan-2012 11:34:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D  
Injection Date: 21-Jan-2012 10:49:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 6  
Operator ID: JLH

40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.50

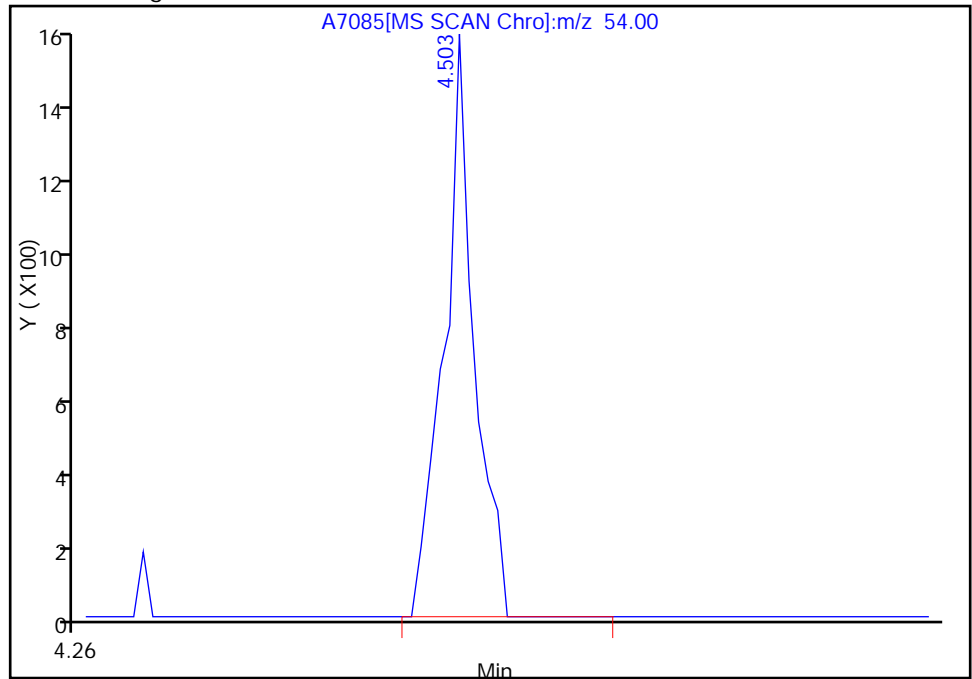
Not Detected  
Expected RT: 4.50

Processing Integration Results



Manual Integration Results

RT: 4.50  
Response: 2053  
Amount: 29.113509



Reviewer: hallj, 21-Jan-2012 11:34:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D

Injection Date: 21-Jan-2012 10:49:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

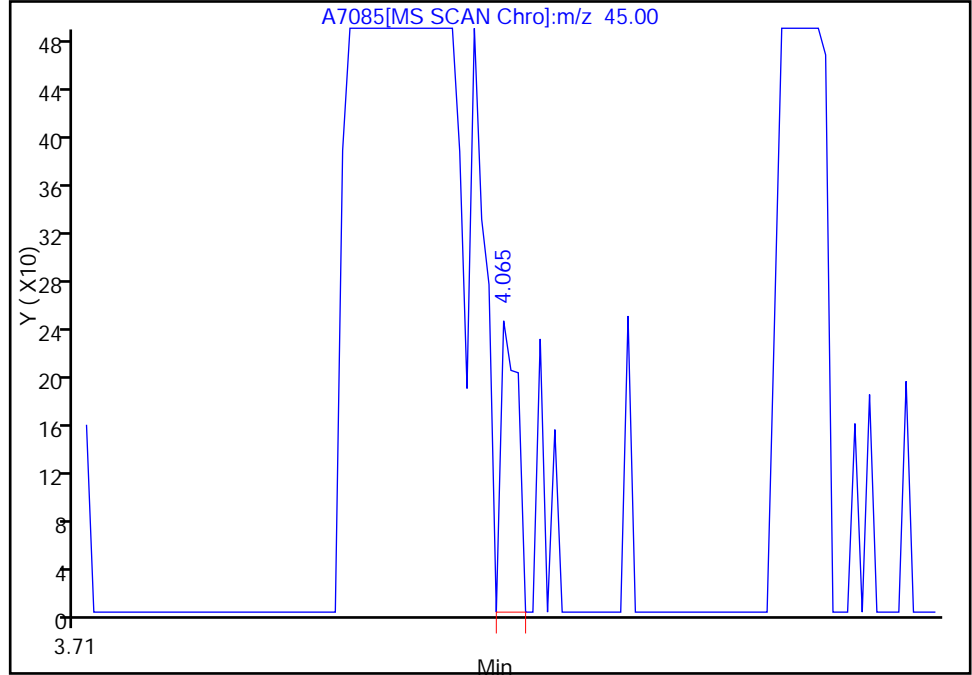
Lims Sample ID: 6

Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

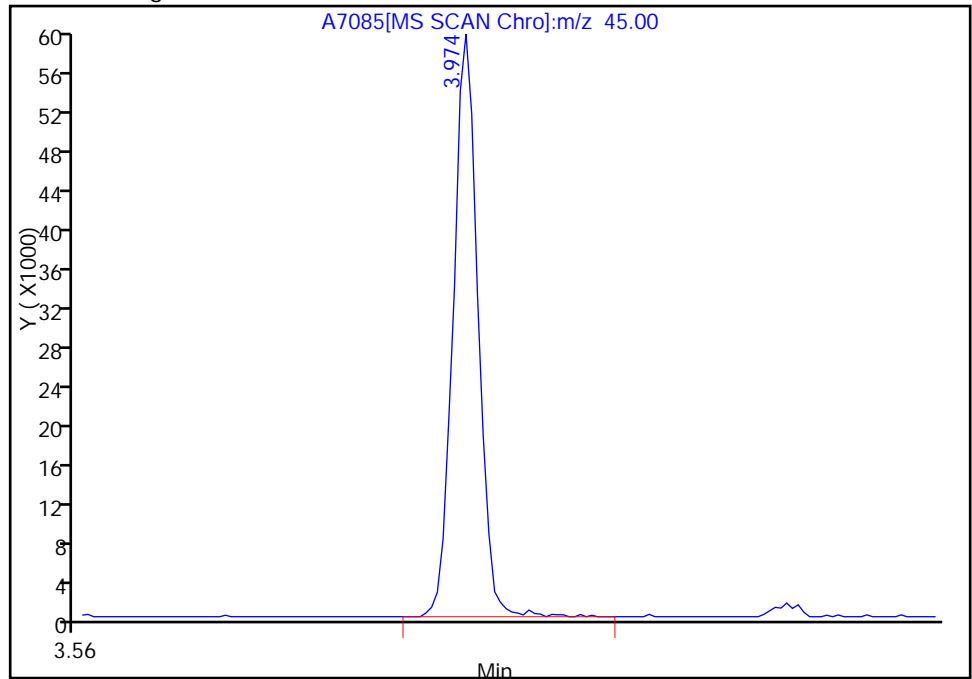
RT: 4.07  
Response: 233  
Amount: 0.066659

Processing Integration Results



RT: 3.97  
Response: 109265  
Amount: 22.490465

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 11:34:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7085.D

Injection Date: 21-Jan-2012 10:49:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

Instrument ID: VMSB

Lims Batch ID: 92688

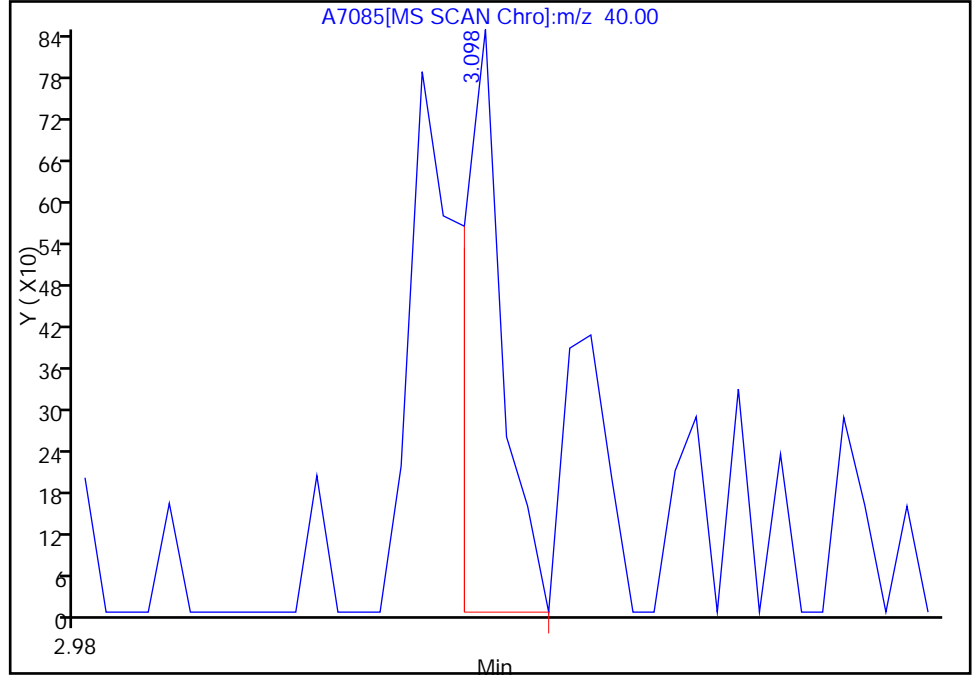
Lims Sample ID: 6

Operator ID: JLH

24 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.10

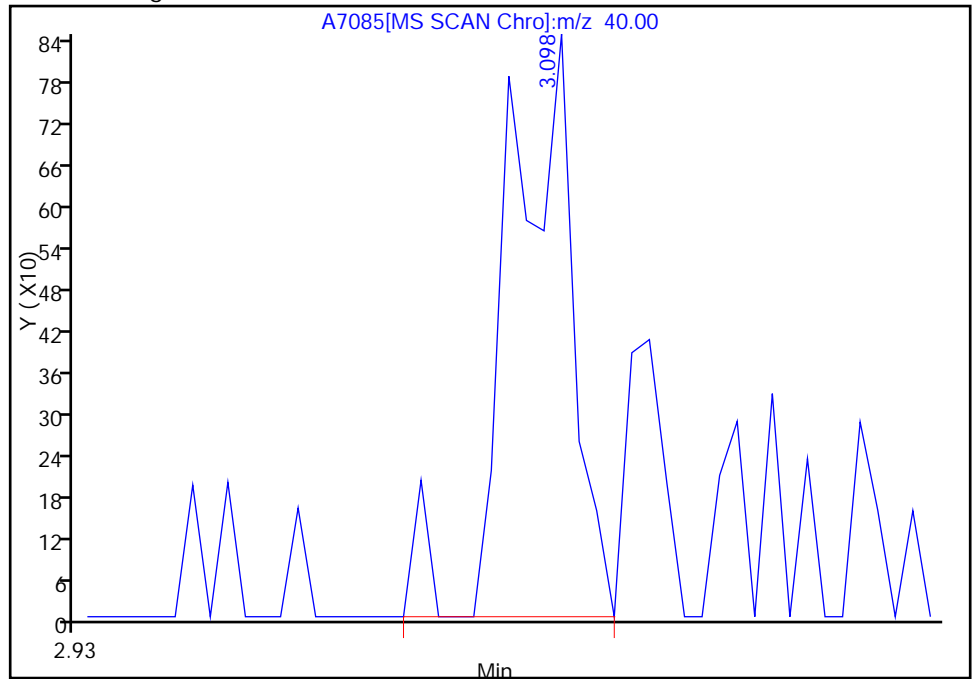
RT: 3.10  
Response: 658  
Amount: 5.901242

Processing Integration Results



RT: 3.10  
Response: 1301  
Amount: 21.183008

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 11:34:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
 Lims ID: STD050 Client ID:  
 Inject. Date: 21-Jan-2012 11:20:30 Dil. Factor: 1.0000  
 Sample Type: ICIS Calib Level: 6  
 Sample ID: STD050  
 Misc. Info.: 510-0006222-007 =510-0006222-007  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 6  
 Lims Batch ID: 92688 Lims Sample ID: 7  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 11:43:20 Calib Date: 21-Jan-2012 11:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 11:43:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.566	5.566	0.0	99	347277	50.0	
* 2 Chlorobenzene-d5	82	8.748	8.748	0.0	84	131155	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.485	11.485	0.0	96	89778	50.0	
\$ 103 Dibromofluoromethane	113	4.903	4.903	0.0	0	93194	52.5	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.225	5.225	0.0	0	105225	51.4	
\$ 6 Toluene-d8 (Surr)	98	7.178	7.178	0.0	93	328901	50.1	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.110	10.110	0.0	81	116607	50.1	
11 Dichlorodifluoromethane	85	1.423	1.423	0.0	88	110642	50.5	
12 Chloromethane	50	1.581	1.581	0.0	99	74486	52.9	
13 Vinyl chloride	62	1.679	1.679	0.0	84	106401	57.5	
14 Bromomethane	94	1.983	1.983	0.0	86	26755	50.0	
15 Chloroethane	64	2.074	2.074	0.0	95	52216	52.1	
16 Trichlorofluoromethane	101	2.324	2.324	0.0	93	157535	50.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.597	2.597	0.0	81	106457	50.8	
18 Acrolein	56	2.695	2.695	0.0	71	6707	50.8	
19 1,1-Dichloroethene	61	2.798	2.798	0.0	89	115469	51.9	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.810	2.810	0.0	87	53903	53.6	
21 Acetone	43	2.841	2.841	0.0	91	14545	49.9	
22 Iodomethane	142	2.938	2.938	0.0	97	40226	93.3	
23 Carbon disulfide	76	3.005	3.005	0.0	100	171230	54.8	
24 Acetonitrile	40	3.096	3.096	0.0	0	3542	51.2	M
25 Methyl acetate	43	3.151	3.151	0.0	97	48944	49.6	
26 Methylene Chloride	84	3.248	3.248	0.0	86	78128	52.1	
27 2-Methyl-2-propanol	59	3.346	3.346	0.0	91	13928	200.1	
28 Acrylonitrile	53	3.467	3.467	0.0	93	15036	56.0	
30 trans-1,2-Dichloroethene	61	3.510	3.510	0.0	79	128819	52.6	
29 Methyl tert-butyl ether	73	3.510	3.510	0.0	95	203999	50.8	
31 Hexane	57	3.778	3.778	0.0	93	55458	49.8	
32 1,1-Dichloroethane	63	3.899	3.899	0.0	85	160721	52.9	
33 Vinyl acetate	43	3.948	3.948	0.0	99	304718	112.3	M

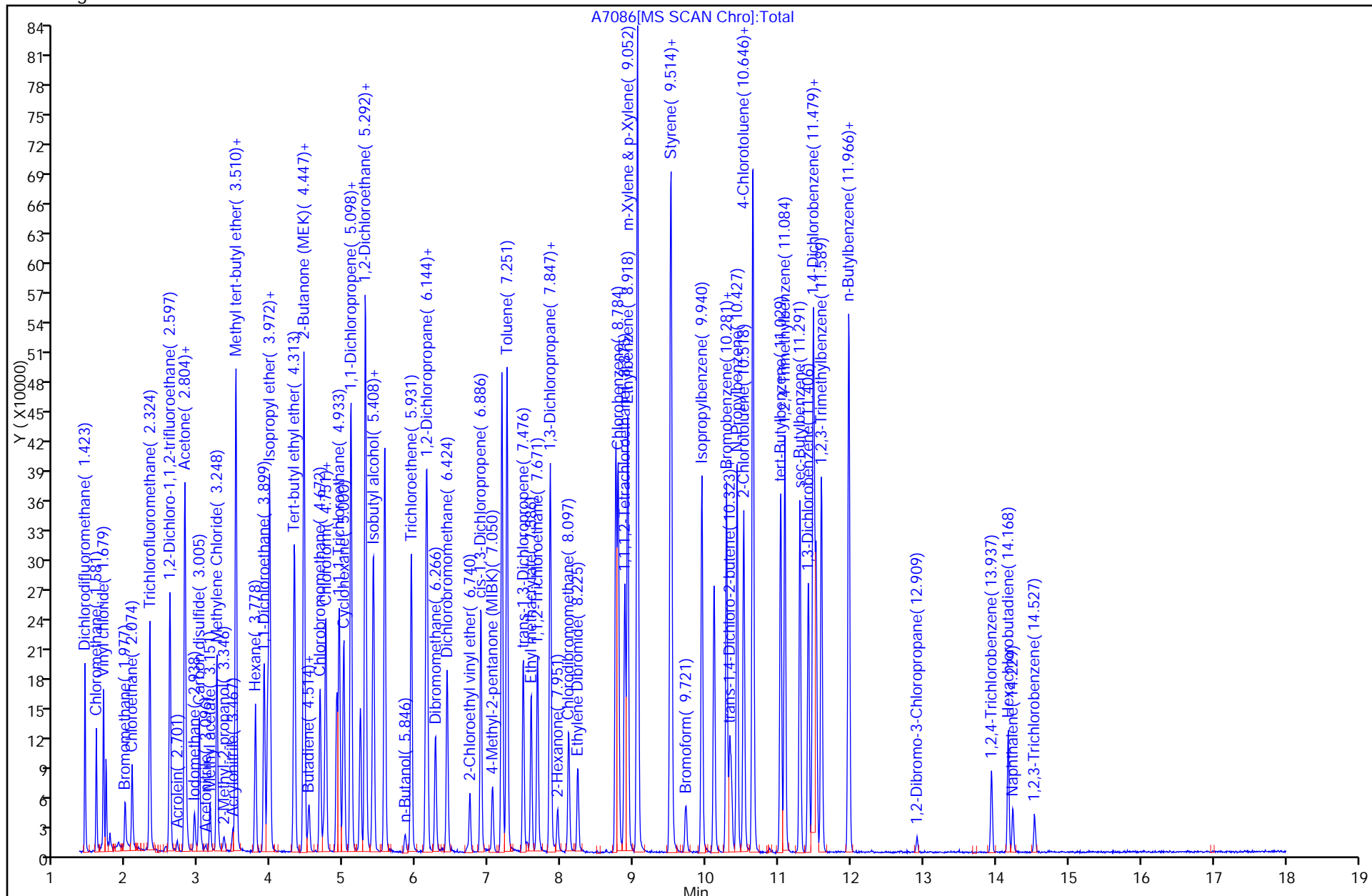
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.972	3.972	0.0	1	274768	54.3	M
35 Tert-butyl ethyl ether	59	4.313	4.313	0.0	96	250078	54.6	
36 2,2-Dichloropropane	77	4.447	4.447	0.0	75	141079	53.4	
37 cis-1,2-Dichloroethene	61	4.447	4.447	0.0	98	147186	51.4	
39 2-Butanone (MEK)	43	4.453	4.453	0.0	31	18820	51.7	
41 Propionitrile	54	4.508	4.508	0.0	1	4893	49.4	
40 Butadiene	54	4.508	4.508	0.0	0	4892	49.3	M
38 Ethyl acetate	43	4.520	4.520	0.0	0	46858	51.7	
42 Chlorobromomethane	130	4.672	4.672	0.0	87	58374	54.1	
43 Tetrahydrofuran	42	4.714	4.714	0.0	85	11758	50.0	
44 Chloroform	83	4.751	4.751	0.0	80	171549	52.3	
45 1,1,1-Trichloroethane	97	4.933	4.933	0.0	90	151496	52.6	
46 Cyclohexane	56	5.000	5.000	0.0	89	89371	52.9	
47 Carbon tetrachloride	117	5.104	5.104	0.0	92	122796	56.7	
48 1,1-Dichloropropene	75	5.092	5.092	0.0	91	121326	54.1	
49 Benzene	78	5.292	5.292	0.0	95	339673	49.9	
50 1,2-Dichloroethane	62	5.298	5.298	0.0	57	138099	53.5	
51 Tert-amyl methyl ether	73	5.408	5.408	0.0	97	220975	53.9	
52 Isobutyl alcohol	41	5.402	5.402	0.0	43	27097	49.4	
53 n-Butanol	56	5.846	5.846	0.0	0	9109	1042.1	
54 Trichloroethene	132	5.931	5.931	0.0	87	95110	54.0	
55 Methylcyclohexane	83	6.132	6.132	0.0	91	85089	52.9	
56 1,2-Dichloropropane	63	6.150	6.150	0.0	85	86108	51.9	
57 Dibromomethane	93	6.266	6.266	0.0	82	47009	52.3	
58 Dichlorobromomethane	83	6.424	6.424	0.0	91	119465	50.1	
59 2-Chloroethyl vinyl ether	63	6.740	6.740	0.0	92	23443	98.0	
60 cis-1,3-Dichloropropene	75	6.886	6.886	0.0	90	133688	50.0	
61 4-Methyl-2-pentanone (MIBK)	43	7.050	7.050	0.0	94	42217	51.0	
62 Toluene	91	7.251	7.251	0.0	88	357467	50.7	
63 trans-1,3-Dichloropropene	75	7.470	7.470	0.0	89	108299	50.1	
64 Ethyl methacrylate	69	7.586	7.586	0.0	93	77417	57.8	
65 1,1,2-Trichloroethane	83	7.665	7.665	0.0	86	48677	53.6	
66 Tetrachloroethene	166	7.847	7.847	0.0	75	65151	50.9	
67 1,3-Dichloropropane	76	7.853	7.853	0.0	91	113320	53.9	
68 2-Hexanone	43	7.945	7.945	0.0	91	29250	53.7	
69 Chlorodibromomethane	129	8.103	8.103	0.0	86	72849	50.4	
70 Ethylene Dibromide	107	8.231	8.231	0.0	99	61943	49.6	
71 Chlorobenzene	112	8.784	8.784	0.0	93	227943	52.6	
72 1,1,1,2-Tetrachloroethane	131	8.875	8.875	0.0	89	84379	58.3	
73 Ethylbenzene	91	8.918	8.918	0.0	96	336715	51.9	
74 m-Xylene & p-Xylene	91	9.052	9.052	0.0	0	540293	104.9	
75 o-Xylene	91	9.502	9.502	0.0	93	289104	52.6	
76 Styrene	104	9.520	9.520	0.0	94	234868	56.8	
77 Bromoform	173	9.721	9.721	0.0	88	27071	50.7	
78 Isopropylbenzene	105	9.940	9.940	0.0	96	278349	52.7	
79 1,1,2,2-Tetrachloroethane	83	10.281	10.281	0.0	65	54789	50.1	
80 Bromobenzene	77	10.281	10.281	0.0	92	129436	54.3	
81 1,2,3-Trichloropropane	75	10.323	10.323	0.0	37	63979	49.7	
82 trans-1,4-Dichloro-2-butene	53	10.348	10.348	0.0	36	14822	57.6	
83 N-Propylbenzene	91	10.427	10.427	0.0	97	330407	53.2	
84 2-Chlorotoluene	91	10.518	10.518	0.0	96	222921	55.2	
85 1,3,5-Trimethylbenzene	105	10.640	10.640	0.0	88	251087	54.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.646	10.646	0.0	93	254122	49.9	
87 tert-Butylbenzene	119	11.029	11.029	0.0	91	206856	52.0	
88 1,2,4-Trimethylbenzene	105	11.084	11.084	0.0	51	257678	54.5	
89 sec-Butylbenzene	105	11.291	11.291	0.0	94	277281	49.9	
90 1,3-Dichlorobenzene	146	11.412	11.412	0.0	96	130227	53.5	
91 4-Isopropyltoluene	119	11.473	11.473	0.0	89	244527	55.1	
92 1,4-Dichlorobenzene	146	11.516	11.516	0.0	86	132922	55.3	
93 1,2,3-Trimethylbenzene	105	11.589	11.589	0.0	0	252574	55.2	
94 1,2-Dichlorobenzene	146	11.966	11.966	0.0	73	107274	53.7	
95 n-Butylbenzene	91	11.972	11.972	0.0	96	203728	55.8	
96 1,2-Dibromo-3-Chloropropane	157	12.909	12.909	0.0	27	4124	50.6	
97 1,2,4-Trichlorobenzene	180	13.937	13.937	0.0	87	26575	51.1	
98 Hexachlorobutadiene	225	14.168	14.168	0.0	81	19849	49.8	
99 Naphthalene	128	14.229	14.229	0.0	96	38328	55.9	
100 1,2,3-Trichlorobenzene	180	14.527	14.527	0.0	75	11461	49.1	M
S 102 Total 1,2-dichloroethene	100				0		104.1	
S 101 Xylenes, Total	100				0		157.6	

## QC Flag Legend

Review Flags

M - Manually Integrated



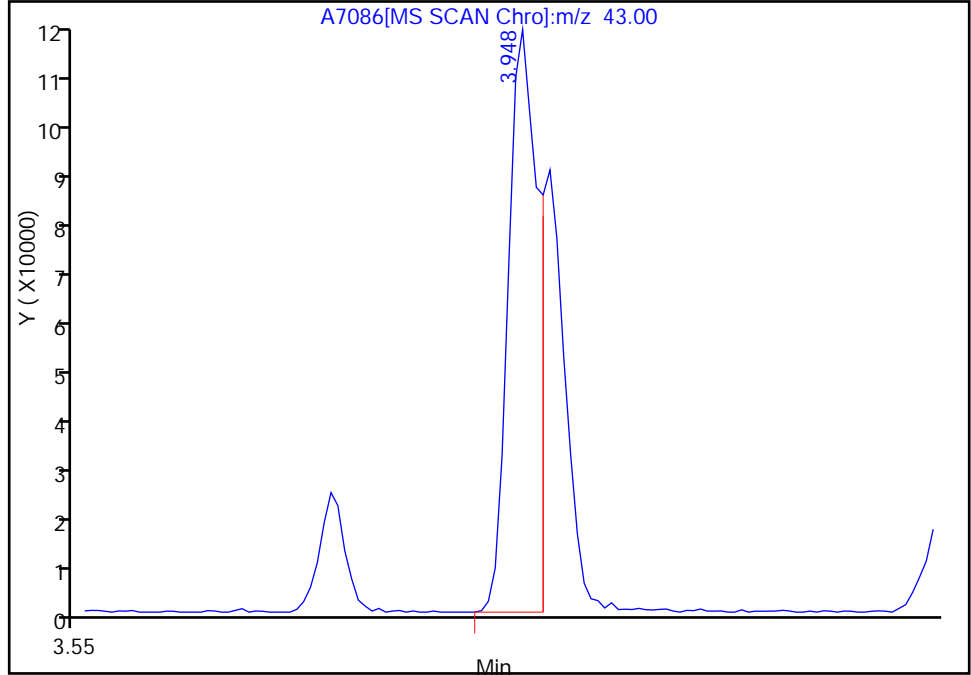


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
Injection Date: 21-Jan-2012 11:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 7  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.95

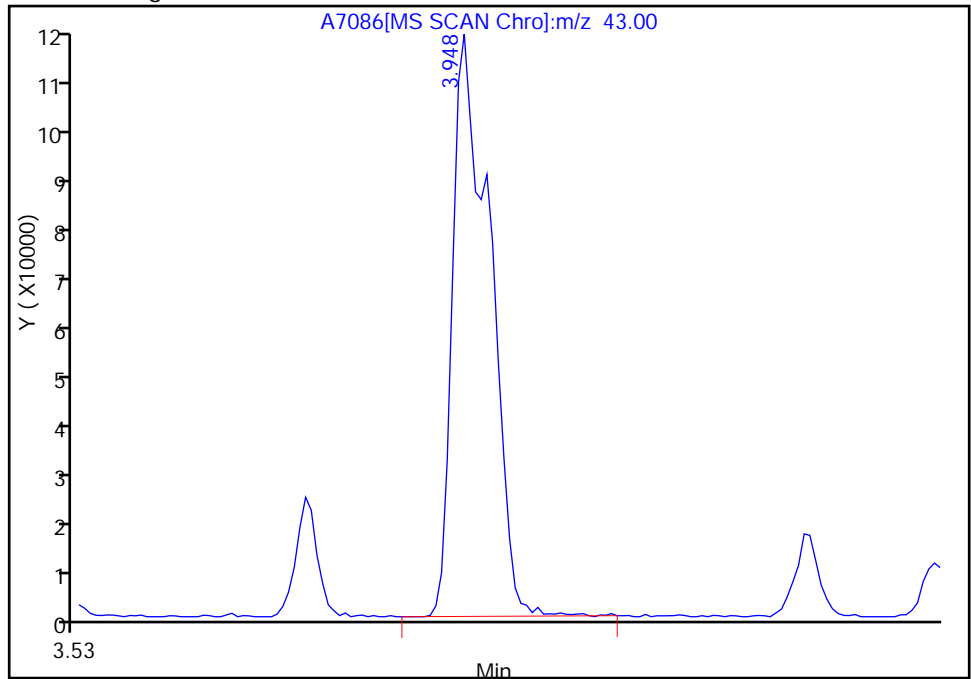
RT: 3.95  
Response: 208886  
Amount: 82.803040

Processing Integration Results



RT: 3.95  
Response: 304718  
Amount: 112.2619

Manual Integration Results



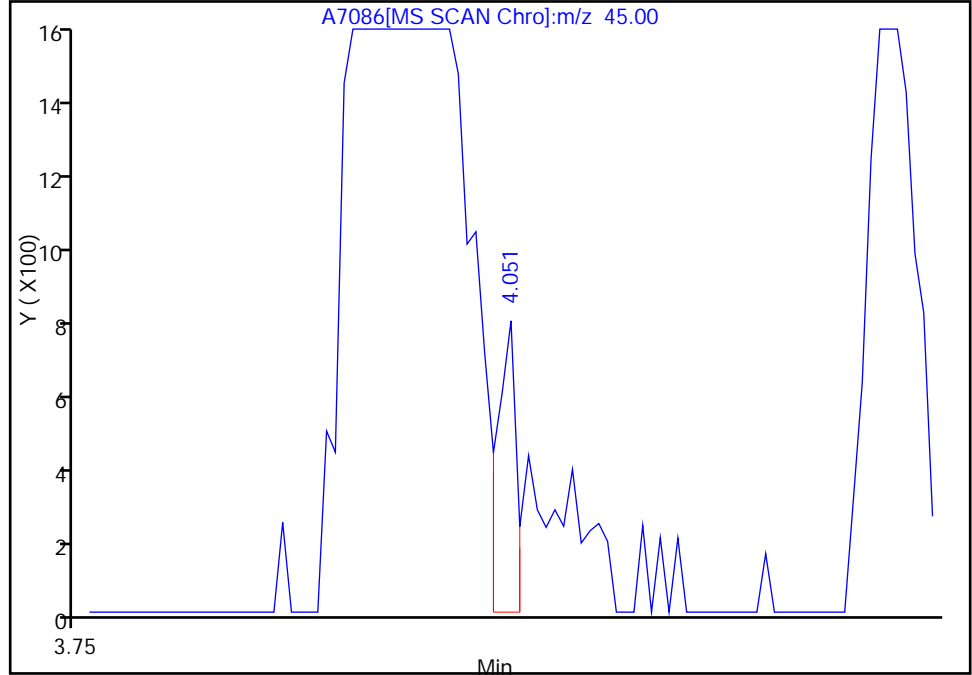
Reviewer: hallj, 21-Jan-2012 11:43:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
Injection Date: 21-Jan-2012 11:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 7  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

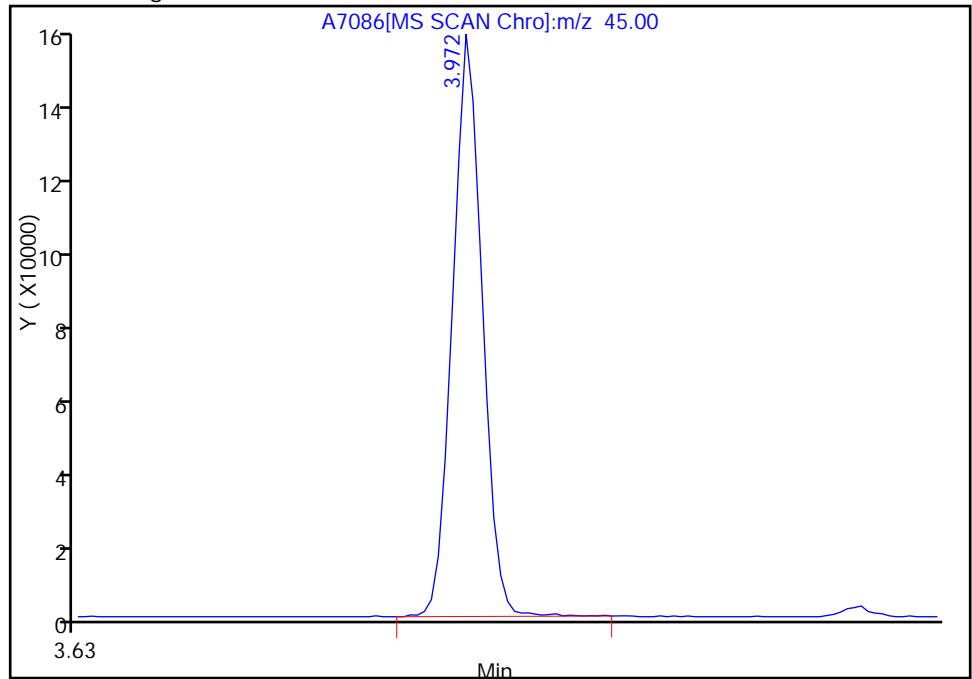
RT: 4.05  
Response: 723  
Amount: 0.182362

Processing Integration Results



RT: 3.97  
Response: 274768  
Amount: 54.293191

Manual Integration Results



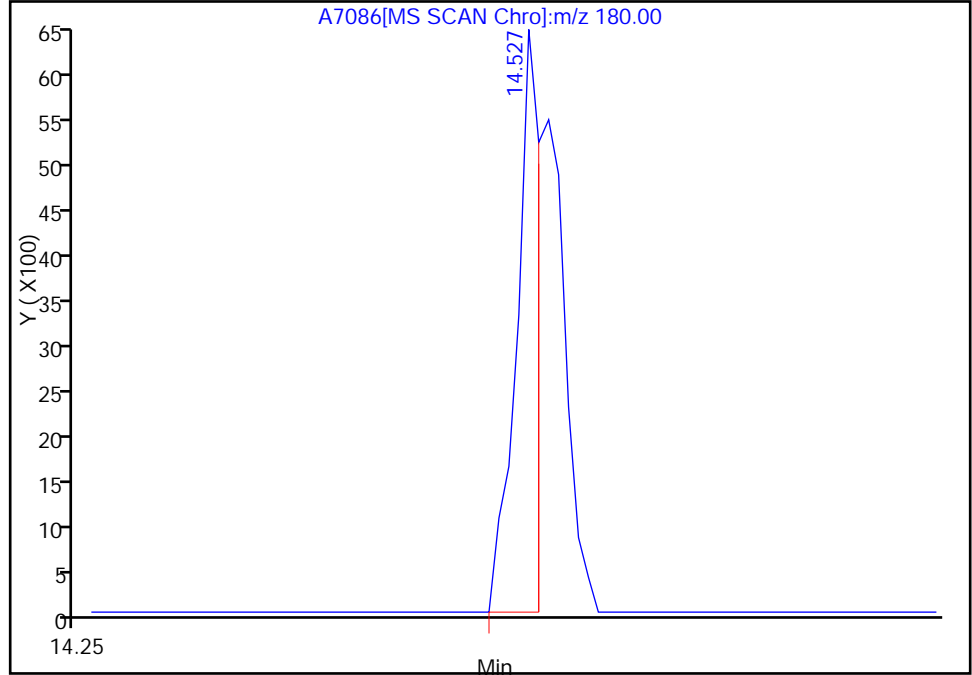
Reviewer: hallj, 21-Jan-2012 11:43:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
Injection Date: 21-Jan-2012 11:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 7  
Operator ID: JLH

100 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 14.53

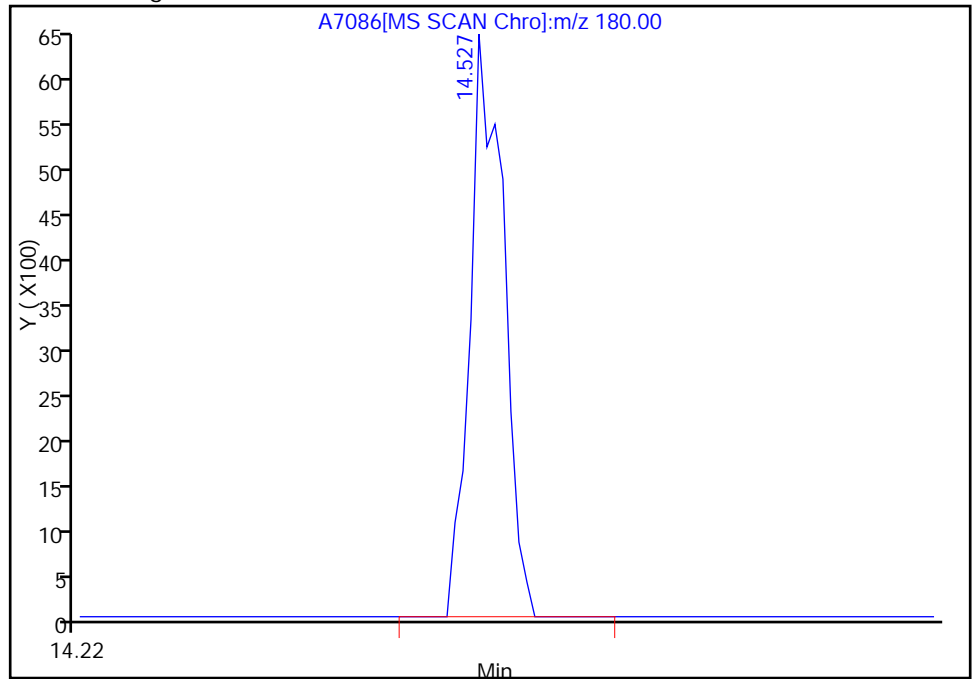
RT: 14.53  
Response: 6431  
Amount: 29.222475

Processing Integration Results



RT: 14.53  
Response: 11461  
Amount: 49.077150

Manual Integration Results



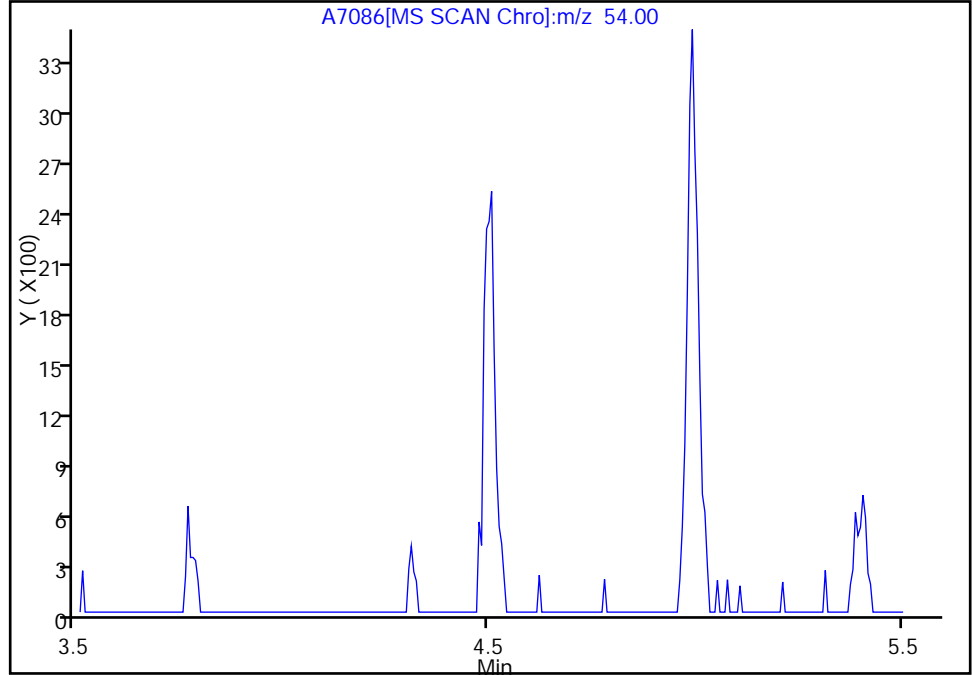
Reviewer: hallj, 21-Jan-2012 11:43:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
Injection Date: 21-Jan-2012 11:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 7  
Operator ID: JLH

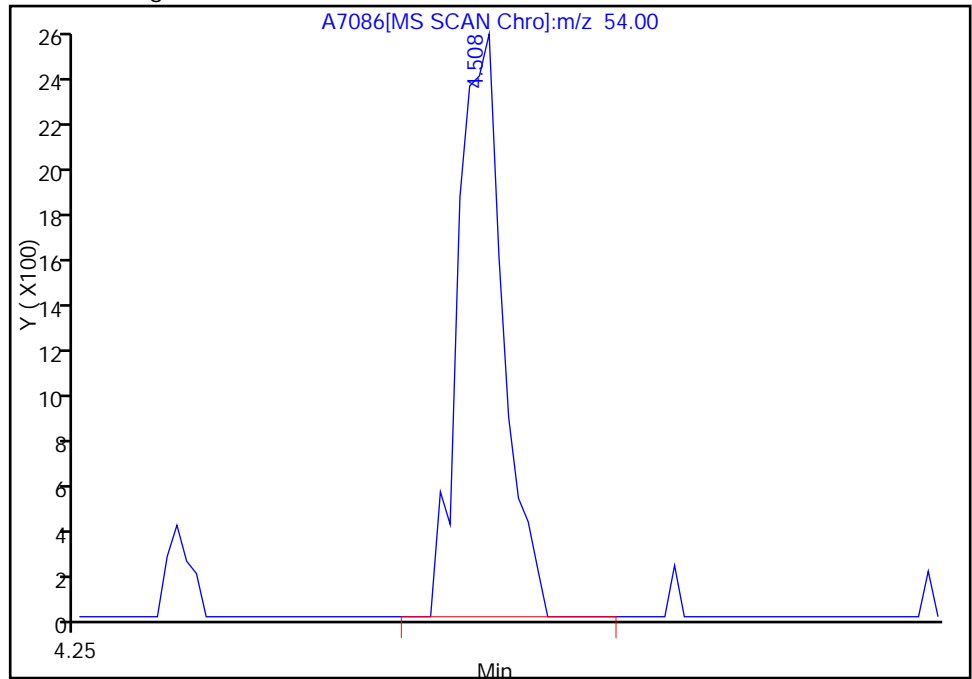
40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.51

Not Detected  
Expected RT: 4.51

Processing Integration Results



Manual Integration Results



RT: 4.51  
Response: 4892  
Amount: 49.288099

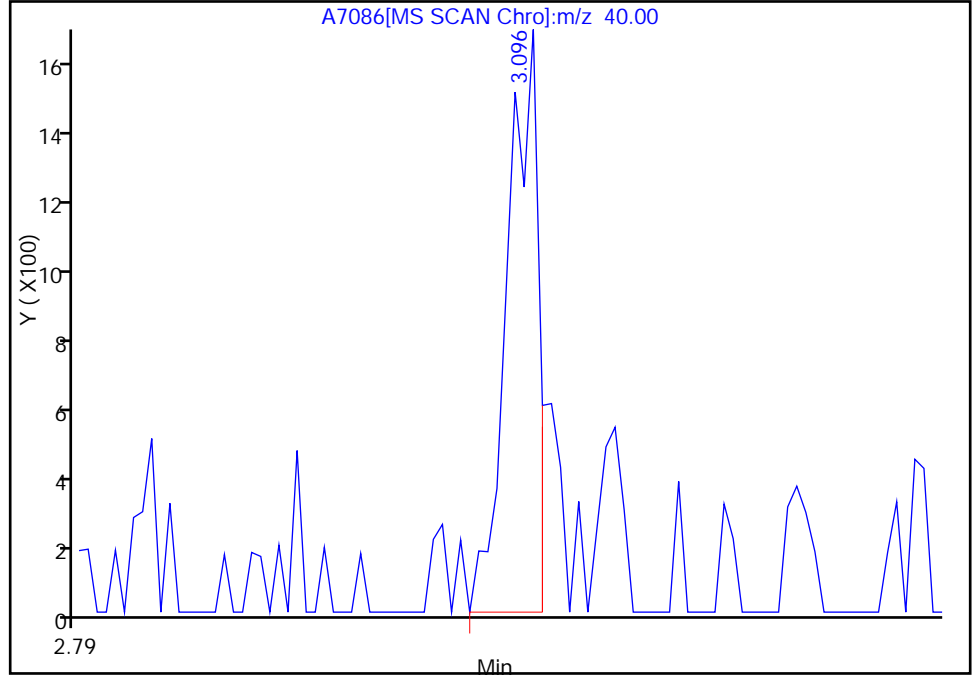
Reviewer: hallj, 21-Jan-2012 11:43:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7086.D  
Injection Date: 21-Jan-2012 11:20:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 7  
Operator ID: JLH

24 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.10

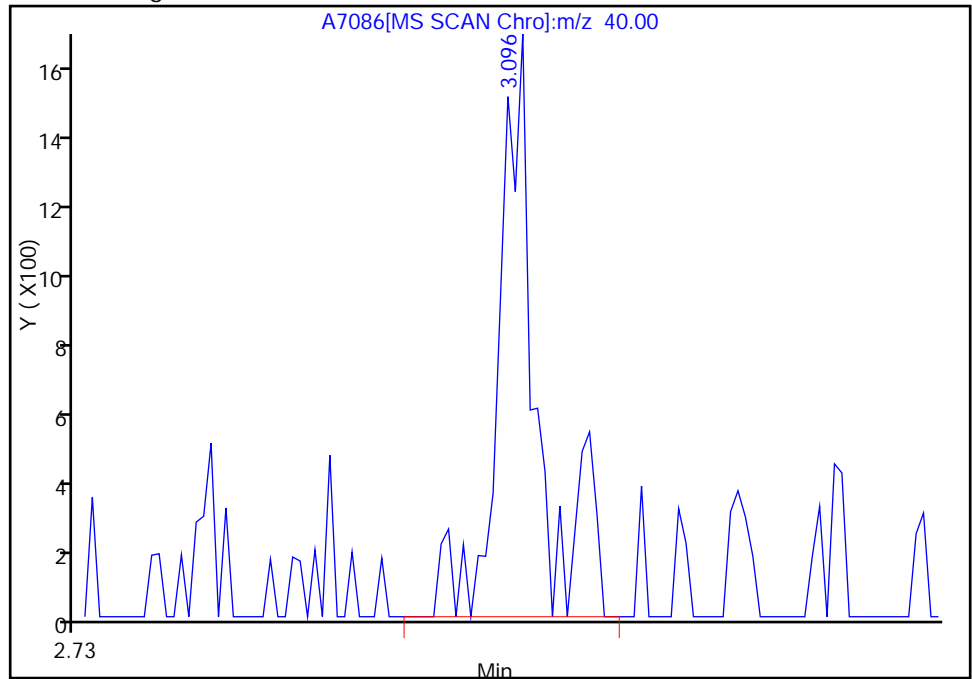
RT: 3.10  
Response: 2306  
Amount: 21.611195

Processing Integration Results



RT: 3.10  
Response: 3542  
Amount: 51.166035

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 11:43:20  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7087.D  
 Lims ID: STD100 Client ID:  
 Inject. Date: 21-Jan-2012 11:51:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: STD100  
 Misc. Info.: 510-0006222-008 =510-0006222-008  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 7  
 Lims Batch ID: 92688 Lims Sample ID: 8  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 12:25:47 Calib Date: 21-Jan-2012 11:51:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7087.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 12:25:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.566	5.566	0.0	98	359679	50.0	
* 2 Chlorobenzene-d5	82	8.754	8.748	0.006	85	135894	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.485	11.485	0.0	69	94274	50.0	
\$ 103 Dibromofluoromethane	113	4.897	4.903	-0.006	0	92349	50.2	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.225	5.225	0.0	0	107968	50.8	
\$ 6 Toluene-d8 (Surr)	98	7.178	7.178	0.0	93	336630	49.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.104	10.110	-0.006	80	118694	48.8	
11 Dichlorodifluoromethane	85	1.423	1.423	0.0	88	198923	97.3	
12 Chloromethane	50	1.581	1.581	0.0	89	142547	98.1	
13 Vinyl chloride	62	1.679	1.679	0.0	99	210058	107.8	
14 Bromomethane	94	1.977	1.983	-0.006	93	61560	101.7	
15 Chloroethane	64	2.074	2.074	0.0	98	105850	101.6	
16 Trichlorofluoromethane	101	2.324	2.324	0.0	93	286523	92.3	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.597	2.597	0.0	90	207311	96.3	
18 Acrolein	56	2.695	2.695	0.0	83	11521	99.7	
19 1,1-Dichloroethene	61	2.798	2.798	0.0	87	236049	102.0	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.810	2.810	0.0	88	95896	93.3	
21 Acetone	43	2.841	2.841	0.0	96	27212	98.4	
22 Iodomethane	142	2.938	2.938	0.0	99	88488	100.7	
23 Carbon disulfide	76	3.005	3.005	0.0	99	360997	109.4	
24 Acetonitrile	40	3.090	3.090	0.0	0	4769	45.7	
25 Methyl acetate	43	3.151	3.151	0.0	95	91423	98.5	
26 Methylene Chloride	84	3.248	3.248	0.0	84	161112	93.3	
27 2-Methyl-2-propanol	59	3.346	3.346	0.0	97	25660	390.1	
28 Acrylonitrile	53	3.467	3.467	0.0	95	28593	102.3	
29 Methyl tert-butyl ether	73	3.510	3.510	0.0	89	393209	104.4	
30 trans-1,2-Dichloroethene	61	3.510	3.510	0.0	85	257552	101.3	
31 Hexane	57	3.778	3.778	0.0	92	117850	100.4	
32 1,1-Dichloroethane	63	3.899	3.899	0.0	85	327994	103.4	
33 Vinyl acetate	43	3.948	3.948	0.0	99	585603	206.9	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.972	3.972	0.0	0	532204	101.3	M
35 Tert-butyl ethyl ether	59	4.319	4.313	0.006	96	481002	101.2	
36 2,2-Dichloropropane	77	4.453	4.447	0.006	78	289407	104.7	
37 cis-1,2-Dichloroethene	61	4.447	4.447	0.0	89	305939	102.7	
39 2-Butanone (MEK)	43	4.453	4.453	0.0	32	35288	94.6	
40 Butadiene	54	4.502	4.508	-0.006	0	10079	99.5	
41 Propionitrile	54	4.502	4.508	-0.006	44	10079	99.3	
38 Ethyl acetate	43	4.520	4.520	0.0	0	93360	99.6	
42 Chlorobromomethane	130	4.672	4.672	0.0	86	111507	99.8	
43 Tetrahydrofuran	42	4.721	4.714	0.007	86	22467	98.2	
44 Chloroform	83	4.751	4.751	0.0	79	340203	100.1	
45 1,1,1-Trichloroethane	97	4.933	4.933	0.0	97	315257	104.8	
46 Cyclohexane	56	4.994	5.000	-0.006	92	185428	105.0	
48 1,1-Dichloropropene	75	5.092	5.092	0.0	90	244861	104.4	
47 Carbon tetrachloride	117	5.098	5.104	-0.006	94	256472	111.6	
49 Benzene	78	5.292	5.292	0.0	95	683616	99.4	
50 1,2-Dichloroethane	62	5.298	5.298	0.0	50	265999	99.6	
52 Isobutyl alcohol	41	5.402	5.402	0.0	42	53610	103.8	
51 Tert-amyl methyl ether	73	5.408	5.408	0.0	97	439478	102.9	
53 n-Butanol	56	5.846	5.846	0.0	0	11075	1668.4	
54 Trichloroethene	132	5.931	5.931	0.0	91	196991	106.5	
55 Methylcyclohexane	83	6.132	6.132	0.0	92	179923	106.6	
56 1,2-Dichloropropane	63	6.150	6.150	0.0	84	175587	101.9	
57 Dibromomethane	93	6.260	6.266	-0.006	80	93017	99.9	
58 Dichlorobromomethane	83	6.424	6.424	0.0	93	246328	99.7	
59 2-Chloroethyl vinyl ether	63	6.740	6.740	0.0	87	38383	200.5	
60 cis-1,3-Dichloropropene	75	6.886	6.886	0.0	89	279314	99.9	
61 4-Methyl-2-pentanone (MIBK)	43	7.051	7.050	0.0	96	87501	111.3	
62 Toluene	91	7.251	7.251	0.0	91	701731	96.7	
63 trans-1,3-Dichloropropene	75	7.476	7.470	0.006	90	226725	99.9	
64 Ethyl methacrylate	69	7.586	7.586	0.0	93	162997	114.2	
65 1,1,2-Trichloroethane	83	7.671	7.665	0.006	88	95714	101.5	
66 Tetrachloroethene	166	7.841	7.847	-0.006	82	137433	103.1	
67 1,3-Dichloropropane	76	7.854	7.853	0.001	90	224307	102.5	
68 2-Hexanone	43	7.951	7.945	0.006	94	54744	106.7	
69 Chlorodibromomethane	129	8.103	8.103	0.0	89	153680	100.1	
70 Ethylene Dibromide	107	8.225	8.231	-0.006	100	132415	113.3	
71 Chlorobenzene	112	8.784	8.784	0.0	95	448853	100.0	
72 1,1,1,2-Tetrachloroethane	131	8.876	8.875	0.001	87	177422	114.7	
73 Ethylbenzene	91	8.918	8.918	0.0	97	684523	101.6	
74 m-Xylene & p-Xylene	91	9.052	9.052	0.0	0	1048367	197.0	
75 o-Xylene	91	9.502	9.502	0.0	92	575000	100.9	
76 Styrene	104	9.520	9.520	0.0	92	469748	108.0	
77 Bromoform	173	9.721	9.721	0.0	95	57599	100.2	
78 Isopropylbenzene	105	9.940	9.940	0.0	97	563575	101.3	
80 Bromobenzene	77	10.281	10.281	0.0	90	265658	105.1	
79 1,1,2,2-Tetrachloroethane	83	10.275	10.281	-0.006	67	107094	98.5	
81 1,2,3-Trichloropropane	75	10.329	10.323	0.006	34	127983	97.1	
82 trans-1,4-Dichloro-2-butene	53	10.348	10.348	0.0	53	31061	111.6	
83 N-Propylbenzene	91	10.427	10.427	0.0	96	655050	100.4	
84 2-Chlorotoluene	91	10.518	10.518	0.0	97	448309	104.8	
85 1,3,5-Trimethylbenzene	105	10.640	10.640	0.0	88	505032	102.8	

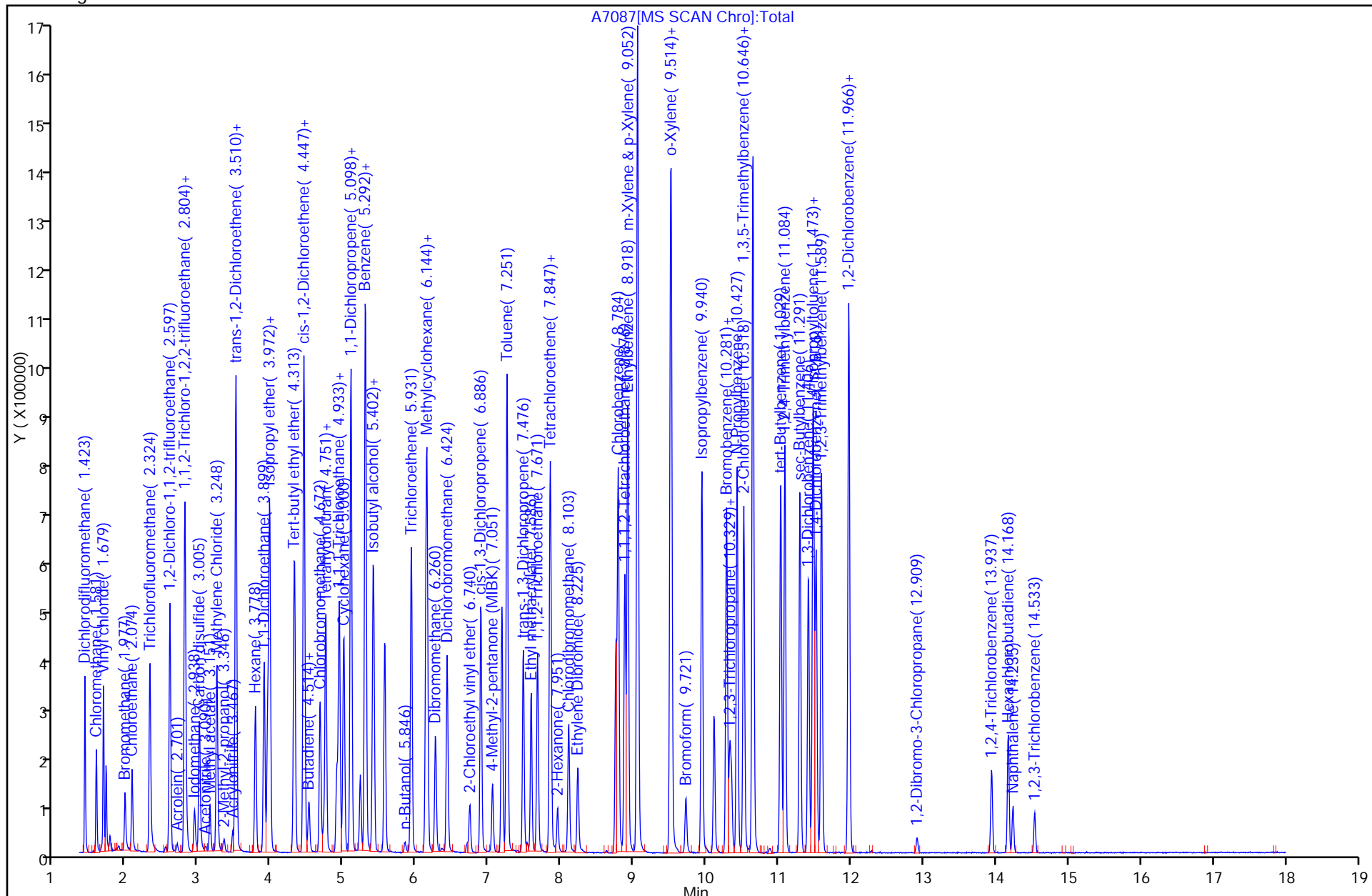
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.646	10.646	0.0	93	509088	100.6	
87 tert-Butylbenzene	119	11.029	11.029	0.0	90	429408	102.4	
88 1,2,4-Trimethylbenzene	105	11.084	11.084	0.0	56	516182	103.3	
89 sec-Butylbenzene	105	11.291	11.291	0.0	95	575075	102.5	
90 1,3-Dichlorobenzene	146	11.412	11.412	0.0	95	257675	100.6	
91 4-Isopropyltoluene	119	11.473	11.473	0.0	92	498330	105.8	
92 1,4-Dichlorobenzene	146	11.516	11.516	0.0	87	263522	103.6	
93 1,2,3-Trimethylbenzene	105	11.589	11.589	0.0	0	500902	103.5	
94 1,2-Dichlorobenzene	146	11.960	11.966	-0.006	80	212601	101.2	
95 n-Butylbenzene	91	11.972	11.972	0.0	97	414541	106.7	
96 1,2-Dibromo-3-Chloropropane	157	12.915	12.909	0.006	38	9058	104.3	
97 1,2,4-Trichlorobenzene	180	13.943	13.937	0.006	88	52602	96.9	
98 Hexachlorobutadiene	225	14.174	14.168	0.006	93	43415	103.0	
99 Naphthalene	128	14.235	14.229	0.006	97	82824	112.2	
100 1,2,3-Trichlorobenzene	180	14.533	14.527	0.006	90	24565	100.1	
S 102 Total 1,2-dichloroethene	100				0		204.0	
S 101 Xylenes, Total	100				0		297.9	

## QC Flag Legend

## Review Flags

M - Manually Integrated



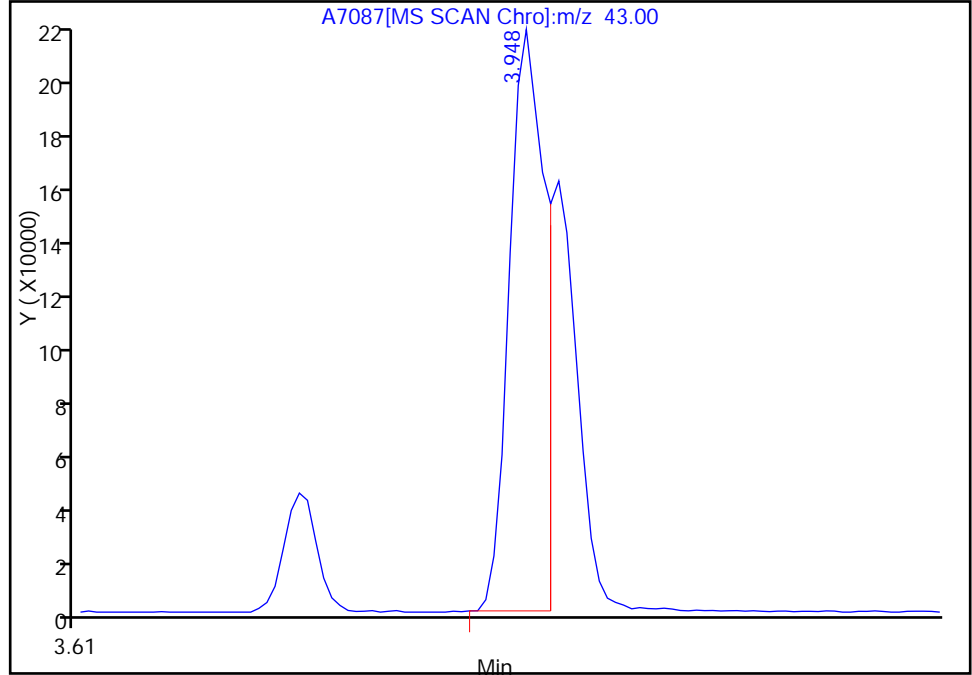


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7087.D  
Injection Date: 21-Jan-2012 11:51:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 8  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.95

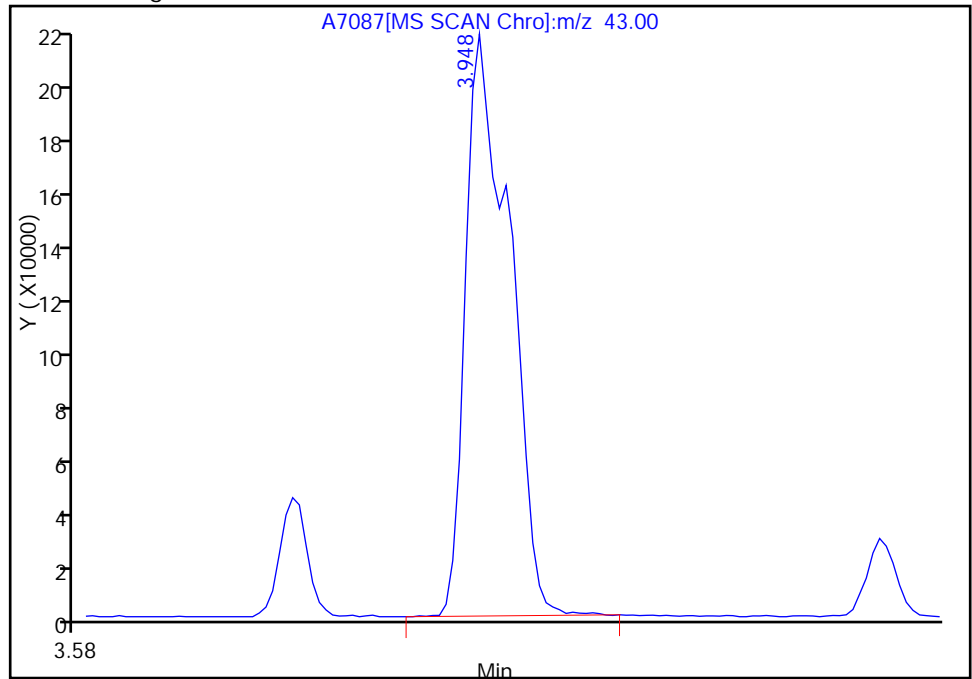
RT: 3.95  
Response: 402137  
Amount: 179.8249

Processing Integration Results



RT: 3.95  
Response: 585603  
Amount: 206.8728

Manual Integration Results



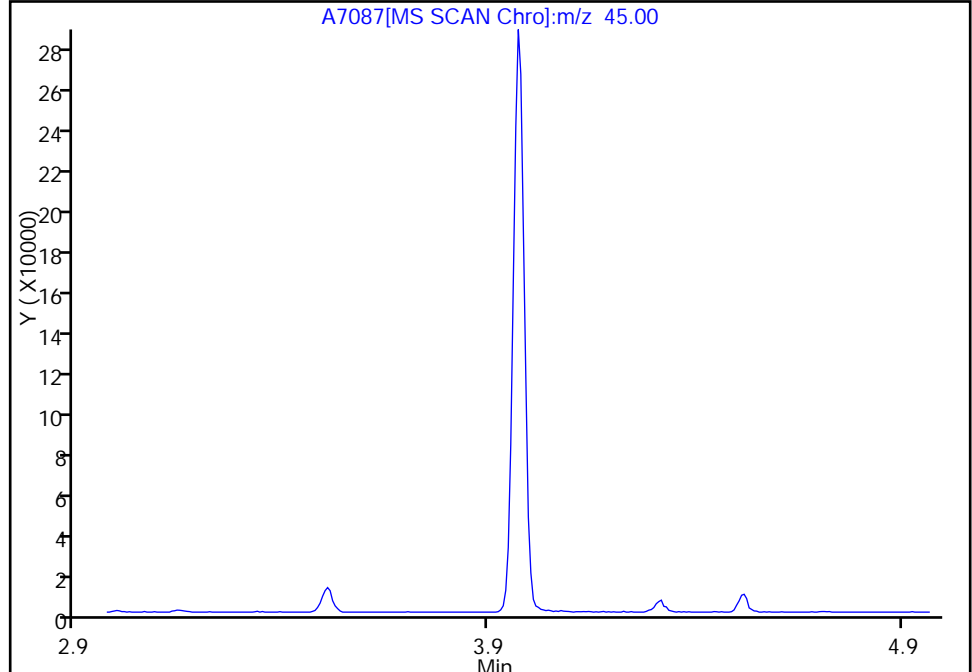
Reviewer: hallj, 21-Jan-2012 12:25:47  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7087.D  
Injection Date: 21-Jan-2012 11:51:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 8  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

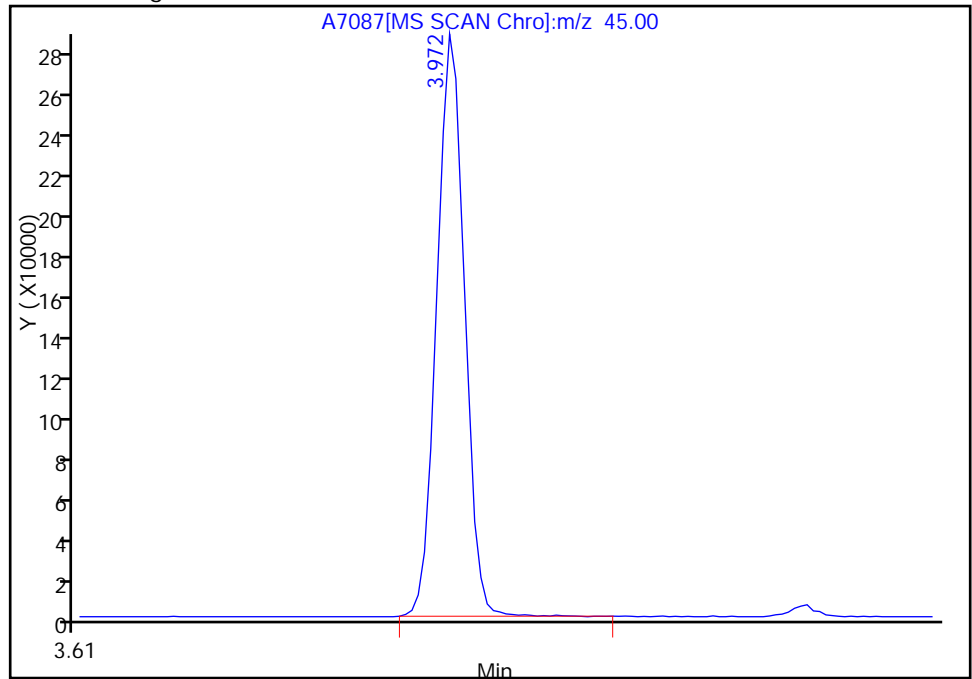
Not Detected  
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97  
Response: 532204  
Amount: 101.2764



Reviewer: hallj, 21-Jan-2012 12:25:47  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7088.D  
 Lims ID: STD150 Client ID:  
 Inject. Date: 21-Jan-2012 12:22:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 8  
 Sample ID: STD150  
 Misc. Info.: 510-0006222-009 =510-0006222-009  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 8  
 Lims Batch ID: 92688 Lims Sample ID: 9  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 12:49:41 Calib Date: 21-Jan-2012 12:22:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7088.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 12:49:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.562	5.566	-0.004	98	352707	50.0	
* 2 Chlorobenzene-d5	82	8.749	8.748	0.001	85	138009	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.487	11.485	0.002	64	93371	50.0	
\$ 103 Dibromofluoromethane	113	4.905	4.903	0.002	0	91511	50.6	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.227	5.225	0.002	0	105126	50.3	
\$ 6 Toluene-d8 (Surr)	98	7.180	7.178	0.002	92	338000	50.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.106	10.110	-0.004	83	122855	50.9	
11 Dichlorodifluoromethane	85	1.425	1.423	0.002	88	345219	167.0	
12 Chloromethane	50	1.583	1.581	0.002	87	241164	166.2	
13 Vinyl chloride	62	1.680	1.679	0.001	83	351491	178.3	
14 Bromomethane	94	1.979	1.983	-0.004	92	117817	150.7	
15 Chloroethane	64	2.076	2.074	0.002	92	169121	163.1	
16 Trichlorofluoromethane	101	2.319	2.324	-0.005	79	486038	158.2	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.599	2.597	0.002	86	333065	156.6	
18 Acrolein	56	2.696	2.695	0.001	84	20652	214.1	
19 1,1-Dichloroethene	61	2.800	2.798	0.002	90	351560	154.2	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.812	2.810	0.002	89	167826	164.0	
21 Acetone	43	2.836	2.841	-0.005	97	40689	150.5	
22 Iodomethane	142	2.934	2.938	-0.004	99	144534	154.4	
23 Carbon disulfide	76	3.007	3.005	0.002	99	543127	165.0	
24 Acetonitrile	40	3.086	3.090	-0.004	0	7433	78.4	
25 Methyl acetate	43	3.153	3.151	0.002	94	145982	158.8	
26 Methylene Chloride	84	3.244	3.248	-0.004	88	237679	141.6	
27 2-Methyl-2-propanol	59	3.341	3.346	-0.005	96	37719	594.9	
28 Acrylonitrile	53	3.463	3.467	-0.004	99	47606	169.8	
29 Methyl tert-butyl ether	73	3.512	3.510	0.002	88	598442	160.2	
30 trans-1,2-Dichloroethene	61	3.505	3.510	-0.005	81	389446	155.3	
31 Hexane	57	3.779	3.778	0.001	93	181163	152.2	
32 1,1-Dichloroethane	63	3.901	3.899	0.002	96	484436	154.9	
33 Vinyl acetate	43	3.944	3.944	0.0	99	902001	321.1	M

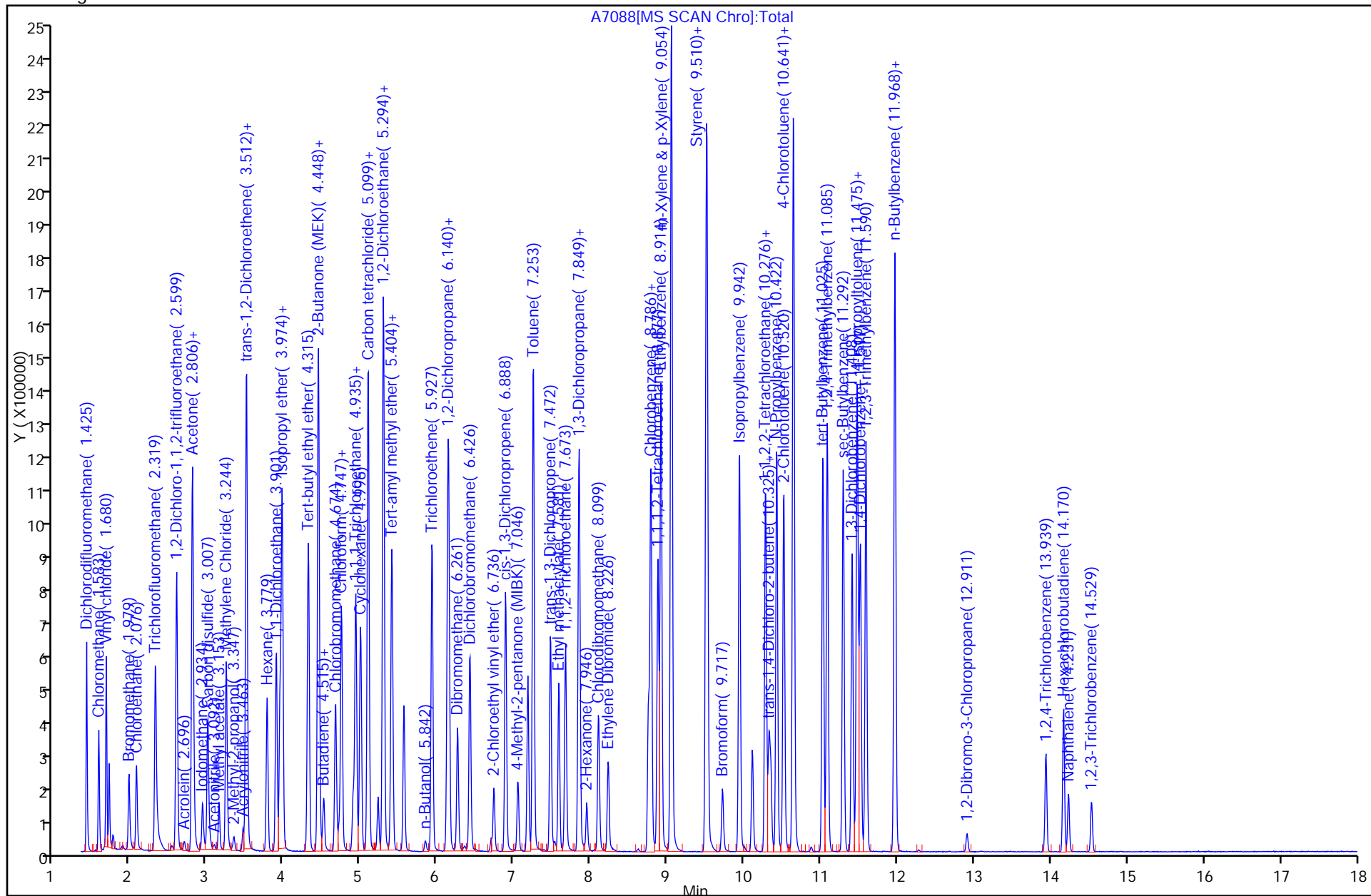
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.974	3.974	0.0	0	767495	149.1	M
35 Tert-butyl ethyl ether	59	4.315	4.313	0.002	96	714011	152.7	
36 2,2-Dichloropropane	77	4.448	4.447	0.001	75	427825	156.7	
37 cis-1,2-Dichloroethene	61	4.448	4.447	0.001	89	447070	152.6	
39 2-Butanone (MEK)	43	4.448	4.453	-0.005	32	53317	146.4	
40 Butadiene	54	4.503	4.503	0.0	0	14910	149.9	M
41 Propionitrile	54	4.503	4.508	-0.005	21	14423	147.7	
38 Ethyl acetate	43	4.515	4.520	-0.005	0	140426	152.4	
42 Chlorobromomethane	130	4.674	4.672	0.002	87	164774	150.3	
43 Tetrahydrofuran	42	4.722	4.714	0.008	83	34880	151.4	
44 Chloroform	83	4.747	4.751	-0.005	81	498957	149.8	
45 1,1,1-Trichloroethane	97	4.935	4.933	0.002	91	461851	155.5	
46 Cyclohexane	56	4.996	5.000	-0.004	91	273513	156.7	
48 1,1-Dichloropropene	75	5.093	5.092	0.001	92	365384	157.6	
47 Carbon tetrachloride	117	5.099	5.104	-0.005	81	391230	169.8	
49 Benzene	78	5.294	5.292	0.002	96	973640	148.1	
50 1,2-Dichloroethane	62	5.300	5.298	0.002	58	391412	149.6	
52 Isobutyl alcohol	41	5.404	5.402	0.002	43	82589	161.1	
51 Tert-amyl methyl ether	73	5.404	5.408	-0.004	96	644706	153.3	
53 n-Butanol	56	5.842	5.846	-0.004	0	16692	2376.2	
54 Trichloroethene	132	5.927	5.931	-0.004	90	288687	157.8	
55 Methylcyclohexane	83	6.134	6.132	0.002	90	270864	161.5	
56 1,2-Dichloropropane	63	6.146	6.150	-0.004	83	258718	152.6	
57 Dibromomethane	93	6.261	6.266	-0.005	82	142676	155.3	
58 Dichlorobromomethane	83	6.426	6.424	0.002	92	364614	150.0	
59 2-Chloroethyl vinyl ether	63	6.736	6.740	-0.004	93	73884	373.5	
60 cis-1,3-Dichloropropene	75	6.888	6.886	0.002	91	411908	149.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.052	7.050	0.002	96	129342	164.9	
62 Toluene	91	7.253	7.251	0.002	94	1035904	146.2	
63 trans-1,3-Dichloropropene	75	7.472	7.470	0.002	90	354503	152.5	
64 Ethyl methacrylate	69	7.581	7.586	-0.005	90	242299	169.4	
65 1,1,2-Trichloroethane	83	7.673	7.665	0.008	93	150474	160.8	
66 Tetrachloroethene	166	7.843	7.847	-0.004	86	203951	155.2	
67 1,3-Dichloropropane	76	7.855	7.853	0.002	92	332641	154.2	
68 2-Hexanone	43	7.946	7.945	0.001	97	87376	169.8	
69 Chlorodibromomethane	129	8.099	8.103	-0.005	89	242234	152.9	
70 Ethylene Dibromide	107	8.226	8.231	-0.005	99	199459	170.2	
71 Chlorobenzene	112	8.786	8.784	0.002	95	680614	149.5	
72 1,1,1,2-Tetrachloroethane	131	8.877	8.875	0.002	88	272957	170.0	
73 Ethylbenzene	91	8.914	8.918	-0.004	97	1026117	149.9	
74 m-Xylene & p-Xylene	91	9.054	9.052	0.002	0	1526601	284.9	
75 o-Xylene	91	9.504	9.502	0.002	91	857691	148.4	
76 Styrene	104	9.516	9.520	-0.004	90	706196	158.3	
77 Bromoform	173	9.717	9.721	-0.004	95	92909	152.2	
78 Isopropylbenzene	105	9.942	9.940	0.002	96	859949	155.1	
80 Bromobenzene	77	10.276	10.281	-0.005	89	399199	158.0	
79 1,1,2,2-Tetrachloroethane	83	10.276	10.281	-0.005	61	163114	150.4	
81 1,2,3-Trichloropropane	75	10.325	10.323	0.002	36	207913	156.3	
82 trans-1,4-Dichloro-2-butene	53	10.343	10.348	-0.005	51	48504	171.0	
83 N-Propylbenzene	91	10.422	10.427	-0.005	95	997728	153.7	
84 2-Chlorotoluene	91	10.514	10.518	-0.004	97	684010	159.7	
85 1,3,5-Trimethylbenzene	105	10.641	10.640	0.001	89	766826	156.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.647	10.646	0.001	94	768610	152.9	
87 tert-Butylbenzene	119	11.031	11.029	0.002	87	651453	155.8	
88 1,2,4-Trimethylbenzene	105	11.085	11.084	0.001	63	779387	156.3	
89 sec-Butylbenzene	105	11.292	11.291	0.001	94	873657	156.1	
90 1,3-Dichlorobenzene	146	11.408	11.412	-0.004	96	405908	158.5	
91 4-Isopropyltoluene	119	11.475	11.473	0.002	90	769781	162.7	
92 1,4-Dichlorobenzene	146	11.517	11.516	0.001	88	398536	157.0	
93 1,2,3-Trimethylbenzene	105	11.590	11.589	0.001	0	767129	158.5	
94 1,2-Dichlorobenzene	146	11.962	11.966	-0.004	77	331198	157.8	
95 n-Butylbenzene	91	11.968	11.972	-0.004	97	644831	164.8	
96 1,2-Dibromo-3-Chloropropane	157	12.911	12.909	0.002	52	14321	160.8	
97 1,2,4-Trichlorobenzene	180	13.939	13.937	0.002	94	92822	168.9	
98 Hexachlorobutadiene	225	14.170	14.168	0.002	94	74004	172.8	
99 Naphthalene	128	14.231	14.229	0.002	96	149223	151.0	
100 1,2,3-Trichlorobenzene	180	14.529	14.527	0.002	92	46912	151.3	
S 102 Total 1,2-dichloroethene	100				0		307.9	
S 101 Xylenes, Total	100				0		433.3	

## QC Flag Legend

## Review Flags

M - Manually Integrated

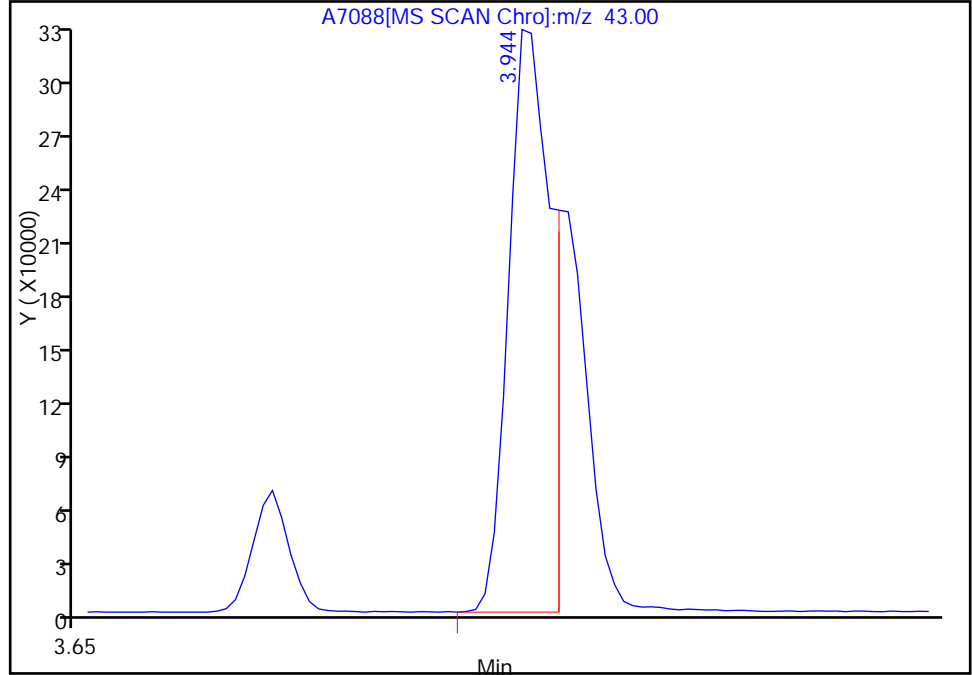


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7088.D  
Injection Date: 21-Jan-2012 12:22:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 9  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.94

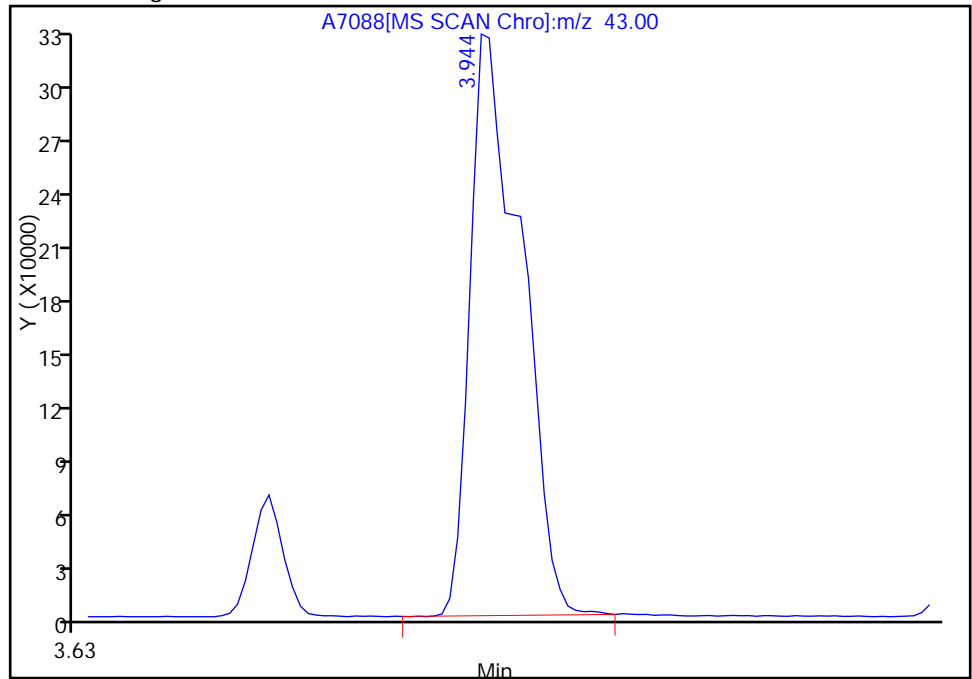
RT: 3.94  
Response: 658585  
Amount: 244.5610

Processing Integration Results



RT: 3.94  
Response: 902001  
Amount: 321.1293

Manual Integration Results



Reviewer: hallj, 21-Jan-2012 12:49:41  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

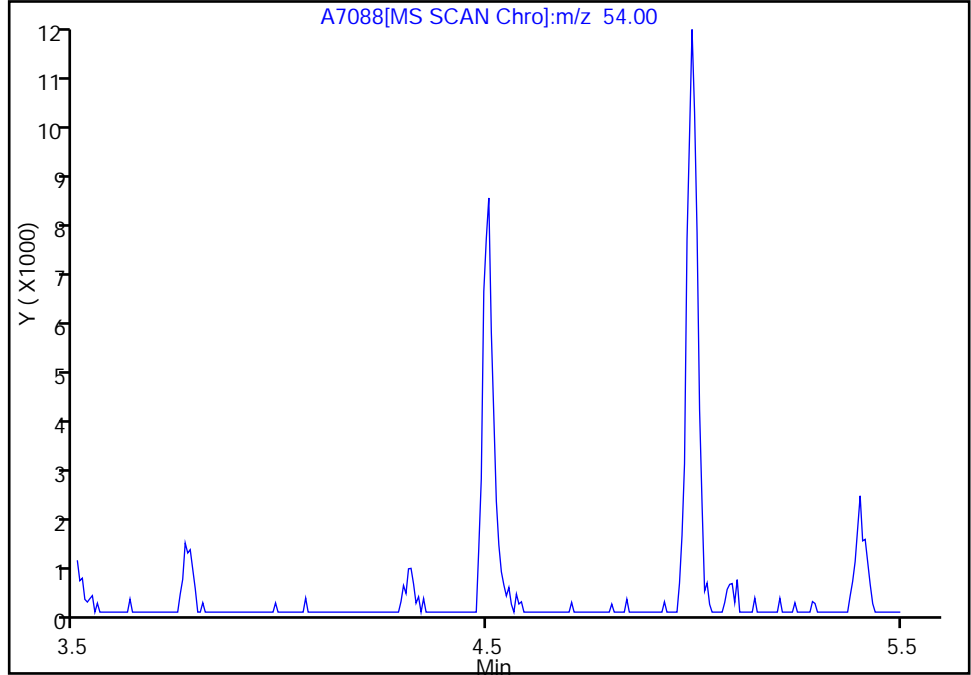


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7088.D  
Injection Date: 21-Jan-2012 12:22:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 9  
Operator ID: JLH

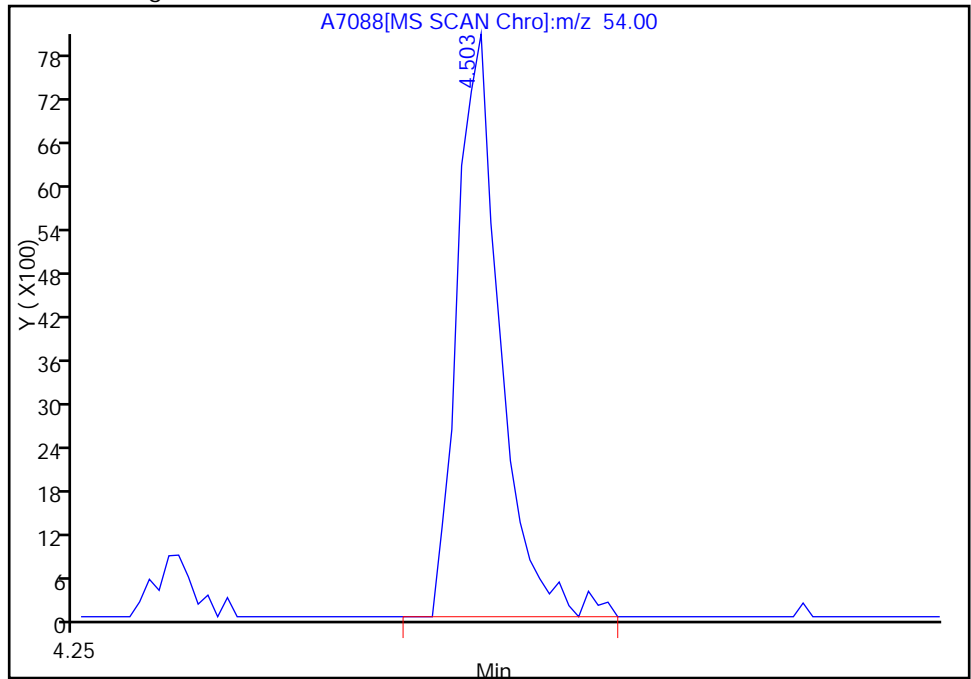
40 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.50

Not Detected  
Expected RT: 4.50

Processing Integration Results



Manual Integration Results



RT: 4.50  
Response: 14910  
Amount: 149.9174

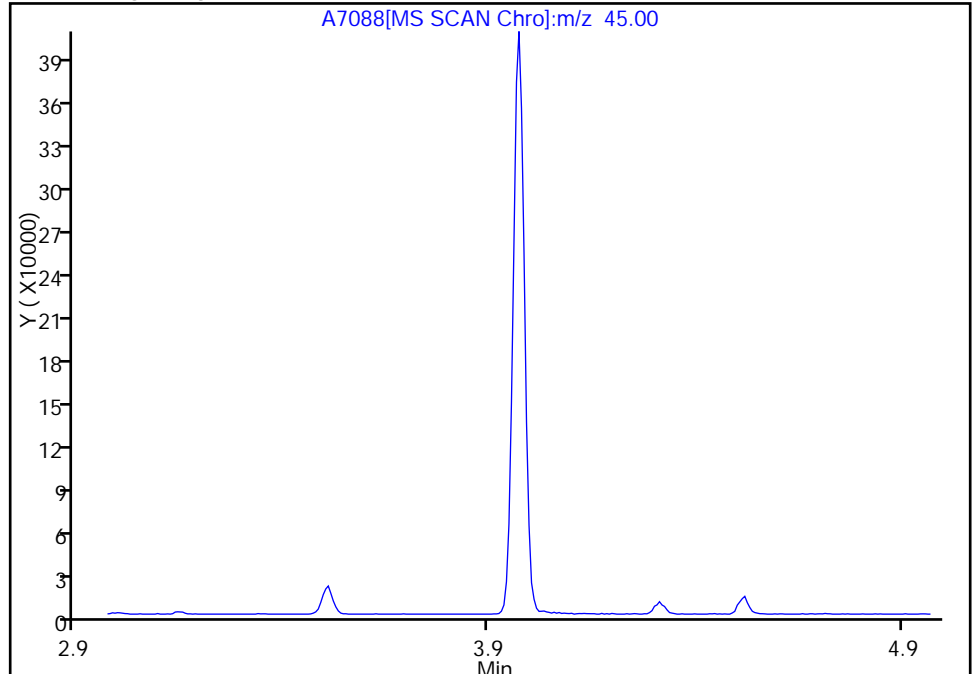
Reviewer: hallj, 21-Jan-2012 12:49:41  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7088.D  
Injection Date: 21-Jan-2012 12:22:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 9  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

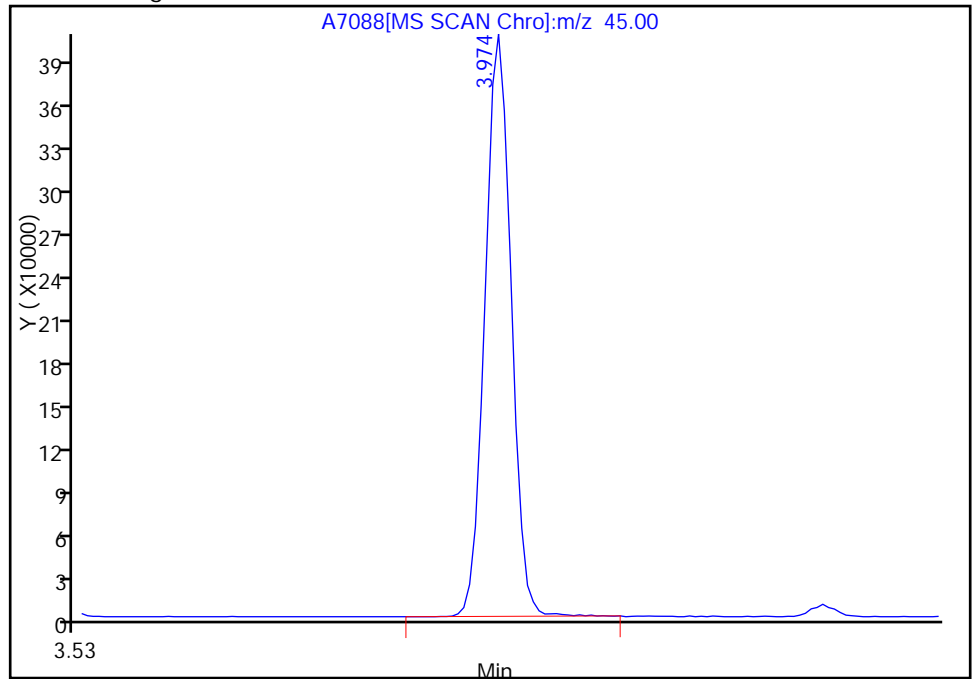
Not Detected  
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97  
Response: 767495  
Amount: 149.0891



Reviewer: hallj, 21-Jan-2012 12:49:41  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Lims ID: STD200 Client ID:  
 Inject. Date: 21-Jan-2012 12:53:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 9  
 Sample ID: STD200  
 Misc. Info.: 510-0006222-010 =510-0006222-010  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 9  
 Lims Batch ID: 92688 Lims Sample ID: 10  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 13:34:18 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 21-Jan-2012 13:17:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.564	5.566	-0.002	98	370993	50.0	
* 2 Chlorobenzene-d5	82	8.752	8.748	0.004	83	140963	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.490	11.485	0.005	59	99909	50.0	
\$ 103 Dibromofluoromethane	113	4.901	4.903	-0.002	0	89261	47.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.224	5.225	-0.001	0	108433	49.4	
\$ 6 Toluene-d8 (Surr)	98	7.176	7.178	-0.002	94	346955	49.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.109	10.110	-0.001	81	121734	47.4	
11 Dichlorodifluoromethane	85	1.422	1.423	-0.001	88	425040	196.1	
12 Chloromethane	50	1.580	1.581	-0.001	99	338342	218.8	
13 Vinyl chloride	62	1.677	1.679	-0.002	83	468454	222.3	
14 Bromomethane	94	1.969	1.983	-0.014	92	175495	198.2	
15 Chloroethane	64	2.072	2.074	-0.002	94	226524	206.7	
16 Trichlorofluoromethane	101	2.322	2.324	-0.002	79	627187	194.9	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.596	2.597	-0.001	81	427343	192.1	
18 Acrolein	56	2.699	2.695	0.004	88	25937	194.9	
19 1,1-Dichloroethene	61	2.796	2.798	-0.002	97	480183	200.2	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.809	2.810	-0.001	78	210121	195.8	
21 Acetone	43	2.839	2.841	-0.002	96	56228	199.4	
22 Iodomethane	142	2.936	2.938	-0.002	97	200459	200.8	
23 Carbon disulfide	76	3.003	3.005	-0.002	99	743599	212.8	
24 Acetonitrile	40	3.094	3.090	0.004	0	9443	132.3	
25 Methyl acetate	43	3.149	3.151	-0.002	97	206529	211.7	
26 Methylene Chloride	84	3.247	3.248	-0.001	84	322517	184.7	
27 2-Methyl-2-propanol	59	3.344	3.346	-0.002	98	56726	820.9	
28 Acrylonitrile	53	3.466	3.467	-0.001	97	64766	217.0	
29 Methyl tert-butyl ether	73	3.508	3.510	-0.002	90	805898	204.4	
30 trans-1,2-Dichloroethene	61	3.508	3.510	-0.002	81	522561	198.4	
31 Hexane	57	3.782	3.778	0.004	94	234749	194.3	
32 1,1-Dichloroethane	63	3.897	3.899	-0.002	85	664375	201.8	
33 Vinyl acetate	43	3.946	3.944	0.002	99	1216089	410.1	

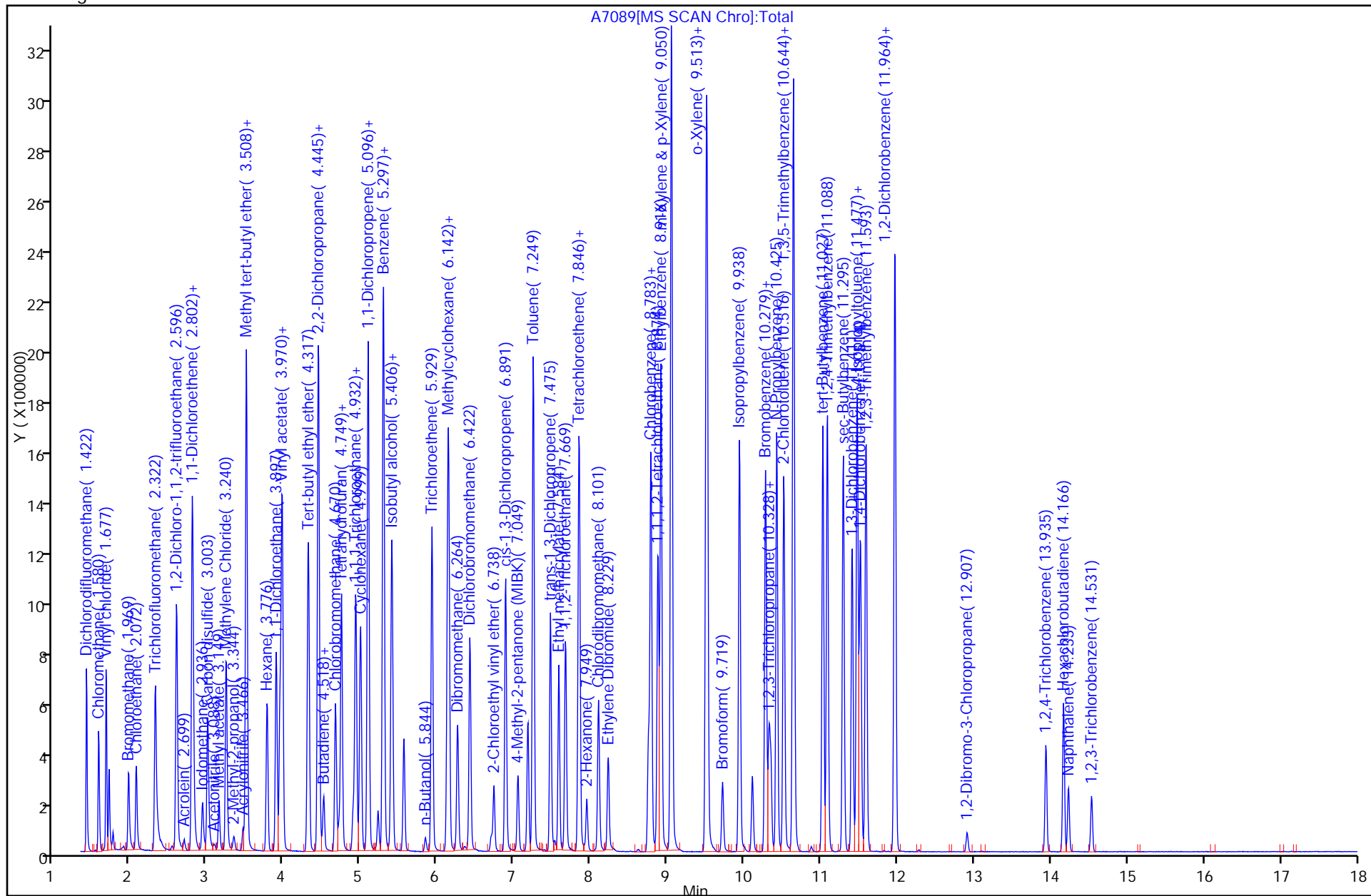
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.977	3.977	0.0	0	1046084	194.0	M
35 Tert-butyl ethyl ether	59	4.317	4.313	0.004	96	967807	197.2	
37 cis-1,2-Dichloroethene	61	4.445	4.447	-0.002	88	614479	199.5	
36 2,2-Dichloropropane	77	4.451	4.447	0.004	78	585961	203.5	
39 2-Butanone (MEK)	43	4.451	4.453	-0.002	33	75113	196.6	
40 Butadiene	54	4.494	4.503	-0.009	0	22319	205.4	
41 Propionitrile	54	4.494	4.508	-0.014	43	22319	205.6	
38 Ethyl acetate	43	4.518	4.520	-0.002	0	199753	205.3	
42 Chlorobromomethane	130	4.670	4.672	-0.002	88	225598	196.2	
43 Tetrahydrofuran	42	4.719	4.714	0.005	82	48660	199.0	
44 Chloroform	83	4.749	4.751	-0.002	80	693017	198.0	
45 1,1,1-Trichloroethane	97	4.938	4.933	0.005	90	642245	204.9	
46 Cyclohexane	56	4.999	5.000	-0.001	90	369569	201.1	
48 1,1-Dichloropropene	75	5.096	5.092	0.004	91	498851	203.9	
47 Carbon tetrachloride	117	5.096	5.104	-0.008	80	530863	216.5	
49 Benzene	78	5.291	5.292	-0.001	96	1316089	180.3	
50 1,2-Dichloroethane	62	5.297	5.298	-0.001	55	548600	199.4	
52 Isobutyl alcohol	41	5.406	5.402	0.004	43	112558	207.6	
51 Tert-amyl methyl ether	73	5.406	5.408	-0.002	96	896215	202.3	
53 n-Butanol	56	5.844	5.846	-0.002	0	27424	2698.8	
54 Trichloroethene	132	5.929	5.931	-0.002	91	403737	208.5	
55 Methylcyclohexane	83	6.130	6.132	-0.002	92	360145	203.6	
56 1,2-Dichloropropane	63	6.148	6.150	-0.002	82	363759	203.5	
57 Dibromomethane	93	6.264	6.266	-0.002	82	200942	206.9	
58 Dichlorobromomethane	83	6.422	6.424	-0.002	92	519144	226.4	
59 2-Chloroethyl vinyl ether	63	6.738	6.740	-0.002	90	98530	NaN	
60 cis-1,3-Dichloropropene	75	6.891	6.886	0.005	90	590360	201.6	
61 4-Methyl-2-pentanone (MIBK)	43	7.049	7.050	-0.001	97	187567	223.6	
62 Toluene	91	7.249	7.251	-0.002	94	1399571	189.3	
63 trans-1,3-Dichloropropene	75	7.475	7.470	0.005	91	510237	203.2	
64 Ethyl methacrylate	69	7.584	7.586	-0.002	92	344207	224.8	
65 1,1,2-Trichloroethane	83	7.669	7.665	0.004	89	211524	212.9	
66 Tetrachloroethene	166	7.840	7.847	-0.007	82	282545	203.9	
67 1,3-Dichloropropane	76	7.852	7.853	-0.001	93	466327	204.8	
68 2-Hexanone	43	7.949	7.945	0.004	97	124275	225.4	
69 Chlorodibromomethane	129	8.101	8.103	-0.002	90	347465	203.1	
70 Ethylene Dibromide	107	8.229	8.231	-0.002	99	280234	223.5	
71 Chlorobenzene	112	8.783	8.784	-0.002	95	924435	198.9	
72 1,1,1,2-Tetrachloroethane	131	8.880	8.875	0.005	89	380699	227.5	
73 Ethylbenzene	91	8.916	8.918	-0.002	97	1378398	197.5	
74 m-Xylene & p-Xylene	91	9.050	9.052	-0.002	0	2032414	374.7	
75 o-Xylene	91	9.506	9.502	0.004	90	1182479	200.3	
76 Styrene	104	9.519	9.520	-0.001	91	962042	209.7	
77 Bromoform	173	9.719	9.721	-0.002	96	139556	208.8	
78 Isopropylbenzene	105	9.938	9.940	-0.002	96	1169931	197.6	
79 1,1,2,2-Tetrachloroethane	83	10.279	10.281	-0.002	61	236116	222.0	
80 Bromobenzene	77	10.279	10.281	-0.002	91	571914	210.0	
81 1,2,3-Trichloropropane	75	10.328	10.323	0.005	35	295665	205.8	
82 trans-1,4-Dichloro-2-butene	53	10.352	10.348	0.004	43	71452	229.6	
83 N-Propylbenzene	91	10.425	10.427	-0.002	96	1358849	196.2	
84 2-Chlorotoluene	91	10.516	10.518	-0.002	96	928398	202.2	
85 1,3,5-Trimethylbenzene	105	10.638	10.640	-0.002	90	1048133	199.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.644	10.646	-0.002	91	1046831	195.3	
87 tert-Butylbenzene	119	11.027	11.029	-0.002	87	912034	203.4	
88 1,2,4-Trimethylbenzene	105	11.088	11.084	0.004	65	1081718	202.4	
89 sec-Butylbenzene	105	11.295	11.291	0.004	95	1199303	200.2	
90 1,3-Dichlorobenzene	146	11.411	11.412	-0.001	95	553647	201.8	
91 4-Isopropyltoluene	119	11.471	11.473	-0.002	90	1056084	207.4	
92 1,4-Dichlorobenzene	146	11.520	11.516	0.004	87	557315	204.5	
93 1,2,3-Trimethylbenzene	105	11.593	11.589	0.004	0	1062015	204.4	
94 1,2-Dichlorobenzene	146	11.964	11.966	-0.002	75	467404	207.0	
95 n-Butylbenzene	91	11.970	11.972	-0.002	94	890742	211.1	
96 1,2-Dibromo-3-Chloropropane	157	12.913	12.909	0.004	52	22937	210.1	
97 1,2,4-Trichlorobenzene	180	13.941	13.937	0.004	93	131361	220.2	
98 Hexachlorobutadiene	225	14.166	14.168	-0.002	93	106795	228.3	
99 Naphthalene	128	14.233	14.229	0.004	96	223754	208.3	
100 1,2,3-Trichlorobenzene	180	14.537	14.527	0.010	92	66853	197.4	
S 101 Xylenes, Total	100				0		575.0	
S 102 Total 1,2-dichloroethene	100				0		397.9	

## QC Flag Legend

## Review Flags

M - Manually Integrated

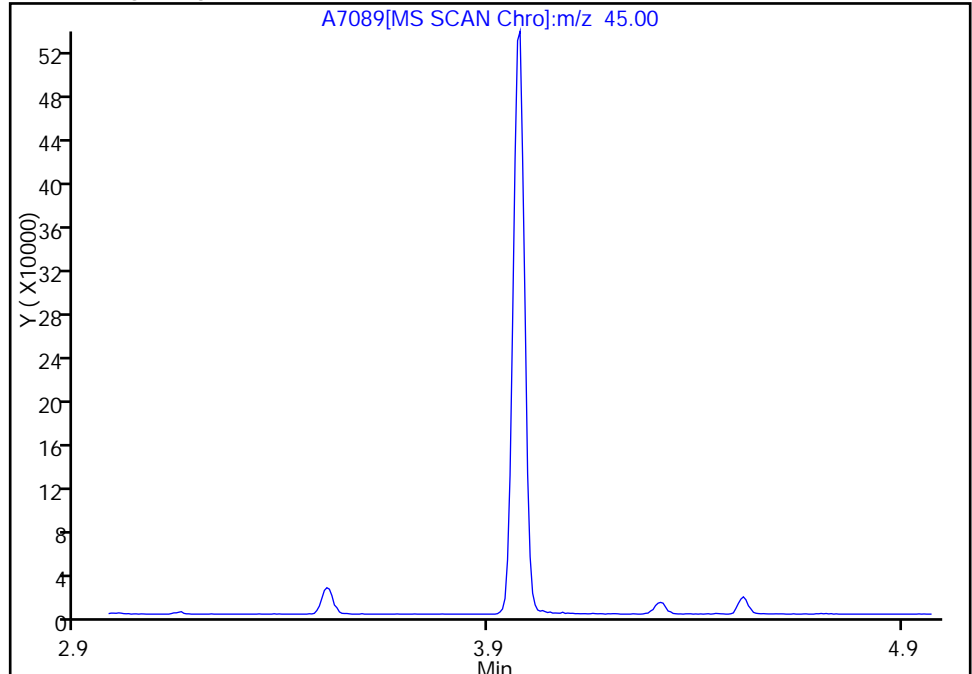


Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
Injection Date: 21-Jan-2012 12:53:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 92688 Lims Sample ID: 10  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.98

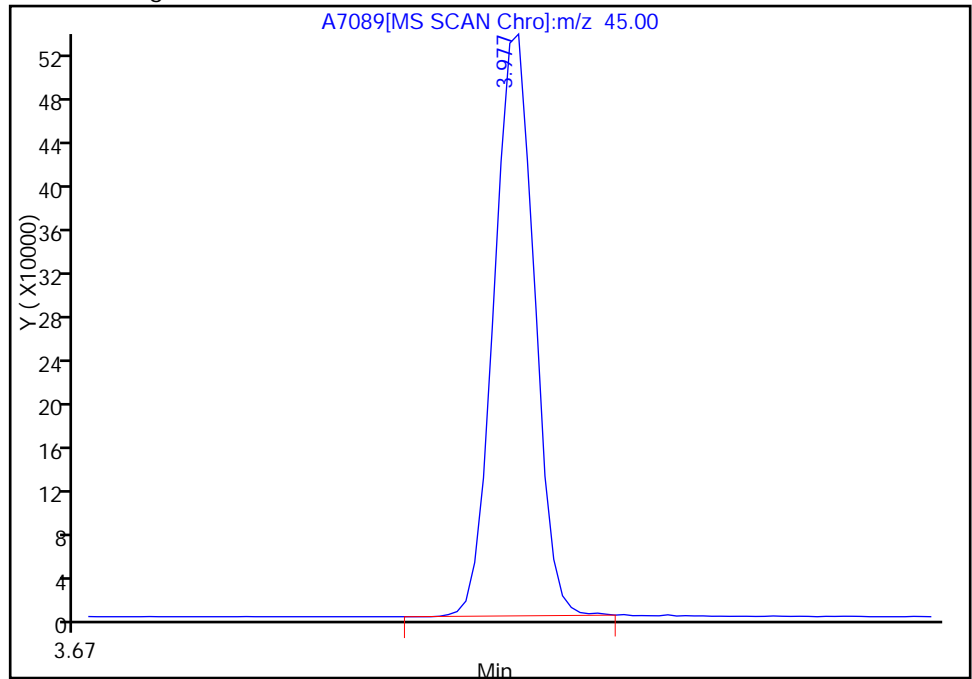
Not Detected  
Expected RT: 3.98

Processing Integration Results



Manual Integration Results

RT: 3.98  
Response: 1046084  
Amount: 194.0160



Reviewer: hallj, 21-Jan-2012 13:17:17  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93034/2 Calibration Date: 01/29/2012 09:05  
 Instrument ID: VMSA Calib Start Date: 01/28/2012 06:53  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/28/2012 10:54  
 Lab File ID: E7376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4064	0.4189		51.5	50.0	3.1	40.0
Chloromethane	Ave	0.3522	0.3705	0.1000	52.6	50.0	5.2	40.0
Vinyl chloride	Ave	0.5558	0.5693		51.2	50.0	2.4	20.0
Bromomethane	Lin		0.0491		52.5	50.0	5.0	40.0
Chloroethane	Ave	0.2768	0.2455		44.3	50.0	-11.3	40.0
Trichlorofluoromethane	Ave	0.4279	0.4572		53.4	50.0	6.8	40.0
1,2-Dichlorotrifluoroethane	Ave	0.3944	0.4194		53.2	50.0	6.3	40.0
Acrolein	Ave	0.0387	0.0369		<160	50.2	-4.7	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2113	0.2301		54.4	50.0	8.9	40.0
1,1-Dichloroethene	Ave	0.2662	0.2582	0.1000	48.5	50.0	-3.0	20.0
Acetone	Lin2		0.0465		57.4	50.0	14.8	60.0
Iodomethane	Ave	0.2132	0.2172		50.9	50.0	1.8	40.0
Carbon disulfide	Ave	0.8051	0.7967		49.5	50.0	-1.0	40.0
Methyl acetate	Ave	0.3339	0.3105		46.5	50.0	-7.0	40.0
Methylene Chloride	Ave	0.3051	0.2900		47.5	50.0	-5.0	40.0
t-Butyl alcohol	Ave	0.0360	0.0272		151	200	-24.5	60.0
Acrylonitrile	Ave	0.1056	0.0968		<50.0	50.0	-8.3	40.0
trans-1,2-Dichloroethene	Ave	0.3021	0.2997		49.6	50.0	-0.8	40.0
Methyl tert-butyl ether	Ave	0.7694	0.7076		46.0	50.0	-8.0	40.0
Hexane	Ave	0.5134	0.5202		50.7	50.0	1.3	40.0
1,1-Dichloroethane	Ave	0.5360	0.5163		48.2	50.0	-3.7	40.0
Vinyl acetate	Ave	0.6228	0.5951		95.5	100	-4.5	40.0
Isopropyl ether	Ave	0.8750	0.8348		<50.0	50.0	-4.6	40.0
Ethyl-t-butyl ether (ETBE)	Ave	0.7274	0.6856		47.1	50.0	-5.7	40.0
2,2-Dichloropropane	Ave	0.4394	0.4390		50.0	50.0	-0.0	40.0
cis-1,2-Dichloroethene	Ave	0.3338	0.3531		52.9	50.0	5.8	40.0
2-Butanone (MEK)	Ave	0.0522	0.0550		52.7	50.0	5.4	60.0
Ethyl acetate	Ave	0.3720	0.3457		46.5	50.0	-7.1	40.0
Propionitrile	Ave	0.0992	0.0922		46.5	50.0	-7.0	40.0
Chlorobromomethane	Ave	0.1817	0.1798		49.5	50.0	-1.1	40.0
Tetrahydrofuran	Ave	0.2373	0.2027		42.7	50.0	-14.6	40.0
Chloroform	Ave	0.5362	0.5257		49.0	50.0	-1.9	20.0
1,1,1-Trichloroethane	Ave	0.4746	0.4596		48.4	50.0	-3.1	40.0
Cyclohexane	Ave	0.5682	0.5653		49.7	50.0	-0.5	40.0
1,1-Dichloropropene	Ave	0.4774	0.4743		49.7	50.0	-0.7	40.0
Carbon tetrachloride	Ave	0.3930	0.3896		49.6	50.0	-0.9	40.0
Benzene	Qua		1.247		50.2	50.0	0.4	40.0
1,2-Dichloroethane	Ave	0.4063	0.3959		48.7	50.0	-2.6	40.0
Isobutanol	Ave	0.1160	0.1114		<500	50.0	-4.0	40.0
Tert-amyl-methyl ether (TAME)	Ave	0.7516	0.6830		<50.0	50.0	-9.1	40.0



FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93034/2 Calibration Date: 01/29/2012 09:05  
 Instrument ID: VMSA Calib Start Date: 01/28/2012 06:53  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/28/2012 10:54  
 Lab File ID: E7376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butanol	Ave	0.0095	0.0078		451	550	-18.0	40.0
Trichloroethene	Ave	0.3080	0.3047		49.5	50.0	-1.1	40.0
Methylcyclohexane	Ave	0.6478	0.6569		50.7	50.0	1.4	40.0
1,2-Dichloropropane	Ave	0.3390	0.3232		47.7	50.0	-4.7	20.0
Dibromomethane	Ave	0.1737	0.1670		48.1	50.0	-3.8	40.0
Dichlorobromomethane	Ave	0.3916	0.3825		48.8	50.0	-2.3	40.0
2-Chloroethyl vinyl ether	Ave	0.0833	0.0843		101	100	1.3	40.0
cis-1,3-Dichloropropene	Ave	0.4604	0.4561		49.5	50.0	-0.9	40.0
Methyl isobutyl ketone (MIBK)	Ave	0.2738	0.2559		46.7	50.0	-6.5	40.0
Toluene	Qua		1.259		51.3	50.0	2.6	20.0
trans-1,3-Dichloropropene	Ave	0.4004	0.3948		49.3	50.0	-1.4	40.0
Ethyl methacrylate	Ave	0.4350	0.4326		49.7	50.0	-0.6	40.0
1,1,2-Trichloroethane	Ave	0.2262	0.2163		47.8	50.0	-4.4	40.0
Tetrachloroethene	Ave	0.2575	0.2625		51.0	50.0	2.0	40.0
1,3-Dichloropropane	Ave	0.4921	0.4793		48.7	50.0	-2.6	40.0
2-Hexanone	Ave	0.2124	0.2135		50.3	50.0	0.5	60.0
Chlorodibromomethane	Ave	0.2519	0.2486		49.3	50.0	-1.3	40.0
Ethylene Dibromide	Ave	0.2350	0.2239		47.6	50.0	-4.7	40.0
Chlorobenzene	Ave	1.043	1.028	0.3000	49.3	50.0	-1.4	40.0
1,1,1,2-Tetrachloroethane	Ave	0.3669	0.3560		48.5	50.0	-3.0	40.0
Ethylbenzene	Qua		1.830		51.1	50.0	2.2	20.0
m-Xylene & p-Xylene	Qua		1.328		104	100	4.0	40.0
o-Xylene	Ave	1.444	1.475		51.1	50.0	2.2	40.0
Styrene	Ave	1.136	1.156		50.9	50.0	1.8	40.0
Bromoform	Ave	0.2190	0.2032	0.1000	46.4	50.0	-7.2	40.0
Isopropylbenzene	Ave	1.530	1.593		52.0	50.0	4.1	40.0
1,1,2,2-Tetrachloroethane	Ave	0.8013	0.7545	0.3000	47.1	50.0	-5.8	40.0
Bromobenzene	Ave	0.7601	0.7592		49.9	50.0	-0.1	40.0
1,2,3-Trichloropropane	Ave	0.9824	0.9466		48.2	50.0	-3.6	40.0
trans-1,4-Dichloro-2-butene	Ave	0.2072	0.2005		48.4	50.0	-3.2	40.0
N-Propylbenzene	Qua		3.632		53.0	50.0	6.0	40.0
2-Chlorotoluene	Ave	2.178	2.225		51.1	50.0	2.1	40.0
1,3,5-Trimethylbenzene	Ave	2.424	2.552		52.6	50.0	5.3	40.0
4-Chlorotoluene	Qua		2.581		50.8	50.0	1.6	40.0
tert-Butylbenzene	Ave	2.090	2.195		52.5	50.0	5.0	40.0
1,2,4-Trimethylbenzene	Qua		2.559		50.8	50.0	1.6	40.0
sec-Butylbenzene	Qua		3.159		51.1	50.0	2.2	40.0
1,3-Dichlorobenzene	Ave	1.410	1.428		50.6	50.0	1.3	40.0
4-Isopropyltoluene	Qua		2.628		51.0	50.0	2.0	40.0
1,4-Dichlorobenzene	Ave	1.436	1.439		50.1	50.0	0.2	40.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93034/2 Calibration Date: 01/29/2012 09:05  
 Instrument ID: VMSA Calib Start Date: 01/28/2012 06:53  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/28/2012 10:54  
 Lab File ID: E7376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,3-Trimethylbenzene	Ave	2.630	2.568		48.8	50.0	-2.4	40.0
n-Butylbenzene	Ave	2.466	2.631		53.4	50.0	6.7	40.0
1,2-Dichlorobenzene	Ave	1.318	1.287		48.8	50.0	-2.3	40.0
1,2-Dibromo-3-Chloropropane	Ave	0.1385	0.1205		43.5	50.0	-13.0	60.0
1,2,4-Trichlorobenzene	Ave	0.8777	0.9145		52.1	50.0	4.2	60.0
Hexachlorobutadiene	Ave	0.6268	0.6176		49.3	50.0	-1.5	60.0
Naphthalene	Ave	1.927	1.850		48.0	50.0	-4.0	60.0
1,2,3-Trichlorobenzene	Ave	0.8823	0.8725		49.4	50.0	-1.1	60.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2934	0.2960		50.4	50.0	0.9	40.0
Toluene-d8 (Surr)	Ave	0.9839	0.9943		50.5	50.0	1.0	40.0
4-Bromofluorobenzene (Surr)	Ave	1.009	1.007		49.9	50.0	-0.2	40.0

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7376.D  
 Lims ID: CCVIS Client ID:  
 Inject. Date: 29-Jan-2012 09:05:30 Dil. Factor: 1.0000  
 Sample Type: CCVIS  
 Sample ID: CCVIS  
 Misc. Info.: 510-0006246-002 =510-0006246-002  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93034 Lims Sample ID: 2  
 Sublist: chrom-8260-SO-VMSA-E\*sub24  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120129-6246.b\8260-SO-VMSA-E.m  
 Last Update: 29-Jan-2012 10:13:34 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 10:13:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.898	6.898	0.0	1	1540758	50.0	M
* 2 Chlorobenzene-d5	117	10.645	10.645	0.0	88	1184648	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.918	0.0	88	691783	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.520	6.520	0.0	0	456126	50.4	
\$ 6 Toluene-d8 (Surr)	98	8.777	8.777	0.0	93	1531912	50.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.257	12.257	0.0	85	696926	49.9	
8 Dichlorodifluoromethane	85	2.098	2.098	0.0	88	645401	51.5	M
9 Chloromethane	50	2.262	2.262	0.0	88	570855	52.6	
10 Vinyl chloride	62	2.390	2.390	0.0	82	877126	51.2	
11 Bromomethane	94	2.737	2.737	0.0	89	75703	52.5	
12 Chloroethane	64	2.840	2.840	0.0	99	378220	44.3	
13 Trichlorofluoromethane	101	3.150	3.150	0.0	80	704451	53.4	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.485	3.485	0.0	84	646230	53.2	
15 Acrolein	56	3.625	3.625	0.0	91	57057	47.8	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.728	3.728	0.0	71	354549	54.4	
16 1,1-Dichloroethene	96	3.728	3.728	0.0	89	397752	48.5	
18 Acetone	58	3.795	3.795	0.0	96	71605	57.4	
19 Iodomethane	142	3.898	3.898	0.0	99	334614	50.9	
20 Carbon disulfide	76	3.978	3.978	0.0	99	1227572	49.5	
21 Methyl acetate	43	4.142	4.142	0.0	97	478464	46.5	
22 Methylene Chloride	84	4.245	4.245	0.0	84	446783	47.5	
24 Acrylonitrile	53	4.513	4.513	0.0	98	149095	45.8	
25 trans-1,2-Dichloroethene	96	4.543	4.543	0.0	79	461717	49.6	
26 Methyl tert-butyl ether	73	4.549	4.549	0.0	91	1090275	46.0	
23 2-Methyl-2-propanol	59	4.397	4.397	0.0	30	167684	151.1	M
27 Hexane	57	4.835	4.835	0.0	93	801428	50.7	
28 1,1-Dichloroethane	63	4.993	4.993	0.0	85	795422	48.2	
29 Vinyl acetate	43	5.042	5.042	0.0	98	1833780	95.5	
30 Isopropyl ether	45	5.066	5.066	0.0	0	1286198	47.7	M
31 Tert-butyl ethyl ether	59	5.456	5.456	0.0	90	1056388	47.1	

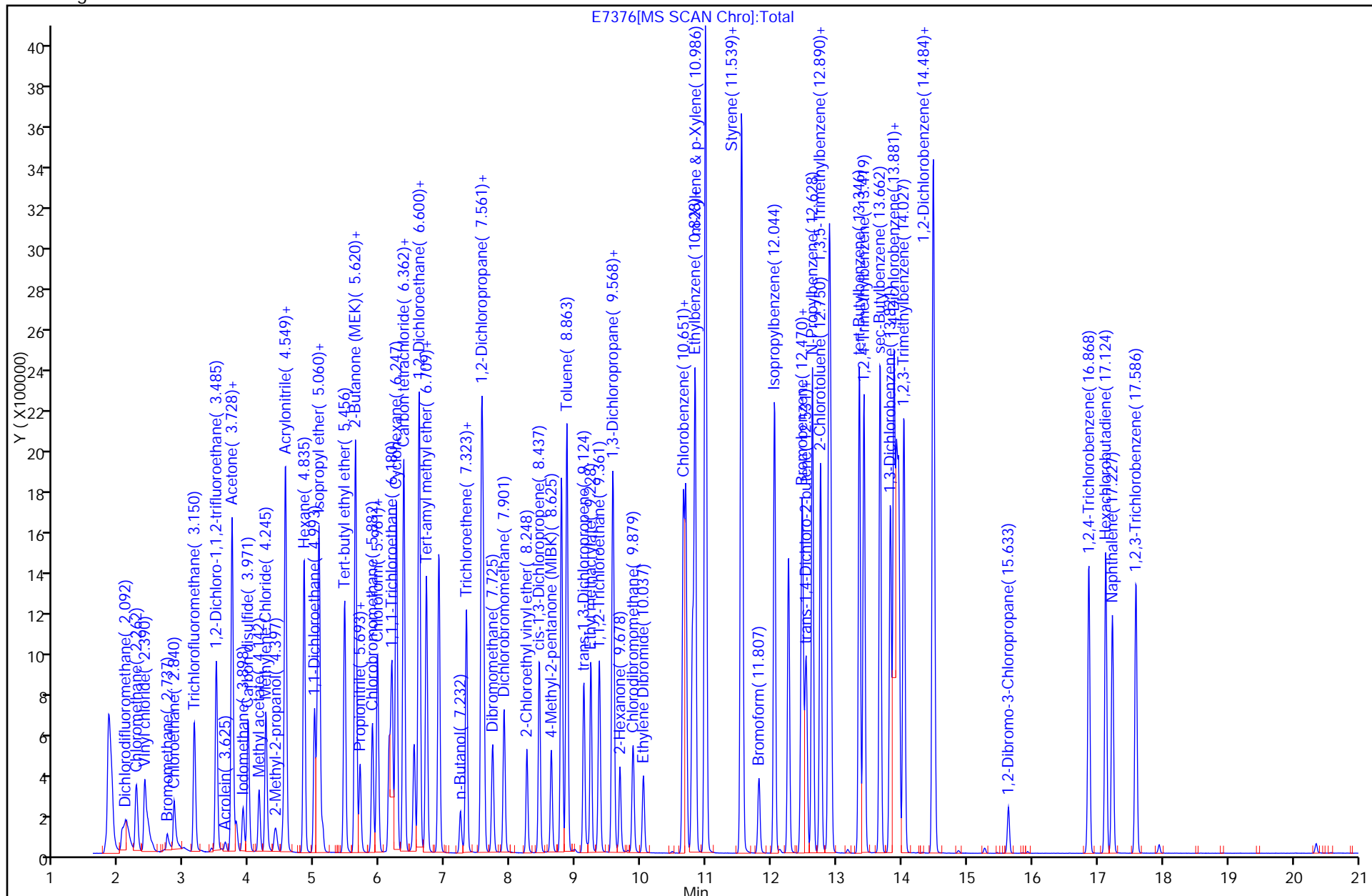
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.620	5.620	0.0	89	543989	52.9	
33 2,2-Dichloropropane	77	5.620	5.620	0.0	73	676411	50.0	
34 2-Butanone (MEK)	72	5.632	5.632	0.0	61	84765	52.7	
105 Ethyl acetate	43	5.693	5.693	0.0	0	532625	46.5	
93 Propionitrile	54	5.699	5.699	0.0	0	63783	46.5	
35 Chlorobromomethane	130	5.882	5.882	0.0	96	276992	49.5	
95 Tetrahydrofuran	42	5.949	5.949	0.0	0	140211	42.7	
36 Chloroform	83	5.961	5.961	0.0	69	810004	49.0	
37 1,1,1-Trichloroethane	97	6.180	6.180	0.0	91	708193	48.4	
38 Cyclohexane	84	6.247	6.247	0.0	89	870997	49.7	
39 1,1-Dichloropropene	75	6.356	6.356	0.0	94	730781	49.7	
40 Carbon tetrachloride	117	6.368	6.368	0.0	78	600270	49.6	
41 Benzene	78	6.593	6.593	0.0	93	1920912	50.2	
42 1,2-Dichloroethane	62	6.606	6.606	0.0	50	609931	48.7	
43 Isobutyl alcohol	41	6.709	6.709	0.0	42	171564	48.0	
44 Tert-amyl methyl ether	73	6.709	6.709	0.0	93	1052376	45.4	
102 n-Butanol	56	7.232	7.232	0.0	0	132591	450.8	
45 Trichloroethene	132	7.323	7.323	0.0	90	469442	49.5	
46 Methylcyclohexane	83	7.555	7.555	0.0	92	1012167	50.7	
47 1,2-Dichloropropane	63	7.585	7.585	0.0	0	497978	47.7	M
48 Dibromomethane	93	7.725	7.725	0.0	90	257293	48.1	
49 Dichlorobromomethane	83	7.901	7.901	0.0	99	589384	48.8	
50 2-Chloroethyl vinyl ether	63	8.248	8.248	0.0	90	259863	101.3	
54 cis-1,3-Dichloropropene	75	8.437	8.437	0.0	92	702663	49.5	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.625	0.0	96	394231	46.7	
53 Toluene	91	8.863	8.863	0.0	80	1939450	51.3	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	89	608220	49.3	
55 Ethyl methacrylate	69	9.228	9.228	0.0	77	666477	49.7	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	87	333272	47.8	
57 Tetrachloroethene	164	9.562	9.562	0.0	89	404516	51.0	
58 1,3-Dichloropropane	76	9.580	9.580	0.0	89	738427	48.7	
59 2-Hexanone	43	9.678	9.678	0.0	73	328869	50.3	
60 Chlorodibromomethane	129	9.879	9.879	0.0	86	383055	49.3	
61 Ethylene Dibromide	107	10.037	10.037	0.0	99	344952	47.6	
62 Chlorobenzene	112	10.688	10.688	0.0	93	1218278	49.3	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	86	421775	48.5	
64 Ethylbenzene	91	10.828	10.828	0.0	97	2168396	51.1	
65 m-Xylene & p-Xylene	91	10.986	10.986	0.0	0	3145232	104.0	
66 o-Xylene	91	11.533	11.533	0.0	89	1747564	51.1	
67 Styrene	104	11.551	11.551	0.0	88	1369678	50.9	
68 Bromoform	173	11.807	11.807	0.0	97	240749	46.4	
69 Isopropylbenzene	105	12.044	12.044	0.0	95	1886754	52.0	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	90	521965	47.1	
70 Bromobenzene	156	12.476	12.476	0.0	90	525183	49.9	
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	81	654860	48.2	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.537	0.0	41	138697	48.4	
74 N-Propylbenzene	91	12.628	12.628	0.0	94	2512655	53.0	
75 2-Chlorotoluene	91	12.750	12.750	0.0	97	1539029	51.1	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	27	1765497	52.6	M
77 4-Chlorotoluene	91	12.902	12.902	0.0	93	1785826	50.8	
78 tert-Butylbenzene	119	13.346	13.346	0.0	90	1518197	52.5	
80 1,2,4-Trimethylbenzene	105	13.419	13.419	0.0	57	1770562	50.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.669	13.669	0.0	96	2185635	51.1	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	95	987988	50.6	
79 4-Isopropyltoluene	119	13.875	13.875	0.0	87	1818005	51.0	
83 1,4-Dichlorobenzene	146	13.954	13.954	0.0	86	995204	50.1	
99 1,2,3-Trimethylbenzene	105	14.027	14.027	0.0	0	1776249	48.8	
84 n-Butylbenzene	91	14.478	14.478	0.0	93	1820237	53.4	
85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	92	890393	48.8	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	62	83377	43.5	
87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	93	632628	52.1	
88 Hexachlorobutadiene	225	17.124	17.124	0.0	94	427271	49.3	
89 Naphthalene	128	17.227	17.227	0.0	98	1279940	48.0	
90 1,2,3-Trichlorobenzene	180	17.586	17.586	0.0	93	603587	49.4	
S 92 Total 1,2-dichloroethene	100				0		102.5	
S 91 Xylenes, Total	100				0		155.1	

## QC Flag Legend

## Review Flags

M - Manually Integrated

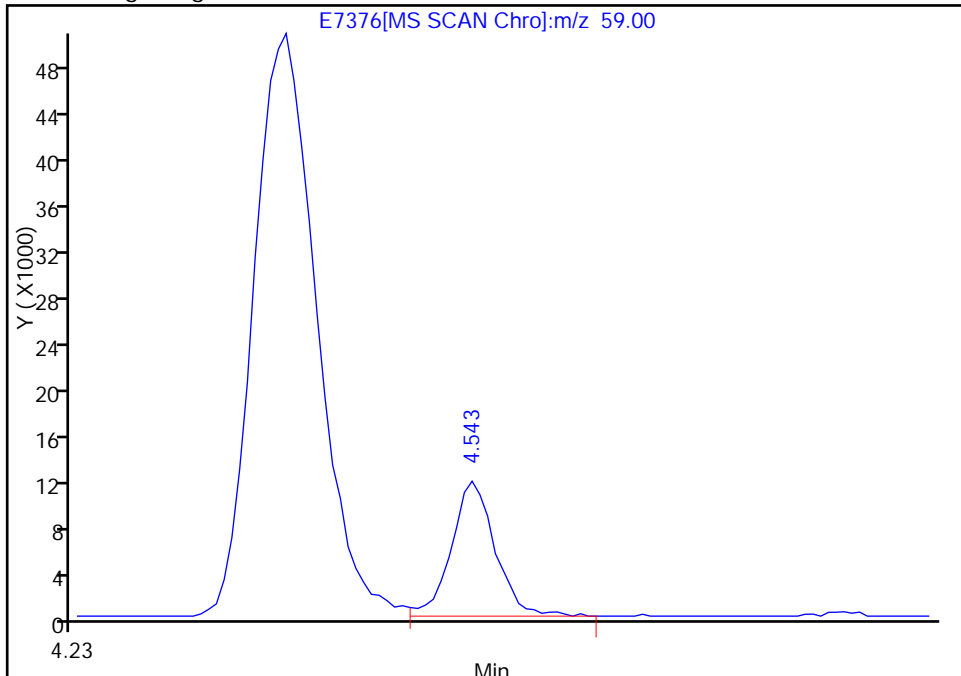


Data File: \\valsrv08\ChromData\VMSA\20120129-6246.b\E7376.D  
Injection Date: 29-Jan-2012 09:05:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 2  
Operator ID: JLH

23 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 4.40

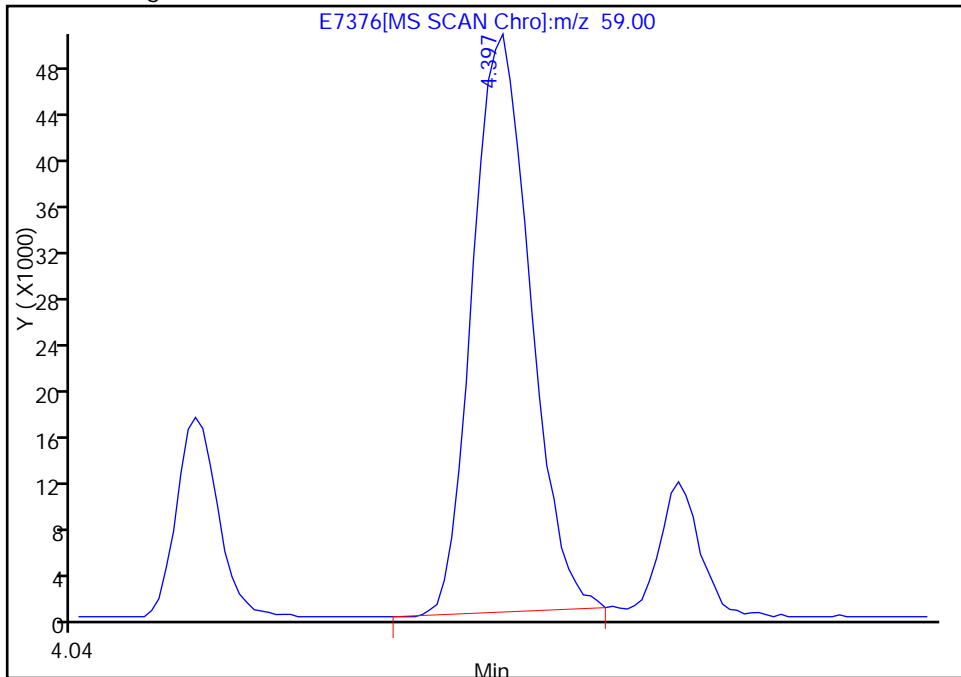
RT: 4.54  
Response: 28105  
Amount: 25.324857

Processing Integration Results



RT: 4.40  
Response: 167684  
Amount: 151.0967

Manual Integration Results



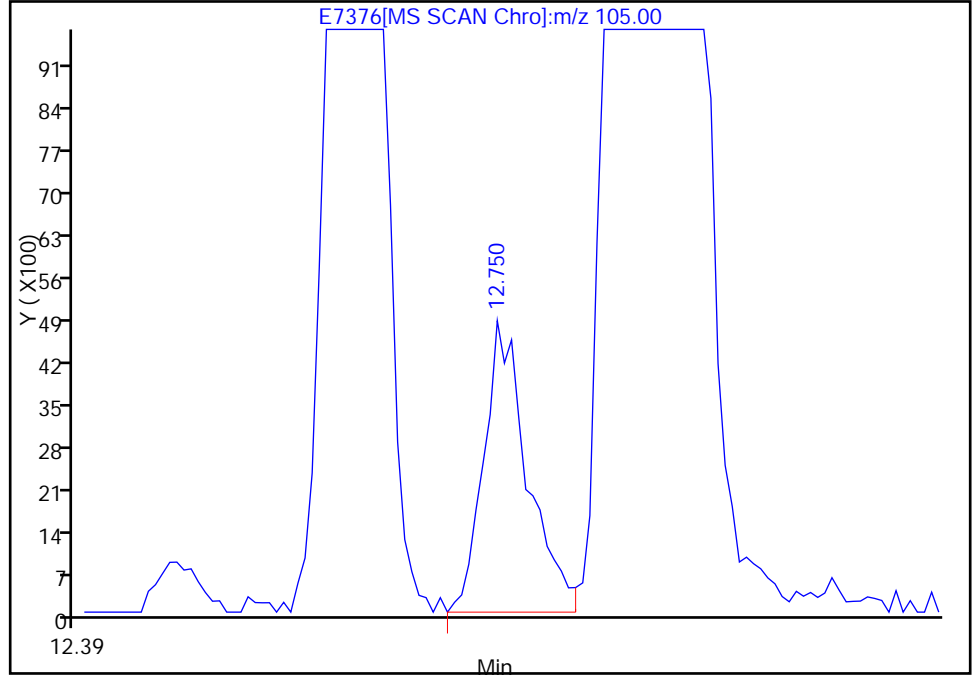
Reviewer: hallj, 29-Jan-2012 10:13:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7376.D  
Injection Date: 29-Jan-2012 09:05:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 2  
Operator ID: JLH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.88

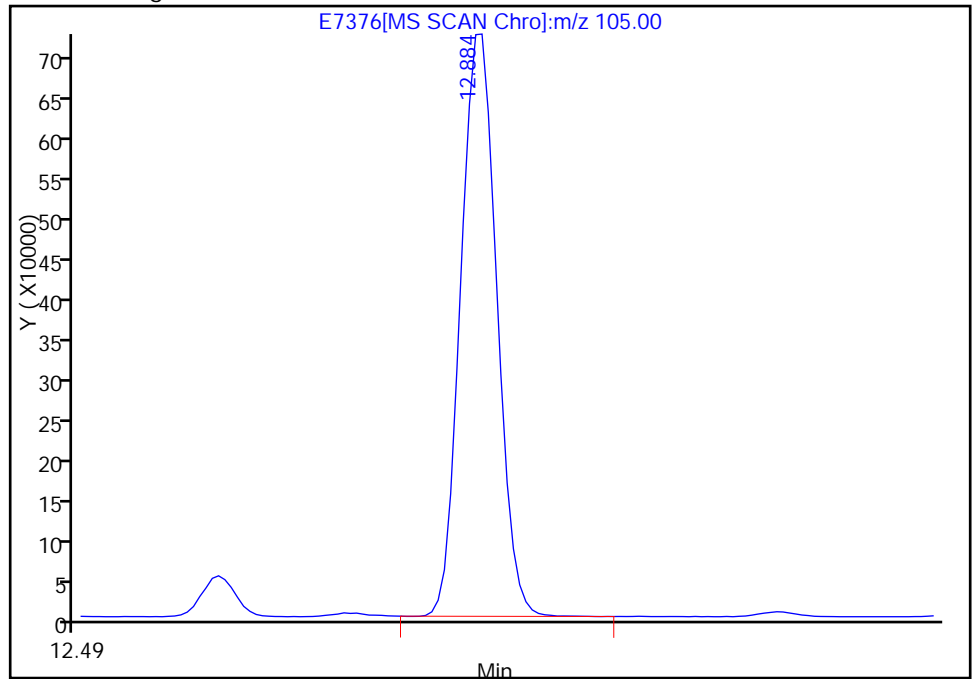
RT: 12.75  
Response: 12528  
Amount: 0.373506

Processing Integration Results



RT: 12.88  
Response: 1765497  
Amount: 52.635936

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 10:13:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

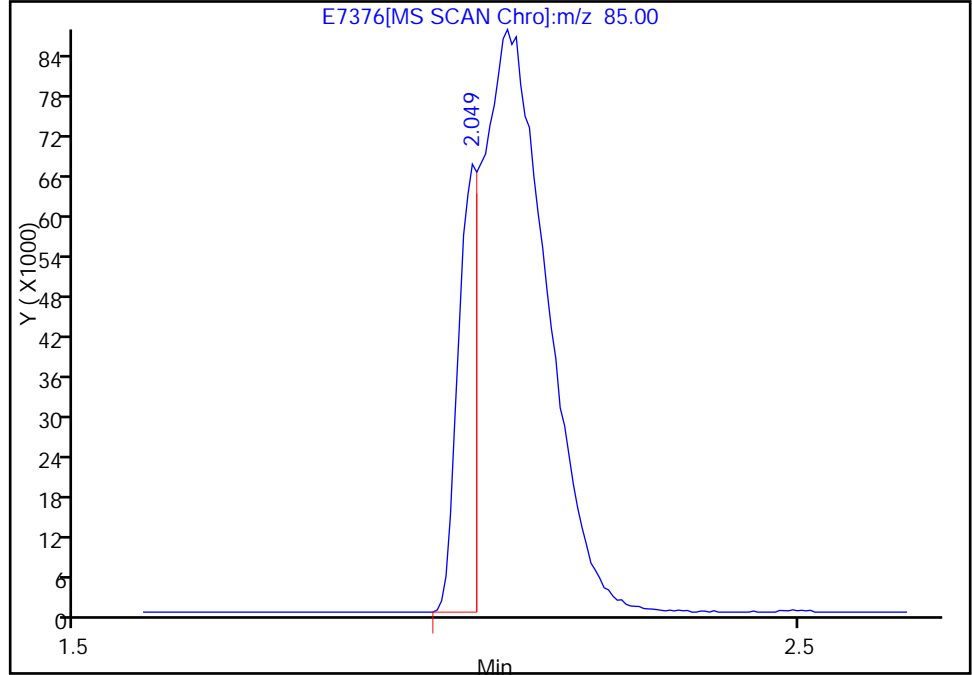


Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7376.D  
Injection Date: 29-Jan-2012 09:05:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 2  
Operator ID: JLH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.10

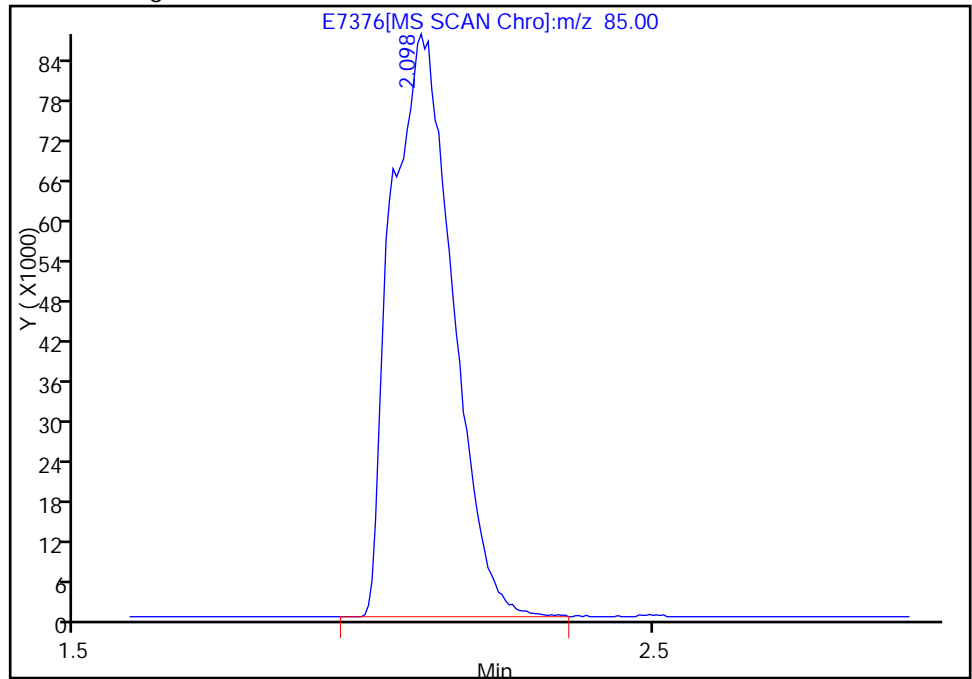
RT: 2.05  
Response: 126022  
Amount: 10.062202

Processing Integration Results



RT: 2.10  
Response: 645401  
Amount: 51.531917

Manual Integration Results



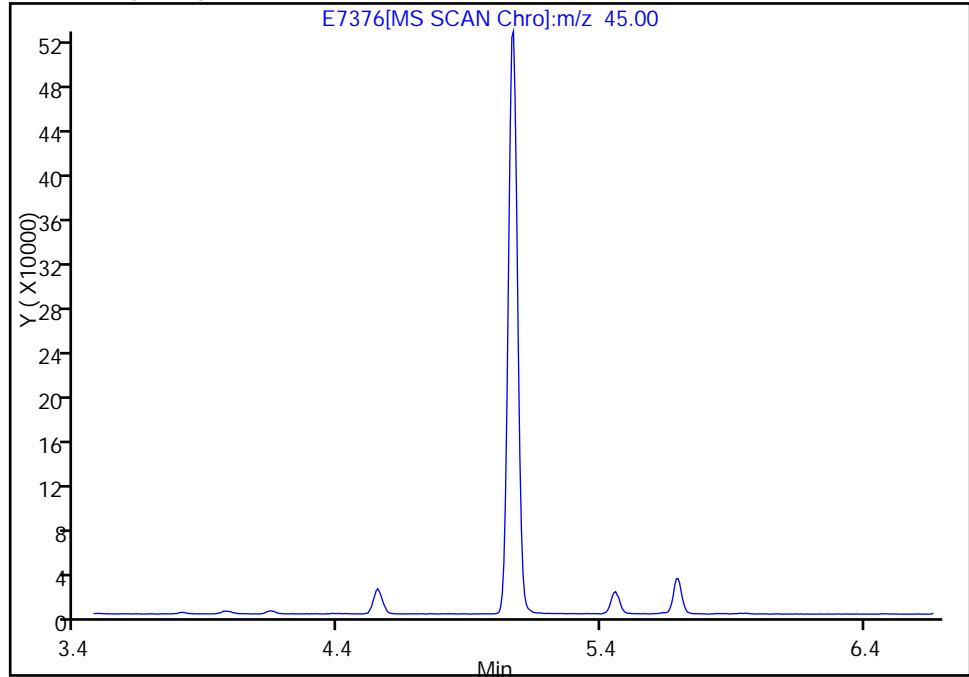
Reviewer: hallj, 29-Jan-2012 10:13:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7376.D  
Injection Date: 29-Jan-2012 09:05:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 2  
Operator ID: JLH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.07

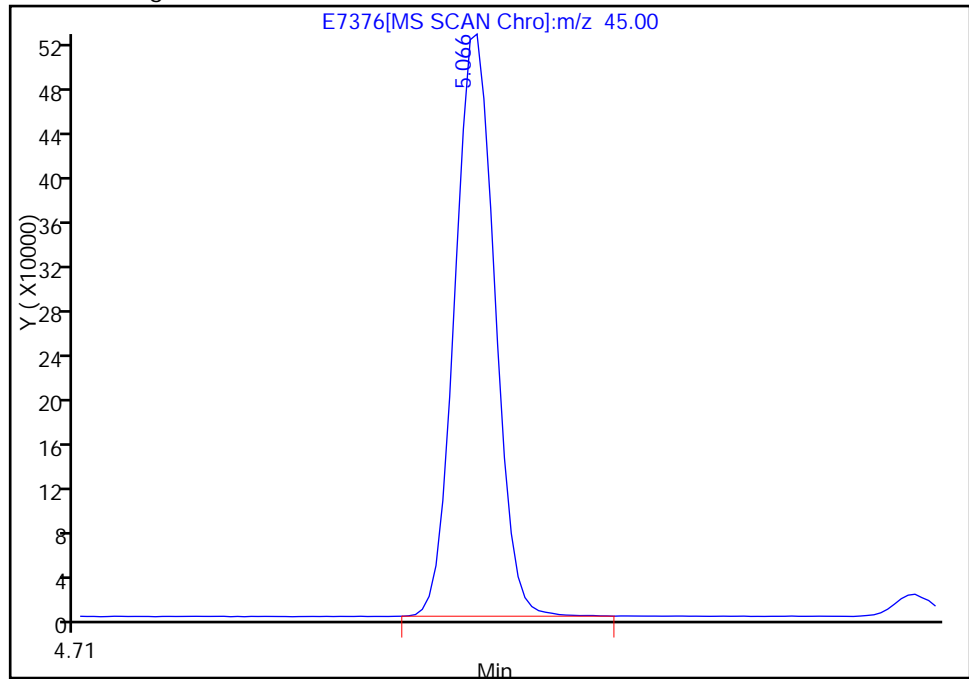
Not Detected  
Expected RT: 5.07

Processing Integration Results



Manual Integration Results

RT: 5.07  
Response: 1286198  
Amount: 47.703297



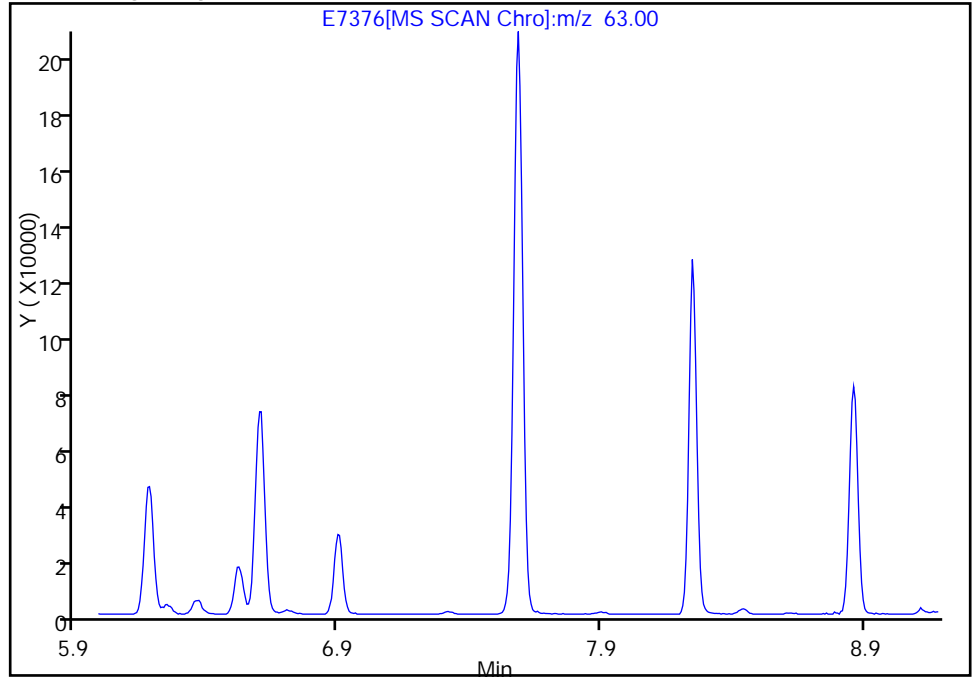
Reviewer: hallj, 29-Jan-2012 10:13:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7376.D  
Injection Date: 29-Jan-2012 09:05:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 2  
Operator ID: JLH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.59

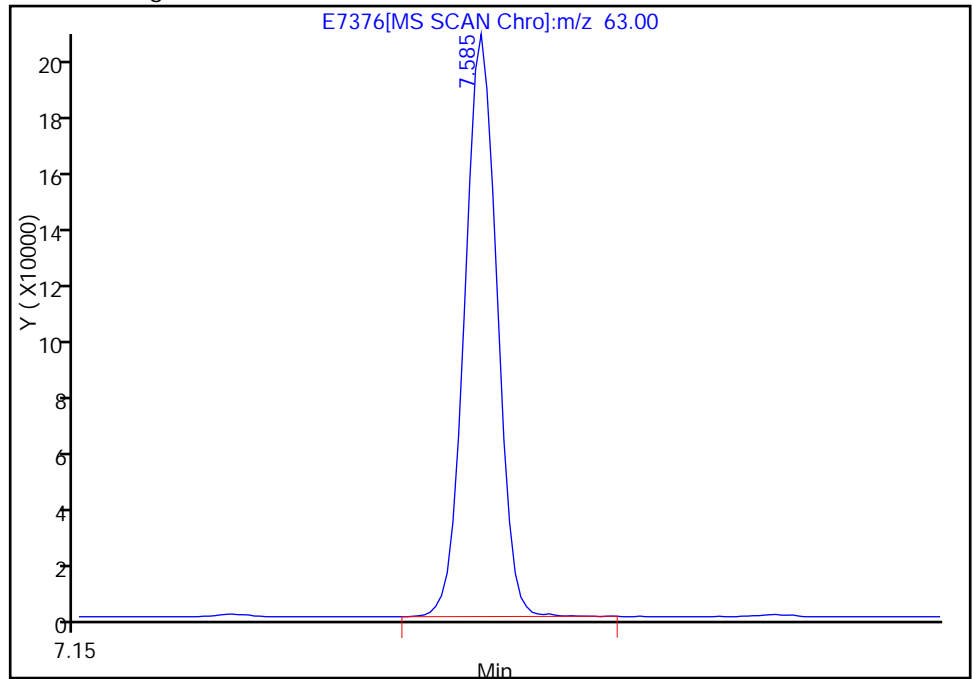
Not Detected  
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59  
Response: 497978  
Amount: 47.673371



Reviewer: hallj, 29-Jan-2012 10:13:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93022/3 Calibration Date: 01/28/2012 07:51  
 Instrument ID: VMSB Calib Start Date: 01/21/2012 08:45  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/21/2012 12:53  
 Lab File ID: A7242.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2922	0.1831		31.3	50.0	-37.3	40.0
Chloromethane	Ave	0.2084	0.2062	0.1000	49.5	50.0	-1.1	40.0
Vinyl chloride	Ave	0.2841	0.3079		54.2	50.0	8.4	20.0
Bromomethane	Qua		0.1091		66.9	50.0	33.8	40.0
Chloroethane	Ave	0.1477	0.1554		52.6	50.0	5.2	40.0
Trichlorofluoromethane	Ave	0.4338	0.4197		48.4	50.0	-3.3	40.0
1,2-Dichlorotrifluoroethane	Ave	0.2998	0.3391		56.6	50.0	13.1	40.0
Acrolein	Lin		0.0170		<160	50.2	-2.4	40.0
1,1-Dichloroethene	Ave	0.3232	0.4234	0.1000	65.5	50.0	31.0*	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1447	0.1533		53.0	50.0	5.9	40.0
Acetone	Lin		0.0612		78.7	50.0	57.4	60.0
Iodomethane	Lin		0.2234		86.4	50.0	72.8*	40.0
Carbon disulfide	Ave	0.4709	0.7555		80.2	50.0	60.4*	40.0
Acetonitrile	Lin		0.0096		47.9	50.0	-4.2	60.0
Methyl acetate	Ave	0.1315	0.1615		61.4	50.0	22.9	40.0
Methylene Chloride	Ave	0.2354	0.2566		54.5	50.0	9.0	40.0
t-Butyl alcohol	Lin		0.0103		224	200	11.9	60.0
Acrylonitrile	Ave	0.0402	0.0465		57.8	50.0	15.7	40.0
Methyl tert-butyl ether	Ave	0.5313	0.5512		51.9	50.0	3.8	40.0
trans-1,2-Dichloroethene	Ave	0.3550	0.4249		59.9	50.0	19.7	40.0
Hexane	Lin		0.2210		67.7	50.0	35.4	40.0
1,1-Dichloroethane	Ave	0.4438	0.5111		57.6	50.0	15.2	40.0
Vinyl acetate	Ave	0.3996	0.4172		104	100	4.4	40.0
Isopropyl ether	Ave	0.7267	0.8242		56.7	50.0	13.4	40.0
Ethyl-t-butyl ether (ETBE)	Ave	0.6615	0.7050		53.3	50.0	6.6	40.0
cis-1,2-Dichloroethene	Ave	0.4152	0.4598		55.4	50.0	10.7	40.0
2,2-Dichloropropane	Ave	0.3880	0.4413		56.9	50.0	13.7	40.0
2-Butanone (MEK)	Ave	0.0515	0.0596		57.9	50.0	15.8	60.0
1,3-Butadiene	Lin		0.0150		52.4	50.0	4.8	60.0
Propionitrile	Lin		0.0655		61.0	50.0	22.0	40.0
Ethyl acetate	Ave	0.1311	0.1415		54.0	50.0	7.9	40.0
Chlorobromomethane	Ave	0.1550	0.1671		53.9	50.0	7.8	40.0
Tetrahydrofuran	Lin		0.1531		62.0	50.0	24.0	40.0
Chloroform	Ave	0.4716	0.4823		51.1	50.0	2.3	20.0
1,1,1-Trichloroethane	Ave	0.4224	0.4397		52.0	50.0	4.1	40.0
Cyclohexane	Ave	0.2476	0.3143		63.5	50.0	26.9	40.0
1,1-Dichloropropene	Ave	0.3297	0.3720		56.4	50.0	12.8	40.0
Carbon tetrachloride	Ave	0.3305	0.3555		53.8	50.0	7.5	40.0
Benzene	Ave	0.9835	1.071		54.4	50.0	8.9	40.0
1,2-Dichloroethane	Ave	0.3708	0.3445		46.4	50.0	-7.1	40.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93022/3 Calibration Date: 01/28/2012 07:51  
 Instrument ID: VMSB Calib Start Date: 01/21/2012 08:45  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/21/2012 12:53  
 Lab File ID: A7242.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tert-amyl-methyl ether (TAME)	Ave	0.5972	0.6131		51.3	50.0	2.7	40.0
Isobutanol	Ave	0.0731	0.0772		<500	50.0	5.6	40.0
n-Butanol	Lin		0.0018		1470	1050	39.9	40.0
Trichloroethene	Ave	0.2610	0.2932		56.2	50.0	12.3	40.0
Methylcyclohexane	Ave	0.2384	0.2859		60.0	50.0	19.9	40.0
1,2-Dichloropropane	Ave	0.2409	0.2600		54.0	50.0	7.9	20.0
Dibromomethane	Ave	0.1309	0.1255		48.0	50.0	-4.1	40.0
Dichlorobromomethane	Ave	0.3091	0.3140		50.8	50.0	1.6	40.0
2-Chloroethyl vinyl ether	Qua		0.0379		114	100	14.4	40.0
cis-1,3-Dichloropropene	Lin		0.3932		51.1	50.0	2.2	40.0
Methyl isobutyl ketone (MIBK)	Ave	0.1131	0.1194		52.8	50.0	5.6	40.0
Toluene	Ave	0.997	1.066		53.5	50.0	7.0	20.0
trans-1,3-Dichloropropene	Lin		0.3067		47.9	50.0	-4.2	40.0
Ethyl methacrylate	Ave	0.2064	0.2162		52.4	50.0	4.8	40.0
1,1,2-Trichloroethane	Ave	0.1339	0.1301		48.6	50.0	-2.9	40.0
Tetrachloroethene	Ave	0.1867	0.2027		54.3	50.0	8.5	40.0
1,3-Dichloropropane	Ave	0.3068	0.3025		49.3	50.0	-1.4	40.0
2-Hexanone	Ave	0.0743	0.0975		65.6	50.0	31.3	60.0
Chlorodibromomethane	Lin		0.1826		42.5	50.0	-15.0	40.0
Ethylene Dibromide	Ave	0.1690	0.1722		50.9	50.0	1.9	40.0
Chlorobenzene	Ave	1.649	1.773	0.3000	53.8	50.0	7.6	40.0
1,1,1,2-Tetrachloroethane	Ave	0.5935	0.6313		53.2	50.0	6.4	40.0
Ethylbenzene	Ave	2.475	2.777		56.1	50.0	12.2	20.0
m-Xylene & p-Xylene	Ave	1.924	2.087		109	100	8.5	40.0
o-Xylene	Ave	2.094	2.234		53.3	50.0	6.7	40.0
Styrene	Ave	1.627	1.811		55.6	50.0	11.3	40.0
Bromoform	Lin		0.1723	0.1000	40.9	50.0	-18.2	40.0
Isopropylbenzene	Ave	2.963	3.504		59.1	50.0	18.2	40.0
1,1,2,2-Tetrachloroethane	Ave	0.5324	0.5968	0.3000	56.1	50.0	12.1	40.0
Bromobenzene	Ave	1.363	1.560		57.2	50.0	14.5	40.0
1,2,3-Trichloropropane	Lin2		0.7180		51.2	50.0	2.4	40.0
trans-1,4-Dichloro-2-butene	Ave	0.1558	0.1547		49.7	50.0	-0.7	40.0
N-Propylbenzene	Ave	3.466	4.093		59.0	50.0	18.1	40.0
2-Chlorotoluene	Ave	2.297	2.708		58.9	50.0	17.9	40.0
1,3,5-Trimethylbenzene	Ave	2.624	3.037		57.9	50.0	15.7	40.0
4-Chlorotoluene	Ave	2.683	3.016		56.2	50.0	12.4	40.0
tert-Butylbenzene	Ave	2.244	2.636		58.7	50.0	17.5	40.0
1,2,4-Trimethylbenzene	Ave	2.674	3.071		57.4	50.0	14.8	40.0
sec-Butylbenzene	Ave	2.997	3.470		57.9	50.0	15.8	40.0
1,3-Dichlorobenzene	Ave	1.373	1.487		54.1	50.0	8.3	40.0

FORM VII  
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCVIS 510-93022/3 Calibration Date: 01/28/2012 07:51  
 Instrument ID: VMSB Calib Start Date: 01/21/2012 08:45  
 GC Column: 624/8260 ID: 0.20 (mm) Calib End Date: 01/21/2012 12:53  
 Lab File ID: A7242.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Isopropyltoluene	Ave	2.548	2.996		58.8	50.0	17.6	40.0
1,4-Dichlorobenzene	Ave	1.364	1.468		53.8	50.0	7.6	40.0
1,2,3-Trimethylbenzene	Ave	2.600	2.994		57.6	50.0	15.2	40.0
1,2-Dichlorobenzene	Ave	1.130	1.182		52.3	50.0	4.6	40.0
n-Butylbenzene	Ave	2.111	2.453		58.1	50.0	16.2	40.0
1,2-Dibromo-3-Chloropropane	Lin		0.0411		43.0	50.0	-14.0	60.0
1,2,4-Trichlorobenzene	Ave	0.2985	0.2478		41.5	50.0	-17.0	60.0
Hexachlorobutadiene	Ave	0.2341	0.2274		48.6	50.0	-2.8	60.0
Naphthalene	Lin		0.4300		44.6	50.0	-10.8	60.0
1,2,3-Trichlorobenzene	Qua		0.1205		46.5	50.0	-7.0	60.0
Dibromofluoromethane	Ave	0.2545	0.2381		46.8	50.0	-6.4	60.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2956	0.2533		42.9	50.0	-14.3	40.0
Toluene-d8 (Surr)	Ave	0.9451	0.9329		49.4	50.0	-1.3	40.0
4-Bromofluorobenzene (Surr)	Ave	1.285	1.334		51.9	50.0	3.8	40.0

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7242.D  
 Lims ID: CCVIS Client ID:  
 Inject. Date: 28-Jan-2012 07:51:30 Dil. Factor: 1.0000  
 Sample Type: CCVIS  
 Sample ID: CCVIS  
 Misc. Info.: 510-0006242-003 =510-0006242-003  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93022 Lims Sample ID: 3  
 Sublist: chrom-VMSB-8260\*sub28  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120128-6242.b\VMSB-8260.m  
 Last Update: 28-Jan-2012 10:41:19 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 08:26:31

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.561	5.561	0.0	98	456116	50.0	
* 2 Chlorobenzene-d5	82	8.749	8.749	0.0	84	166591	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.486	11.486	0.0	96	104144	50.0	
\$ 103 Dibromofluoromethane	113	4.898	4.898	0.0	0	108619	46.8	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.227	5.227	0.0	0	115548	42.9	
\$ 6 Toluene-d8 (Surr)	98	7.179	7.179	0.0	92	425515	49.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.105	10.105	0.0	80	138883	51.9	
11 Dichlorodifluoromethane	85	1.430	1.430	0.0	87	83502	31.3	
12 Chloromethane	50	1.583	1.583	0.0	89	94029	49.5	
13 Vinyl chloride	62	1.686	1.686	0.0	83	140424	54.2	
14 Bromomethane	94	1.984	1.984	0.0	90	49772	66.9	
15 Chloroethane	64	2.081	2.081	0.0	94	70876	52.6	
16 Trichlorofluoromethane	101	2.325	2.325	0.0	78	191421	48.4	
17 1,2-Dichloro-1,1,2-trifluoroethane	67	2.598	2.598	0.0	84	154667	56.6	
18 Acrolein	56	2.696	2.696	0.0	87	7760	49.0	
19 1,1-Dichloroethene	61	2.799	2.799	0.0	90	193110	65.5	
20 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.811	2.811	0.0	74	69900	53.0	
21 Acetone	43	2.836	2.836	0.0	98	27916	78.7	
22 Iodomethane	142	2.939	2.939	0.0	99	101880	86.4	
23 Carbon disulfide	76	3.006	3.006	0.0	99	344582	80.2	
24 Acetonitrile	40	3.091	3.091	0.0	0	4376	47.9	
25 Methyl acetate	43	3.152	3.152	0.0	96	73681	61.4	
26 Methylene Chloride	84	3.249	3.249	0.0	88	117055	54.5	
27 2-Methyl-2-propanol	59	3.347	3.347	0.0	94	18752	223.7	
28 Acrylonitrile	53	3.462	3.462	0.0	93	21223	57.8	
30 trans-1,2-Dichloroethene	61	3.511	3.511	0.0	90	193806	59.9	
29 Methyl tert-butyl ether	73	3.511	3.511	0.0	88	251409	51.9	
31 Hexane	57	3.779	3.779	0.0	94	100800	67.7	
32 1,1-Dichloroethane	63	3.894	3.894	0.0	86	233139	57.6	
33 Vinyl acetate	43	3.949	3.949	0.0	99	380558	104.4	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
34 Isopropyl ether	45	3.973	3.973	0.0	0	375908	56.7	M
35 Tert-butyl ethyl ether	59	4.314	4.314	0.0	97	321571	53.3	
37 cis-1,2-Dichloroethene	61	4.442	4.442	0.0	88	209705	55.4	
36 2,2-Dichloropropane	77	4.448	4.448	0.0	75	201270	56.9	
39 2-Butanone (MEK)	43	4.454	4.454	0.0	28	27202	57.9	M
41 Propionitrile	54	4.496	4.496	0.0	42	6819	61.0	
40 Butadiene	54	4.496	4.496	0.0	0	6819	52.4	
38 Ethyl acetate	43	4.515	4.515	0.0	0	64557	54.0	
42 Chlorobromomethane	130	4.673	4.673	0.0	90	76206	53.9	
43 Tetrahydrofuran	42	4.716	4.716	0.0	82	15941	62.0	
44 Chloroform	83	4.746	4.746	0.0	80	219963	51.1	
45 1,1,1-Trichloroethane	97	4.935	4.935	0.0	97	200554	52.0	
46 Cyclohexane	56	4.995	4.995	0.0	91	143333	63.5	
48 1,1-Dichloropropene	75	5.093	5.093	0.0	92	169694	56.4	
47 Carbon tetrachloride	117	5.099	5.099	0.0	80	162137	53.8	
49 Benzene	78	5.293	5.293	0.0	95	488481	54.4	
50 1,2-Dichloroethane	62	5.300	5.300	0.0	47	157107	46.4	
51 Tert-amyl methyl ether	73	5.403	5.403	0.0	96	279650	51.3	
52 Isobutyl alcohol	41	5.409	5.409	0.0	42	35190	52.8	
53 n-Butanol	56	5.841	5.841	0.0	0	17421	1469.0	
54 Trichloroethene	132	5.932	5.932	0.0	89	133727	56.2	
55 Methylcyclohexane	83	6.133	6.133	0.0	91	130389	60.0	
56 1,2-Dichloropropane	63	6.145	6.145	0.0	85	118604	54.0	
57 Dibromomethane	93	6.261	6.261	0.0	83	57253	48.0	
58 Dichlorobromomethane	83	6.425	6.425	0.0	93	143225	50.8	
59 2-Chloroethyl vinyl ether	63	6.735	6.735	0.0	84	34540	114.4	
60 cis-1,3-Dichloropropene	75	6.887	6.887	0.0	90	179343	51.1	
61 4-Methyl-2-pentanone (MIBK)	43	7.052	7.052	0.0	90	54468	52.8	
62 Toluene	91	7.252	7.252	0.0	85	486380	53.5	
63 trans-1,3-Dichloropropene	75	7.471	7.471	0.0	94	139903	47.9	
64 Ethyl methacrylate	69	7.581	7.581	0.0	90	98625	52.4	
65 1,1,2-Trichloroethane	83	7.672	7.672	0.0	82	59320	48.6	
66 Tetrachloroethene	166	7.836	7.836	0.0	91	92443	54.3	
67 1,3-Dichloropropane	76	7.855	7.855	0.0	89	137963	49.3	
68 2-Hexanone	43	7.946	7.946	0.0	96	44485	65.6	
69 Chlorodibromomethane	129	8.104	8.104	0.0	88	83294	42.5	
70 Ethylene Dibromide	107	8.226	8.226	0.0	100	78537	50.9	
71 Chlorobenzene	112	8.785	8.785	0.0	94	295396	53.8	
72 1,1,1,2-Tetrachloroethane	131	8.877	8.877	0.0	88	105176	53.2	
73 Ethylbenzene	91	8.913	8.913	0.0	97	462695	56.1	
74 m-Xylene & p-Xylene	91	9.047	9.047	0.0	0	695283	108.5	
75 o-Xylene	91	9.503	9.503	0.0	92	372093	53.3	
76 Styrene	104	9.515	9.515	0.0	92	301660	55.6	
77 Bromoform	173	9.716	9.716	0.0	93	28711	40.9	
78 Isopropylbenzene	105	9.935	9.935	0.0	96	364911	59.1	
79 1,1,2,2-Tetrachloroethane	83	10.276	10.276	0.0	57	62155	56.1	
80 Bromobenzene	77	10.276	10.276	0.0	88	162470	57.2	
81 1,2,3-Trichloropropane	75	10.324	10.324	0.0	37	74772	51.2	
82 trans-1,4-Dichloro-2-butene	53	10.349	10.349	0.0	34	16113	49.7	
83 N-Propylbenzene	91	10.422	10.422	0.0	95	426255	59.0	
84 2-Chlorotoluene	91	10.513	10.513	0.0	96	282064	58.9	
85 1,3,5-Trimethylbenzene	105	10.641	10.641	0.0	87	316244	57.9	

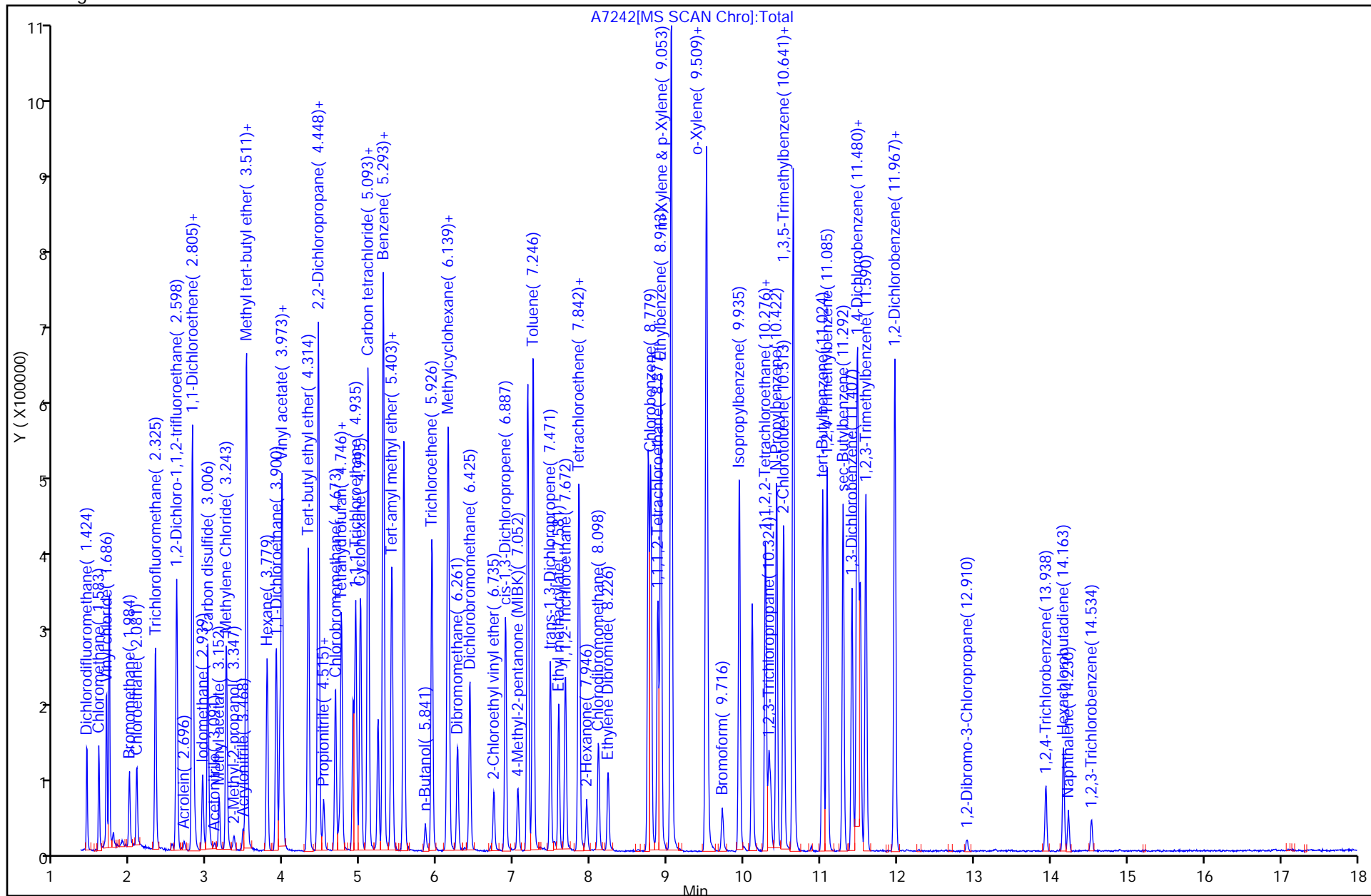


Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
86 4-Chlorotoluene	91	10.647	10.647	0.0	94	314111	56.2	
87 tert-Butylbenzene	119	11.024	11.024	0.0	91	274573	58.7	
88 1,2,4-Trimethylbenzene	105	11.085	11.085	0.0	60	319855	57.4	
89 sec-Butylbenzene	105	11.292	11.292	0.0	94	361392	57.9	
90 1,3-Dichlorobenzene	146	11.407	11.407	0.0	96	154828	54.1	
91 4-Isopropyltoluene	119	11.474	11.474	0.0	91	311964	58.8	
92 1,4-Dichlorobenzene	146	11.517	11.517	0.0	93	152833	53.8	
93 1,2,3-Trimethylbenzene	105	11.590	11.590	0.0	0	311855	57.6	
94 1,2-Dichlorobenzene	146	11.961	11.961	0.0	74	123138	52.3	
95 n-Butylbenzene	91	11.967	11.967	0.0	97	255426	58.1	
96 1,2-Dibromo-3-Chloropropane	157	12.916	12.916	0.0	30	4284	43.0	
97 1,2,4-Trichlorobenzene	180	13.938	13.938	0.0	90	25802	41.5	
98 Hexachlorobutadiene	225	14.163	14.163	0.0	84	23685	48.6	
99 Naphthalene	128	14.230	14.230	0.0	97	44784	44.6	
100 1,2,3-Trichlorobenzene	180	14.528	14.528	0.0	80	12548	46.5	
S 102 Total 1,2-dichloroethene	100				0		115.2	
S 101 Xylenes, Total	100				0		161.8	

## QC Flag Legend

## Review Flags

M - Manually Integrated

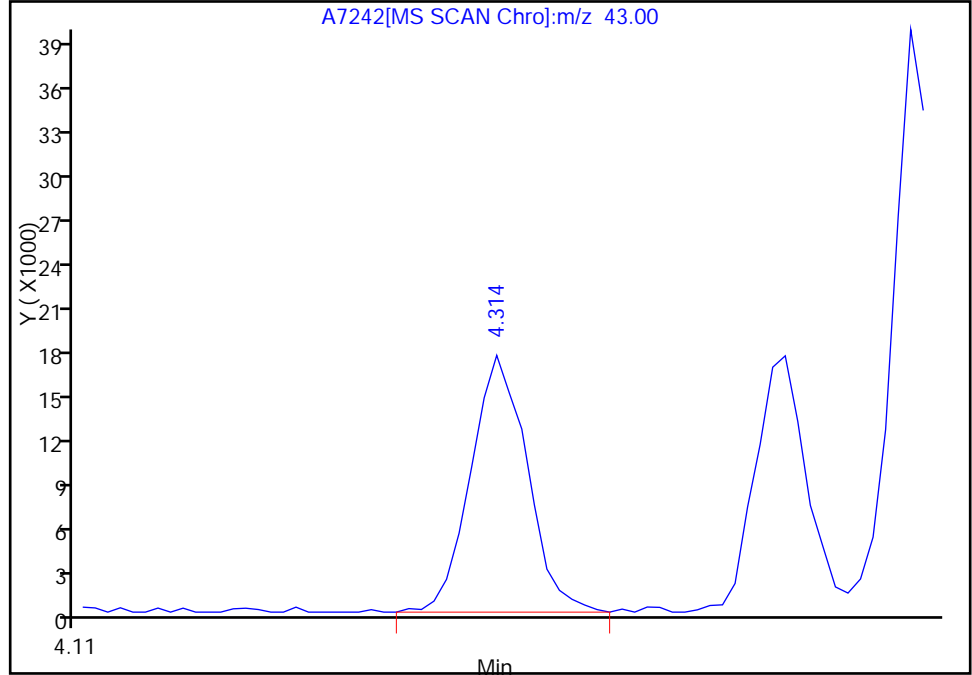


Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7242.D  
Injection Date: 28-Jan-2012 07:51:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 93022 Lims Sample ID: 3  
Operator ID: JLH

39 2-Butanone (MEK), Signal: 1, m/z: 43.0 Type: quant, RT: 4.45

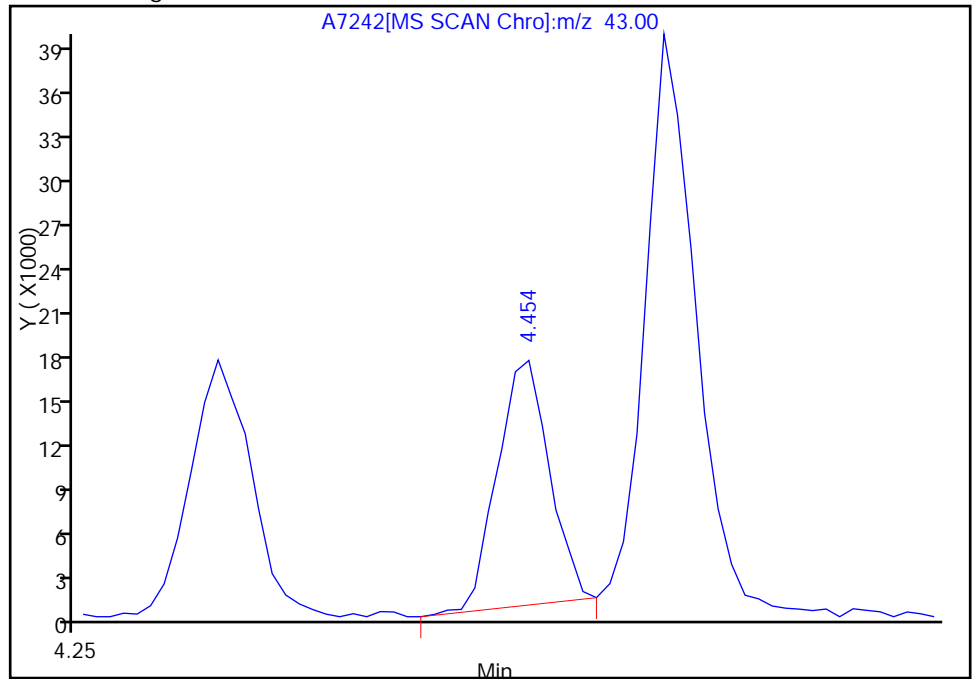
RT: 4.31  
Response: 33390  
Amount: 71.077069

Processing Integration Results



RT: 4.45  
Response: 27202  
Amount: 57.904715

Manual Integration Results



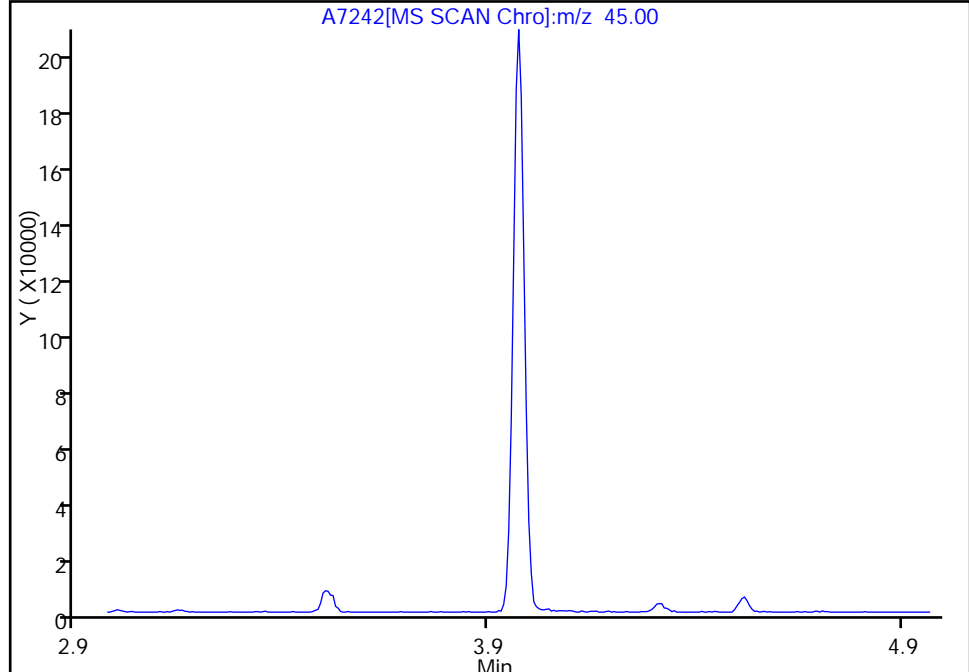
Reviewer: hallj, 28-Jan-2012 08:26:31  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7242.D  
Injection Date: 28-Jan-2012 07:51:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 93022 Lims Sample ID: 3  
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 3.97

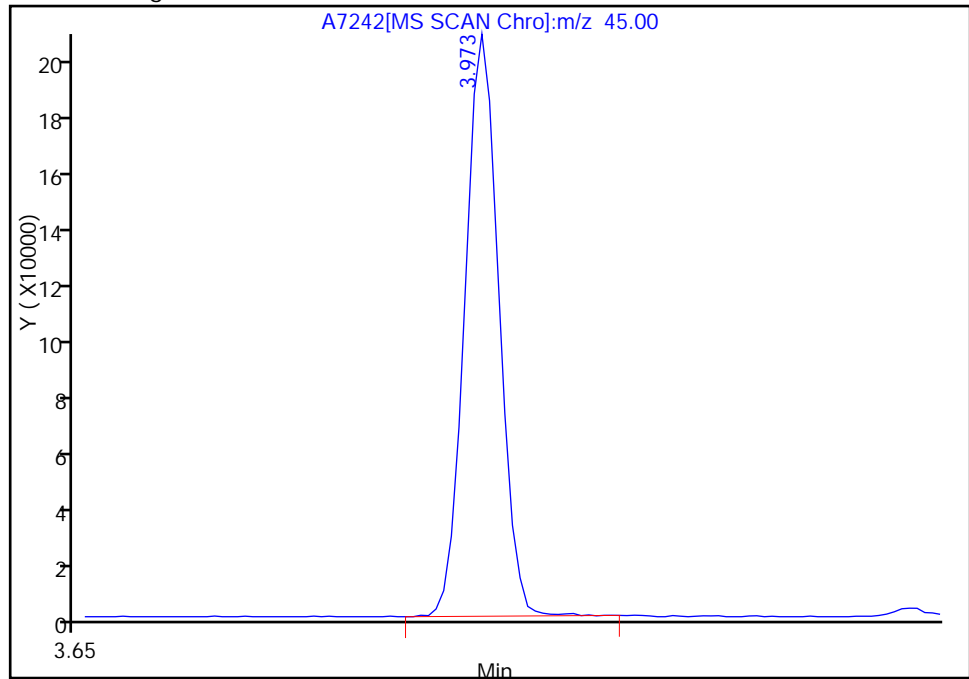
Not Detected  
Expected RT: 3.97

Processing Integration Results



Manual Integration Results

RT: 3.97  
Response: 375908  
Amount: 56.707836



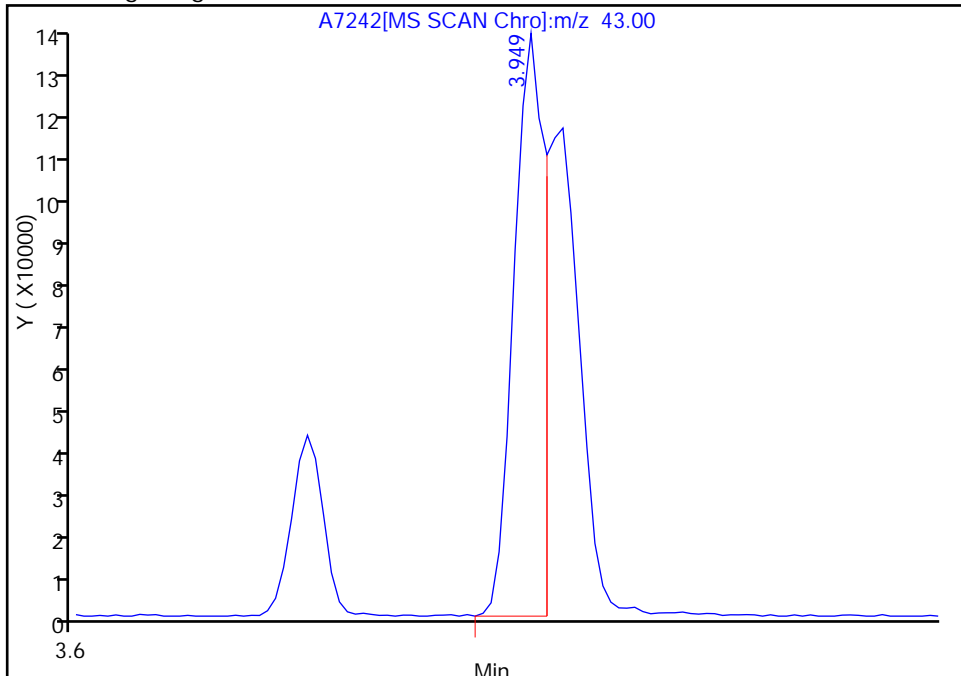
Reviewer: hallj, 28-Jan-2012 08:26:31  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7242.D  
Injection Date: 28-Jan-2012 07:51:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSB  
Lims Batch ID: 93022 Lims Sample ID: 3  
Operator ID: JLH

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.95

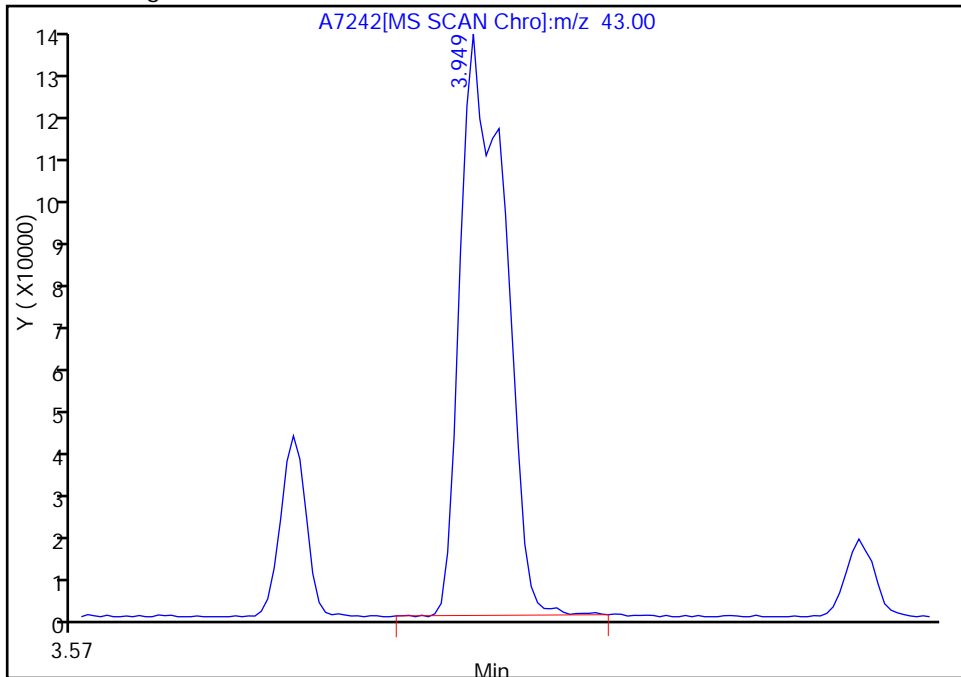
RT: 3.95  
Response: 220322  
Amount: 60.436135

Processing Integration Results



RT: 3.95  
Response: 380558  
Amount: 104.3902

Manual Integration Results



Reviewer: hallj, 28-Jan-2012 08:26:31  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

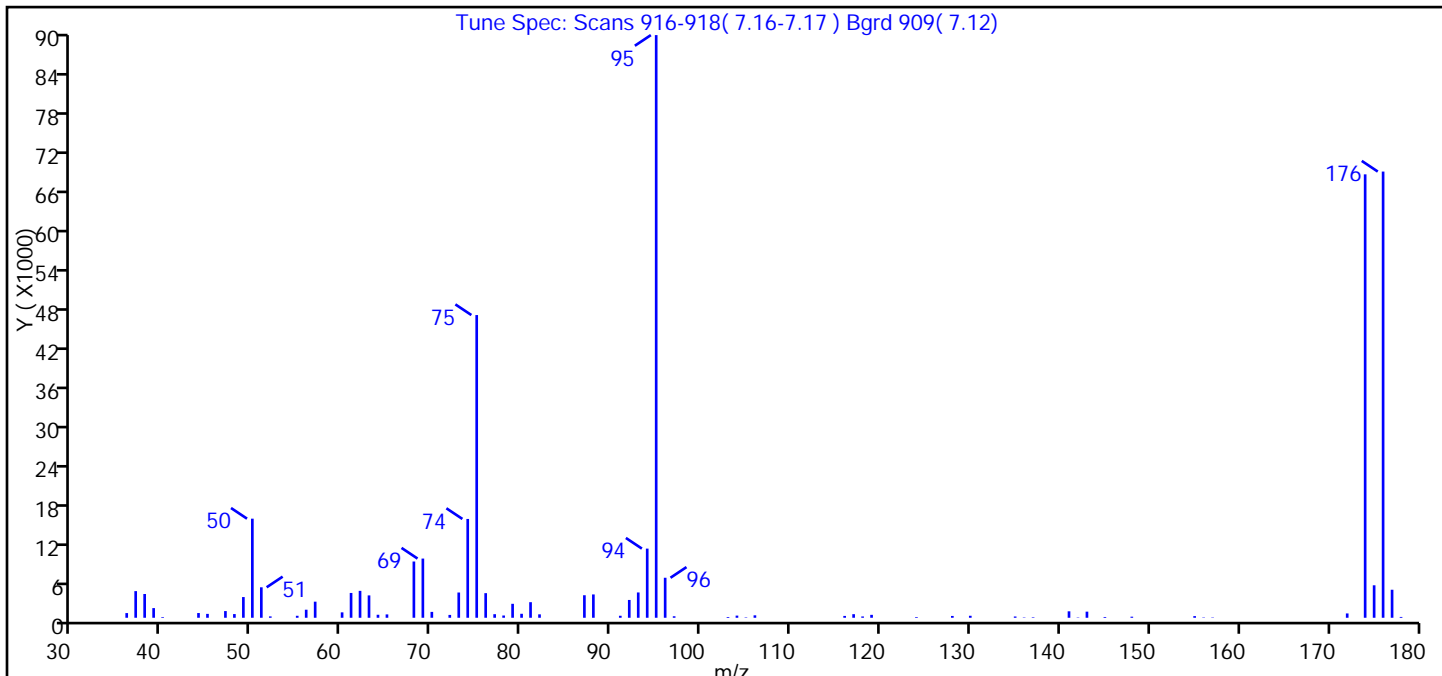
Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7351.D  
 Lims ID: BFB Client ID:  
 Inject. Date: 28-Jan-2012 06:20:30 Dil. Factor: 1.0000  
 Sample Type: BFB  
 Sample ID: BFB0128121:50NG  
 Misc. Info.: 510-0006241-002 =510-0006241-002  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93020 Lims Sample ID: 2  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 06:34:05 Calib Date: 26-Dec-2011 12:39:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20111226-6116.b\E6709.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 28-Jan-2012 06:34:05

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	7.168	7.168	0.0	23	11461	50.0	
\$ 100 BFB	95	7.168	7.168	0.0	0	163528	0	

Data File: \\valsrv08\ChromData\VMSA\20120128-6241.b\E7351.D  
 Injection Date: 28-Jan-2012 06:20:30 Limit Group: VMS - 8260 VOA Calibration  
 Client ID: Instrument ID: VMSA  
 Lims Batch ID: 93020 Lims Sample ID: 2  
 Operator ID: JLH  
 Tune Method: BFB Method 8260

\$ 100 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.01
75	30.00 - 60.00% of mass 95	51.95
96	5.00 - 9.00% of mass 95	6.87
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	Greater than 50.00% of mass 95	76.10
175	5.00 - 9.00% of mass 174	5.57 ( 7.32)
176	95.00 - 101.00% of mass 174	76.58 (100.63)
177	5.00 - 9.00% of mass 176	4.81 ( 6.28)

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7351.D\8260-SO-VMSA-E.rslt\spectra.d  
Injection Date: 28-Jan-2012 06:20:30  
Spectrum: Tune Spec: Scans 916-918( 7.16-7.17 ) Bgrd 909( 7.12)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 73

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	716	63.00	3418	91.00	307	136.00	55
37.00	4072	64.00	461	92.00	2723	137.00	79
38.00	3633	65.00	514	93.00	3869	141.00	987
39.00	1478	68.00	8598	94.00	10569	142.00	53
40.00	106	69.00	9047	95.00	89048	143.00	935
44.00	722	70.00	899	96.00	6115	145.00	119
45.00	594	72.00	437	97.00	229	148.00	166
47.00	1022	73.00	3860	103.00	117	155.00	252
48.00	565	74.00	15102	104.00	331	156.00	55
49.00	3165	75.00	46264	105.00	64	157.00	54
50.00	15145	76.00	3761	106.00	373	172.00	661
51.00	4656	77.00	547	116.00	282	174.00	67768
52.00	208	78.00	346	117.00	549	175.00	4963
55.00	304	79.00	2134	118.00	201	176.00	68192
56.00	1231	80.00	609	119.00	447	177.00	4283
57.00	2460	81.00	2382	124.00	107	178.00	127
60.00	827	82.00	525	128.00	279		
61.00	3792	87.00	3443	130.00	306		
62.00	4113	88.00	3566	135.00	194		



TestAmerica Laboratories  
Target Compound Quantitation Report

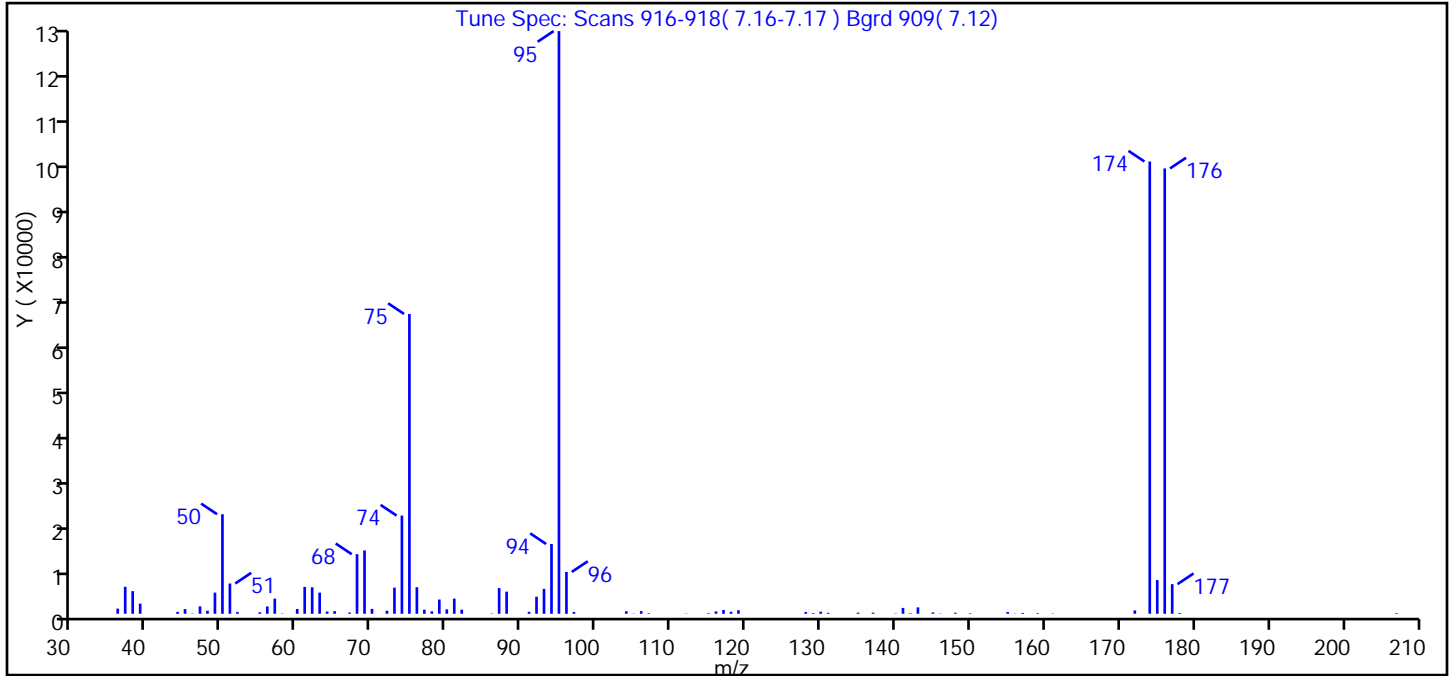
Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7375.D  
 Lims ID: BFB Client ID:  
 Inject. Date: 29-Jan-2012 08:31:30 Dil. Factor: 1.0000  
 Sample Type: BFB  
 Sample ID: BFB0129121:50NG  
 Misc. Info.: 510-0006246-001 =510-0006246-001  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93034 Lims Sample ID: 1  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120129-6246.b\8260-SO-VMSA-E.m  
 Last Update: 29-Jan-2012 08:47:54 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 29-Jan-2012 08:47:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	7.166	7.166	0.0	24	15642	50.0	
\$ 100 BFB	95	7.166	7.166	0.0	0	216964	0	

Data File: \\valsrv08\ChromData\VMSA\20120129-6246.b\E7375.D  
 Injection Date: 29-Jan-2012 08:31:30 Limit Group: VMS - 8260 VOA Calibration  
 Client ID: Instrument ID: VMSA  
 Lims Batch ID: 93034 Lims Sample ID: 1  
 Operator ID: JLH  
 Tune Method: BFB Method 8260

\$ 100 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.08
75	30.00 - 60.00% of mass 95	51.46
96	5.00 - 9.00% of mass 95	7.18
173	Less than 2.00% of mass 174	0.00 ( 0.00)
174	Greater than 50.00% of mass 95	77.62
175	5.00 - 9.00% of mass 174	5.78 ( 7.45)
176	95.00 - 101.00% of mass 174	76.43 ( 98.47)
177	5.00 - 9.00% of mass 176	5.09 ( 6.66)

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7375.D\8260-SO-VMSA-E.rslt\spectra.d  
 Injection Date: 29-Jan-2012 08:31:30  
 Spectrum: Tune Spec: Scans 916-918( 7.16-7.17 ) Bgrd 909( 7.12)  
 Base Peak: 95.00  
 Minimum % Base Peak: 0  
 Number of Points: 84

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1083	64.00	482	92.00	3612	137.00	231
37.00	5709	65.00	550	93.00	5267	140.00	61
38.00	4788	67.00	266	94.00	14766	141.00	1235
39.00	2141	68.00	12610	95.00	123320	142.00	115
44.00	391	69.00	13402	96.00	8854	143.00	1350
45.00	988	70.00	1034	97.00	387	145.00	272
46.00	68	72.00	643	104.00	535	146.00	61
47.00	1556	73.00	5535	105.00	56	148.00	216
48.00	642	74.00	20784	106.00	562	150.00	108
49.00	4480	75.00	63456	107.00	119	155.00	365
50.00	21064	76.00	5622	112.00	52	156.00	57
51.00	6407	77.00	872	115.00	129	157.00	178
52.00	362	78.00	514	116.00	502	159.00	127
55.00	313	79.00	3009	117.00	802	161.00	62
56.00	1544	80.00	929	118.00	416	172.00	711
57.00	3208	81.00	3211	119.00	740	174.00	95720
58.00	68	82.00	865	128.00	382	175.00	7128
60.00	1013	86.00	69	129.00	142	176.00	94256
61.00	5687	87.00	5435	130.00	440	177.00	6273
62.00	5596	88.00	4686	131.00	196	178.00	172
63.00	4478	91.00	414	135.00	226	207.00	143

TestAmerica Laboratories  
 Target Compound Quantitation Report

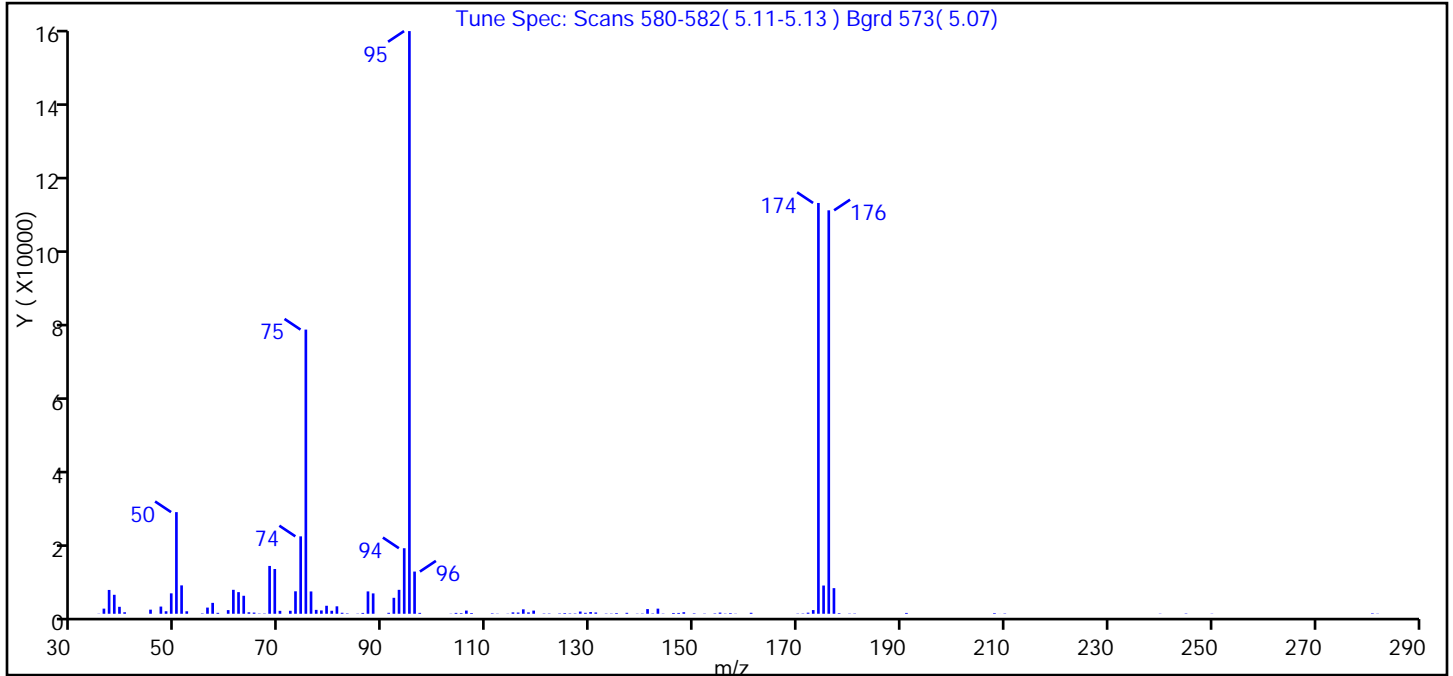
Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7080.D  
 Lims ID: BFB Client ID:  
 Inject. Date: 21-Jan-2012 08:18:30 Dil. Factor: 1.0000  
 Sample Type: BFB  
 Sample ID: BFB0121121:50NG  
 Misc. Info.: 510-0006222-001 =510-0006222-001  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 92688 Lims Sample ID: 1  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120121-6222.b\VMSB-8260.m  
 Last Update: 21-Jan-2012 08:28:52 Calib Date: 17-Jan-2012 13:23:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120117-6208.b\A6974.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 21-Jan-2012 08:28:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
\$ 4 BFB	95	5.121	5.121	0.0	0	267667	0	

Data File: \\valsrv08\ChromData\VMSB\20120121-6222.b\A7080.D  
 Injection Date: 21-Jan-2012 08:18:30 Limit Group: VMS - 8260 VOA Calibration  
 Client ID: Instrument ID: VMSB  
 Lims Batch ID: 92688 Lims Sample ID: 1  
 Operator ID: JLH  
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.44
75	30.00 - 60.00% of mass 95	48.77
96	5.00 - 9.00% of mass 95	7.24
173	Less than 2.00% of mass 174	0.63 ( 0.90)
174	Greater than 50.00% of mass 95	70.50
175	5.00 - 9.00% of mass 174	4.85 ( 6.87)
176	95.00 - 101.00% of mass 174	69.24 ( 98.21)
177	5.00 - 9.00% of mass 176	4.40 ( 6.35)

Data File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7080.D\VMSB-8260.rsl\spectra.d  
Injection Date: 21-Jan-2012 08:18:30  
Spectrum: Tune Spec: Scans 580-582( 5.11-5.13 ) Bgrd 573( 5.07)  
Base Peak: 95.00  
Minimum % Base Peak: 0  
Number of Points: 115

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	51	73.00	5919	114.00	54	150.00	123
36.00	1354	74.00	20400	115.00	367	152.00	71
37.00	6279	75.00	74880	116.00	323	154.00	112
38.00	5000	76.00	5883	117.00	1170	155.00	309
39.00	1836	77.00	1024	118.00	364	156.00	72
40.00	396	78.00	877	119.00	839	157.00	172
45.00	1084	79.00	2110	121.00	87	158.00	55
47.00	1896	80.00	791	122.00	88	161.00	255
48.00	664	81.00	1963	124.00	102	170.00	72
49.00	5383	82.00	266	125.00	175	171.00	87
50.00	26784	83.00	114	126.00	102	172.00	292
51.00	7481	85.00	63	127.00	97	173.00	972
52.00	657	86.00	224	128.00	585	174.00	108248
55.00	104	87.00	5892	129.00	254	175.00	7440
56.00	1630	88.00	5369	130.00	452	176.00	106312
57.00	2872	91.00	251	131.00	341	177.00	6753
58.00	247	92.00	4206	133.00	78	178.00	164
60.00	963	93.00	6307	134.00	74	180.00	68
61.00	6313	94.00	17272	135.00	184	181.00	80
62.00	5699	95.00	153536	137.00	249	191.00	218
63.00	4741	96.00	11119	139.00	62	208.00	167
64.00	389	97.00	236	140.00	78	209.00	13
65.00	309	103.00	54	141.00	1234	210.00	88
66.00	79	104.00	232	142.00	99	240.00	58
67.00	86	105.00	165	143.00	1349	245.00	89
68.00	12603	106.00	840	144.00	69	250.00	57
69.00	11793	107.00	197	146.00	207	281.00	127
70.00	773	111.00	125	147.00	218	282.00	58
72.00	789	112.00	57	148.00	406		

TestAmerica Laboratories  
Target Compound Quantitation Report

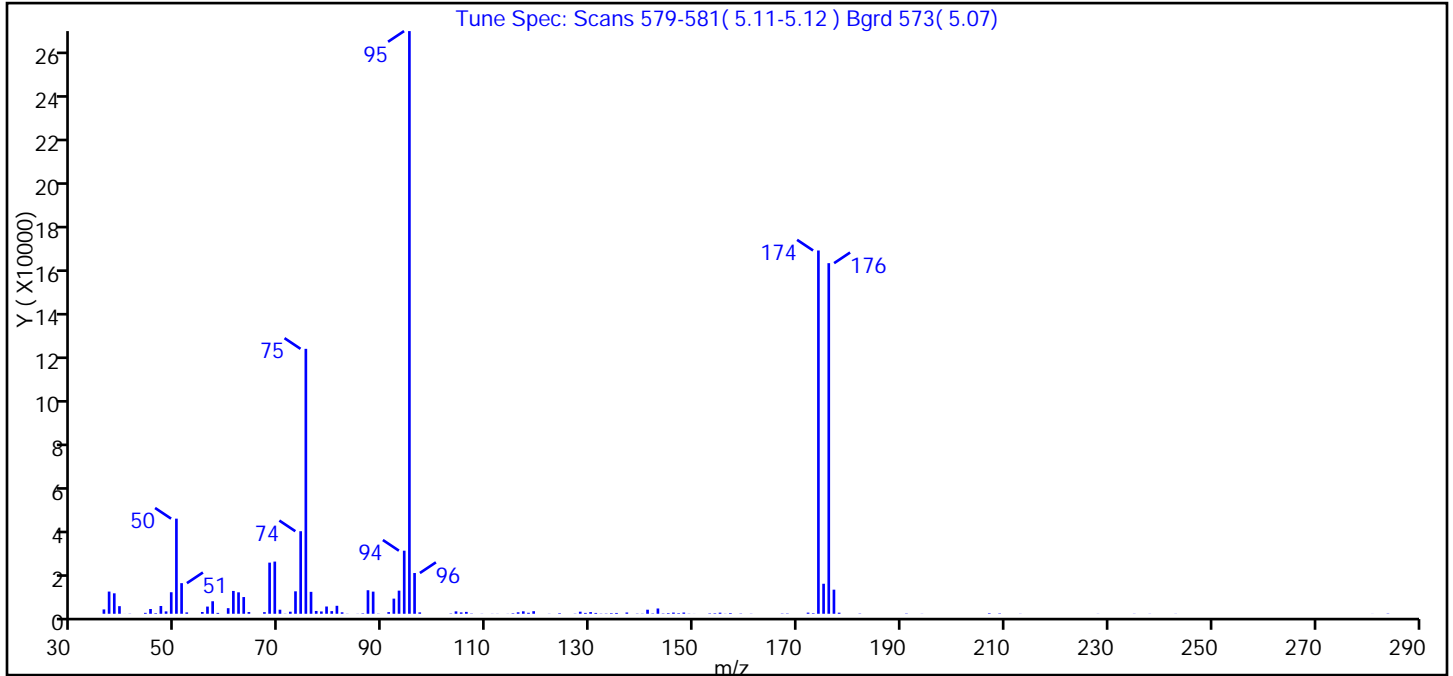
Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7240.D  
 Lims ID: BFB Client ID:  
 Inject. Date: 28-Jan-2012 06:43:30 Dil. Factor: 1.0000  
 Sample Type: BFB  
 Sample ID: BFB0128121:50NG  
 Misc. Info.: 510-0006242-001 =510-0006242-001  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93022 Lims Sample ID: 1  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSB\20120128-6242.b\VMSB-8260.m  
 Last Update: 28-Jan-2012 06:54:30 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 28-Jan-2012 06:54:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.645	5.645	0.0	1	381	50.0	
\$ 4 BFB	95	5.116	5.164	-0.048	0	468264	0	

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7240.D  
 Injection Date: 28-Jan-2012 06:43:30 Limit Group: VMS - 8260 VOA Calibration  
 Client ID: Instrument ID: VMSB  
 Lims Batch ID: 93022 Lims Sample ID: 1  
 Operator ID: JLH  
 Tune Method: BFB Method 8260

\$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.33
75	30.00 - 60.00% of mass 95	45.47
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.09 ( 0.15)
174	Greater than 50.00% of mass 95	62.35
175	5.00 - 9.00% of mass 174	5.15 ( 8.26)
176	95.00 - 101.00% of mass 174	60.17 ( 96.51)
177	5.00 - 9.00% of mass 176	4.14 ( 6.88)



Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7240.D\VMSB-8260.rsl\spectra.d  
 Injection Date: 28-Jan-2012 06:43:30  
 Spectrum: Tune Spec: Scans 579-581( 5.11-5.12 ) Bgrd 573( 5.07)  
 Base Peak: 95.00  
 Minimum % Base Peak: 0  
 Number of Points: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2000	73.00	10312	112.00	51	150.00	33
37.00	10198	74.00	37928	114.00	51	153.00	188
38.00	9396	75.00	121728	115.00	226	154.00	226
39.00	3498	76.00	10073	116.00	680	155.00	502
40.00	21	77.00	1283	117.00	1127	156.00	62
41.00	83	78.00	1058	118.00	460	157.00	297
44.00	422	79.00	3339	119.00	1177	159.00	125
45.00	2192	80.00	1214	122.00	68	161.00	71
46.00	276	81.00	3664	124.00	257	167.00	125
47.00	3573	82.00	672	127.00	94	168.00	140
48.00	1097	83.00	66	128.00	951	172.00	522
49.00	9890	85.00	56	129.00	400	173.00	249
50.00	43704	86.00	205	130.00	769	174.00	166912
51.00	14066	87.00	10813	131.00	389	175.00	13795
52.00	624	88.00	10173	132.00	106	176.00	161088
55.00	806	89.00	90	133.00	127	177.00	11075
56.00	3308	91.00	755	134.00	275	178.00	499
57.00	5751	92.00	6955	135.00	373	182.00	122
58.00	402	93.00	10628	137.00	582	191.00	134
60.00	2573	94.00	28984	139.00	110	194.00	54
61.00	10488	95.00	267712	140.00	82	207.00	243
62.00	9850	96.00	18728	141.00	1867	209.00	173
63.00	7680	97.00	636	142.00	163	213.00	58
64.00	787	103.00	145	143.00	2424	228.00	50
67.00	738	104.00	1102	144.00	150	235.00	67
68.00	23496	105.00	631	145.00	292	238.00	57
69.00	23976	106.00	861	146.00	542	243.00	53
70.00	1860	107.00	131	147.00	264	281.00	34
71.00	77	109.00	62	148.00	559	284.00	128
72.00	946	111.00	53	149.00	80		

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 510-93020/15  
 Matrix: Solid Lab File ID: E7364.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/28/2012 13:47  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<5.0		5.0	1.1
100-41-4	Ethylbenzene	<5.0		5.0	0.77
108-88-3	Toluene	<5.0		5.0	1.1
1330-20-7	Xylenes, Total	<10		10	2.0
1634-04-4	Methyl tert-butyl ether	<5.0		5.0	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	97		70-130
460-00-4	4-Bromofluorobenzene (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7364.D  
 Lims ID: MB Client ID:  
 Inject. Date: 28-Jan-2012 13:47:30 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: MB  
 Misc. Info.: 510-0006241-015 =510-0006241-015  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 13  
 Lims Batch ID: 93020 Lims Sample ID: 15  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:18:45 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 07:05:49

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.904	6.904	0.0	0	1372113	50.0	M
* 2 Chlorobenzene-d5	117	10.645	10.645	0.0	88	1027499	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	96	578129	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	412522	51.2	
\$ 100 BFB	95	6.904	7.159	-0.255	0	133710	0	
\$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	94	1312902	48.6	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	87	575058	49.3	
22 Methylene Chloride	84	4.264	4.251	0.013	75	11050	1.32	
27 Hexane	57	4.848	4.835	0.013	88	13010	0.9235	
95 Tetrahydrofuran	42	5.943	5.948	-0.005	0	4057	1.48	
46 Methylcyclohexane	83	7.561	7.554	0.007	84	6000	0.3375	
99 1,2,3-Trimethylbenzene	105	14.034	14.031	0.003	0	1401	0.0461	
89 Naphthalene	128	17.228	17.227	0.001	68	11351	0.5095	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 07:05:49

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7364.D

Injection Date: 28-Jan-2012 13:47:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

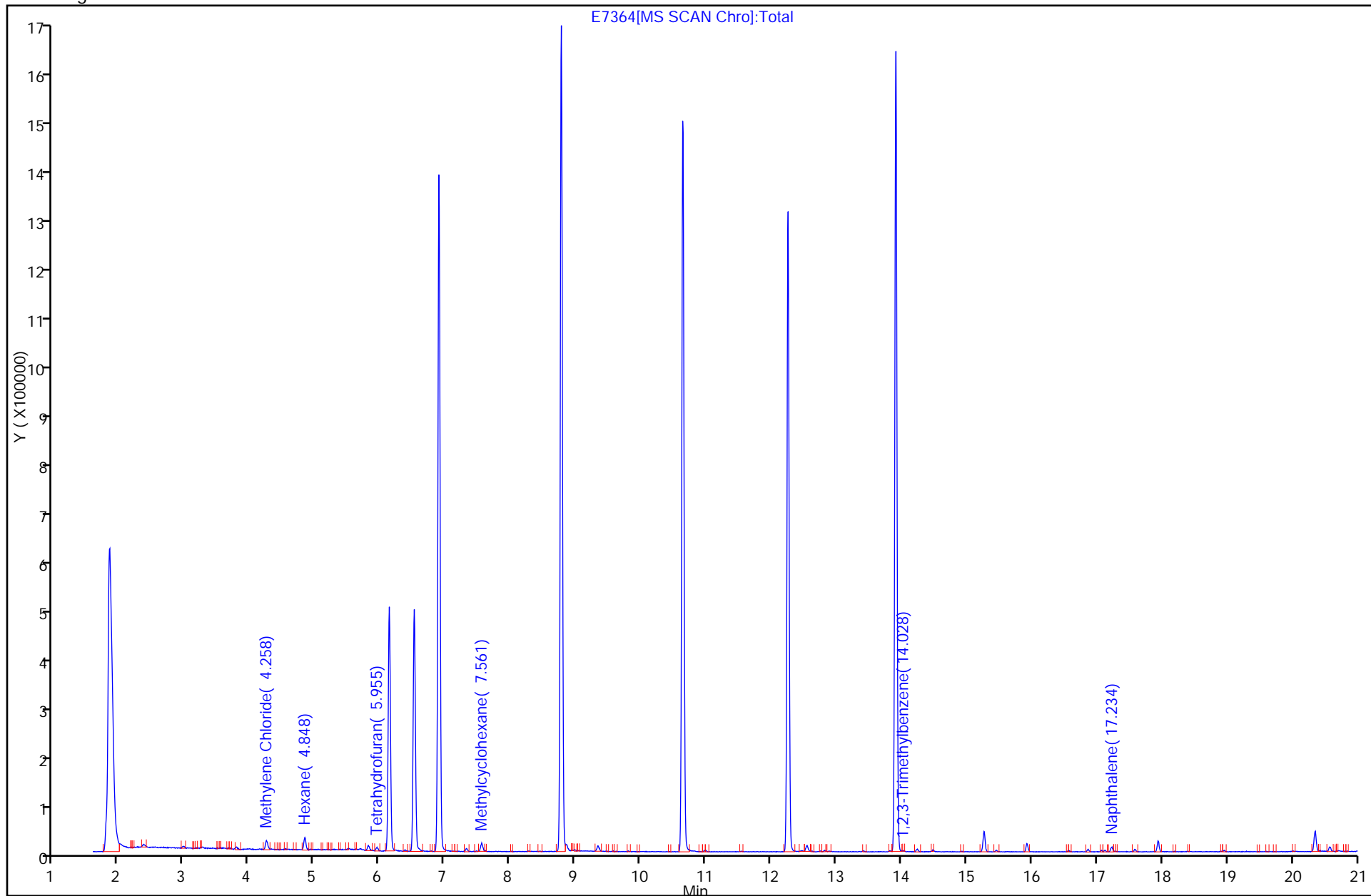
Instrument ID: VMSA

Lims Batch ID: 93020

Lims Sample ID: 15

Operator ID: JLH

Y Scaling:

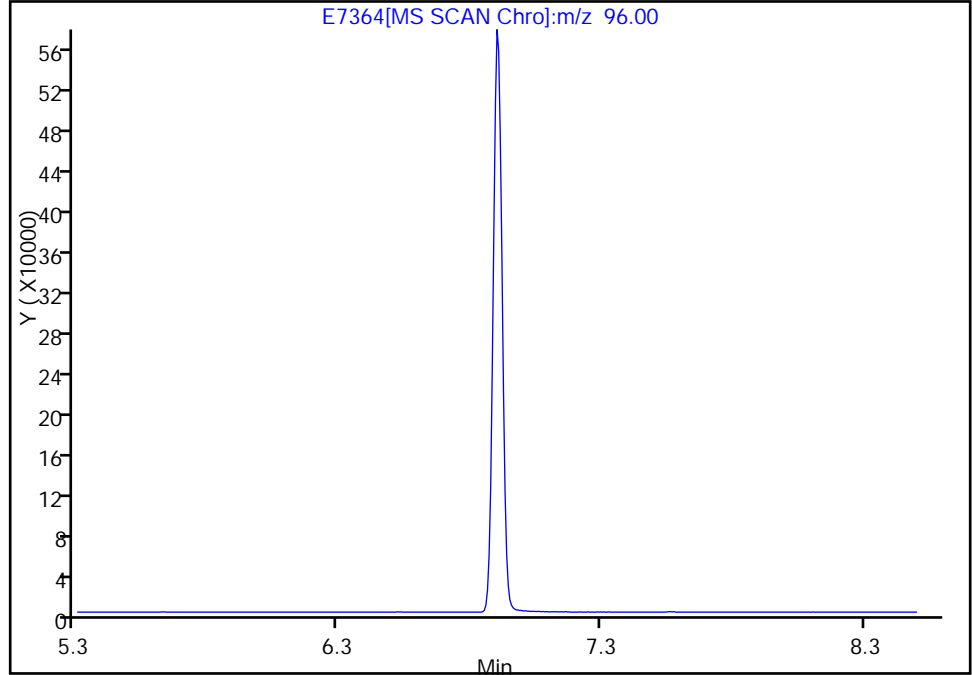


Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7364.D  
Injection Date: 28-Jan-2012 13:47:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93020 Lims Sample ID: 15  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

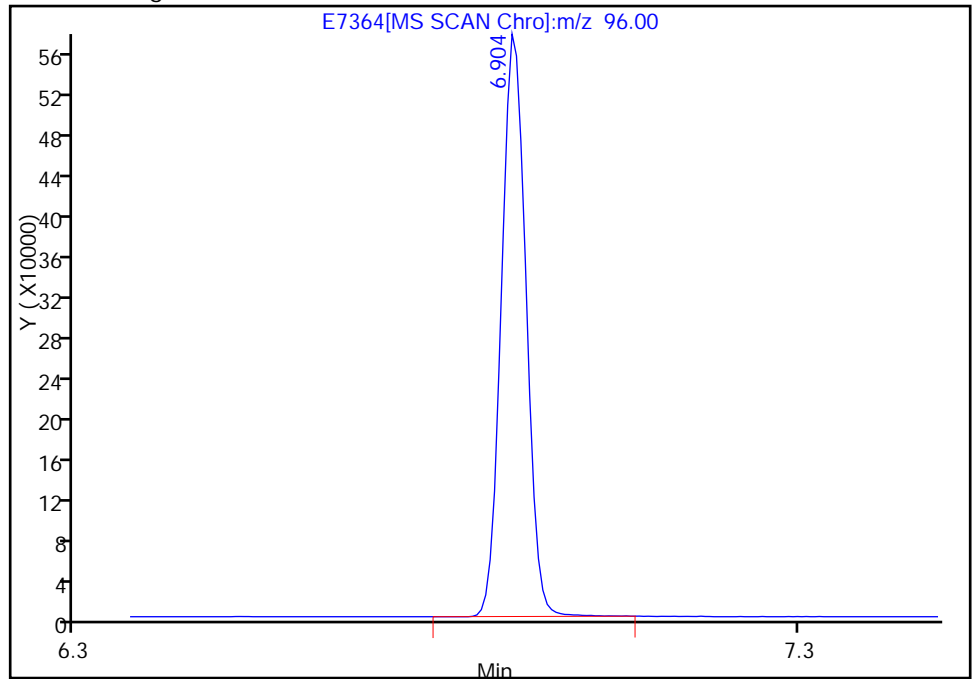
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.90  
Response: 1372113  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 07:05:49  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 510-93022/7  
 Matrix: Water Lab File ID: A7246.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 40 (mL) Date Analyzed: 01/28/2012 10:12  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<5.0		5.0	0.23
100-41-4	Ethylbenzene	<5.0		5.0	0.69
108-88-3	Toluene	<5.0		5.0	0.50
1330-20-7	Xylenes, Total	<10		10	2.0
1634-04-4	Methyl tert-butyl ether	<5.0		5.0	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	101		77-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		81-126

TestAmerica Laboratories  
Target Compound Quantitation Report

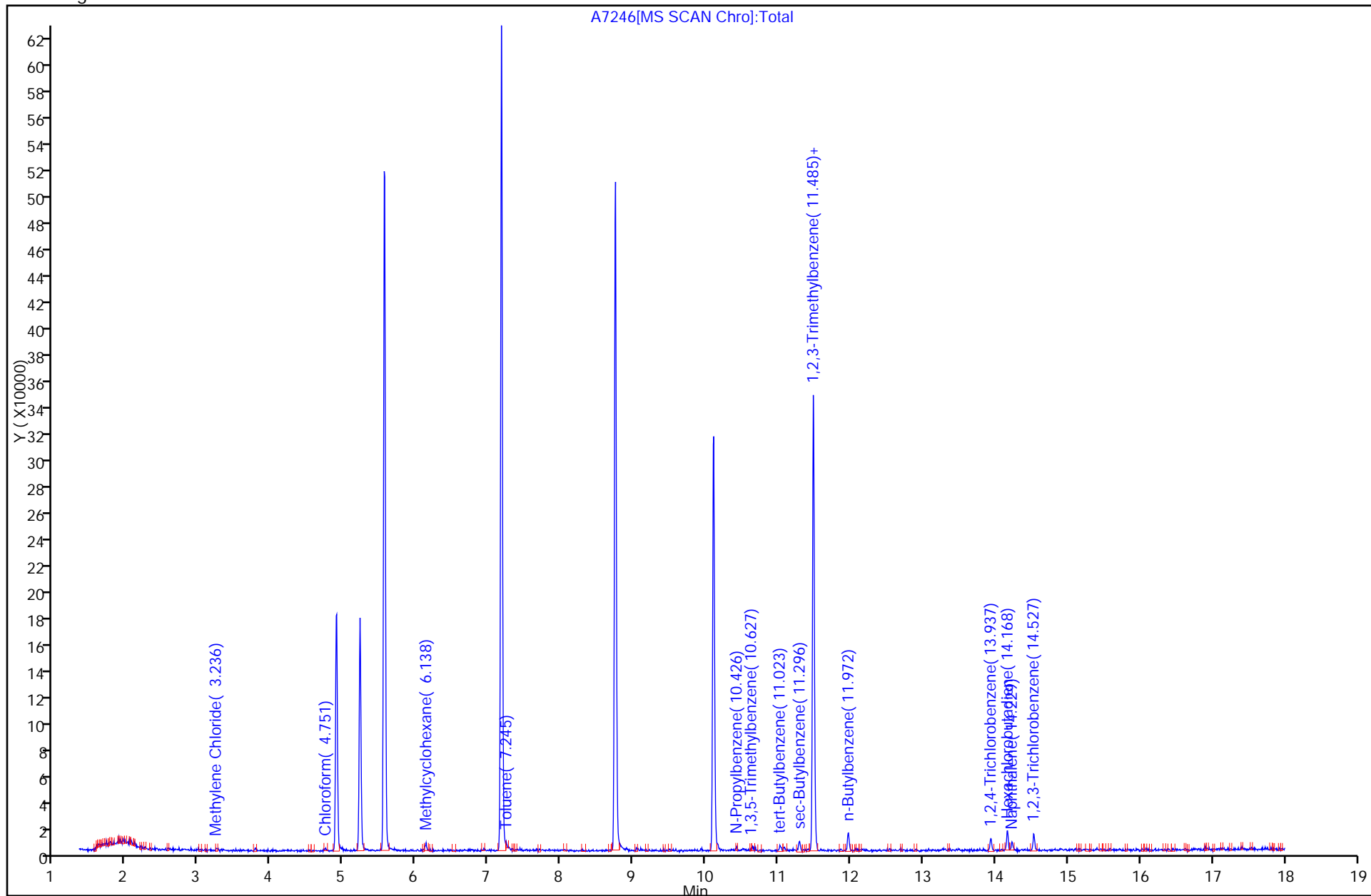
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 Lims ID: MB Client ID:  
 Inject. Date: 28-Jan-2012 10:12:30 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: MB  
 Misc. Info.: 510-0006242-007 =510-0006242-007  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 2  
 Lims Batch ID: 93022 Lims Sample ID: 7  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20120128-6242.b\VMSB-8260.m  
 Last Update: 28-Jan-2012 10:41:19 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 10:41:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.566	5.561	0.005	98	439403	50.0	
* 2 Chlorobenzene-d5	82	8.753	8.749	0.004	84	163309	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.491	11.486	0.005	94	103438	50.0	
\$ 103 Dibromofluoromethane	113	4.897	4.898	-0.001	0	105869	47.3	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.225	5.227	-0.001	0	115464	44.4	
\$ 6 Toluene-d8 (Surr)	98	7.178	7.179	-0.001	93	410482	49.4	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.110	10.105	0.005	82	134605	50.6	
26 Methylene Chloride	84	3.248	3.249	-0.001	10	612	0.2959	
44 Chloroform	83	4.757	4.746	0.011	1	1213	0.2927	
55 Methylcyclohexane	83	6.138	6.133	0.005	38	1806	0.8621	
62 Toluene	91	7.245	7.252	-0.007	20	1984	0.2265	
83 N-Propylbenzene	91	10.426	10.422	0.004	30	2418	0.3372	
85 1,3,5-Trimethylbenzene	105	10.633	10.641	-0.008	1	1361	0.2507	
87 tert-Butylbenzene	119	11.029	11.024	0.005	23	2623	0.5649	
89 sec-Butylbenzene	105	11.290	11.292	-0.002	34	6047	0.9752	
91 4-Isopropyltoluene	119	11.473	11.474	-0.001	39	4940	0.9372	
93 1,2,3-Trimethylbenzene	105	11.601	11.590	0.011	0	100	0.0186	
95 n-Butylbenzene	91	11.966	11.967	-0.001	60	7694	1.76	
97 1,2,4-Trichlorobenzene	180	13.943	13.938	0.005	1	2342	3.79	
98 Hexachlorobutadiene	225	14.174	14.163	0.011	42	2723	5.62	
99 Naphthalene	128	14.229	14.230	-0.001	36	5707	10.6	
100 1,2,3-Trichlorobenzene	180	14.533	14.528	0.005	39	4268	16.6	





FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 510-93034/6  
 Matrix: Solid Lab File ID: E7380.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/29/2012 11:49  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93034 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	<5.0		5.0	1.1
100-41-4	Ethylbenzene	<5.0		5.0	0.77
108-88-3	Toluene	<5.0		5.0	1.1
1330-20-7	Xylenes, Total	<10		10	2.0
1634-04-4	Methyl tert-butyl ether	<5.0		5.0	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	98		70-130
460-00-4	4-Bromofluorobenzene (Surr)	98		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7380.D  
 Lims ID: MB Client ID:  
 Inject. Date: 29-Jan-2012 11:49:30 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: MB  
 Misc. Info.: 510-0006246-006 =510-0006246-006  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 2  
 Lims Batch ID: 93034 Lims Sample ID: 6  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120129-6246.b\8260-SO-VMSA-E.m  
 Last Update: 29-Jan-2012 11:09:19 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 12:30:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.909	6.898	0.011	0	1368225	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.645	0.006	87	1028463	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.917	13.918	-0.001	96	573630	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.526	6.520	0.006	0	410933	51.2	
\$ 100 BFB	95	6.903	7.159	-0.256	0	135880	0	
\$ 6 Toluene-d8 (Surr)	98	8.783	8.777	0.006	93	1318166	49.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.257	0.006	87	568789	49.1	
22 Methylene Chloride	84	4.263	4.245	0.018	82	12384	1.48	
27 Hexane	57	4.847	4.835	0.012	91	17735	1.26	
95 Tetrahydrofuran	42	5.954	5.949	0.005	0	3629	1.33	
46 Methylcyclohexane	83	7.560	7.555	0.005	88	8739	0.4930	
99 1,2,3-Trimethylbenzene	105	14.027	14.027	0.0	0	846	0.0280	
89 Naphthalene	128	17.233	17.227	0.006	67	7220	0.3266	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 12:30:00

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7380.D

Injection Date: 29-Jan-2012 11:49:30

Limit Group: VMS - 8260 VOA Calibration

Client ID:

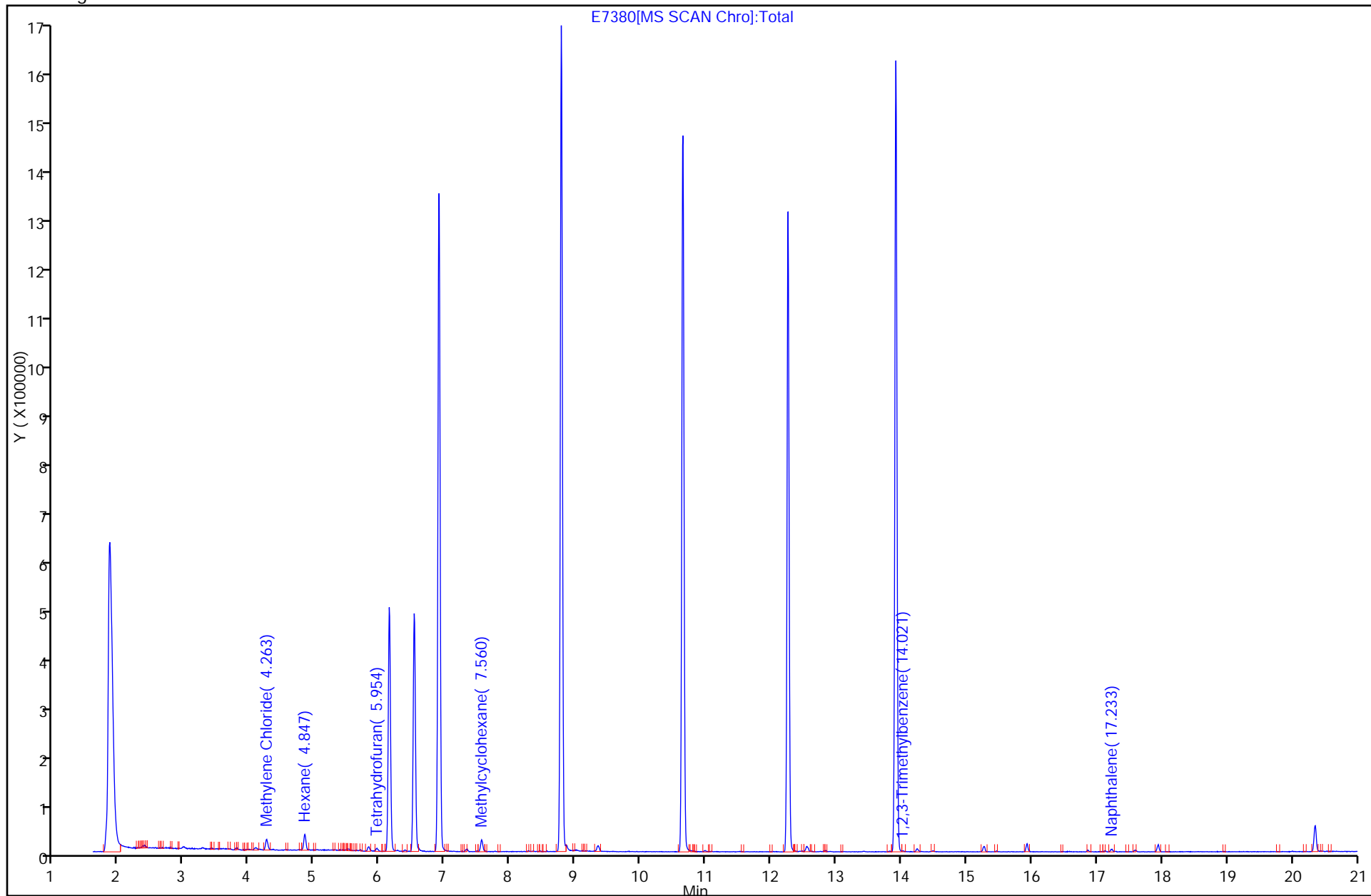
Instrument ID: VMSA

Lims Batch ID: 93034

Lims Sample ID: 6

Operator ID: JLH

Y Scaling:

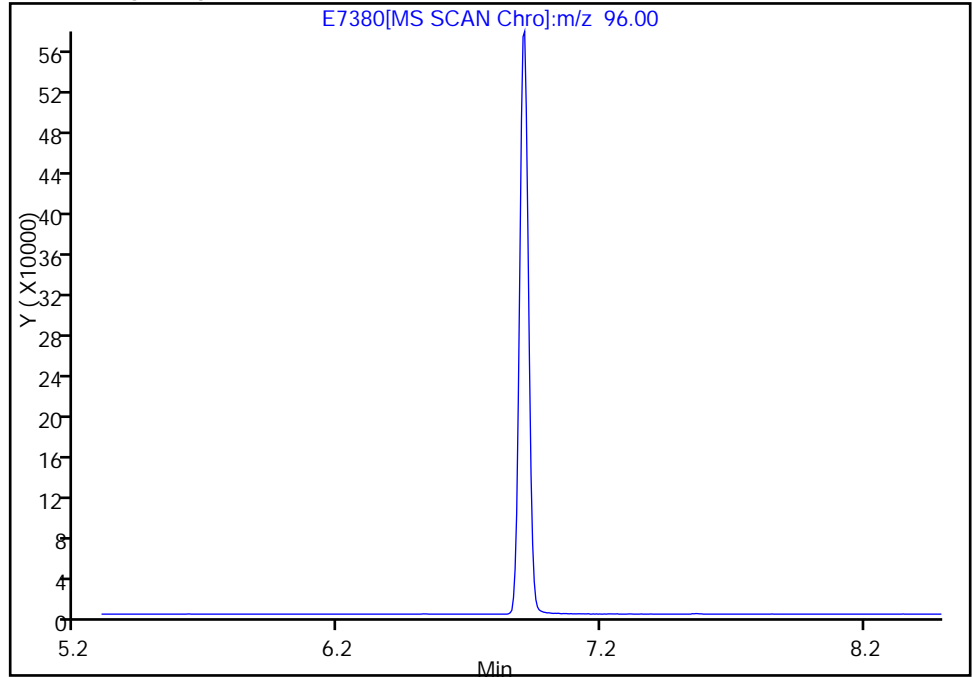


Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7380.D  
Injection Date: 29-Jan-2012 11:49:30 Limit Group: VMS - 8260 VOA Calibration  
Client ID: Instrument ID: VMSA  
Lims Batch ID: 93034 Lims Sample ID: 6  
Operator ID: JLH

\* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.90

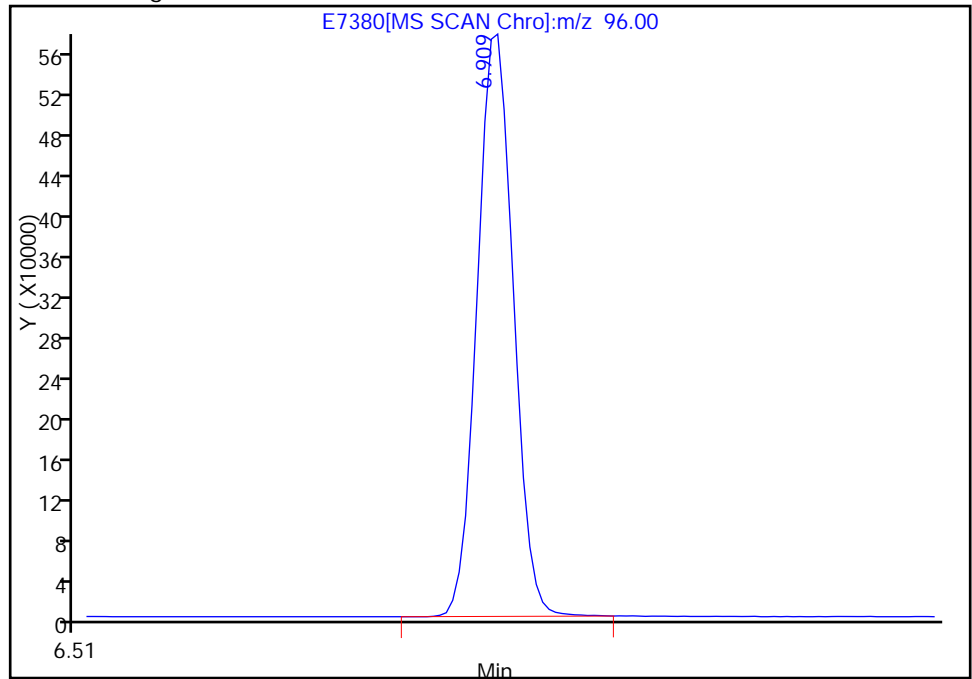
Not Detected  
Expected RT: 6.90

Processing Integration Results



RT: 6.91  
Response: 1368225  
Amount: 50.000000

Manual Integration Results



Reviewer: hallj, 29-Jan-2012 12:30:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 510-93020/13  
 Matrix: Solid Lab File ID: E7362.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/28/2012 12:38  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93020 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	57.9		5.0	1.1
100-41-4	Ethylbenzene	59.7		5.0	0.77
108-88-3	Toluene	57.8		5.0	1.1
1330-20-7	Xylenes, Total	175		10	2.0
1634-04-4	Methyl tert-butyl ether	55.7		5.0	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7362.D  
 Lims ID: LCS Client ID:  
 Inject. Date: 28-Jan-2012 12:38:30 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: LCS  
 Misc. Info.: 510-0006241-013 =510-0006241-013  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 11  
 Lims Batch ID: 93020 Lims Sample ID: 13  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20120128-6241.b\8260-SO-VMSA-E.m  
 Last Update: 28-Jan-2012 13:06:28 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 13:06:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.903	6.904	-0.001	97	1472069	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.645	0.006	87	1102648	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	89	650438	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.526	6.520	0.006	0	438949	50.8	
\$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	93	1445618	49.9	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	87	659763	50.3	
8 Dichlorodifluoromethane	85	2.055	2.110	-0.055	88	507671	42.4	M
9 Chloromethane	50	2.268	2.268	0.0	89	468501	45.2	
10 Vinyl chloride	62	2.395	2.454	-0.059	82	514538	31.4	
11 Bromomethane	94	2.773	2.725	0.048	92	149332	122.5	E
12 Chloroethane	64	2.888	2.822	0.066	94	369012	45.3	
13 Trichlorofluoromethane	101	3.180	3.071	0.109	80	628764	49.9	
15 Acrolein	56	3.630	3.625	0.005	88	83058	72.9	
16 1,1-Dichloroethene	96	3.746	3.734	0.012	98	425738	54.3	
18 Acetone	58	3.795	3.795	0.0	96	78798	66.4	
19 Iodomethane	142	3.910	3.898	0.012	99	407764	64.9	
20 Carbon disulfide	76	3.989	3.977	0.012	99	1466542	61.9	
21 Methyl acetate	43	4.148	4.142	0.006	97	383424	39.0	
22 Methylene Chloride	84	4.257	4.251	0.006	85	488467	54.4	
24 Acrylonitrile	53	4.519	4.513	0.006	99	171885	55.3	
25 trans-1,2-Dichloroethene	96	4.555	4.543	0.012	67	468369	52.7	
26 Methyl tert-butyl ether	73	4.555	4.555	0.0	97	1262059	55.7	
23 2-Methyl-2-propanol	59	4.379	4.617	-0.238	30	212894	200.8	M
27 Hexane	57	4.841	4.835	0.006	93	741354	49.0	
28 1,1-Dichloroethane	63	4.999	4.993	0.006	85	768537	48.7	
29 Vinyl acetate	43	5.054	5.042	0.012	98	1524899	83.2	
30 Isopropyl ether	45	5.072	5.067	0.005	0	1433326	55.6	M
31 Tert-butyl ethyl ether	59	5.462	5.456	0.006	91	1230701	57.5	
32 cis-1,2-Dichloroethene	96	5.626	5.620	0.006	88	565152	57.5	
33 2,2-Dichloropropane	77	5.626	5.626	0.0	71	718081	55.5	
34 2-Butanone (MEK)	72	5.632	5.638	-0.006	54	96474	62.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
93 Propionitrile	54	5.699	5.699	0.0	0	71521	55.4	
35 Chlorobromomethane	130	5.887	5.882	0.005	94	297110	55.5	
95 Tetrahydrofuran	42	5.948	5.948	0.0	0	152220	49.3	
36 Chloroform	83	5.966	5.961	0.005	69	886571	56.2	
37 1,1,1-Trichloroethane	97	6.185	6.180	0.005	92	711969	51.0	
38 Cyclohexane	84	6.252	6.247	0.005	89	898209	53.7	
39 1,1-Dichloropropene	75	6.368	6.362	0.006	94	794022	56.5	
40 Carbon tetrachloride	117	6.374	6.368	0.006	75	667722	57.7	
41 Benzene	78	6.599	6.593	0.006	93	2078830	57.9	
42 1,2-Dichloroethane	62	6.611	6.605	0.006	49	652175	54.5	
43 Isobutyl alcohol	41	6.715	6.706	0.009	41	182793	53.5	
44 Tert-amyl methyl ether	73	6.715	6.709	0.006	94	1255780	56.7	
45 Trichloroethene	132	7.329	7.323	0.006	89	485546	53.6	
46 Methylcyclohexane	83	7.560	7.554	0.006	93	1039020	54.5	
47 1,2-Dichloropropane	63	7.591	7.585	0.006	0	560704	56.2	M
48 Dibromomethane	93	7.725	7.725	0.0	89	281173	55.0	
49 Dichlorobromomethane	83	7.901	7.901	0.0	91	629938	54.6	
50 2-Chloroethyl vinyl ether	63	8.254	8.248	0.006	90	254933	104.0	
54 cis-1,3-Dichloropropene	75	8.442	8.443	-0.001	92	749701	55.3	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.625	0.0	96	459699	57.0	
53 Toluene	91	8.868	8.862	0.006	82	2056760	57.8	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	89	765715	65.0	
55 Ethyl methacrylate	69	9.233	9.234	-0.001	76	747797	58.4	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	87	377677	56.7	
57 Tetrachloroethene	164	9.562	9.562	0.0	89	410107	54.1	
58 1,3-Dichloropropane	76	9.580	9.580	0.0	89	803071	55.4	
59 2-Hexanone	43	9.677	9.678	-0.001	72	381426	61.0	
60 Chlorodibromomethane	129	9.878	9.878	0.0	89	408544	55.1	
61 Ethylene Dibromide	107	10.036	10.037	-0.001	100	389644	56.3	
62 Chlorobenzene	112	10.687	10.687	0.0	94	1288353	56.0	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	87	449824	55.6	
64 Ethylbenzene	91	10.833	10.827	0.006	97	2309671	59.7	
65 m-Xylene & p-Xylene	91	10.991	10.992	-0.001	0	3263075	118.9	
66 o-Xylene	91	11.533	11.533	0.0	89	1785969	56.1	
67 Styrene	104	11.551	11.551	0.0	88	1464676	58.5	
68 Bromoform	173	11.807	11.807	0.0	98	274296	56.8	
69 Isopropylbenzene	105	12.050	12.044	0.006	95	1955510	57.9	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	92	561172	53.8	
70 Bromobenzene	156	12.476	12.476	0.0	90	552634	55.9	
72 1,2,3-Trichloropropane	75	12.531	12.534	-0.003	80	773195	60.5	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.546	-0.009	43	176487	65.5	
74 N-Propylbenzene	91	12.628	12.632	-0.004	94	2575073	58.8	
75 2-Chlorotoluene	91	12.750	12.753	-0.003	94	1650366	58.2	
76 1,3,5-Trimethylbenzene	105	12.883	12.884	-0.001	20	1818878	57.7	M
77 4-Chlorotoluene	91	12.908	12.902	0.006	94	1945805	60.0	
78 tert-Butylbenzene	119	13.346	13.346	0.0	89	1581202	58.2	
80 1,2,4-Trimethylbenzene	105	13.419	13.419	0.0	58	1890293	58.7	
81 sec-Butylbenzene	105	13.668	13.668	0.0	96	2279584	57.6	
82 1,3-Dichlorobenzene	146	13.826	13.830	-0.004	94	1043970	56.9	
79 4-Isopropyltoluene	119	13.875	13.875	0.0	85	1943309	59.0	
83 1,4-Dichlorobenzene	146	13.948	13.954	-0.006	85	1067509	57.1	
84 n-Butylbenzene	91	14.477	14.477	0.0	93	1911891	59.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
85 1,2-Dichlorobenzene	146	14.495	14.496	-0.001	93	979524	57.1	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	60	106890	59.3	
87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	93	705860	61.8	
88 Hexachlorobutadiene	225	17.130	17.124	0.006	94	459551	56.4	
89 Naphthalene	128	17.227	17.227	0.0	98	1497829	59.8	
90 1,2,3-Trichlorobenzene	180	17.592	17.586	0.006	95	680275	59.3	
S 91 Xylenes, Total	100				0		175.0	

## QC Flag Legend

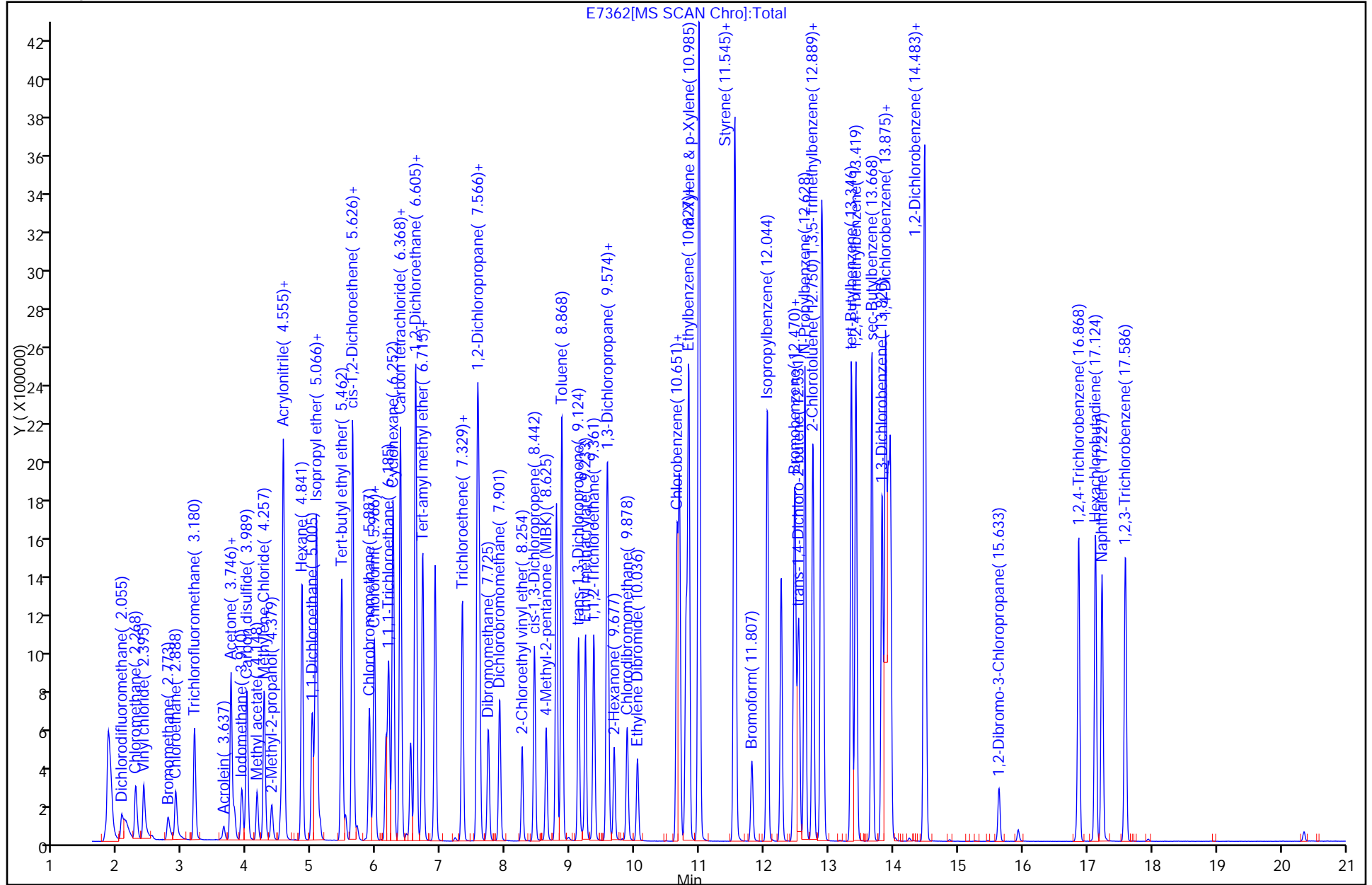
## Processing Flags

E - Exceeded Maximum Amount

## Review Flags

M - Manually Integrated





FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 510-93022/5  
 Matrix: Water Lab File ID: A7244.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 40 (mL) Date Analyzed: 01/28/2012 09:07  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93022 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	55.6		5.0	0.23
100-41-4	Ethylbenzene	56.9		5.0	0.69
108-88-3	Toluene	55.3		5.0	0.50
1330-20-7	Xylenes, Total	162		10	2.0
1634-04-4	Methyl tert-butyl ether	54.6		5.0	0.50

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	105		77-132
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		81-126

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20120128-6242.b\A7244.D  
 Lims ID: LCS Client ID:  
 Inject. Date: 28-Jan-2012 09:07:30 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: LCS  
 Misc. Info.: 510-0006242-005 =510-0006242-005  
 Operator: JLH Instrument ID: VMSB  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93022 Lims Sample ID: 5  
 Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20120128-6242.b\VMSB-8260.m  
 Last Update: 28-Jan-2012 09:55:36 Calib Date: 21-Jan-2012 12:53:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSB\20120121-6222.b\A7089.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 28-Jan-2012 09:55:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.566	5.561	0.005	98	453042	50.0	
* 2 Chlorobenzene-d5	82	8.747	8.749	-0.002	85	166424	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.485	11.486	-0.001	95	102448	50.0	
\$ 103 Dibromofluoromethane	113	4.902	4.898	0.004	0	112237	48.7	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	5.225	5.227	-0.001	0	120150	44.9	
\$ 6 Toluene-d8 (Surr)	98	7.178	7.179	-0.001	93	423752	49.5	
\$ 7 4-Bromofluorobenzene (Surr)	95	10.104	10.105	-0.001	82	137904	52.4	
11 Dichlorodifluoromethane	85	1.429	1.430	-0.001	88	129697	49.0	
12 Chloromethane	50	1.587	1.583	0.005	89	108410	57.4	
13 Vinyl chloride	62	1.684	1.686	-0.002	83	104678	40.7	
14 Bromomethane	94	1.982	1.984	-0.002	89	48634	66.1	
15 Chloroethane	64	2.080	2.081	-0.001	94	64835	48.4	
16 Trichlorofluoromethane	101	2.323	2.325	-0.002	77	188686	48.0	
18 Acrolein	56	2.694	2.696	-0.002	87	10990	69.0	
19 1,1-Dichloroethene	61	2.798	2.799	-0.001	88	190168	64.9	
21 Acetone	43	2.834	2.836	-0.002	92	16756	46.4	
22 Iodomethane	142	2.937	2.939	-0.002	99	107424	91.3	
23 Carbon disulfide	76	3.004	3.006	-0.002	99	374278	87.7	
25 Methyl acetate	43	3.150	3.152	-0.002	97	46365	38.9	
26 Methylene Chloride	84	3.248	3.249	-0.001	86	119827	56.2	
27 2-Methyl-2-propanol	59	3.345	3.347	-0.002	90	20644	247.5	
28 Acrylonitrile	53	3.467	3.462	0.005	94	23471	64.4	
30 trans-1,2-Dichloroethene	61	3.509	3.511	-0.002	84	180752	56.2	
29 Methyl tert-butyl ether	73	3.509	3.511	-0.002	88	262748	54.6	
31 Hexane	57	3.783	3.779	0.004	93	91019	61.5	
32 1,1-Dichloroethane	63	3.899	3.894	0.005	97	200282	49.8	
33 Vinyl acetate	43	3.972	3.949	0.023	99	333212	92.0	M
34 Isopropyl ether	45	3.972	3.973	-0.001	92	387755	58.9	
35 Tert-butyl ethyl ether	59	4.312	4.314	-0.002	97	330887	55.2	
37 cis-1,2-Dichloroethene	61	4.446	4.442	0.004	89	200038	53.2	
36 2,2-Dichloropropane	77	4.446	4.448	-0.002	71	189379	53.9	

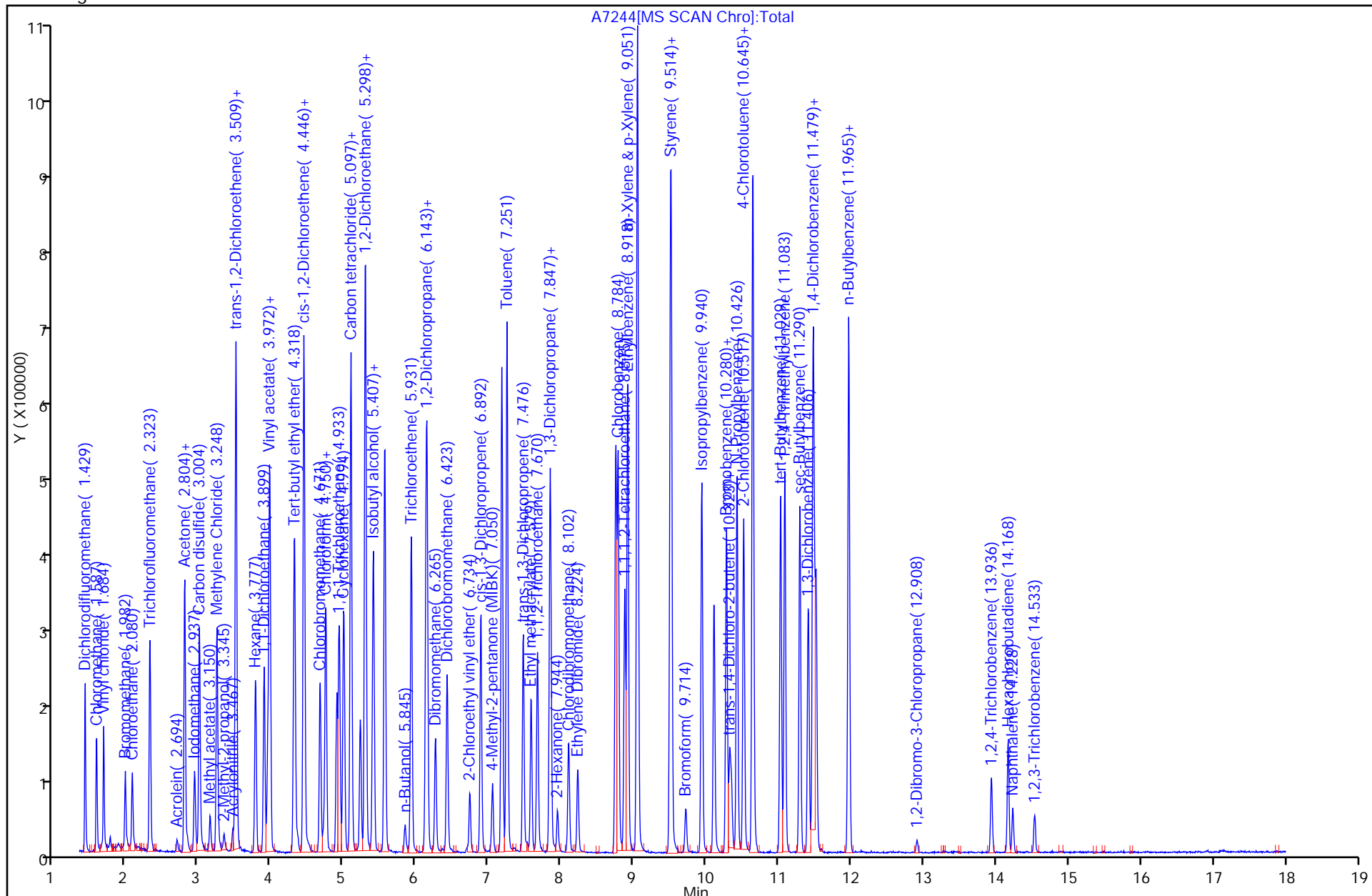
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
39 2-Butanone (MEK)	43	4.452	4.454	-0.002	28	26632	57.1	
41 Propionitrile	54	4.495	4.496	-0.001	60	6713	61.1	
42 Chlorobromomethane	130	4.671	4.673	-0.002	86	77308	55.1	
43 Tetrahydrofuran	42	4.714	4.716	-0.002	86	15712	62.1	
44 Chloroform	83	4.750	4.746	0.004	80	228391	53.4	
45 1,1,1-Trichloroethane	97	4.933	4.935	-0.001	89	183705	48.0	
46 Cyclohexane	56	4.994	4.995	-0.001	91	137054	61.1	
48 1,1-Dichloropropene	75	5.097	5.093	0.004	94	167046	55.9	
47 Carbon tetrachloride	117	5.097	5.099	-0.002	86	163701	54.7	
49 Benzene	78	5.292	5.293	-0.001	95	495278	55.6	
50 1,2-Dichloroethane	62	5.298	5.300	-0.002	53	156082	46.5	
51 Tert-amyl methyl ether	73	5.401	5.403	-0.002	98	280971	51.9	
52 Isobutyl alcohol	41	5.407	5.409	-0.002	44	33720	50.9	
53 n-Butanol	56	5.845	5.841	0.004	0	19233	1615.6	
54 Trichloroethene	132	5.931	5.932	-0.001	89	129469	54.8	
55 Methylcyclohexane	83	6.131	6.133	-0.002	93	125259	58.0	
56 1,2-Dichloropropane	63	6.150	6.145	0.005	87	126214	57.8	
57 Dibromomethane	93	6.265	6.261	0.004	86	60062	50.6	
58 Dichlorobromomethane	83	6.423	6.425	-0.002	99	142707	51.0	
59 2-Chloroethyl vinyl ether	63	6.740	6.735	0.005	87	31431	102.2	
60 cis-1,3-Dichloropropene	75	6.892	6.887	0.005	91	173623	49.8	
61 4-Methyl-2-pentanone (MIBK)	43	7.050	7.052	-0.002	96	56938	55.6	
62 Toluene	91	7.251	7.252	-0.001	91	499533	55.3	
63 trans-1,3-Dichloropropene	75	7.476	7.471	0.005	93	155606	53.2	
64 Ethyl methacrylate	69	7.585	7.581	0.004	92	103864	55.5	
65 1,1,2-Trichloroethane	83	7.670	7.672	-0.002	87	67473	55.6	
66 Tetrachloroethene	166	7.841	7.836	0.005	83	86053	50.9	
67 1,3-Dichloropropane	76	7.853	7.855	-0.002	91	145446	52.3	
68 2-Hexanone	43	7.944	7.946	-0.002	96	34845	51.8	
69 Chlorodibromomethane	129	8.102	8.104	-0.002	86	86267	44.2	
70 Ethylene Dibromide	107	8.224	8.226	-0.002	96	82671	54.0	
71 Chlorobenzene	112	8.784	8.785	-0.001	93	303236	55.3	
72 1,1,1,2-Tetrachloroethane	131	8.875	8.877	-0.002	89	106907	54.1	
73 Ethylbenzene	91	8.918	8.913	0.005	97	468886	56.9	
74 m-Xylene & p-Xylene	91	9.051	9.047	0.004	0	701738	109.6	
75 o-Xylene	91	9.502	9.503	-0.001	92	367100	52.7	
76 Styrene	104	9.520	9.515	0.005	93	302919	55.9	
77 Bromoform	173	9.721	9.716	0.005	93	28876	41.2	
78 Isopropylbenzene	105	9.940	9.935	0.005	97	358566	59.1	
79 1,1,2,2-Tetrachloroethane	83	10.280	10.276	0.004	62	61750	56.6	
80 Bromobenzene	77	10.280	10.276	0.004	90	169790	60.8	
81 1,2,3-Trichloropropane	75	10.323	10.324	-0.001	34	76024	52.9	
82 trans-1,4-Dichloro-2-butene	53	10.347	10.349	-0.002	40	17728	55.6	
83 N-Propylbenzene	91	10.426	10.422	0.004	96	413367	58.2	
84 2-Chlorotoluene	91	10.517	10.513	0.004	96	281515	59.8	
85 1,3,5-Trimethylbenzene	105	10.639	10.641	-0.002	89	317431	59.0	
86 4-Chlorotoluene	91	10.645	10.647	-0.002	92	328400	59.7	
87 tert-Butylbenzene	119	11.029	11.024	0.004	91	262339	57.0	
88 1,2,4-Trimethylbenzene	105	11.083	11.085	-0.002	61	318093	58.1	
89 sec-Butylbenzene	105	11.290	11.292	-0.002	94	358223	58.3	
90 1,3-Dichlorobenzene	146	11.406	11.407	-0.001	95	152827	54.3	
91 4-Isopropyltoluene	119	11.473	11.474	-0.001	91	320381	61.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
92 1,4-Dichlorobenzene	146	11.515	11.517	-0.002	91	158335	56.7	
94 1,2-Dichlorobenzene	146	11.959	11.961	-0.002	78	127960	55.3	
95 n-Butylbenzene	91	11.965	11.967	-0.002	95	262612	60.7	
96 1,2-Dibromo-3-Chloropropane	157	12.908	12.916	-0.008	19	4568	46.1	
97 1,2,4-Trichlorobenzene	180	13.936	13.938	-0.002	93	30695	50.2	
98 Hexachlorobutadiene	225	14.168	14.163	0.005	84	25905	54.0	
99 Naphthalene	128	14.228	14.230	-0.002	95	49850	49.7	
100 1,2,3-Trichlorobenzene	180	14.533	14.528	0.005	82	16376	60.2	
S 101 Xylenes, Total	100				0		162.3	

## QC Flag Legend

## Review Flags

M - Manually Integrated



FORM I  
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 510-93034/4  
 Matrix: Solid Lab File ID: E7378.D  
 Analysis Method: 8260B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/29/2012 10:34  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: 624/8260 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 93034 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-43-2	Benzene	56.8		5.0	1.1
100-41-4	Ethylbenzene	58.8		5.0	0.77
108-88-3	Toluene	56.7		5.0	1.1
1330-20-7	Xylenes, Total	173		10	2.0
1634-04-4	Methyl tert-butyl ether	53.9		5.0	0.85

CAS NO.	SURROGATE	%REC	Q	LIMITS
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	4-Bromofluorobenzene (Surr)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		76-137

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20120129-6246.b\E7378.D  
 Lims ID: LCS Client ID:  
 Inject. Date: 29-Jan-2012 10:34:30 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: LCS  
 Misc. Info.: 510-0006246-004 =510-0006246-004  
 Operator: JLH Instrument ID: VMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93034 Lims Sample ID: 4  
 Detector: MS SCAN  
 Method: \\valsvr08\ChromData\VMSA\20120129-6246.b\8260-SO-VMSA-E.m  
 Last Update: 29-Jan-2012 11:09:19 Calib Date: 28-Jan-2012 10:54:30  
 Quant Method: Internal/External Standard Quant By: Initial Calibration  
 Last ICal File: \\valsvr08\ChromData\VMSA\20120128-6241.b\E7359.D  
 Limit Group: VMS - 8260 VOA Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj

Date: 29-Jan-2012 11:09:19

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.907	6.898	0.009	97	1423140	50.0	
* 2 Chlorobenzene-d5	117	10.649	10.645	0.004	88	1069301	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.915	13.918	-0.003	87	649306	50.0	
\$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.524	6.520	0.004	0	425189	50.9	
\$ 6 Toluene-d8 (Surr)	98	8.781	8.777	0.004	93	1400242	50.0	
\$ 7 4-Bromofluorobenzene (Surr)	95	12.261	12.257	0.004	87	647140	49.4	
8 Dichlorodifluoromethane	85	2.053	2.098	-0.045	88	494384	42.7	M
9 Chloromethane	50	2.266	2.262	0.004	89	451924	45.1	
10 Vinyl chloride	62	2.399	2.390	0.009	82	501025	31.7	
11 Bromomethane	94	2.777	2.737	0.040	93	163230	140.3	E
12 Chloroethane	64	2.892	2.840	0.052	95	370905	47.1	
13 Trichlorofluoromethane	101	3.184	3.150	0.034	95	636698	52.3	
15 Acrolein	56	3.634	3.625	0.009	88	82656	75.0	
16 1,1-Dichloroethene	96	3.750	3.728	0.022	90	406048	53.6	
18 Acetone	58	3.793	3.795	-0.002	95	76685	66.9	
19 Iodomethane	142	3.914	3.898	0.016	99	417418	68.8	
20 Carbon disulfide	76	3.993	3.978	0.015	99	1404746	61.3	
21 Methyl acetate	43	4.152	4.142	0.010	95	375734	39.5	
22 Methylene Chloride	84	4.261	4.245	0.016	84	461793	53.2	
23 2-Methyl-2-propanol	59	4.371	4.397	-0.027	93	229055	223.5	
24 Acrylonitrile	53	4.517	4.513	0.003	98	170811	56.8	
25 trans-1,2-Dichloroethene	96	4.553	4.543	0.010	68	450311	52.4	
26 Methyl tert-butyl ether	73	4.553	4.549	0.004	97	1179932	53.9	
27 Hexane	57	4.845	4.835	0.010	94	735136	50.3	
28 1,1-Dichloroethane	63	5.003	4.993	0.010	85	717704	47.0	
29 Vinyl acetate	43	5.052	5.042	0.010	98	1453425	82.0	
30 Isopropyl ether	45	5.070	5.066	0.004	0	1327338	53.3	M
31 Tert-butyl ethyl ether	59	5.459	5.456	0.003	90	1103269	53.3	
33 2,2-Dichloropropane	77	5.630	5.620	0.010	75	636345	50.9	
32 cis-1,2-Dichloroethene	96	5.624	5.620	0.004	86	489766	51.6	
34 2-Butanone (MEK)	72	5.636	5.632	0.004	60	85701	57.7	



Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
93 Propionitrile	54	5.703	5.699	0.004	0	65510	50.9	
35 Chlorobromomethane	130	5.885	5.882	0.003	94	290200	56.1	
95 Tetrahydrofuran	42	5.952	5.949	0.003	0	153713	49.9	
36 Chloroform	83	5.964	5.961	0.003	70	838932	55.0	
37 1,1,1-Trichloroethane	97	6.183	6.180	0.003	91	667739	49.4	
38 Cyclohexane	84	6.256	6.247	0.009	88	860816	53.2	
39 1,1-Dichloropropene	75	6.366	6.356	0.010	94	757453	55.7	
40 Carbon tetrachloride	117	6.372	6.368	0.004	76	621606	55.6	
41 Benzene	78	6.597	6.593	0.004	93	1977020	56.8	
42 1,2-Dichloroethane	62	6.609	6.606	0.003	48	619548	53.6	
44 Tert-amyl methyl ether	73	6.713	6.709	0.004	93	1143243	53.4	
43 Isobutyl alcohol	41	6.713	6.709	0.004	42	176131	53.3	
102 n-Butanol	56	7.272	7.232	0.040	0	764	2.81	
45 Trichloroethene	132	7.327	7.323	0.004	90	463163	52.8	
46 Methylcyclohexane	83	7.558	7.555	0.003	93	1011358	54.9	
47 1,2-Dichloropropane	63	7.589	7.585	0.004	0	521624	54.1	M
48 Dibromomethane	93	7.722	7.725	-0.003	92	269842	54.6	
49 Dichlorobromomethane	83	7.905	7.901	0.004	94	595726	53.4	
50 2-Chloroethyl vinyl ether	63	8.252	8.248	0.004	91	241888	102.1	
54 cis-1,3-Dichloropropene	75	8.440	8.437	0.003	92	707462	54.0	
52 4-Methyl-2-pentanone (MIBK)	43	8.623	8.625	-0.002	96	446975	57.4	
53 Toluene	91	8.866	8.863	0.003	82	1953640	56.7	
51 trans-1,3-Dichloropropene	75	9.122	9.124	-0.002	89	723249	63.5	
55 Ethyl methacrylate	69	9.231	9.228	0.003	77	720072	58.2	
56 1,1,2-Trichloroethane	83	9.359	9.361	-0.002	87	367084	57.0	
57 Tetrachloroethene	164	9.566	9.562	0.004	89	395523	54.0	
58 1,3-Dichloropropane	76	9.578	9.580	-0.002	89	766975	54.8	
59 2-Hexanone	43	9.675	9.678	-0.003	79	380742	63.0	
60 Chlorodibromomethane	129	9.876	9.879	-0.002	86	391734	54.6	
61 Ethylene Dibromide	107	10.040	10.037	0.003	99	378246	56.5	
62 Chlorobenzene	112	10.685	10.688	-0.003	92	1237960	55.5	
63 1,1,1,2-Tetrachloroethane	131	10.789	10.791	-0.002	88	430117	54.8	
64 Ethylbenzene	91	10.831	10.828	0.003	97	2210089	58.8	
65 m-Xylene & p-Xylene	91	10.989	10.986	0.003	0	3142546	117.9	
66 o-Xylene	91	11.531	11.533	-0.002	90	1707614	55.3	
67 Styrene	104	11.549	11.551	-0.002	87	1409969	58.1	
68 Bromoform	173	11.805	11.807	-0.003	98	275753	58.9	
69 Isopropylbenzene	105	12.048	12.044	0.004	95	1884845	57.6	
71 1,1,2,2-Tetrachloroethane	83	12.455	12.458	-0.003	91	594073	57.1	
70 Bromobenzene	156	12.474	12.476	-0.002	90	543183	55.0	
72 1,2,3-Trichloropropane	75	12.522	12.525	-0.003	84	773693	60.6	
73 trans-1,4-Dichloro-2-butene	53	12.541	12.537	0.004	46	181178	67.3	
74 N-Propylbenzene	91	12.626	12.628	-0.002	94	2542025	58.0	
75 2-Chlorotoluene	91	12.754	12.750	0.004	96	1609677	56.9	
76 1,3,5-Trimethylbenzene	105	12.881	12.884	-0.003	32	1825638	58.0	M
77 4-Chlorotoluene	91	12.906	12.902	0.004	93	1912875	59.0	
78 tert-Butylbenzene	119	13.350	13.346	0.004	90	1537762	56.7	
80 1,2,4-Trimethylbenzene	105	13.417	13.419	-0.002	47	1874580	58.2	
81 sec-Butylbenzene	105	13.666	13.669	-0.002	96	2257957	57.1	
82 1,3-Dichlorobenzene	146	13.824	13.827	-0.003	95	1053184	57.5	
79 4-Isopropyltoluene	119	13.879	13.875	0.004	86	1946200	59.2	
83 1,4-Dichlorobenzene	146	13.952	13.954	-0.002	85	1067584	57.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
84 n-Butylbenzene	91	14.475	14.478	-0.003	92	1948483	60.9	
85 1,2-Dichlorobenzene	146	14.493	14.496	-0.003	90	985168	57.6	
86 1,2-Dibromo-3-Chloropropane	157	15.631	15.633	-0.002	60	115203	64.0	
87 1,2,4-Trichlorobenzene	180	16.866	16.868	-0.002	93	766495	67.2	
88 Hexachlorobutadiene	225	17.128	17.124	0.004	95	500119	61.4	
89 Naphthalene	128	17.231	17.227	0.004	98	1593093	63.7	
90 1,2,3-Trichlorobenzene	180	17.590	17.586	0.004	94	736454	64.3	
S 91 Xylenes, Total	100				0		173.2	

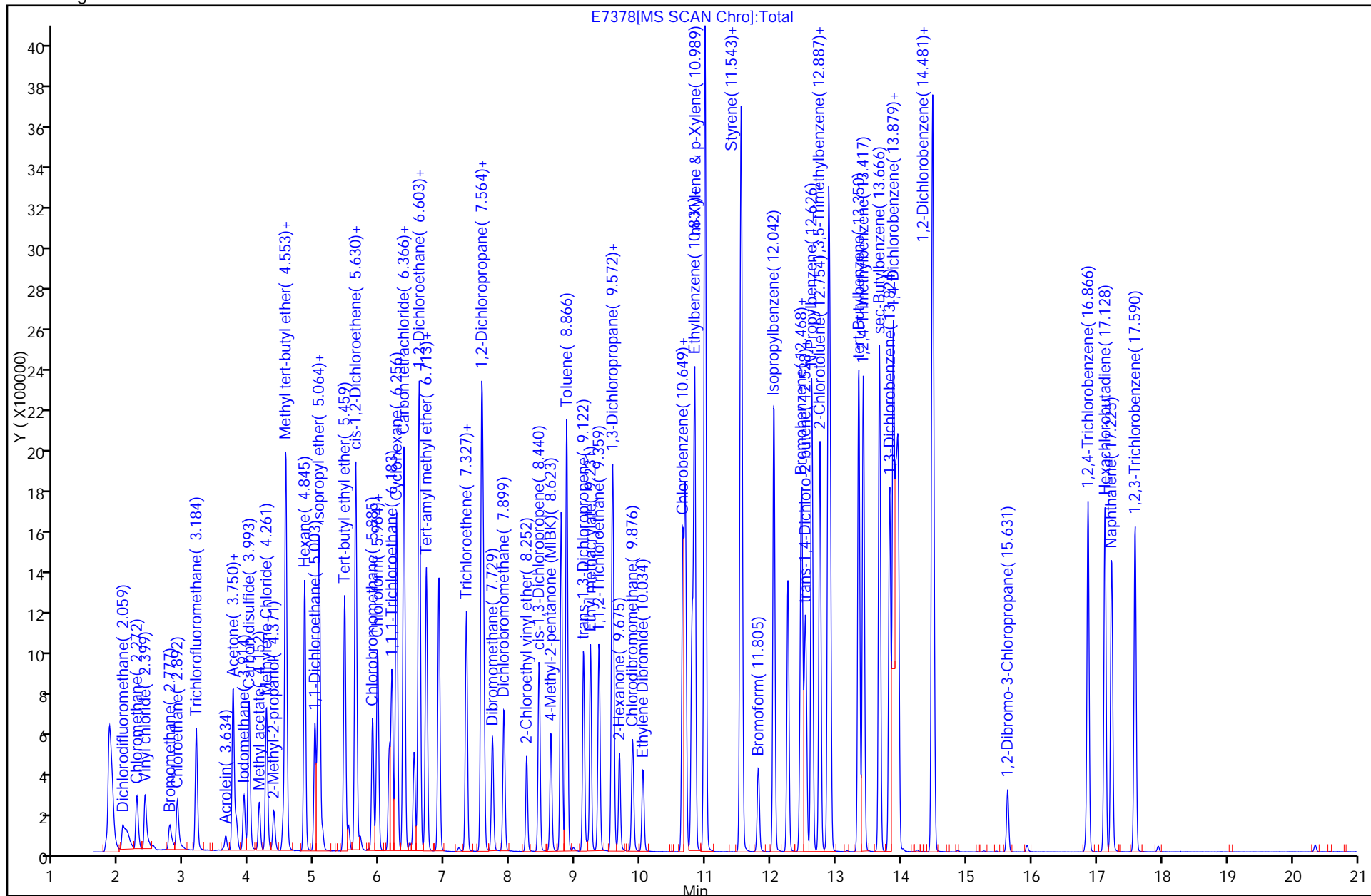
## QC Flag Legend

## Processing Flags

E - Exceeded Maximum Amount

## Review Flags

M - Manually Integrated



## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ValparaisoJob No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSAStart Date: 01/28/2012 06:05Analysis Batch Number: 93020End Date: 01/28/2012 18:21

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-93020/1		01/28/2012 06:05	1		624/8260 0.2 (mm)
BFB 510-93020/2		01/28/2012 06:20	1	E7351.D	624/8260 0.2 (mm)
STD005 510-93020/3 IC		01/28/2012 06:53	1	E7352.D	624/8260 0.2 (mm)
STD010 510-93020/4 IC		01/28/2012 07:27	1	E7353.D	624/8260 0.2 (mm)
STD020 510-93020/5 IC		01/28/2012 08:02	1	E7354.D	624/8260 0.2 (mm)
STD040 510-93020/6 IC		01/28/2012 08:36	1	E7355.D	624/8260 0.2 (mm)
STD050 510-93020/7 ICIS		01/28/2012 09:11	1	E7356.D	624/8260 0.2 (mm)
STD100 510-93020/8 IC		01/28/2012 09:45	1	E7357.D	624/8260 0.2 (mm)
STD150 510-93020/9 IC		01/28/2012 10:20	1	E7358.D	624/8260 0.2 (mm)
STD200 510-93020/10 IC		01/28/2012 10:54	1	E7359.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 11:29	1		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 12:03	1		624/8260 0.2 (mm)
LCS 510-93020/13		01/28/2012 12:38	1	E7362.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 13:12	1		624/8260 0.2 (mm)
MB 510-93020/15		01/28/2012 13:47	1	E7364.D	624/8260 0.2 (mm)
510-74911-1	SB0058: TK14SW1:030040	01/28/2012 14:21	1	E7365.D	624/8260 0.2 (mm)
510-74911-2	SB0058: TK14SW2:030040	01/28/2012 14:56	1	E7366.D	624/8260 0.2 (mm)
510-74911-3	SB0058: TK14SW3:030040	01/28/2012 15:30	1	E7367.D	624/8260 0.2 (mm)
510-74911-4	SB0058: TK14SW4:030040	01/28/2012 16:04	1	E7368.D	624/8260 0.2 (mm)
510-74911-5	SB0058: TK14FLR1:050055	01/28/2012 16:38	1	E7369.D	624/8260 0.2 (mm)
510-74911-6	SB0058: TK14FLR2:050055	01/28/2012 17:13	1	E7370.D	624/8260 0.2 (mm)
510-74911-7	SB0058: TK14:Field Duplicate	01/28/2012 17:47	1	E7371.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 18:21	1		624/8260 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSA Start Date: 01/29/2012 08:31

Analysis Batch Number: 93034 End Date: 01/29/2012 21:32

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-93034/1		01/29/2012 08:31	1	E7375.D	624/8260 0.2 (mm)
CCVIS 510-93034/2		01/29/2012 09:05	1	E7376.D	624/8260 0.2 (mm)
ZZZZZ		01/29/2012 09:50	1		624/8260 0.2 (mm)
LCS 510-93034/4		01/29/2012 10:34	1	E7378.D	624/8260 0.2 (mm)
ZZZZZ		01/29/2012 11:15	1		624/8260 0.2 (mm)
MB 510-93034/6		01/29/2012 11:49	1	E7380.D	624/8260 0.2 (mm)
510-74911-8 RA	SB0058: TK14:Stockpile RA	01/29/2012 12:24	1	E7381.D	624/8260 0.2 (mm)
ZZZZZ		01/29/2012 12:58	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 13:33	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 14:07	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 14:41	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 15:16	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 15:50	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 16:24	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 16:59	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 17:33	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 18:07	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 18:41	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 19:15	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 19:50	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 20:24	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 20:58	1		624/8260 0.2 (mm)
ZZZZZ		01/29/2012 21:32	1		624/8260 0.2 (mm)

## GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ValparaisoJob No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSBStart Date: 01/21/2012 08:18Analysis Batch Number: 92688End Date: 01/21/2012 19:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-92688/1		01/21/2012 08:18	1	A7080.D	624/8260 0.2 (mm)
STD001 510-92688/2 IC		01/21/2012 08:45	1	A7081.D	624/8260 0.2 (mm)
STD002 510-92688/3 IC		01/21/2012 09:16	1	A7082.D	624/8260 0.2 (mm)
STD005 510-92688/4 IC		01/21/2012 09:47	1	A7083.D	624/8260 0.2 (mm)
STD010 510-92688/5 IC		01/21/2012 10:18	1	A7084.D	624/8260 0.2 (mm)
STD020 510-92688/6 IC		01/21/2012 10:49	1	A7085.D	624/8260 0.2 (mm)
STD050 510-92688/7 ICIS		01/21/2012 11:20	1	A7086.D	624/8260 0.2 (mm)
STD100 510-92688/8 IC		01/21/2012 11:51	1	A7087.D	624/8260 0.2 (mm)
STD150 510-92688/9 IC		01/21/2012 12:22	1	A7088.D	624/8260 0.2 (mm)
STD200 510-92688/10 IC		01/21/2012 12:53	1	A7089.D	624/8260 0.2 (mm)
ZZZZZ		01/21/2012 13:24	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 13:55	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 14:26	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 14:58	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 15:29	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 16:00	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 16:31	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 17:01	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 17:32	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 18:03	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 18:34	10		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 19:05	1		624/8260 0.2 (mm)
ZZZZZ		01/21/2012 19:36	1		624/8260 0.2 (mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: VMSB Start Date: 01/28/2012 06:43

Analysis Batch Number: 93022 End Date: 01/28/2012 19:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-93022/1		01/28/2012 06:43	1	A7240.D	624/8260 0.2 (mm)
CCVIS 510-93022/2		01/28/2012 07:10	1		624/8260 0.2 (mm)
CCVIS 510-93022/3		01/28/2012 07:51	1	A7242.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 08:28	1		624/8260 0.2 (mm)
LCS 510-93022/5		01/28/2012 09:07	1	A7244.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 09:41	1		624/8260 0.2 (mm)
MB 510-93022/7		01/28/2012 10:12	1	A7246.D	624/8260 0.2 (mm)
510-74911-9	Trip Blank	01/28/2012 10:43	1	A7247.D	624/8260 0.2 (mm)
ZZZZZ		01/28/2012 11:14	1		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 11:46	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 12:17	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 12:48	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 13:19	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 13:50	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 14:21	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 14:52	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 15:23	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 15:54	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 16:25	100		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 16:56	1		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 17:27	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 17:58	10		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 18:29	1		624/8260 0.2 (mm)
ZZZZZ		01/28/2012 19:00	1		624/8260 0.2 (mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 93027 Batch Start Date: 01/26/12 17:00 Batch Analyst: Hall, Jennifer L

Batch Method: 5035 Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
510-74911-A-1	SB0058: TK14SW1:030040	5035, 8260B	T	25.931 g	30.7541 g				
510-74911-A-2	SB0058: TK14SW2:030040	5035, 8260B	T	25.974 g	30.9282 g				
510-74911-A-3	SB0058: TK14SW3:030040	5035, 8260B	T	25.909 g	30.8887 g				
510-74911-A-4	SB0058: TK14SW4:030040	5035, 8260B	T	26.023 g	31.0994 g				
510-74911-A-5	SB0058: TK14FLR1:050055	5035, 8260B	T	25.926 g	30.9157 g				
510-74911-A-6	SB0058: TK14FLR2:050055	5035, 8260B	T	26.020 g	31.4891 g				
510-74911-A-7	SB0058: TK14:Field Duplicate	5035, 8260B	T	26.054 g	30.6214 g				

Batch Notes	

Basis	Basis Description
T	Total/NA



GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 93037 Batch Start Date: 01/26/12 17:00 Batch Analyst: Hall, Jennifer L

Batch Method: 5035 Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
510-74911-B-8	SB0058: TK14:Stockpile	5035, 8260B	T	25.927 g	30.6551 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

# Method 8270C SIM

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Semivolatile Organic Compounds  
(GC/MS SIM) by Method 8270C (SIM)

FORM II  
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Matrix: Solid Level: Low  
 GC Column (1): 8270/625 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
SB0058: TK14SW1:030040	510-74911-1	70	56	80
SB0058: TK14SW2:030040	510-74911-2	68	56	78
SB0058: TK14SW3:030040	510-74911-3	71	61	80
SB0058: TK14SW4:030040	510-74911-4	73	61	85
SB0058: TK14FLR1:050055	510-74911-5	78	64	91
SB0058: TK14FLR2:050055	510-74911-6	79	66	92
SB0058: TK14:Field Duplicate	510-74911-7	68	56	84
SB0058: TK14:Stockpile	510-74911-8	74	66	82
	MB 510-92897/1-A	62	58	85
	LCS 510-92897/2-A	73	63	89
SB0058: TK14SW1:030040 MS	510-74911-1 MS	71	60	96
SB0058: TK14SW1:030040 MSD	510-74911-1 MSD	64	60	77

NBZ = Nitrobenzene-d5  
 FBP = 2-Fluorobiphenyl  
 TPH = Terphenyl-d14

QC LIMITS  
 10-117  
 16-110  
 10-194

# Column to be used to flag recovery values

FORM II 8270C SIM

FORM III  
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D3679.D

Lab ID: LCS 510-92897/2-A Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.67	1.24	74	10-118	
Acenaphthylene	1.67	1.05	63	10-151	
Anthracene	1.67	1.33	80	16-148	
Benzo[a]anthracene	1.67	1.35	81	15-154	
Benzo[a]pyrene	1.67	1.40	84	19-168	
Benzo[b]fluoranthene	1.67	1.66	100	14-152	
Benzo[g,h,i]perylene	1.67	1.50	90	21-112	
Benzo[k]fluoranthene	1.67	1.23	74	24-116	
Chrysene	1.67	1.41	85	29-107	
Dibenz(a,h)anthracene	1.67	1.41	84	34-107	
Fluoranthene	1.67	1.21	72	29-120	
Fluorene	1.67	1.21	73	28-110	
Indeno[1,2,3-cd]pyrene	1.67	1.43	86	27-110	
Naphthalene	1.67	1.13	68	10-106	
Phenanthrene	1.67	1.35	81	22-115	
Pyrene	1.67	1.36	82	26-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: D3681.D

Lab ID: 510-74911-1 MS Client ID: SB0058: TK14SW1:030040 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	1.72	<0.021	1.23	71	10-118	
Acenaphthylene	1.72	<0.021	1.04	61	10-151	
Anthracene	1.72	<0.021	1.35	78	16-148	
Benzo[a]anthracene	1.72	<0.021	1.39	81	15-154	
Benzo[a]pyrene	1.72	<0.021	1.40	81	19-168	
Benzo[b]fluoranthene	1.72	<0.021	2.08	121	14-152	
Benzo[g,h,i]perylene	1.72	<0.021	1.41	82	21-112	
Benzo[k]fluoranthene	1.72	<0.021	1.11	64	24-116	
Chrysene	1.72	<0.021	1.48	86	29-107	
Dibenz(a,h)anthracene	1.72	<0.021	1.28	75	34-107	
Fluoranthene	1.72	<0.021	1.14	66	29-120	
Fluorene	1.72	<0.021	1.21	70	28-110	
Indeno[1,2,3-cd]pyrene	1.72	<0.021	1.39	81	27-110	
Naphthalene	1.72	<0.021	1.13	66	10-106	
Phenanthrene	1.72	<0.021	1.29	75	22-115	
Pyrene	1.72	<0.021	1.62	94	26-120	

# Column to be used to flag recovery and RPD values

FORM III  
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso

Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

Lab File ID: D3682.D

Lab ID: 510-74911-1 MSD

Client ID: SB0058: TK14SW1:030040 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
Acenaphthene	1.72	1.14	66	8	25	10-118	
Acenaphthylene	1.72	0.982	57	6	25	10-151	
Anthracene	1.72	1.23	71	9	25	16-148	
Benzo[a]anthracene	1.72	1.24	72	11	25	15-154	
Benzo[a]pyrene	1.72	1.34	78	4	25	19-168	
Benzo[b]fluoranthene	1.72	1.58	92	28	25	14-152	F
Benzo[g,h,i]perylene	1.72	1.35	79	4	25	21-112	
Benzo[k]fluoranthene	1.72	1.15	67	4	25	24-116	
Chrysene	1.72	1.36	79	9	25	29-107	
Dibenz(a,h)anthracene	1.72	1.27	74	1	25	34-107	
Fluoranthene	1.72	1.20	69	5	25	29-120	
Fluorene	1.72	1.10	64	9	25	28-110	
Indeno[1,2,3-cd]pyrene	1.72	1.35	78	3	25	27-110	
Naphthalene	1.72	1.07	62	6	25	10-106	
Phenanthrene	1.72	1.22	71	5	25	22-115	
Pyrene	1.72	1.30	75	22	25	26-120	

# Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM IV  
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D3678.D Lab Sample ID: MB 510-92897/1-A  
 Matrix: Solid Date Extracted: 01/26/2012 08:11  
 Instrument ID: SMSA Date Analyzed: 01/29/2012 14:52  
 Level: (Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-92897/2-A	D3679.D	01/29/2012 15:10
SB0058: TK14SW1:030040	510-74911-1	D3680.D	01/29/2012 15:29
SB0058: TK14SW1:030040 MS	510-74911-1 MS	D3681.D	01/29/2012 15:47
SB0058: TK14SW1:030040 MSD	510-74911-1 MSD	D3682.D	01/29/2012 16:06
SB0058: TK14SW2:030040	510-74911-2	D3683.D	01/29/2012 16:24
SB0058: TK14SW3:030040	510-74911-3	D3684.D	01/29/2012 16:42
SB0058: TK14SW4:030040	510-74911-4	D3685.D	01/29/2012 17:01
SB0058: TK14FLR1:050055	510-74911-5	D3686.D	01/29/2012 17:19
SB0058: TK14FLR2:050055	510-74911-6	D3687.D	01/29/2012 17:38
SB0058: TK14:Field Duplicate	510-74911-7	D3688.D	01/29/2012 17:56
SB0058: TK14:Stockpile	510-74911-8	D3689.D	01/29/2012 18:14

FORM V  
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab File ID: D3665.D DFTPP Injection Date: 01/29/2012  
 Instrument ID: SMSA DFTPP Injection Time: 10:57  
 Analysis Batch No.: 93035

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0 % of mass 198	31.8
68	Less than 2.0 % of mass 69	0.2 (0.6)1
69	Mass 69 relative abundance	38.1
70	Less than 2.0 % of mass 69	0.0 (0.0)1
127	40.0 - 60.0 % of mass 198	48.7
197	Less than 1.0 % of mass 198	0.3
198	Base Peak, 100 % relative abundance	100.0
199	5.0- 9.0 % of mass 198	6.5
275	10.0 - 30.0 % of mass 198	23.2
365	Greater than 1.0 % of mass 198	3.4
441	Present but less than mass 443	10.5
442	Greater than 40.0 % of mass 198	74.6
443	17.0 - 23.0 % of mass 442	13.7 (18.4)2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	SSTD 510-93035/2	D3666.D	01/29/2012	11:11
	SSTD001 510-93035/3	D3667.D	01/29/2012	11:29
	SSTD002 510-93035/4	D3668.D	01/29/2012	11:47
	SSTD005 510-93035/5	D3669.D	01/29/2012	12:06
	SSTD010 510-93035/6	D3670.D	01/29/2012	12:24
	SSTD020 510-93035/7	D3671.D	01/29/2012	12:43
	SSTD040 510-93035/8	D3672.D	01/29/2012	13:01
	SSTD080 510-93035/9	D3673.D	01/29/2012	13:20
	MB 510-92897/1-A	D3678.D	01/29/2012	14:52
	LCS 510-92897/2-A	D3679.D	01/29/2012	15:10
SB0058: TK14SW1:030040	510-74911-1	D3680.D	01/29/2012	15:29
SB0058: TK14SW1:030040 MS	510-74911-1 MS	D3681.D	01/29/2012	15:47
SB0058: TK14SW1:030040 MSD	510-74911-1 MSD	D3682.D	01/29/2012	16:06
SB0058: TK14SW2:030040	510-74911-2	D3683.D	01/29/2012	16:24
SB0058: TK14SW3:030040	510-74911-3	D3684.D	01/29/2012	16:42
SB0058: TK14SW4:030040	510-74911-4	D3685.D	01/29/2012	17:01
SB0058: TK14FLR1:050055	510-74911-5	D3686.D	01/29/2012	17:19
SB0058: TK14FLR2:050055	510-74911-6	D3687.D	01/29/2012	17:38
SB0058: TK14:Field Duplicate	510-74911-7	D3688.D	01/29/2012	17:56
SB0058: TK14:Stockpile	510-74911-8	D3689.D	01/29/2012	18:14



FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: SSTD020 510-93035/7 Date Analyzed: 01/29/2012 12:43  
 Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm)  
 Lab File ID (Standard): D3671.D Heated Purge: (Y/N) N  
 Calibration ID: 4564

	DCB		NPT		ANT		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	127658	3.74	321187	4.97	175682	6.75	
UPPER LIMIT	255316	4.24	642374	5.47	351364	7.25	
LOWER LIMIT	63829	3.24	160594	4.47	87841	6.25	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-92897/1-A	113556	3.74	276526	4.97	154357	6.75	
LCS 510-92897/2-A	138495	3.74	372972	4.97	212422	6.75	
510-74911-1	SB0058: TK14SW1:030040	171840	3.74	452185	4.97	276655	6.75
510-74911-1 MS	SB0058: TK14SW1:030040 MS	143485	3.74	384549	4.97	220045	6.75
510-74911-1 MSD	SB0058: TK14SW1:030040 MSD	123092	3.74	296910	4.97	140683	6.75
510-74911-2	SB0058: TK14SW2:030040	167791	3.74	429441	4.97	247575	6.75
510-74911-3	SB0058: TK14SW3:030040	161848	3.74	397466	4.97	208429	6.75
510-74911-4	SB0058: TK14SW4:030040	164645	3.74	416133	4.97	244359	6.75
510-74911-5	SB0058: TK14FLR1:050055	192289	3.74	489534	4.97	293396	6.75
510-74911-6	SB0058: TK14FLR2:050055	182588	3.74	454905	4.97	264497	6.75
510-74911-7	SB0058: TK14:Field Duplicate	161132	3.74	396603	4.97	228004	6.75
510-74911-8	SB0058: TK14:Stockpile	124458	3.74	328125	4.97	181706	6.75

DCB = 1,4-Dichlorobenzene-d4

NPT = Naphthalene-d8

ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area

RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM VIII  
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Sample No.: SSTD020 510-93035/7 Date Analyzed: 01/29/2012 12:43  
 Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm)  
 Lab File ID (Standard): D3671.D Heated Purge: (Y/N) N  
 Calibration ID: 4564

	PHN		CRY		PRY		
	AREA #	RT #	AREA #	RT #	AREA #	RT #	
INITIAL CALIBRATION MID-POINT	264189	8.26	160164	10.37	125860	11.41	
UPPER LIMIT	528378	8.76	320328	10.87	251720	11.91	
LOWER LIMIT	132095	7.76	80082	9.87	62930	10.91	
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-92897/1-A	228970	8.26	133388	10.37	101108	11.40	
LCS 510-92897/2-A	279823	8.26	149811	10.37	122163	11.40	
510-74911-1	SB0058: TK14SW1:030040	382344	8.26	243562	10.38	177299	11.41
510-74911-1 MS	SB0058: TK14SW1:030040 MS	286747	8.26	122394	10.37	96431	11.40
510-74911-1 MSD	SB0058: TK14SW1:030040 MSD	194727	8.26	111843	10.37	87135	11.40
510-74911-2	SB0058: TK14SW2:030040	340143	8.26	230280	10.38	176054	11.41
510-74911-3	SB0058: TK14SW3:030040	260662	8.26	143084	10.38	108253	11.41
510-74911-4	SB0058: TK14SW4:030040	340061	8.26	217516	10.38	147435	11.42
510-74911-5	SB0058: TK14FLR1:050055	404475	8.26	237408	10.38	152668	11.41
510-74911-6	SB0058: TK14FLR2:050055	359402	8.26	188038	10.38	133004	11.42
510-74911-7	SB0058: TK14:Field Duplicate	338612	8.26	224648	10.38	150343	11.42
510-74911-8	SB0058: TK14:Stockpile	254404	8.26	156862	10.38	120342	11.42

PHN = Phenanthrene-d10  
 CRY = Chrysene-d12  
 PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area  
 RT Limit = ± 0.5 minutes of internal standard RT

# Column used to flag values outside QC limits

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW1:030040 Lab Sample ID: 510-74911-1  
 Matrix: Solid Lab File ID: D3680.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:00  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.02(g) Date Analyzed: 01/29/2012 15:29  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 3.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0026
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	<0.021		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	<0.021		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0032
129-00-0	Pyrene	<0.021		0.021	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	70		10-117
321-60-8	2-Fluorobiphenyl	56		16-110
1718-51-0	Terphenyl-d14	80		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3680.D  
 Lims ID: 510-74911-H-1-A Client ID: SB0058: TK14SW1:030040  
 Inject. Date: 29-Jan-2012 15:29:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-1  
 Misc. Info.: 510-0006247-016 =510-0006247-016  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 16  
 Lims Batch ID: 93035 Lims Sample ID: 16  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:18:57

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	171840	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		86717		20.2- 80.2	50.5
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	145027	35.0	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		580		239.5- 299.5	0.4 M
	54	4.968	4.303	0.665		45305		17.0- 77.0	31.2
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	452185	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	292907	28.2		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	276655	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		241380		59.3- 119.3	87.2
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	382344	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.599	9.587	0.012	1	220703	40.0	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.381	10.369	0.011	1	243562	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.407	11.395	0.012	1	177299	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:18:57

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3680.D

Injection Date: 29-Jan-2012 15:29:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14SW1:030040

Instrument ID: SMSA

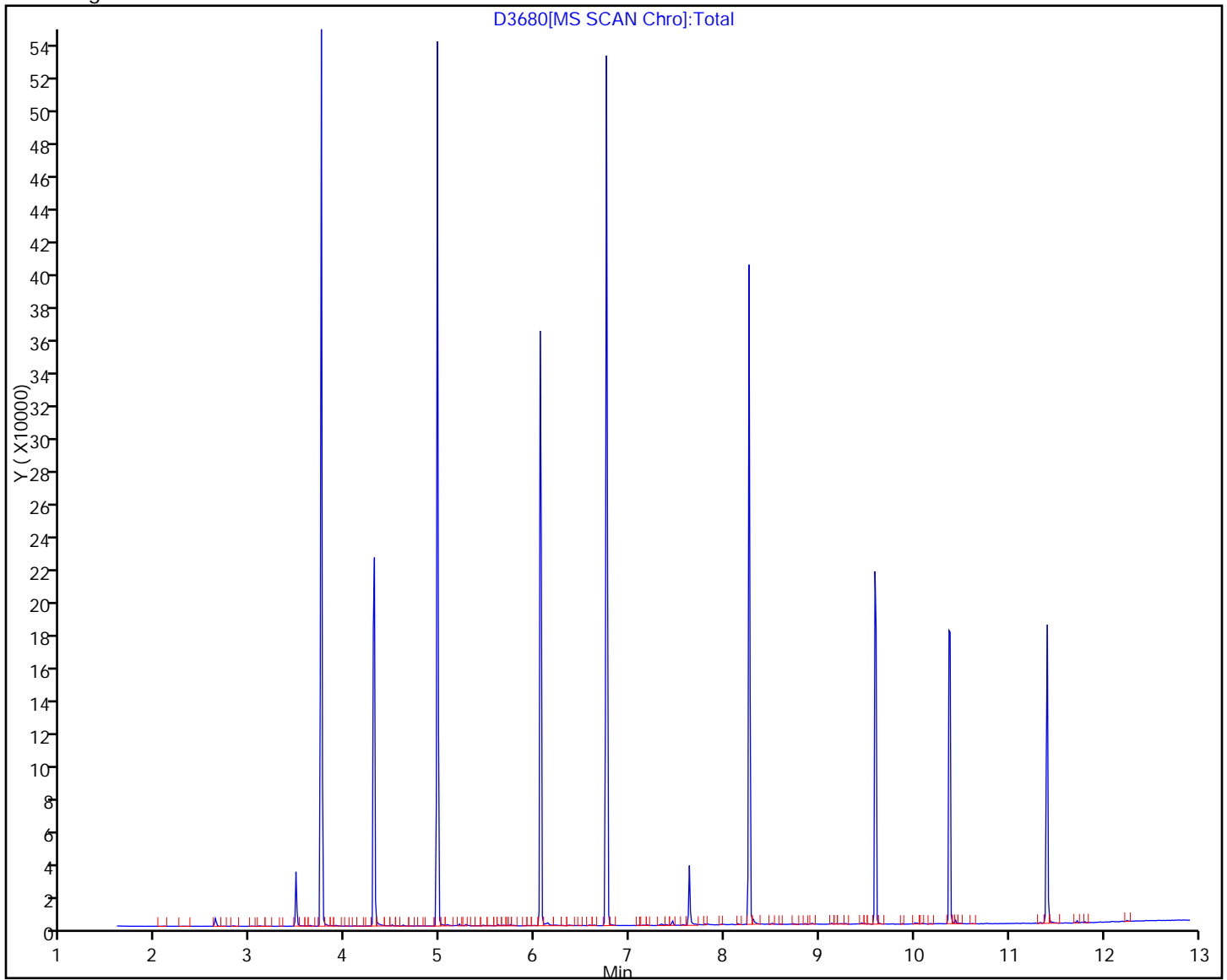
Lims Batch ID: 93035

Lims Sample ID: 16

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

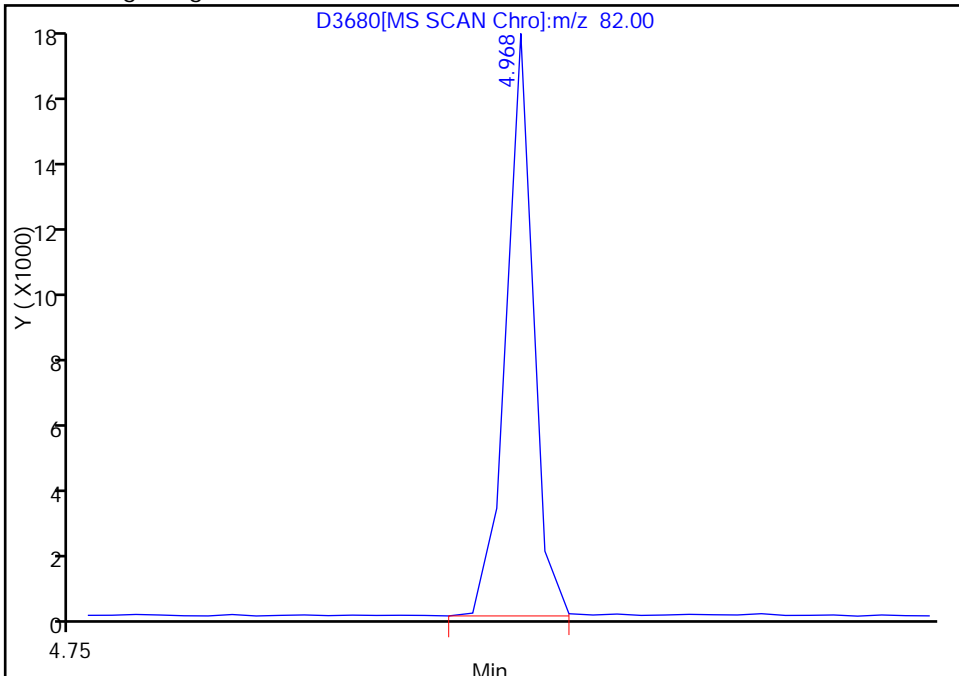


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3680.D  
Injection Date: 29-Jan-2012 15:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14SW1:030040 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 16  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

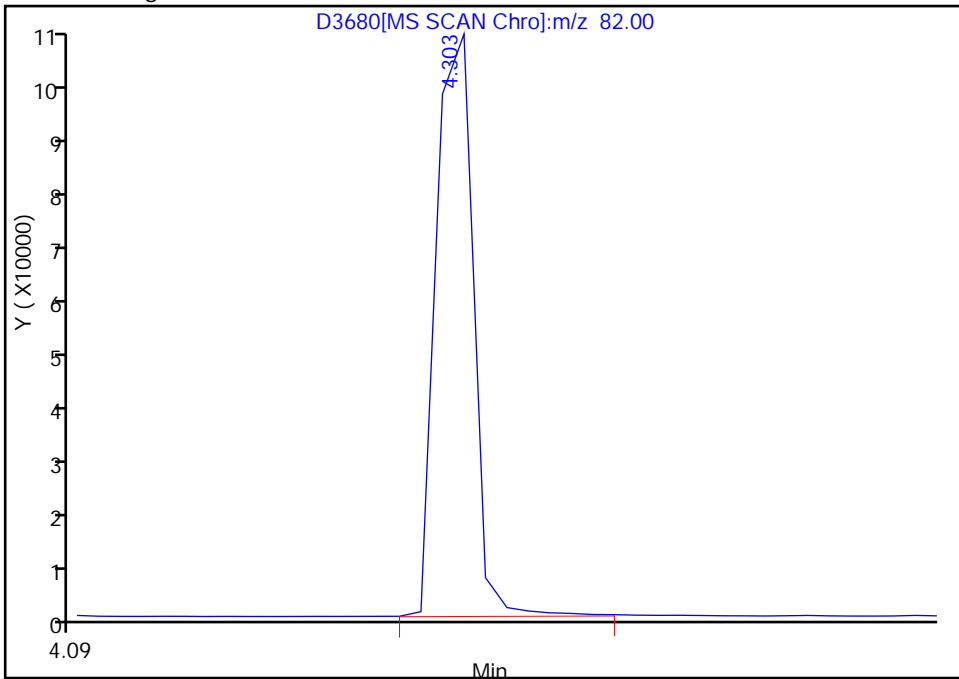
RT: 4.97  
Response: 16146  
Amount: 3.893757

Processing Integration Results



RT: 4.30  
Response: 145027  
Amount: 34.974600

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:18:57  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW2:030040 Lab Sample ID: 510-74911-2  
 Matrix: Solid Lab File ID: D3683.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:10  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.41(g) Date Analyzed: 01/29/2012 16:24  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 5.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0026
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	<0.021		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	<0.021		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0032
129-00-0	Pyrene	<0.021		0.021	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	68		10-117
321-60-8	2-Fluorobiphenyl	56		16-110
1718-51-0	Terphenyl-d14	78		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3683.D  
 Lims ID: 510-74911-H-2-A Client ID: SB0058: TK14SW2:030040  
 Inject. Date: 29-Jan-2012 16:24:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-2  
 Misc. Info.: 510-0006247-019 =510-0006247-019  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 19  
 Lims Batch ID: 93035 Lims Sample ID: 19  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:25:49

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	167791	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		83372		20.2- 80.2	49.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	134665	34.2	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		772		239.5- 299.5	0.6 M
	54	4.968	4.303	0.665		41363		17.0- 77.0	30.7
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	429441	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	263482	28.3		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	247575	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		218129		59.3- 119.3	88.1
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	340143	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.587	9.587	0.000	1	203700	39.0	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.381	10.369	0.012	1	230280	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.407	11.395	0.012	1	176054	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated



Report Date: 29-Jan-2012 20:25:50

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\MSA\20120129-6247.b\D3683.D

Injection Date: 29-Jan-2012 16:24:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14SW2:030040

Instrument ID: SMSA

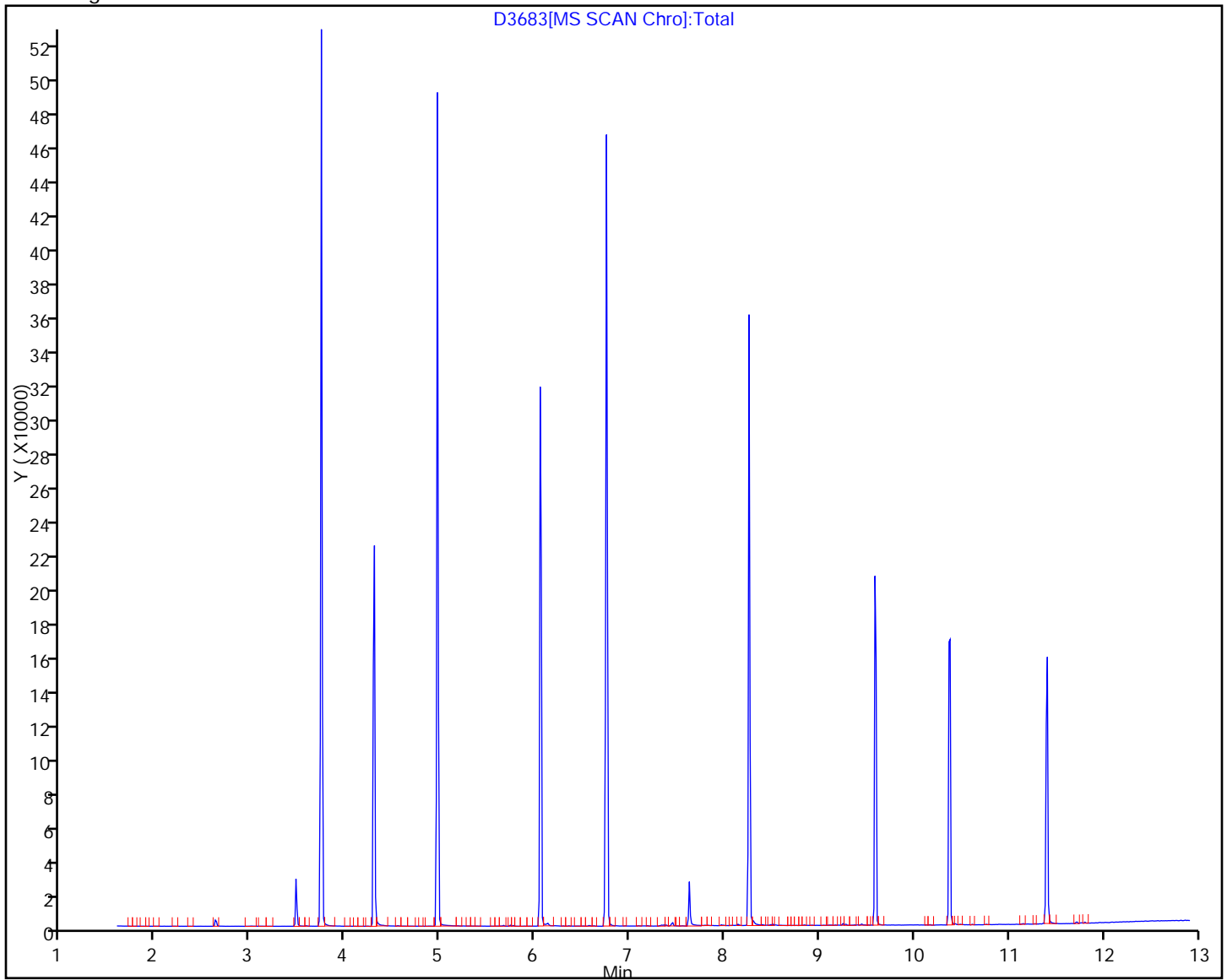
Lims Batch ID: 93035

Lims Sample ID: 19

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

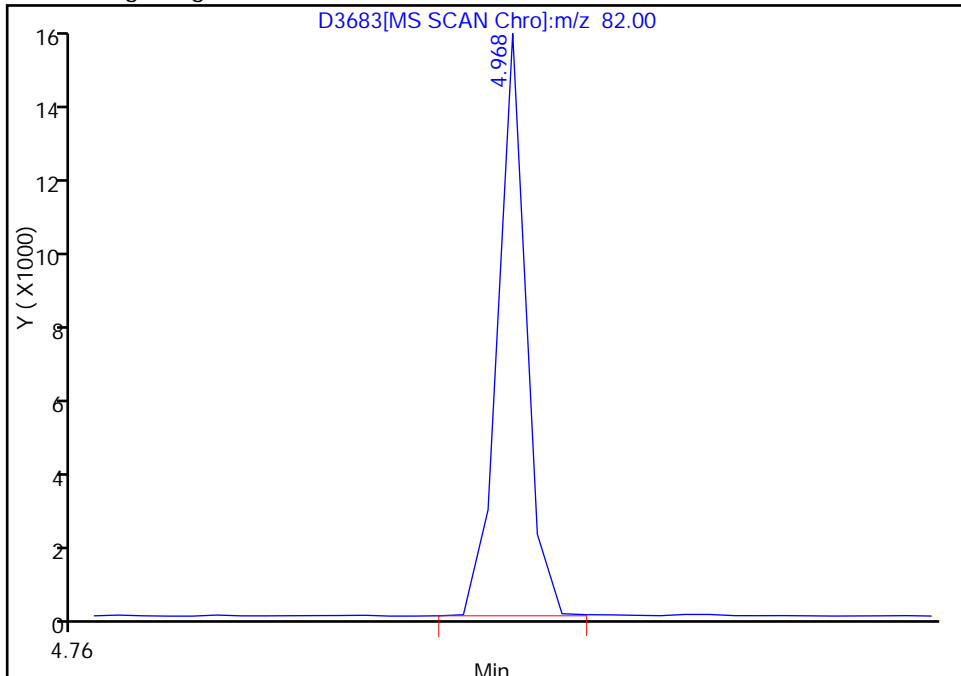


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3683.D  
Injection Date: 29-Jan-2012 16:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14SW2:030040 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 19  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

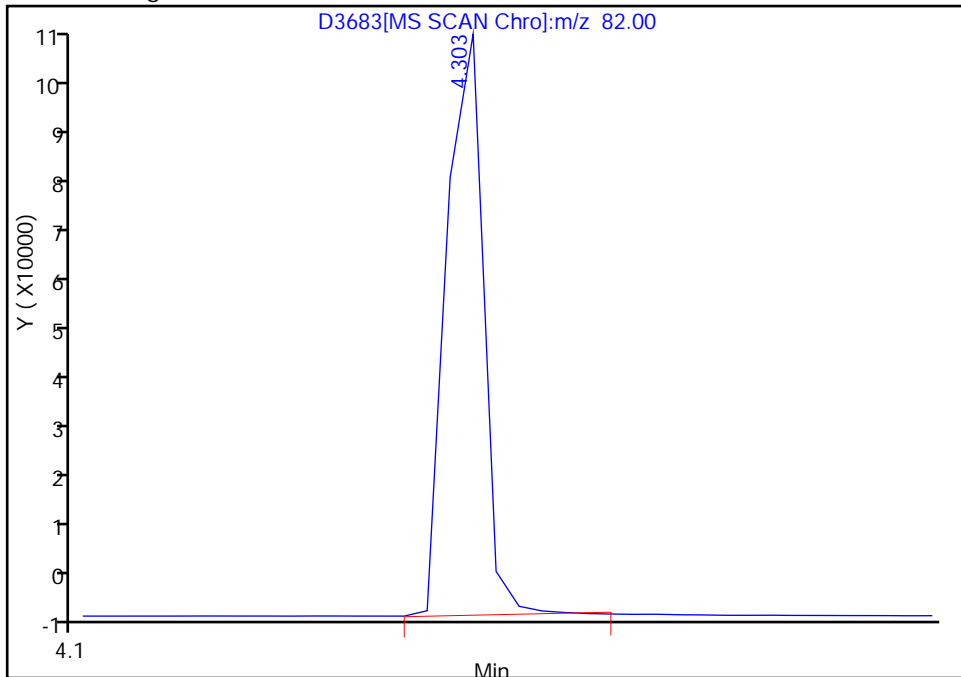
RT: 4.97  
Response: 14740  
Amount: 3.742950

Processing Integration Results



RT: 4.30  
Response: 134665  
Amount: 34.195682

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:25:49  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW3:030040 Lab Sample ID: 510-74911-3  
 Matrix: Solid Lab File ID: D3684.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:25  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.02(g) Date Analyzed: 01/29/2012 16:42  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 8.4 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.022		0.022	0.0028
208-96-8	Acenaphthylene	<0.022		0.022	0.0034
120-12-7	Anthracene	<0.022		0.022	0.0035
56-55-3	Benzo[a]anthracene	<0.022		0.022	0.0023
50-32-8	Benzo[a]pyrene	<0.022		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	<0.022		0.022	0.0032
191-24-2	Benzo[g,h,i]perylene	<0.022		0.022	0.0024
207-08-9	Benzo[k]fluoranthene	<0.022		0.022	0.0023
218-01-9	Chrysene	<0.022		0.022	0.0022
53-70-3	Dibenz(a,h)anthracene	<0.022		0.022	0.0030
206-44-0	Fluoranthene	<0.022		0.022	0.0044
86-73-7	Fluorene	<0.022		0.022	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	<0.022		0.022	0.0024
91-20-3	Naphthalene	<0.022		0.022	0.0035
85-01-8	Phenanthrene	<0.022		0.022	0.0034
129-00-0	Pyrene	<0.022		0.022	0.0040

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	71		10-117
321-60-8	2-Fluorobiphenyl	61		16-110
1718-51-0	Terphenyl-d14	80		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3684.D  
 Lims ID: 510-74911-H-3-A Client ID: SB0058: TK14SW3:030040  
 Inject. Date: 29-Jan-2012 16:42:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-3  
 Misc. Info.: 510-0006247-020 =510-0006247-020  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 20  
 Lims Batch ID: 93035 Lims Sample ID: 20  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:28:06

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	161848	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		80151		20.2- 80.2	49.5
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	0	128949	35.4	70.0- 130.0	100.0 M
	128	0.0	4.303	-4.303		0		239.5- 299.5	M
	54	0.0	4.303	-4.303		0		17.0- 77.0	
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	397466	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	239134	30.5		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	208429	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		183699		59.3- 119.3	88.1
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	260662	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.599	9.587	0.012	1	129785	40.0	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.380	10.369	0.011	1	143084	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.407	11.395	0.012	1	108253	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:28:06

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3684.D

Injection Date: 29-Jan-2012 16:42:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14SW3:030040

Instrument ID: SMSA

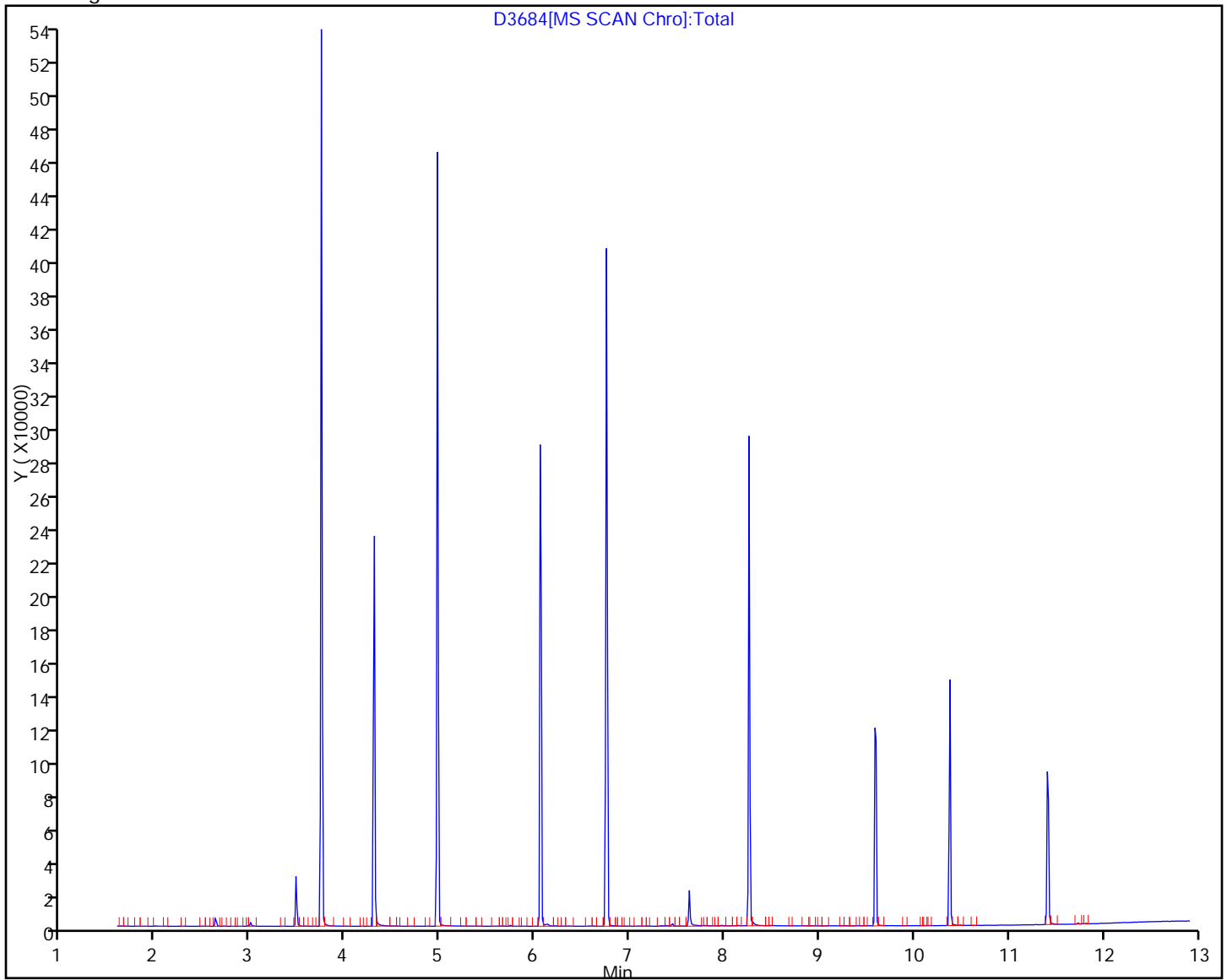
Lims Batch ID: 93035

Lims Sample ID: 20

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

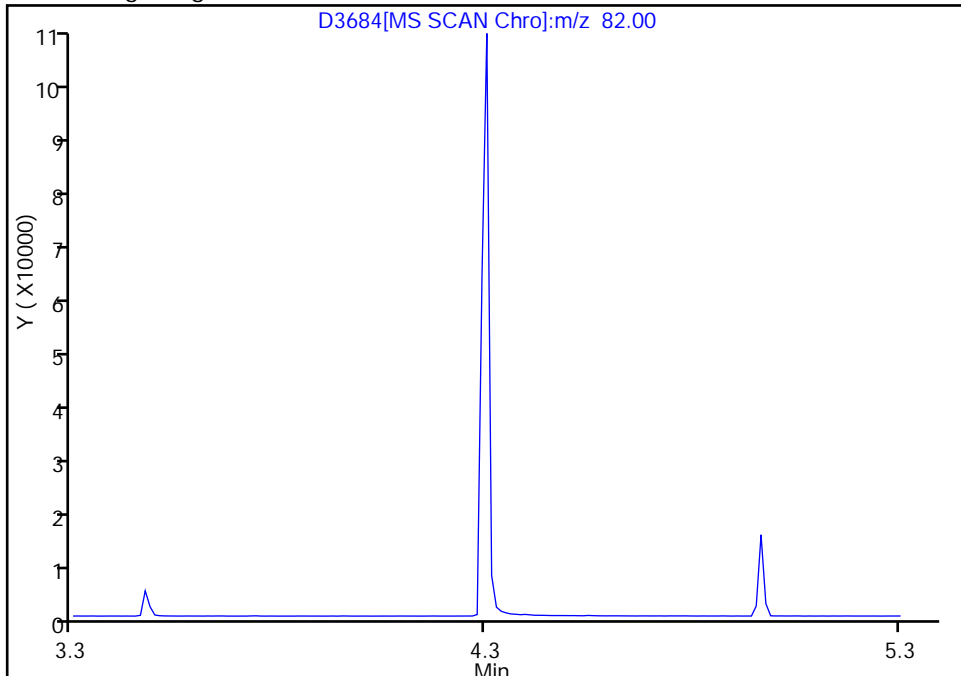


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3684.D  
Injection Date: 29-Jan-2012 16:42:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14SW3:030040 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 20  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

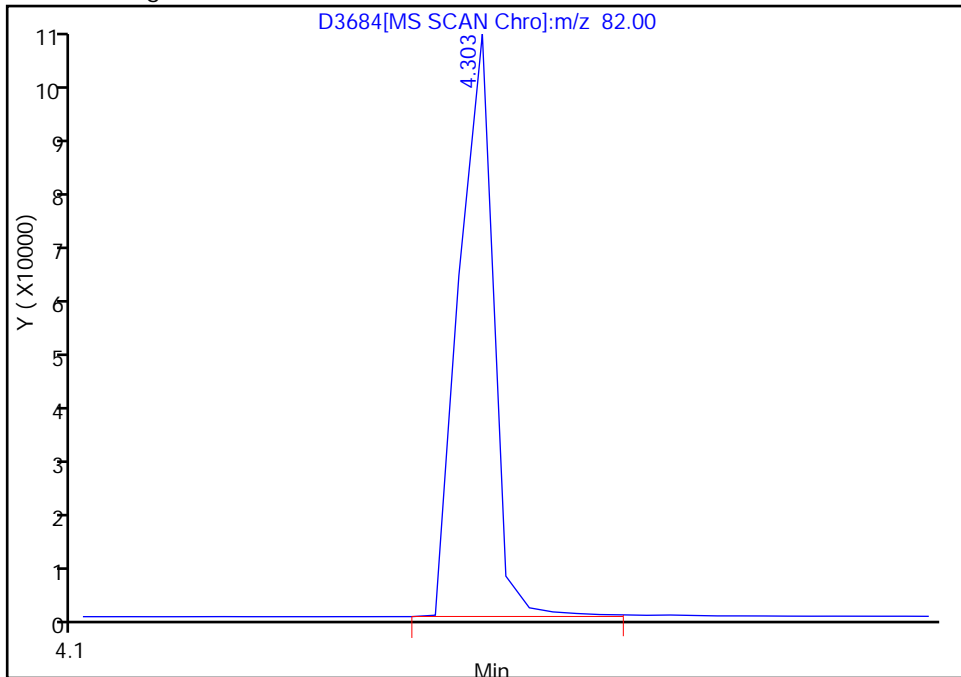
Not Detected  
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.30  
Response: 128949  
Amount: 35.378388



Reviewer: squiresb, 29-Jan-2012 20:28:06  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW4:030040 Lab Sample ID: 510-74911-4  
 Matrix: Solid Lab File ID: D3685.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:40  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.10(g) Date Analyzed: 01/29/2012 17:01  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 5.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0027
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	<0.021		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0031
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	<0.021		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0029
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0032
129-00-0	Pyrene	<0.021		0.021	0.0039

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		10-117
321-60-8	2-Fluorobiphenyl	61		16-110
1718-51-0	Terphenyl-d14	85		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3685.D  
 Lims ID: 510-74911-H-4-A Client ID: SB0058: TK14SW4:030040  
 Inject. Date: 29-Jan-2012 17:01:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-4  
 Misc. Info.: 510-0006247-021 =510-0006247-021  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 21  
 Lims Batch ID: 93035 Lims Sample ID: 21  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb

Date: 29-Jan-2012 20:28:44

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	164645	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		79906		20.2- 80.2	48.5
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	0	140133	36.7	70.0- 130.0	100.0 M
	128	0.0	4.303	-4.303		0		239.5- 299.5	M
	54	0.0	4.303	-4.303		0		17.0- 77.0	
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	416133	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	279598	30.5		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	244359	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		214603		59.3- 119.3	87.8
* 90 Phenanthrene-d10									
	188	8.257	8.258	-0.001	1	340061	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.599	9.587	0.012	1	210075	42.6	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.380	10.369	0.011	1	217516	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.419	11.395	0.024	1	147435	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated



Report Date: 29-Jan-2012 20:28:44

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3685.D

Injection Date: 29-Jan-2012 17:01:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14SW4:030040

Instrument ID: SMSA

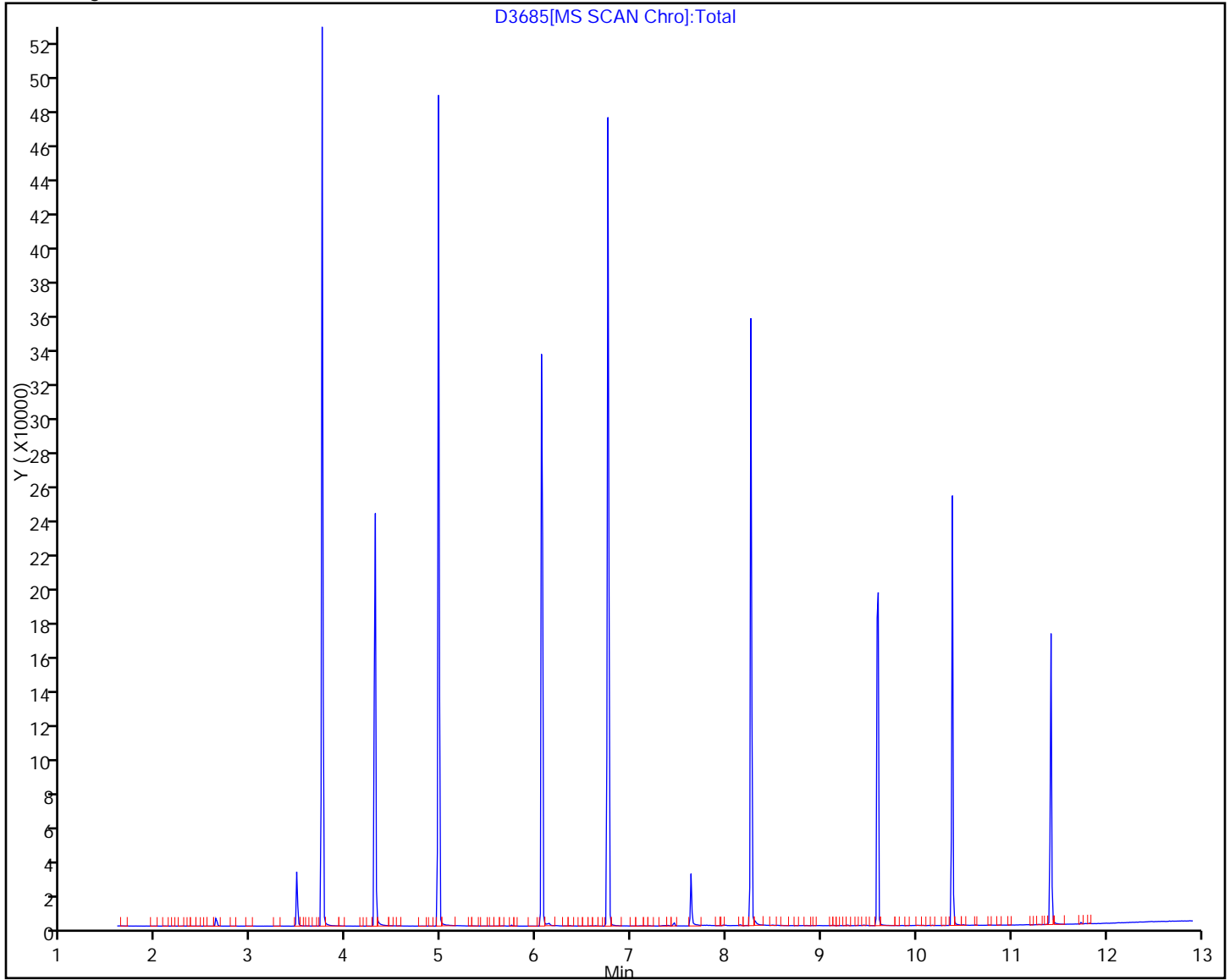
Lims Batch ID: 93035

Lims Sample ID: 21

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

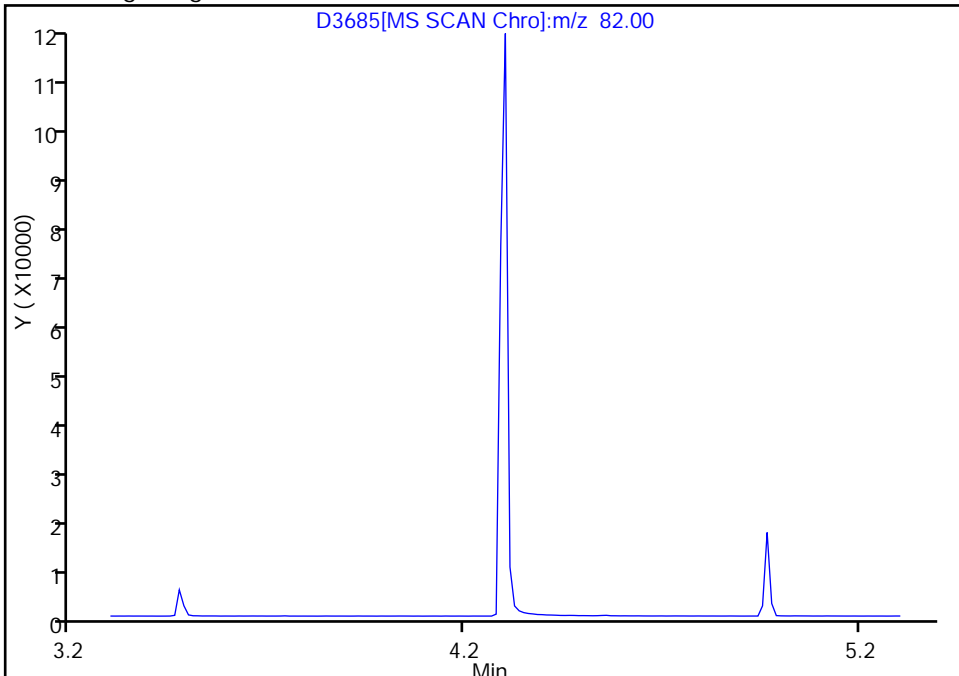


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3685.D  
Injection Date: 29-Jan-2012 17:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14SW4:030040 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 21  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

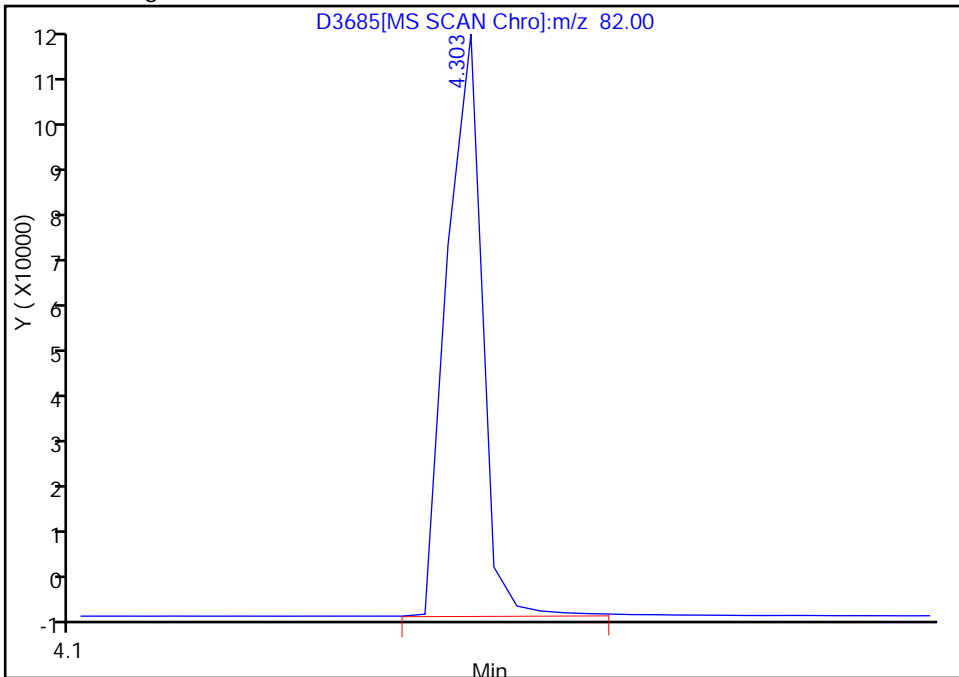
Not Detected  
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.30  
Response: 140133  
Amount: 36.722167



Reviewer: squiresb, 29-Jan-2012 20:28:44  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR1:050055 Lab Sample ID: 510-74911-5  
 Matrix: Solid Lab File ID: D3686.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 10:00  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.57(g) Date Analyzed: 01/29/2012 17:19  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 3.7 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.020		0.020	0.0026
208-96-8	Acenaphthylene	<0.020		0.020	0.0032
120-12-7	Anthracene	<0.020		0.020	0.0032
56-55-3	Benzo[a]anthracene	<0.020		0.020	0.0022
50-32-8	Benzo[a]pyrene	<0.020		0.020	0.0018
205-99-2	Benzo[b]fluoranthene	<0.020		0.020	0.0030
191-24-2	Benzo[g,h,i]perylene	<0.020		0.020	0.0023
207-08-9	Benzo[k]fluoranthene	<0.020		0.020	0.0021
218-01-9	Chrysene	<0.020		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	<0.020		0.020	0.0028
206-44-0	Fluoranthene	<0.020		0.020	0.0041
86-73-7	Fluorene	<0.020		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	<0.020		0.020	0.0023
91-20-3	Naphthalene	<0.020		0.020	0.0033
85-01-8	Phenanthrene	<0.020		0.020	0.0032
129-00-0	Pyrene	<0.020		0.020	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	78		10-117
321-60-8	2-Fluorobiphenyl	64		16-110
1718-51-0	Terphenyl-d14	91		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3686.D  
 Lims ID: 510-74911-H-5-A Client ID: SB0058: TK14FLR1:050055  
 Inject. Date: 29-Jan-2012 17:19:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-5  
 Misc. Info.: 510-0006247-022 =510-0006247-022  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 22  
 Lims Batch ID: 93035 Lims Sample ID: 22  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:29:59

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	192289	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		96980		20.2- 80.2	50.4
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	174537	38.9	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		593		239.5- 299.5	0.3 M
	54	4.968	4.303	0.665		50037		17.0- 77.0	28.7
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	489534	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	353012	32.0		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	293396	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		259926		59.3- 119.3	88.6
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	404475	40.0	70.0- 130.0	100.0
91 Phenanthrene									
	178	8.281	8.281	0.000	1	1557	0.1390	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.599	9.587	0.012	1	246154	45.7	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.381	10.369	0.012	1	237408	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.407	11.395	0.012	1	152668	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:29:59

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3686.D

Injection Date: 29-Jan-2012 17:19:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14FLR1:050055

Instrument ID: SMSA

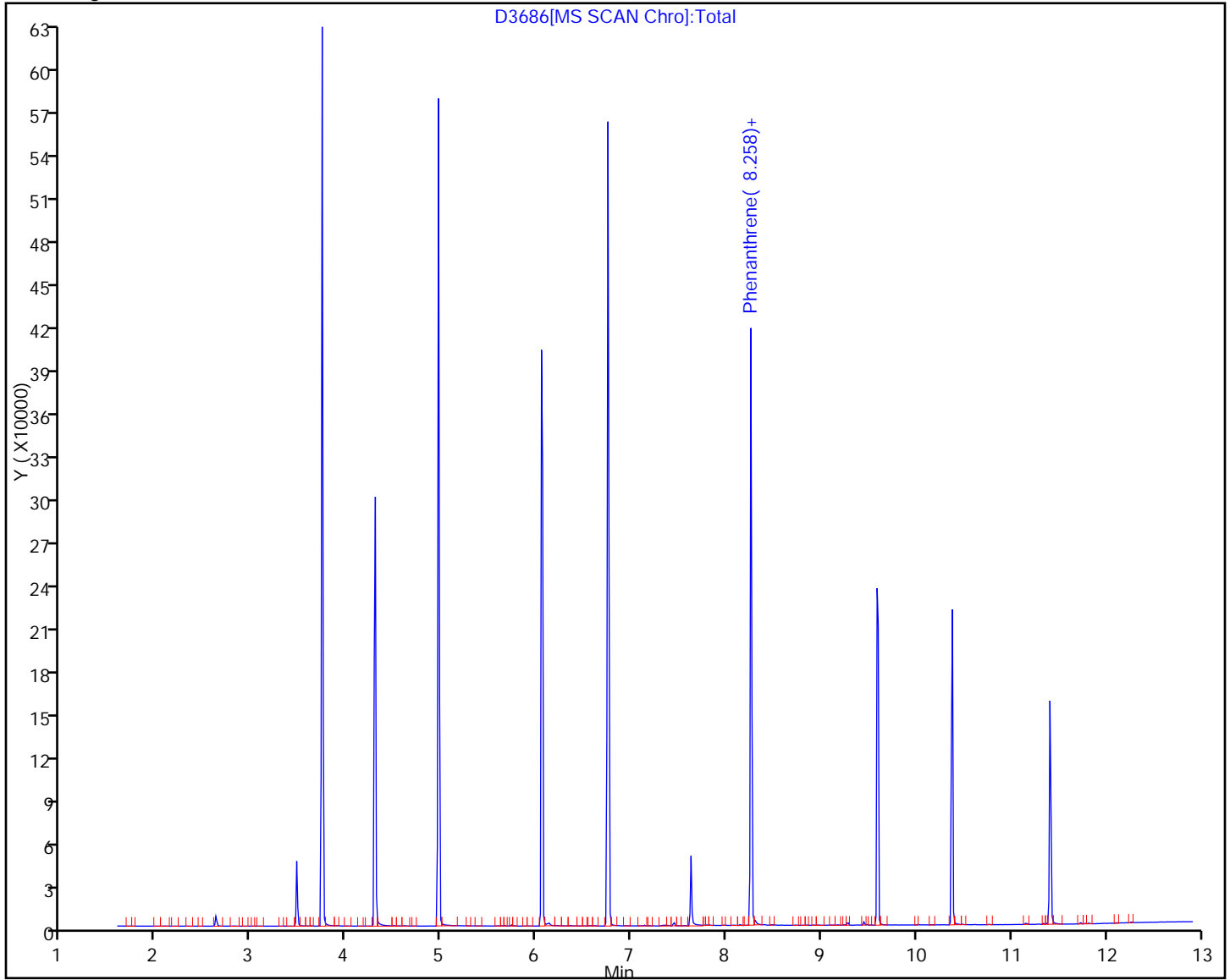
Lims Batch ID: 93035

Lims Sample ID: 22

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

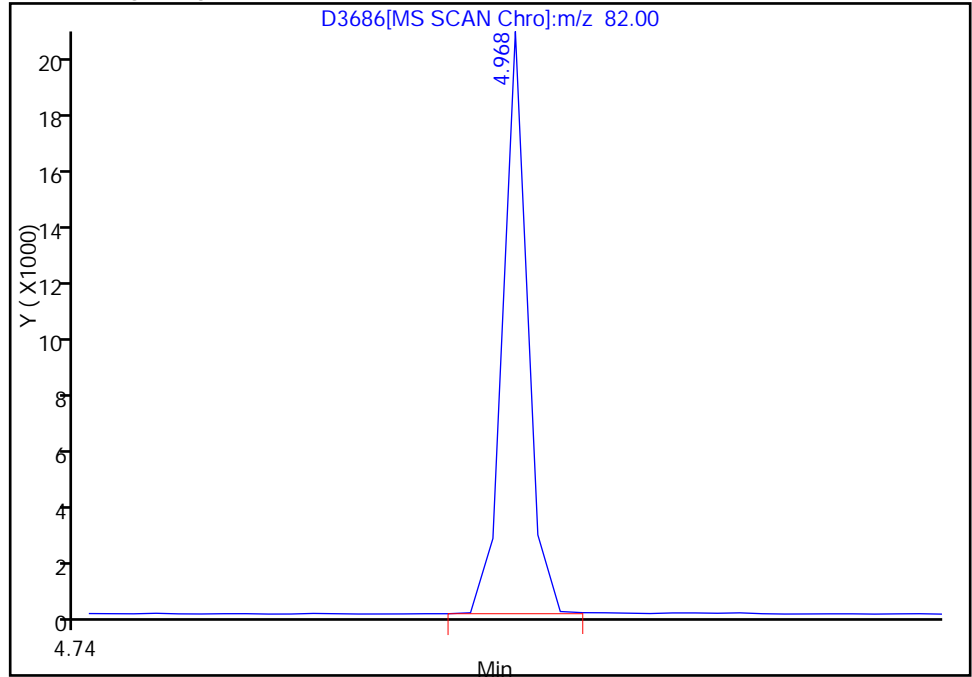


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3686.D  
Injection Date: 29-Jan-2012 17:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14FLR1:050055 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 22  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

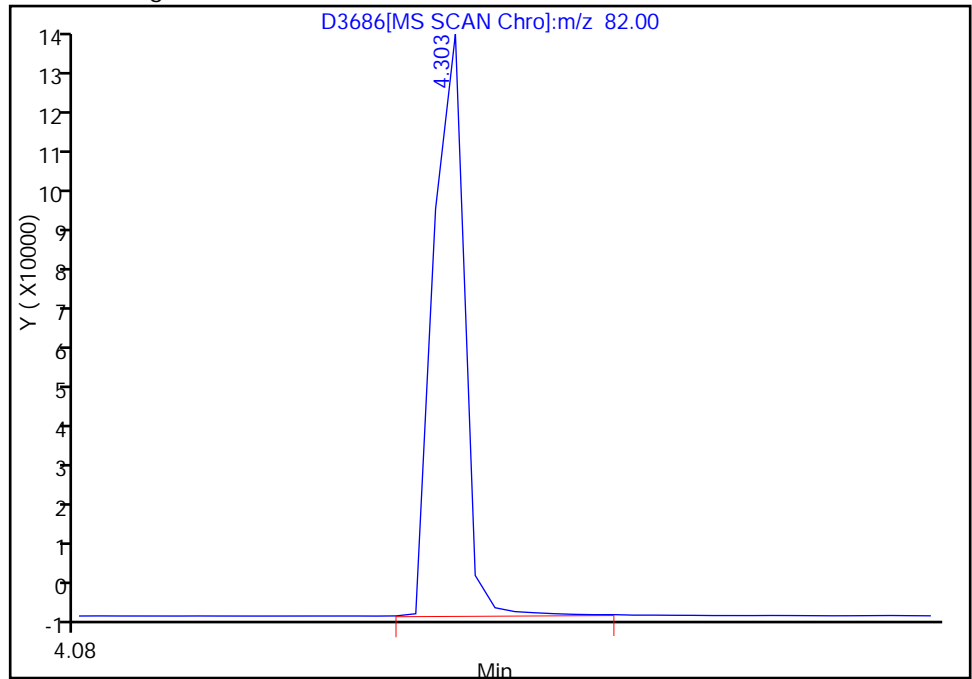
RT: 4.97  
Response: 17727  
Amount: 3.948866

Processing Integration Results



RT: 4.30  
Response: 174537  
Amount: 38.879860

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:29:59  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR2:050055 Lab Sample ID: 510-74911-6  
 Matrix: Solid Lab File ID: D3687.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 10:15  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.32(g) Date Analyzed: 01/29/2012 17:38  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 6.0 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0027
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	0.032		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0031
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	0.083		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0029
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0033
129-00-0	Pyrene	<0.021		0.021	0.0039

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	79		10-117
321-60-8	2-Fluorobiphenyl	66		16-110
1718-51-0	Terphenyl-d14	92		10-194



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3687.D  
 Lims ID: 510-74911-H-6-A Client ID: SB0058: TK14FLR2:050055  
 Inject. Date: 29-Jan-2012 17:38:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-6  
 Misc. Info.: 510-0006247-023 =510-0006247-023  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 23  
 Lims Batch ID: 93035 Lims Sample ID: 23  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:31:33

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags	
* 40 1,4-Dichlorobenzene-d4										
	152	3.743	3.743	0.000	1	182588	40.0	70.0- 130.0	100.0	
	115	3.743	3.743	0.000		91631		20.2- 80.2	50.2	
\$ 49 Nitrobenzene-d5										
	82	4.303	4.303	0.000	1	164962	39.5	70.0- 130.0	100.0	M
	128	4.992	4.303	0.689		1216		239.5- 299.5	0.7	M
	54	4.968	4.303	0.665		45929		17.0- 77.0	27.8	
* 57 Naphthalene-d8										
	136	4.968	4.968	0.000	1	454905	40.0	70.0- 130.0	100.0	
\$ 66 2-Fluorobiphenyl										
	172	6.053	6.053	0.000	1	326668	32.9			
* 73 Acenaphthene-d10										
	164	6.753	6.753	0.000	1	264497	40.0	70.0- 130.0	100.0	
	162	6.753	6.753	0.000		233287		59.3- 119.3	88.2	
* 90 Phenanthrene-d10										
	188	8.258	8.258	0.000	1	359402	40.0	70.0- 130.0	100.0	
91 Phenanthrene										
	178	8.281	8.281	0.000	1	4454	0.4474	70.0- 130.0	100.0	
\$ 98 Terphenyl-d14										
	244	9.599	9.587	0.012	1	195532	45.9	70.0- 130.0	100.0	
* 103 Chrysene-d12										
	240	10.381	10.369	0.012	1	188038	40.0	70.0- 130.0	100.0	
106 Benzo[b]fluoranthene										
	252	11.162	11.162	0.023	1	6415	0.1224	70.0- 130.0	100.0	M
	253	11.162	11.162	0.023		1857		5.7- 65.7	28.9	
107 Benzo[k]fluoranthene										
	252	11.162	11.162	0.012	1	5515	2.36	70.0- 130.0	100.0	M
	253	11.162	11.162	0.012		1857		7.6- 67.6	33.7	

Data File: \\Valsvr08\ChromData\MSA\20120129-6247.b\D3687.D

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
108 Benzo[a]pyrene									
252	11.372	11.349	0.023	1	4248	0.9021	70.0- 130.0	100.0	
253	11.372	11.349	0.023		869		0.0- 53.3	20.5	
* 109 Perylene-d12									
264	11.419	11.395	0.024	1	133004	40.0	70.0- 130.0	100.0	

## QC Flag Legend

## Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:31:33

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3687.D

Injection Date: 29-Jan-2012 17:38:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14FLR2:050055

Instrument ID: SMSA

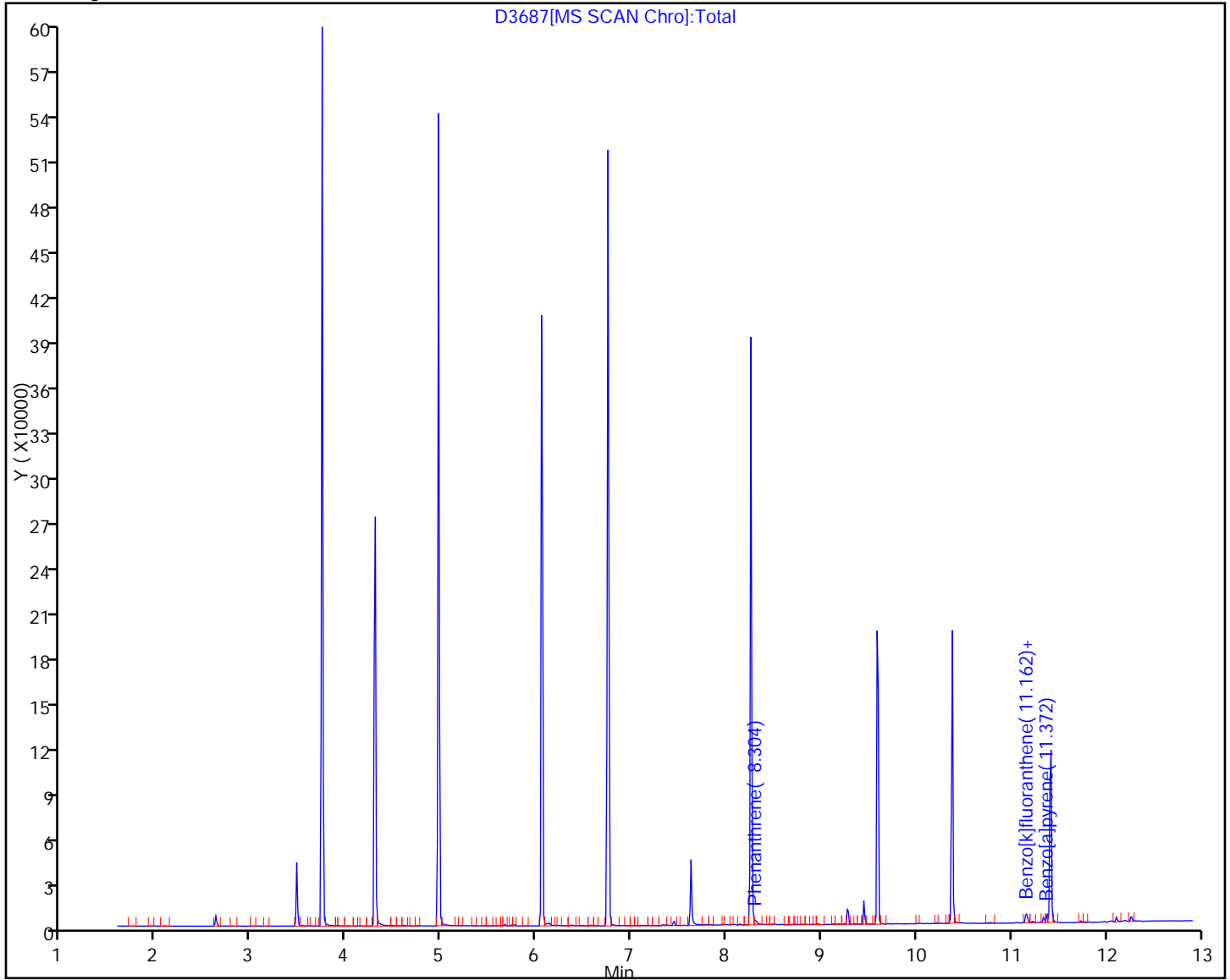
Lims Batch ID: 93035

Lims Sample ID: 23

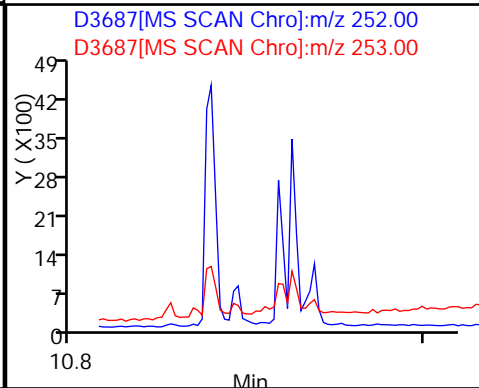
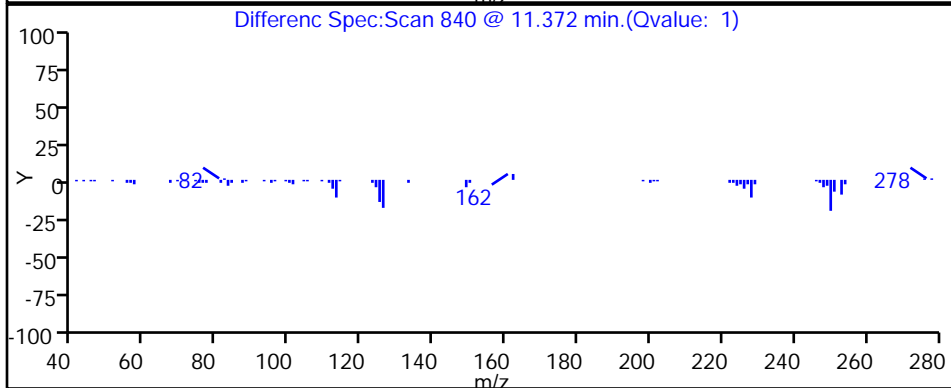
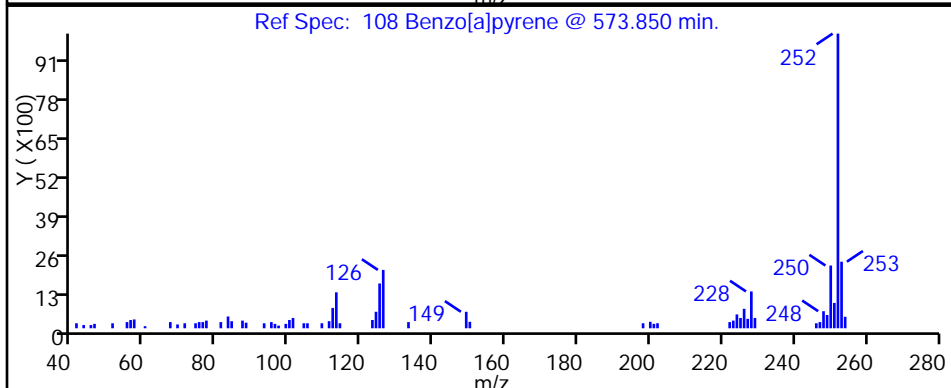
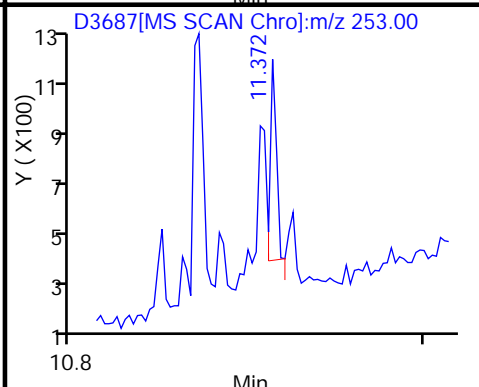
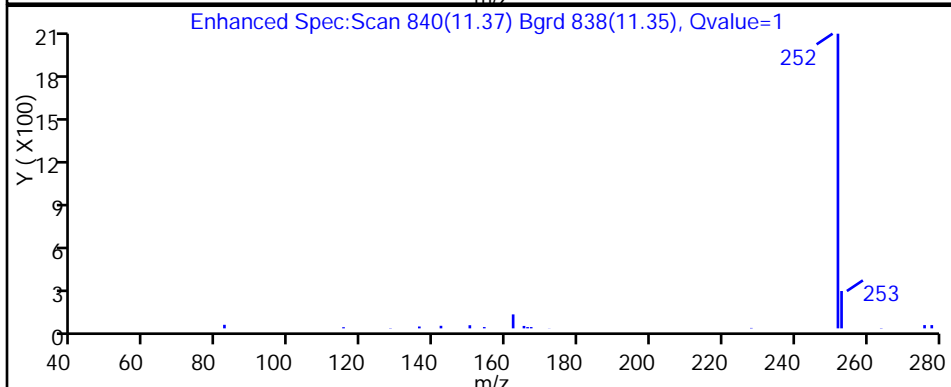
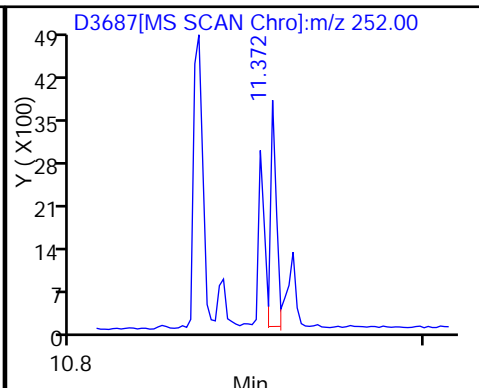
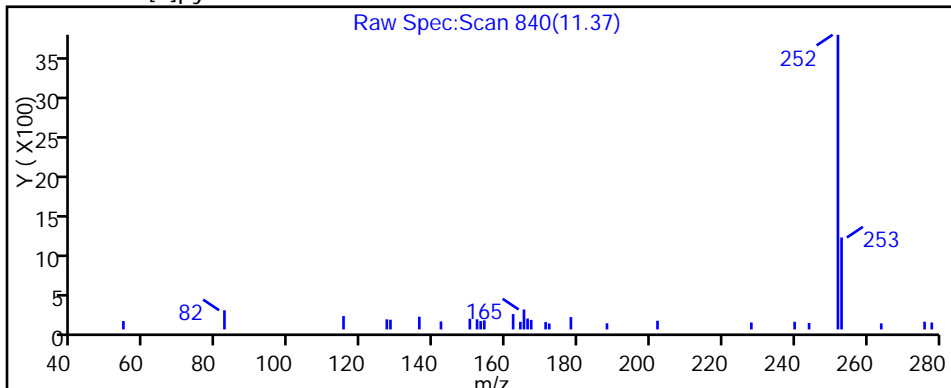
Operator ID: WDS

Injection Vol: 1.00 ul

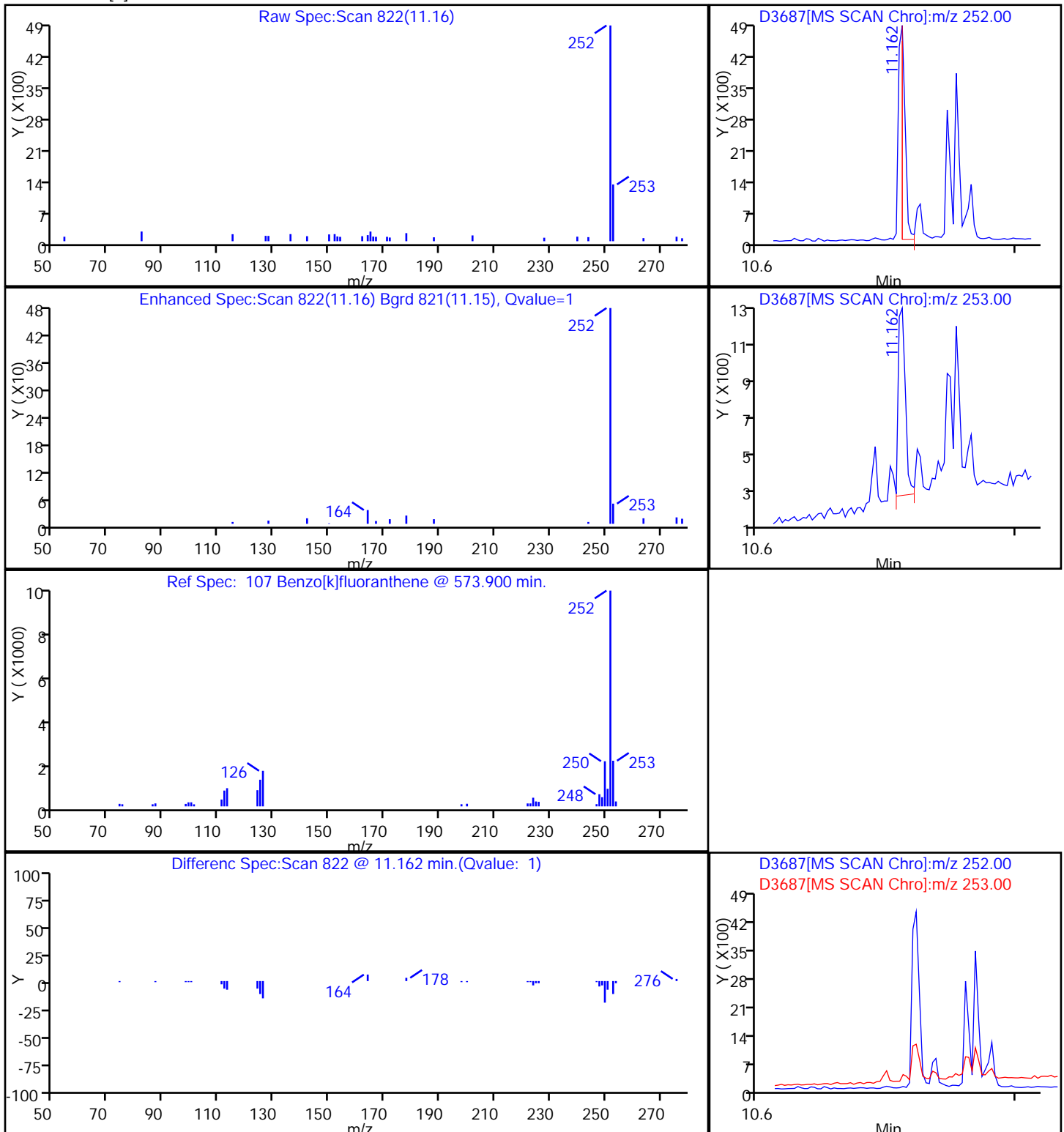
Y Scaling:



108 Benzo[a]pyrene



107 Benzo[k]fluoranthene

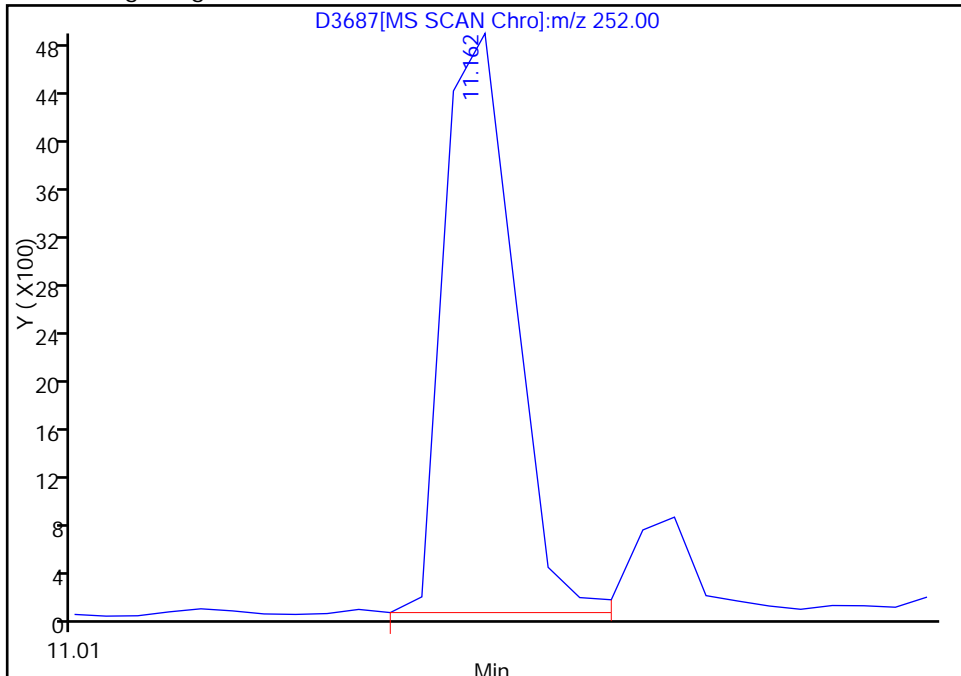


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3687.D  
Injection Date: 29-Jan-2012 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14FLR2:050055 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 23  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

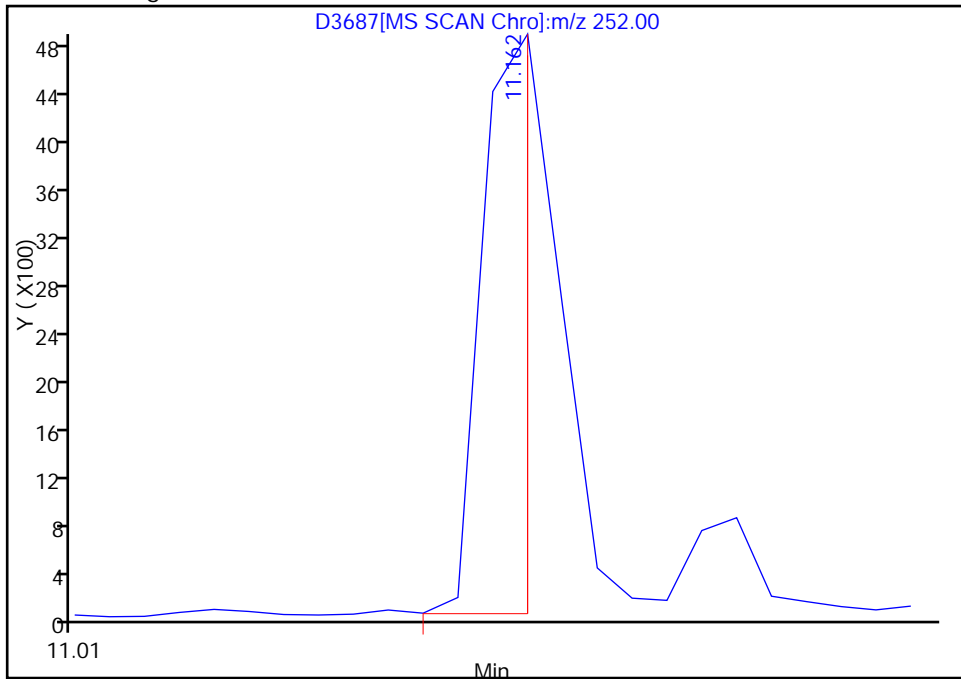
RT: 11.16  
Response: 8584  
Amount: 0.414206

Processing Integration Results



RT: 11.16  
Response: 6415  
Amount: 0.122352

Manual Integration Results



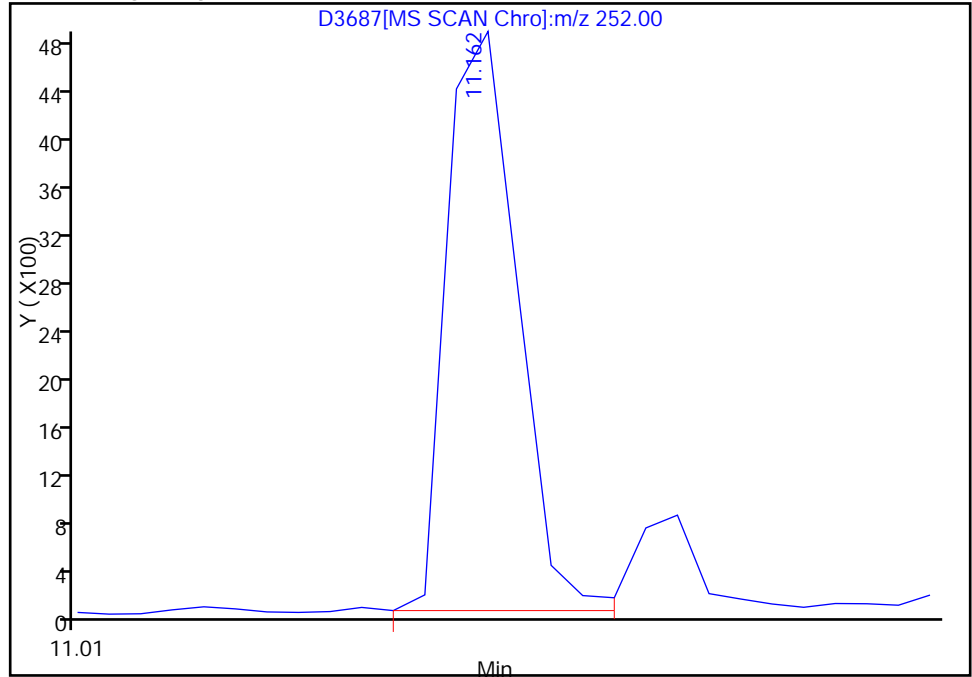
Reviewer: squiresb, 29-Jan-2012 20:31:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3687.D  
Injection Date: 29-Jan-2012 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14FLR2:050055 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 23  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

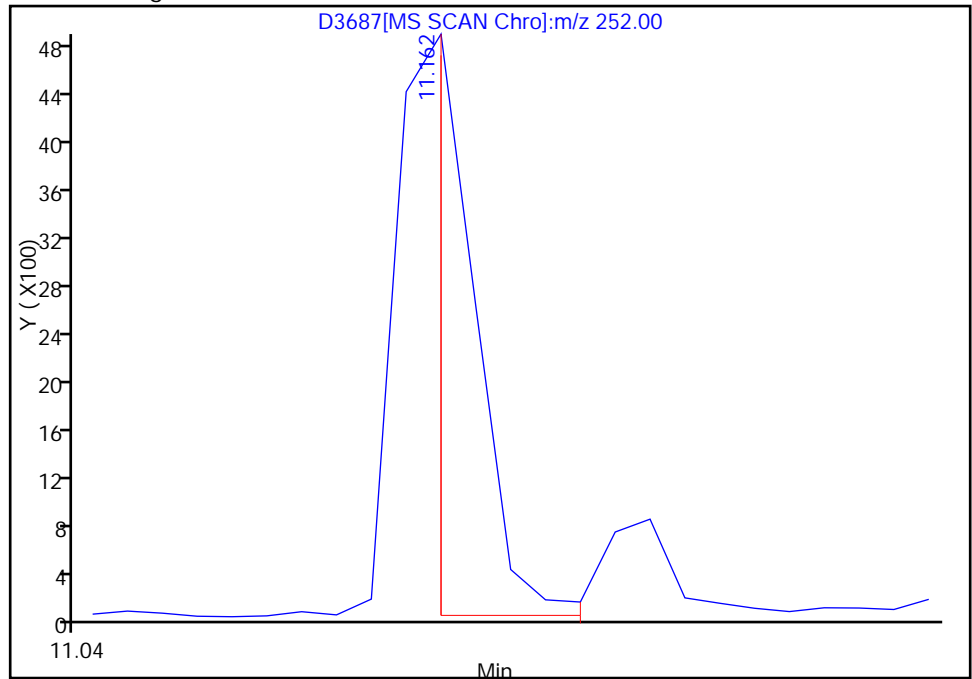
Processing Integration Results

RT: 11.16  
Response: 8584  
Amount: 2.787721



Manual Integration Results

RT: 11.16  
Response: 5515  
Amount: 2.356456



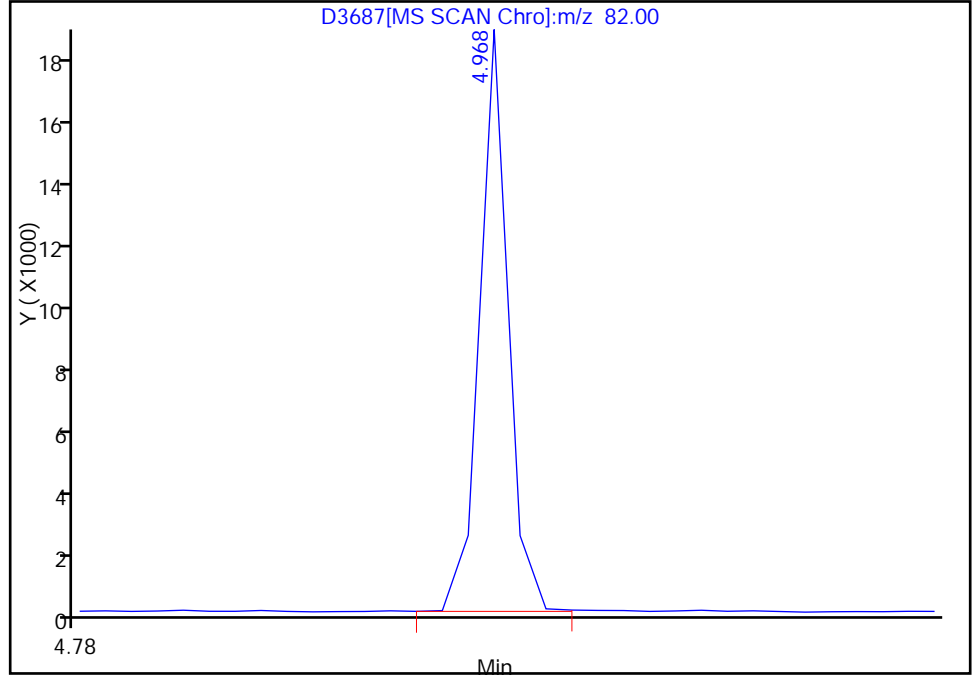
Reviewer: squiresb, 29-Jan-2012 20:31:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3687.D  
Injection Date: 29-Jan-2012 17:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14FLR2:050055 Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 23  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

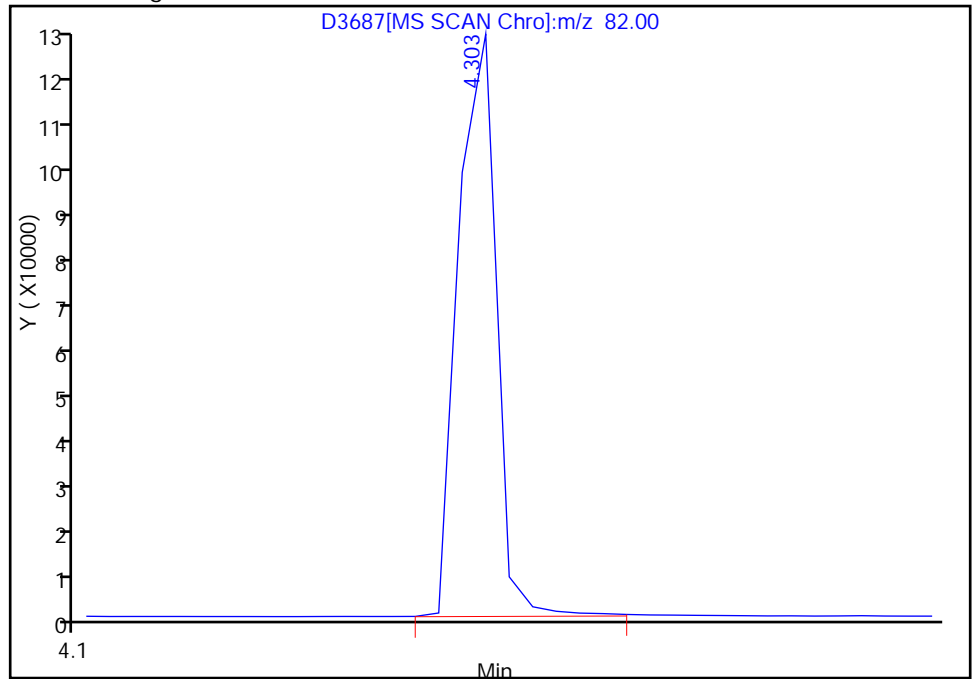
RT: 4.97  
Response: 16276  
Amount: 3.901638

Processing Integration Results



RT: 4.30  
Response: 164962  
Amount: 39.544241

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:31:33  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Field Lab Sample ID: 510-74911-7  
 Matrix: Solid Lab File ID: D3688.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:50  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.55(g) Date Analyzed: 01/29/2012 17:56  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 5.3 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0026
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	<0.021		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	<0.021		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0032
129-00-0	Pyrene	<0.021		0.021	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	68		10-117
321-60-8	2-Fluorobiphenyl	56		16-110
1718-51-0	Terphenyl-d14	84		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3688.D  
 Lims ID: 510-74911-H-7-A Client ID: SB0058: TK14:Field Duplicate  
 Inject. Date: 29-Jan-2012 17:56:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-7  
 Misc. Info.: 510-0006247-024 =510-0006247-024  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 24  
 Lims Batch ID: 93035 Lims Sample ID: 24  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:32:21

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	161132	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		80154		20.2- 80.2	49.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	0	123349	33.9	70.0- 130.0	100.0 M
	128	0.0	4.303	-4.303		0		239.5- 299.5	M
	54	0.0	4.303	-4.303		0		17.0- 77.0	
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	396603	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	241709	28.2		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	228004	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		201920		59.3- 119.3	88.6
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	338612	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.599	9.587	0.012	1	213658	41.9	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.381	10.369	0.012	1	224648	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.419	11.395	0.024	1	150343	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:32:21

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3688.D

Injection Date: 29-Jan-2012 17:56:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14:Field Duplicate

Instrument ID: SMSA

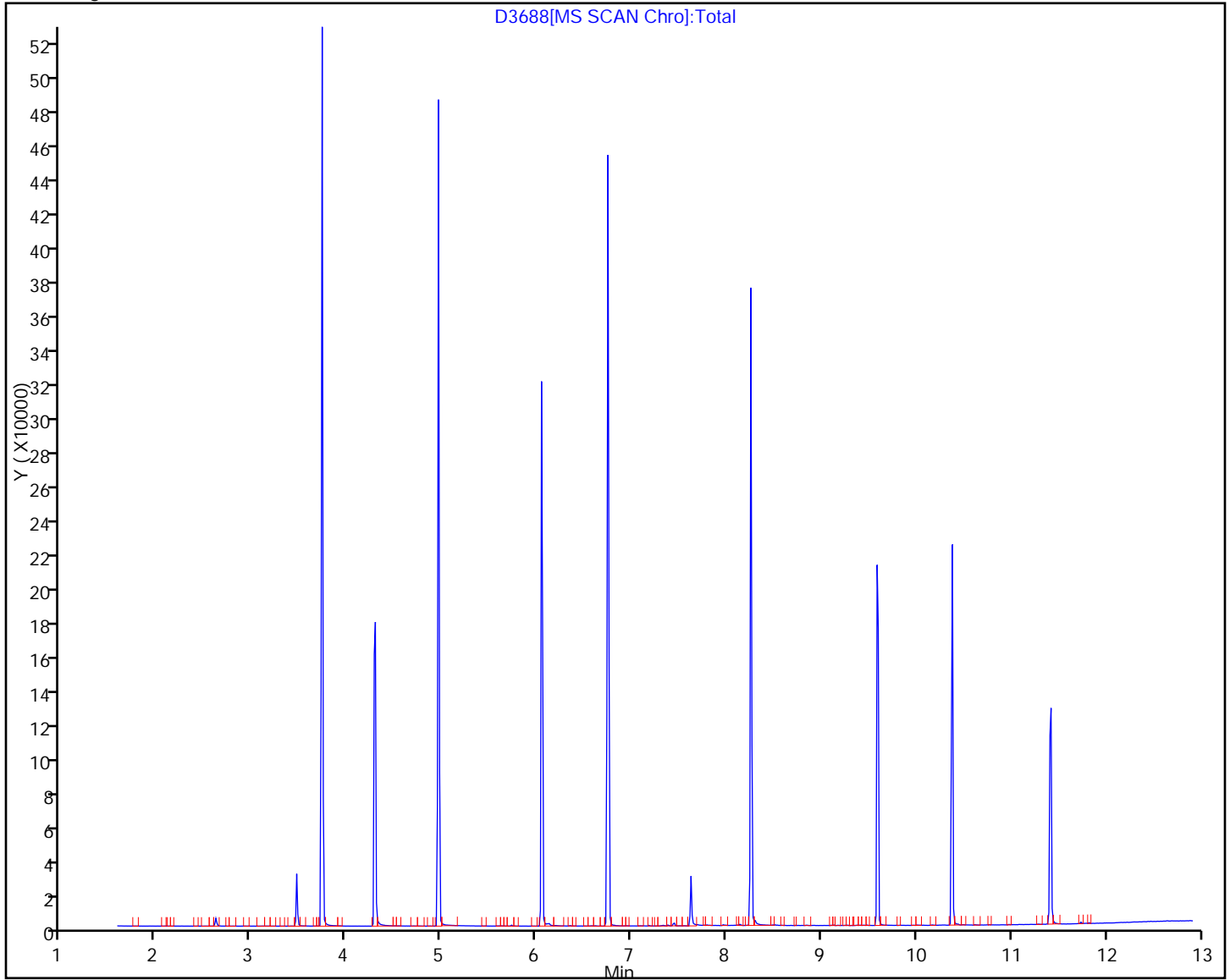
Lims Batch ID: 93035

Lims Sample ID: 24

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

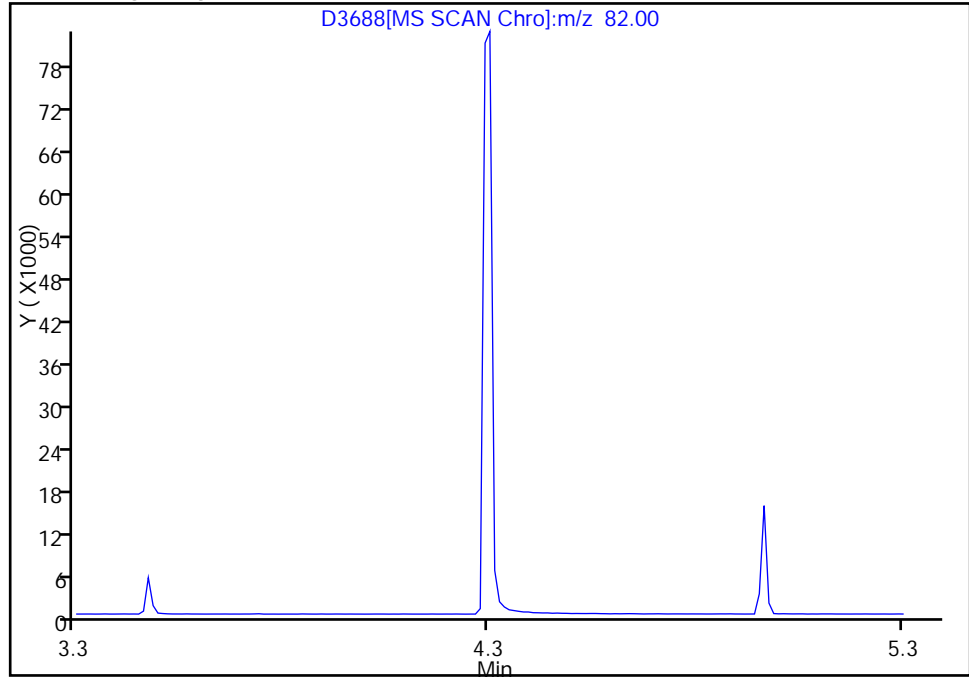


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3688.D  
Injection Date: 29-Jan-2012 17:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14:Field Duplicate Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 24  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

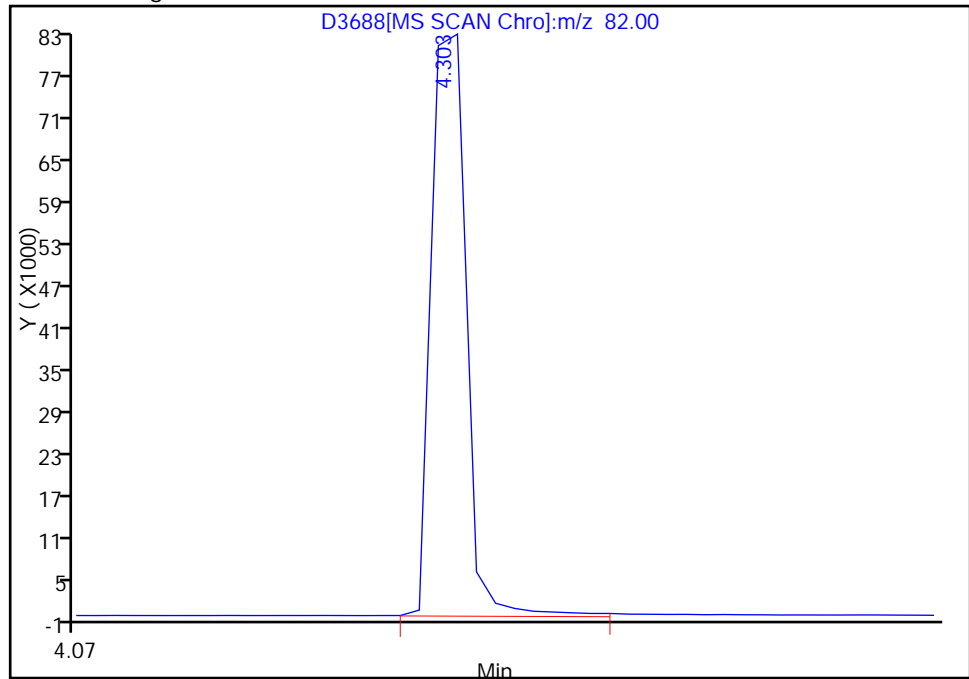
Not Detected  
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.30  
Response: 123349  
Amount: 33.915614



Reviewer: squiresb, 29-Jan-2012 20:32:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Stockpile Lab Sample ID: 510-74911-8  
 Matrix: Solid Lab File ID: D3689.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 10:30  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.30(g) Date Analyzed: 01/29/2012 18:14  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 5.2 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.021		0.021	0.0026
208-96-8	Acenaphthylene	<0.021		0.021	0.0033
120-12-7	Anthracene	<0.021		0.021	0.0033
56-55-3	Benzo[a]anthracene	<0.021		0.021	0.0022
50-32-8	Benzo[a]pyrene	<0.021		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	<0.021		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	<0.021		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	0.066		0.021	0.0022
218-01-9	Chrysene	<0.021		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
86-73-7	Fluorene	<0.021		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0023
91-20-3	Naphthalene	<0.021		0.021	0.0034
85-01-8	Phenanthrene	<0.021		0.021	0.0032
129-00-0	Pyrene	<0.021		0.021	0.0039

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	74		10-117
321-60-8	2-Fluorobiphenyl	66		16-110
1718-51-0	Terphenyl-d14	82		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3689.D  
 Lims ID: 510-74911-H-8-A Client ID: SB0058: TK14:Stockpile  
 Inject. Date: 29-Jan-2012 18:14:30 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: 510-74911-8  
 Misc. Info.: 510-0006247-025 =510-0006247-025  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 25  
 Lims Batch ID: 93035 Lims Sample ID: 25  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:34:21

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags	
* 40 1,4-Dichlorobenzene-d4										
	152	3.743	3.743	0.000	1	124458	40.0	70.0- 130.0	100.0	
	115	3.743	3.743	0.000		61685		20.2- 80.2	49.6	
\$ 49 Nitrobenzene-d5										
	82	4.303	4.303	0.000	1	110757	36.8	70.0- 130.0	100.0	M
	128	4.991	4.303	0.688		1046		239.5- 299.5	0.9	M
	54	4.968	4.303	0.665		30588		17.0- 77.0	27.6	
* 57 Naphthalene-d8										
	136	4.968	4.968	0.000	1	328125	40.0	70.0- 130.0	100.0	
\$ 66 2-Fluorobiphenyl										
	172	6.053	6.053	0.000	1	225673	33.1			
* 73 Acenaphthene-d10										
	164	6.753	6.753	0.000	1	181706	40.0	70.0- 130.0	100.0	
	162	6.753	6.753	0.000		161367		59.3- 119.3	88.8	
* 90 Phenanthrene-d10										
	188	8.258	8.258	0.000	1	254404	40.0	70.0- 130.0	100.0	
91 Phenanthrene										
	178	8.281	8.281	0.000	1	2972	0.4217	70.0- 130.0	100.0	
92 Anthracene										
	178	8.316	8.316	0.000	1	789	0.1148	70.0- 130.0	100.0	
\$ 98 Terphenyl-d14										
	244	9.587	9.587	0.000	1	146295	41.1	70.0- 130.0	100.0	
* 103 Chrysene-d12										
	240	10.381	10.369	0.012	1	156862	40.0	70.0- 130.0	100.0	
107 Benzo[k]fluoranthene										
	252	11.162	11.162	0.012	1	2055	1.90	70.0- 130.0	100.0	M
	253	11.162	11.162	0.012		1134		7.6- 67.6	55.2	M

Data File: \\Valsvr08\ChromData\MSA\20120129-6247.b\D3689.D

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
									M
108	Benzo[a]pyrene								
252	11.372	11.372	0.023	1	1574	0.3694	70.0- 130.0	100.0	M
253	11.162	11.372	-0.187		1134		0.0- 53.3	72.0	
* 109	Perylene-d12								
264	11.419	11.395	0.024	1	120342	40.0	70.0- 130.0	100.0	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 29-Jan-2012 20:34:21

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\MSMA\20120129-6247.b\D3689.D

Injection Date: 29-Jan-2012 18:14:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058: TK14:Stockpile

Instrument ID: SMSA

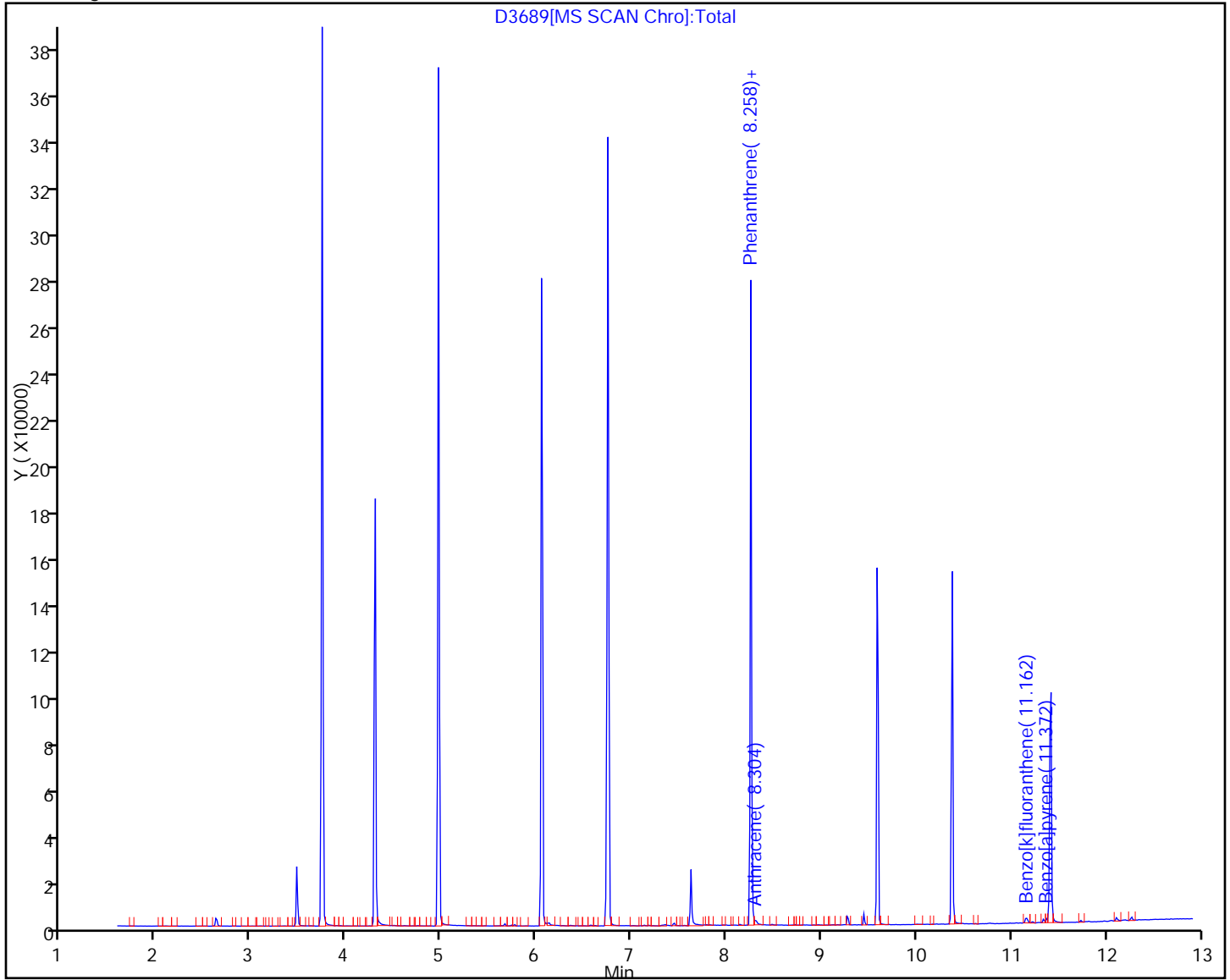
Lims Batch ID: 93035

Lims Sample ID: 25

Operator ID: WDS

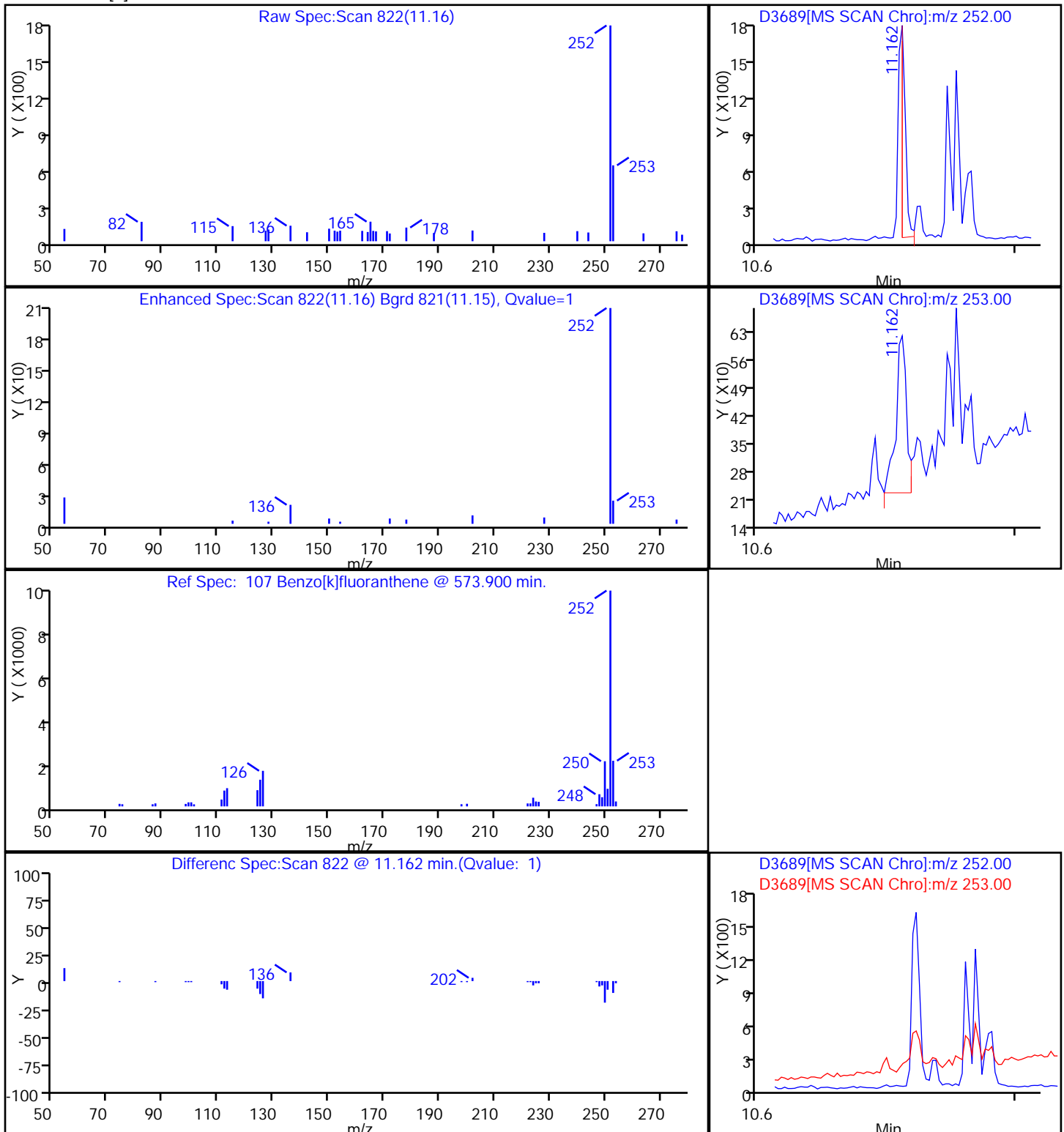
Injection Vol: 1.00 ul

Y Scaling:





107 Benzo[k]fluoranthene

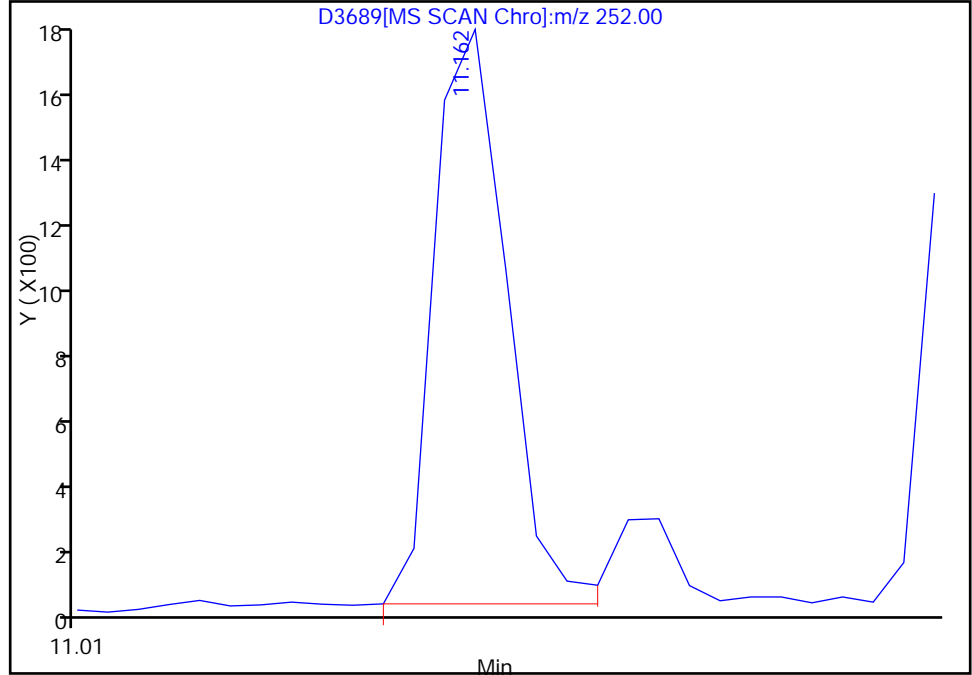


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3689.D  
Injection Date: 29-Jan-2012 18:14:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14:Stockpile Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 25  
Operator ID: WDS Injection Vol: 1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.35

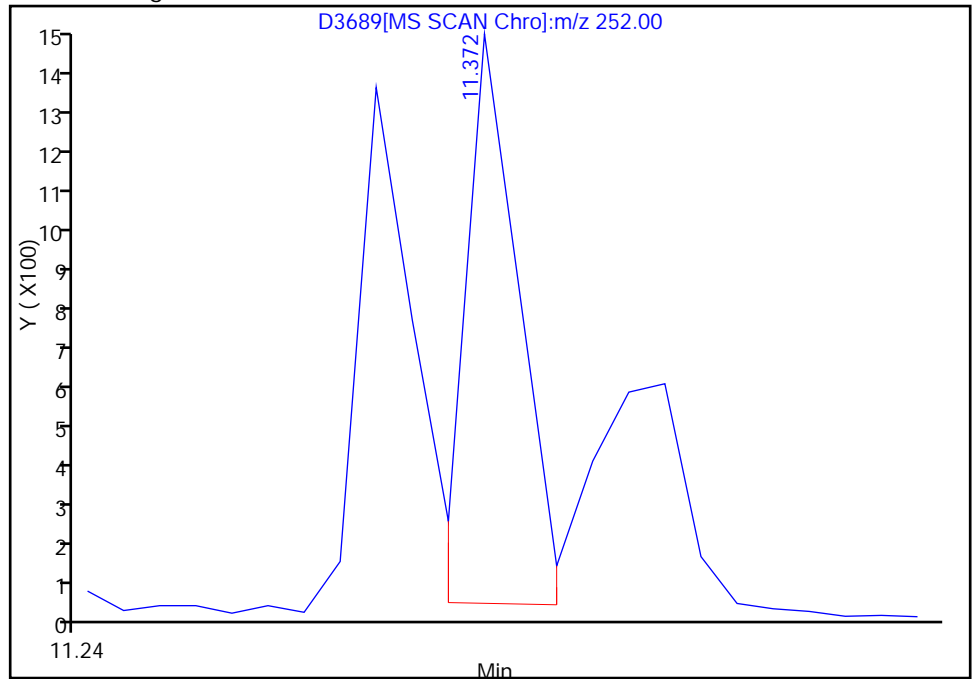
RT: 11.16  
Response: 3204  
Amount: 0.751999

Processing Integration Results



RT: 11.37  
Response: 1574  
Amount: 0.369428

Manual Integration Results



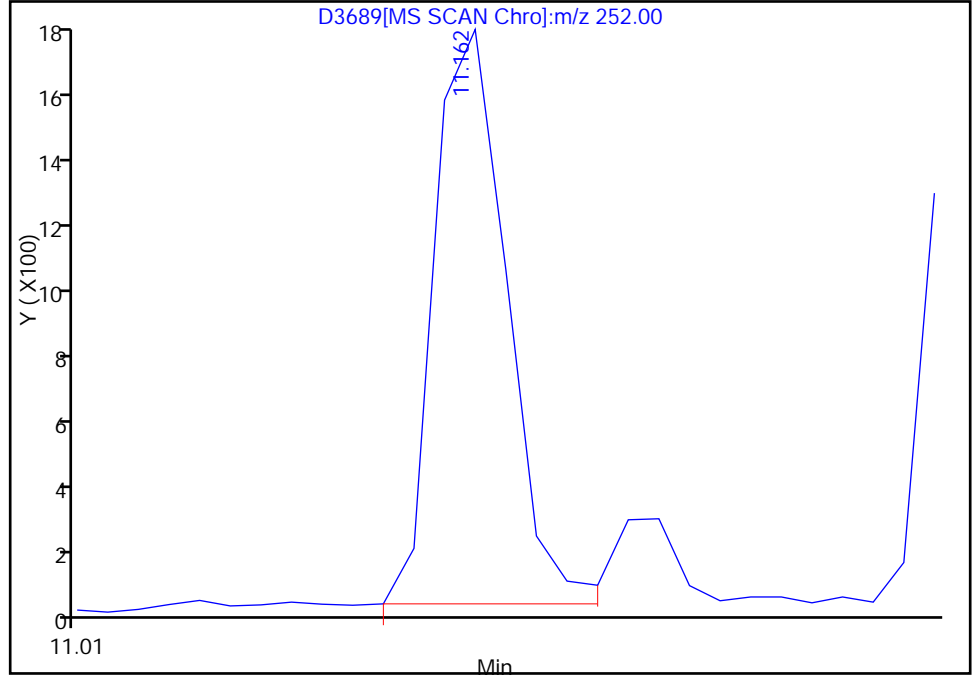
Reviewer: squiresb, 29-Jan-2012 20:34:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3689.D  
Injection Date: 29-Jan-2012 18:14:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14:Stockpile Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 25  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

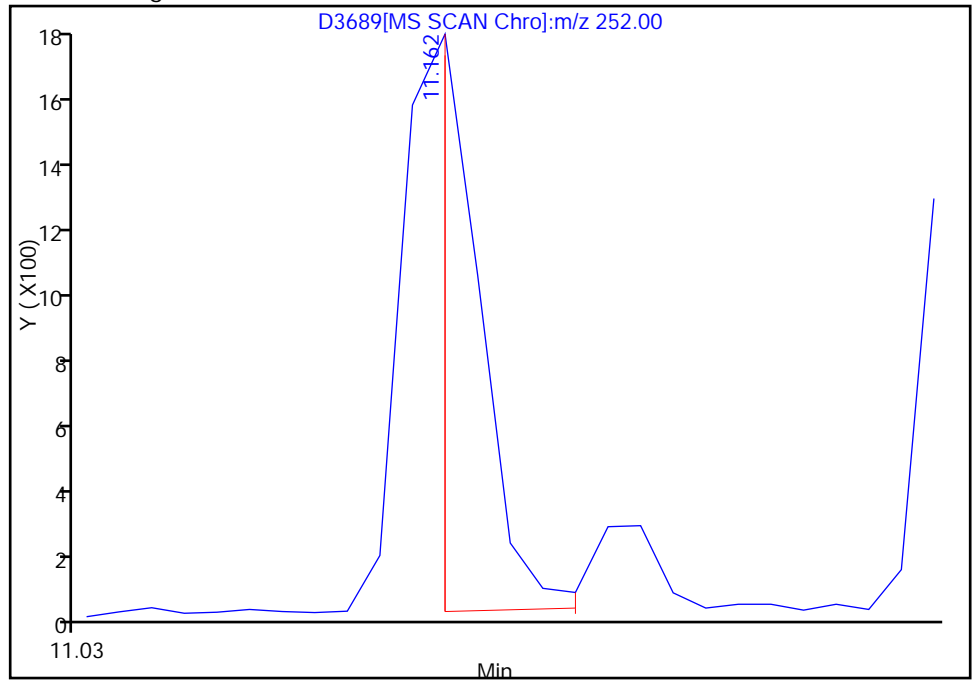
RT: 11.16  
Response: 3204  
Amount: 2.079080

Processing Integration Results



RT: 11.16  
Response: 2055  
Amount: 1.900631

Manual Integration Results



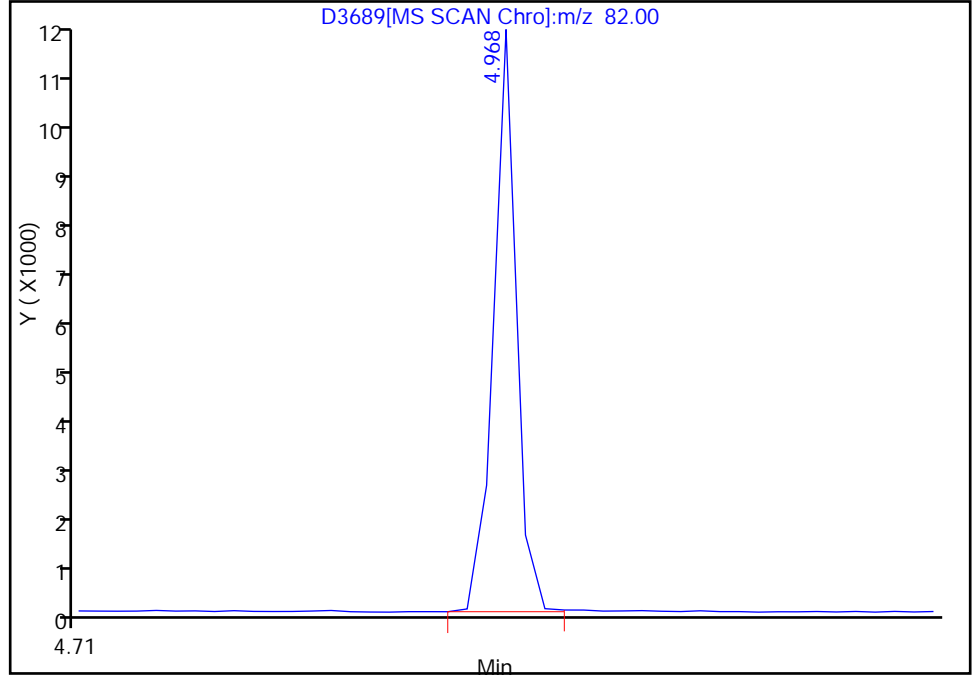
Reviewer: squiresb, 29-Jan-2012 20:34:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3689.D  
Injection Date: 29-Jan-2012 18:14:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: SB0058: TK14:Stockpile Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 25  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

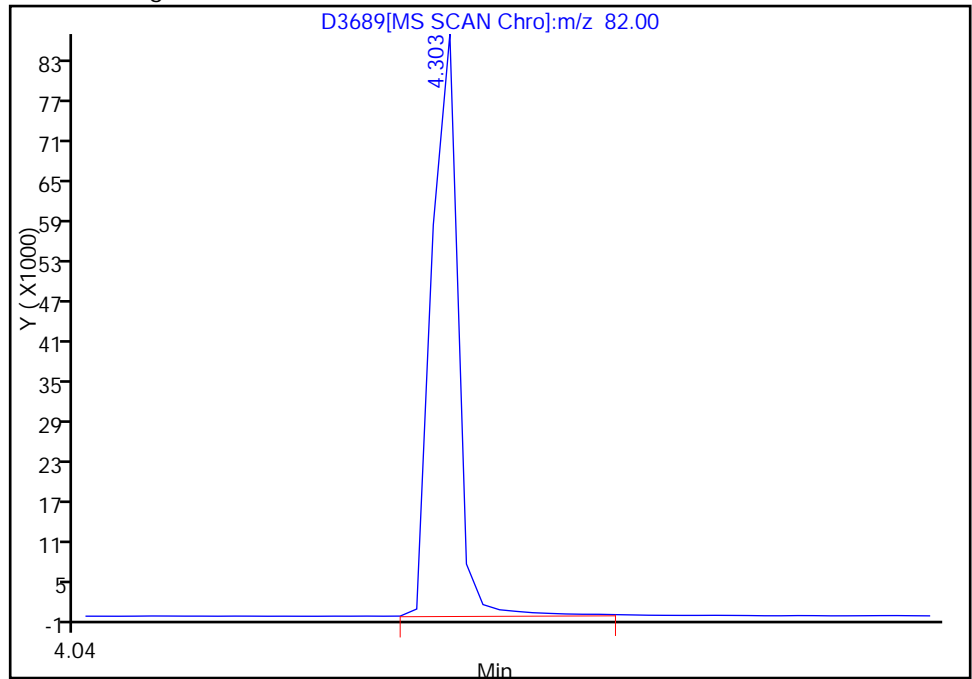
RT: 4.97  
Response: 10733  
Amount: 3.566990

Processing Integration Results



RT: 4.30  
Response: 110757  
Amount: 36.808821

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:34:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93035

SDG No.: \_\_\_\_\_

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/29/2012 11:11 Calibration End Date: 01/29/2012 13:20 Calibration ID: 4564

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD 510-93035/2	D3666.D
Level 2	SSTD001 510-93035/3	D3667.D
Level 3	SSTD002 510-93035/4	D3668.D
Level 4	SSTD005 510-93035/5	D3669.D
Level 5	SSTD010 510-93035/6	D3670.D
Level 6	SSTD020 510-93035/7	D3671.D
Level 7	SSTD040 510-93035/8	D3672.D
Level 8	SSTD080 510-93035/9	D3673.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	1.2999 1.0761	1.0695 0.9307	1.1737 0.8120	1.1467	1.0435	Ave		1.0690			0.0500	14.0		15.0			
2-Methylnaphthalene	0.7825 0.7575	0.7365 0.6626	0.8640 0.5597	0.8674	0.7309	Ave		0.7451			0.0500	14.0		15.0			
Acenaphthylene	2.2641 1.9246	2.0422 1.6805	2.2973 1.4554	2.1539	1.9745	Ave		1.9741			0.0500	15.0		15.0			
Acenaphthene	1.1375 1.0889	1.0534 0.9691	1.1482 0.8627	1.0985	1.0503	Ave		1.0511			0.0500	9.0		15.0			
Fluorene	1.4208 1.3789	1.2997 1.2309	1.5588 1.0530	1.4929	1.3723	Ave		1.3509			0.0500	12.0		15.0			
Phenanthrene	1.2642 1.1905	1.0701 0.9859	1.1937 0.8411	1.2463	1.0720	Ave		1.1080			0.0500	13.0		15.0			
Anthracene	1.0978 1.1025	1.0451 0.9399	1.2425 0.9083	1.1713	1.1369	Ave		1.0805			0.0500	10.0		15.0			
Fluoranthene	1.2383 1.1600	1.1932 1.0813	1.2343 0.9179	1.3602	1.1727	Ave		1.1697			0.0500	11.0		15.0			
Pyrene	2.2849 1.8712	1.7162 1.4845	2.0221 1.4556	1.8138	1.7968	Ave		1.8056			0.0500	15.0		15.0			
Benzo[a]anthracene	1.7357 1.5522	1.6410 1.2670	1.7036 1.2875	1.4852	1.4674	Ave		1.5175			0.0500	12.0		15.0			
Chrysene	1.4839 1.3083	1.2900 1.1470	1.2908 1.0495	1.2878	1.2301	Ave		1.2609			0.0500	10.0		15.0			
Benzo[b]fluoranthene	2.0376 2.0593	1.9472 1.7219	2.4173 1.2513	2.9443	2.7445	Qua	1.6552	2.2419	-0.013		0.0500			0.9960		0.9950	
Benzo[k]fluoranthene	2.5104 1.9553	2.3850 1.8379	1.8436 2.1608	1.4247	1.2206	Lin	-3.385	2.1402			0.0500			0.9930		0.9900	
Benzo[a]pyrene	1.5696 1.4843	1.4026 1.3451	1.4807 1.2096	1.4777	1.3597	Ave		1.4162			0.0500	7.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93035

SDG No.: \_\_\_\_\_

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/29/2012 11:11 Calibration End Date: 01/29/2012 13:20 Calibration ID: 4564

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
	LVL 6	LVL 7	LVL 8														
Indeno[1,2,3-cd]pyrene	1.7119 1.4852	1.4836 1.3400	1.4178 1.2071	1.4116	1.3550	Ave		1.4265			0.0500	10.0		15.0			
Dibenz(a,h)anthracene	1.2685 1.2362	1.1819 1.1381	1.1742 0.9965	1.1479	1.1219	Ave		1.1581			0.0500	7.1		15.0			
Benzo[g,h,i]perylene	1.3391 1.3475	1.3276 1.2041	1.2117 1.0439	1.1846	1.1749	Ave		1.2292			0.0500	8.5		15.0			
Nitrobenzene-d5	0.3758 0.3958	0.3136 0.3416	0.4026 0.3180	0.4011	0.3860	Ave		0.3668			0.0500	10.0		15.0			
2-Fluorobiphenyl	1.6183 1.5116	1.6110 1.3202	1.6932 1.1625	1.5900	1.5127	Ave		1.5024			0.0500	12.0		15.0			
Terphenyl-d14	1.0030 0.9749	0.8377 0.8001	0.9765 0.8192	0.9505	0.8951	Ave		0.9071			0.0500	8.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93035

SDG No.: \_\_\_\_\_

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/29/2012 11:11 Calibration End Date: 01/29/2012 13:20 Calibration ID: 4564

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD 510-93035/2	D3666.D
Level 2	SSTD001 510-93035/3	D3667.D
Level 3	SSTD002 510-93035/4	D3668.D
Level 4	SSTD005 510-93035/5	D3669.D
Level 5	SSTD010 510-93035/6	D3670.D
Level 6	SSTD020 510-93035/7	D3671.D
Level 7	SSTD040 510-93035/8	D3672.D
Level 8	SSTD080 510-93035/9	D3673.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Naphthalene	NPT	Ave	3995 172808	6732 196547	22362 373687	51329	91252	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Methylnaphthalene	NPT	Ave	2405 121645	4636 139921	16462 257579	38829	63912	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthylene	ANT	Ave	3772 169058	7047 196110	25353 356845	57594	93048	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthene	ANT	Ave	1895 95653	3635 113093	12672 211534	29374	49498	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluorene	ANT	Ave	2367 121128	4485 143645	17203 258174	39920	64668	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Phenanthrene	PHN	Ave	3076 157260	5528 185185	19736 321089	50901	75926	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Anthracene	PHN	Ave	2671 145635	5399 176540	20543 346737	47838	80521	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluoranthene	PHN	Ave	3013 153224	6164 203111	20406 350407	55554	83054	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Pyrene	CRY	Ave	3212 149848	6527 203324	21182 340922	53641	87062	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]anthracene	CRY	Ave	2440 124301	6241 173542	17846 301562	43924	71099	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Chrysene	CRY	Ave	2086 104770	4906 157105	13522 245811	38086	59601	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[b]fluoranthene	PRY	Qua	2077 129592	5867 186455	17347 231652	64035	101947	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[k]fluoranthene	PRY	Lin	2559 123048	7186 199012	13230 400010	30985	45340	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]pyrene	PRY	Ave	1600 93406	4226 145656	10626 223931	32138	50508	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	1745 93461	4470 145094	10174 223465	30701	50331	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0

FORM VI  
GC/MS SEMI VOA INITIAL CALIBRATION DATA  
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1 Analy Batch No.: 93035

SDG No.: \_\_\_\_\_

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/29/2012 11:11 Calibration End Date: 01/29/2012 13:20 Calibration ID: 4564

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
			LVL 6	LVL 7	LVL 8			LVL 6	LVL 7	LVL 8		
Dibenz(a,h)anthracene	PRY	Ave	1293 77794	3561 123239	8426 184471	24965	41674	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[g,h,i]perylene	PRY	Ave	1365 84799	4000 130379	8695 193257	25763	43642	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Nitrobenzene-d5	NPT	Ave	1155 63567	1974 72132	7670 146336	17953	33759	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Fluorobiphenyl	ANT	Ave	2696 132782	5559 154060	18686 285030	42515	71288	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Terphenyl-d14	CRY	Ave	1410 78070	3186 109582	10229 191876	28109	43372	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Qua = Quadratic ISTD



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
 Lims ID: sstd0.5 Client ID:  
 Inject. Date: 29-Jan-2012 11:11:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: SSTD0.5  
 Misc. Info.: 510-0006247-002 =510-0006247-002  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 2  
 Lims Batch ID: 93035 Lims Sample ID: 2  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 19:49:50 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 11:27:34

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	88439	40.0	70.0- 130.0	100.0
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	1155	0.8167	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		3489		1587.0-1647.0	302.1
	54	4.968	4.303	0.665		21900		252.0- 312.0	1896.1
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	245872	40.0	70.0- 130.0	100.0 M
58 Naphthalene									
	128	4.992	4.992	0.000	0	3995	0.5486	70.0- 130.0	100.0 M
	129	0.0	4.992	-4.992		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	2405	0.5151	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.065	6.065	0.000	1	2696	0.5385		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	3772	0.5258	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	133279	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		118573		59.3- 119.3	89.0
74 Acenaphthene									
	153	6.788	6.788	0.000	1	1895	0.5411	70.0- 130.0	100.0
	152	6.788	6.788	0.000		926		16.5- 76.5	48.9
	154	6.788	6.788	0.000		1952		68.8- 128.8	103.0

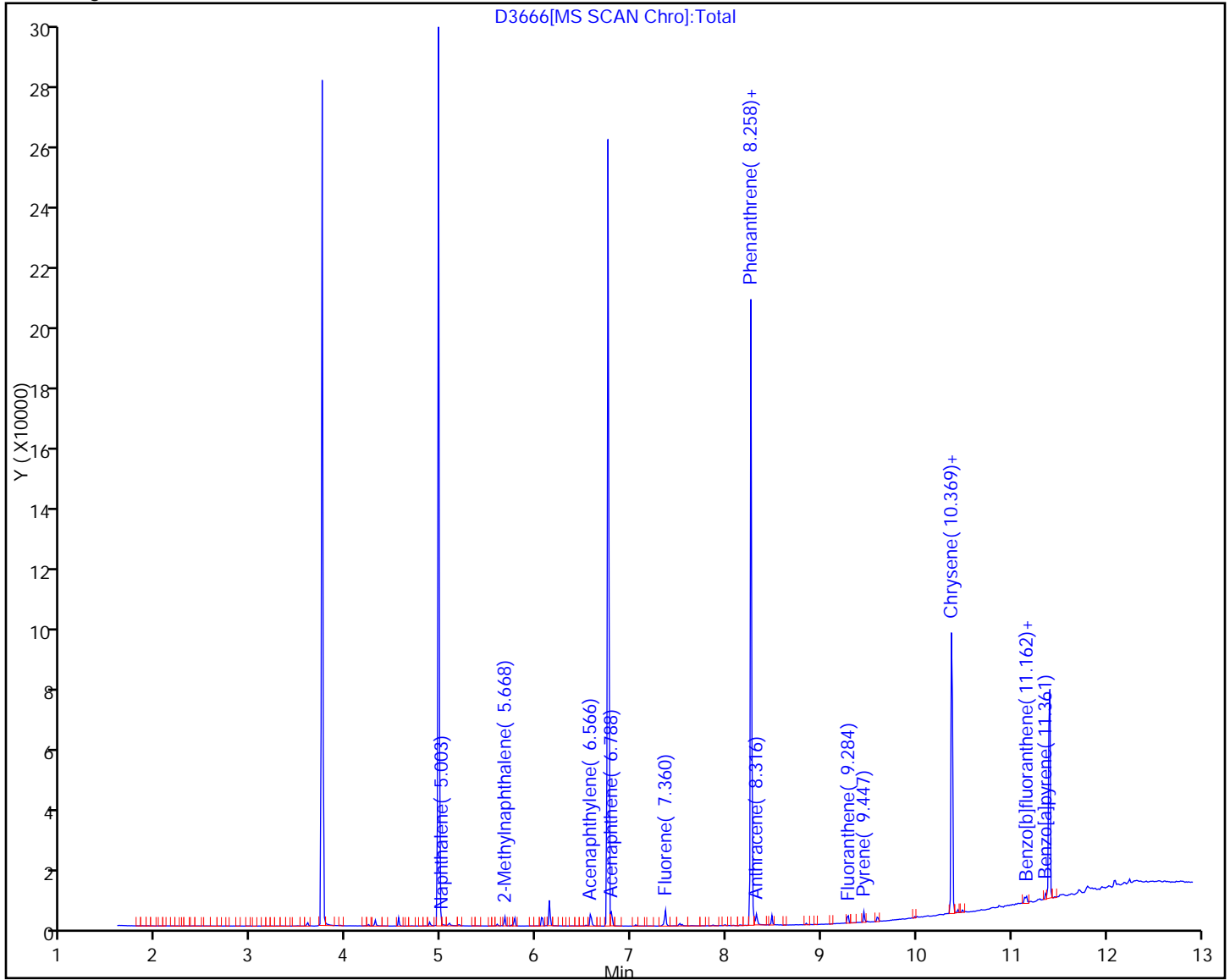
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	7.360	7.360	0.000	17	2367	0.5259	70.0- 130.0	100.0	
165	7.360	7.360	0.000		2267		57.6- 117.6	95.8	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	194648	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.281	8.281	0.000	1	3076	0.5771	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	2671	0.5045	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.284	9.284	0.000	0	3013	0.5093	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	3212	0.5000	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	1410	0.5517	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	2440	0.5140	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	112459	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	10.392	10.392	0.000	0	2086	0.5350	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	2077	-1.23	70.0- 130.0	100.0	M
253	11.162	11.139	0.023		934		0.0- 53.8	45.0	
107 Benzo[k]fluoranthene									
252	11.162	11.162	0.000	1	2559	0.4441	70.0- 130.0	100.0	M
253	11.162	11.162	0.000		934		0.0- 53.8	36.5	
108 Benzo[a]pyrene									
252	11.361	11.361	0.000	1	1600	0.5527	70.0- 130.0	100.0	
253	11.361	11.361	0.000		580		0.0- 53.3	36.3	
* 109 Perylene-d12									
264	11.407	11.407	0.000	1	81548	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.000	0	1745	0.5357	70.0- 130.0	100.0	M
138	0.0	12.084	-12.084		0		0.0- 50.5		
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	1293	0.5177	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	1365	0.5022	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		M

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

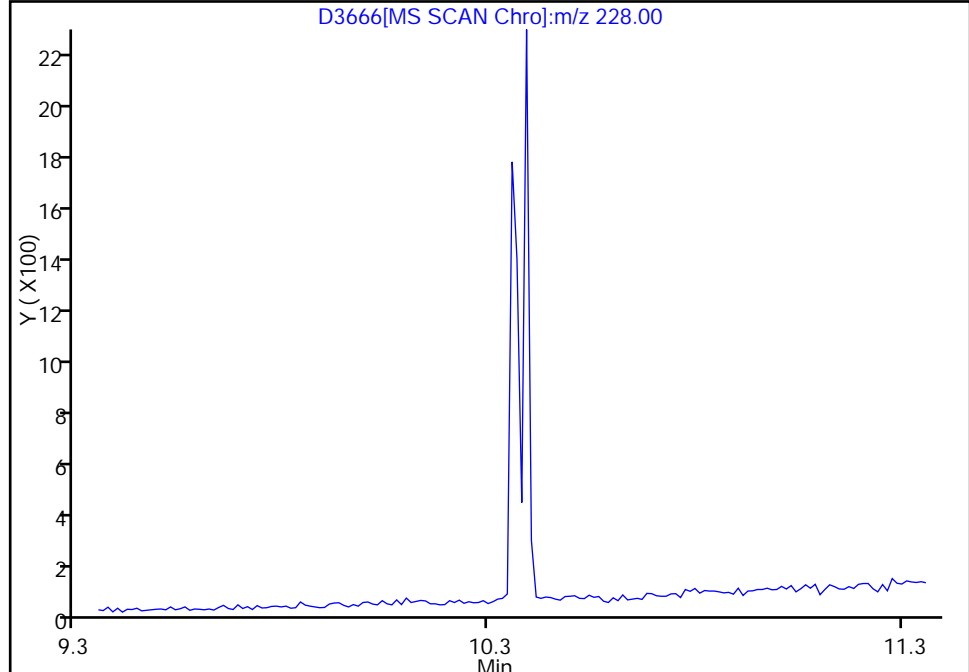


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Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

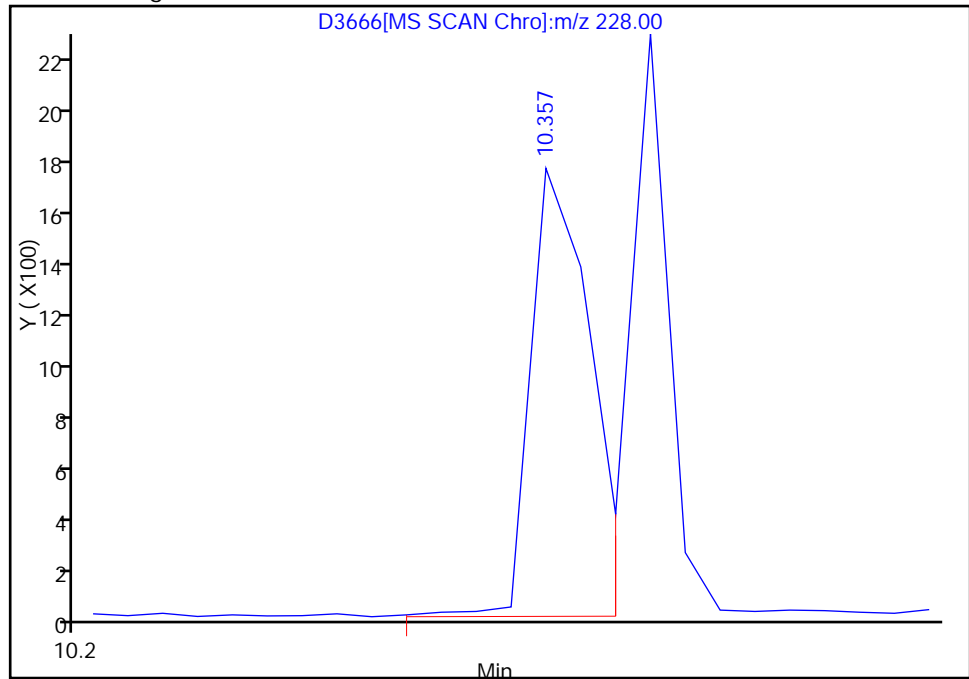
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Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 2440  
Amount: 0.514031



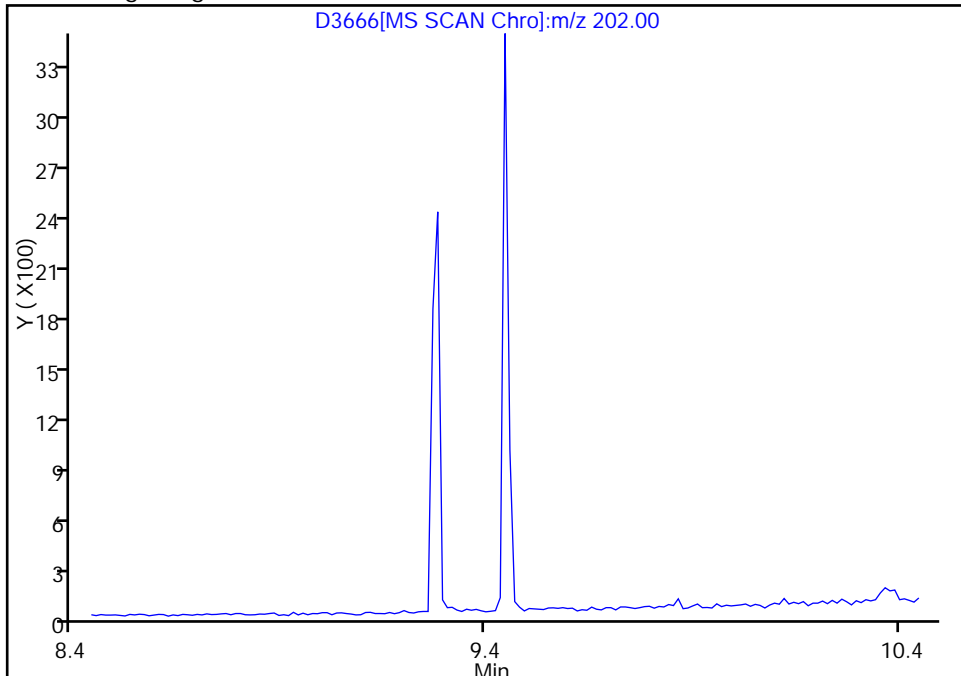
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

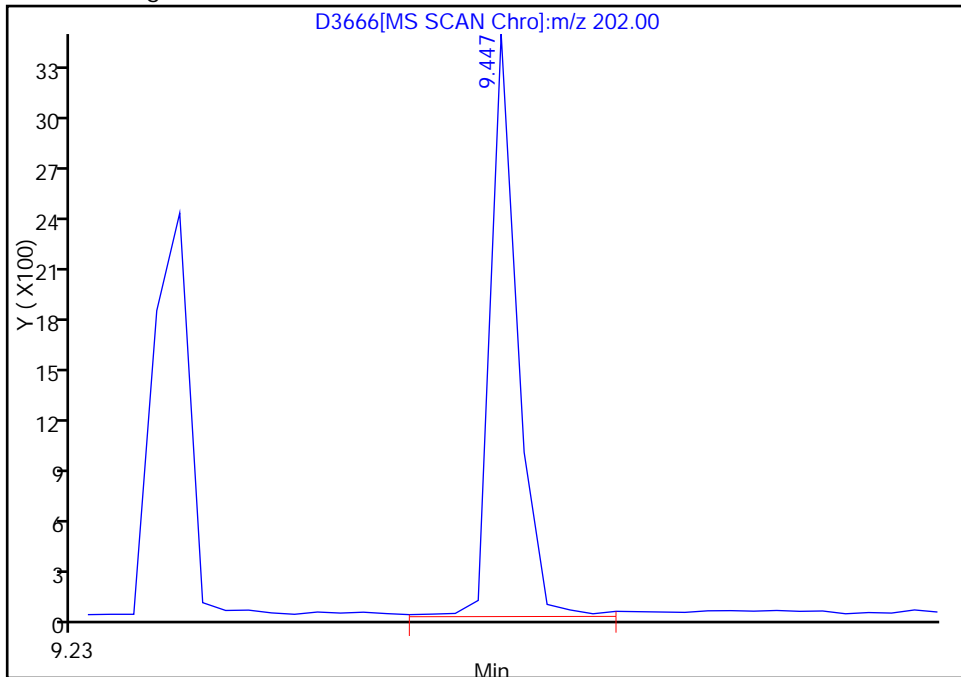
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 3212  
Amount: 0.500000



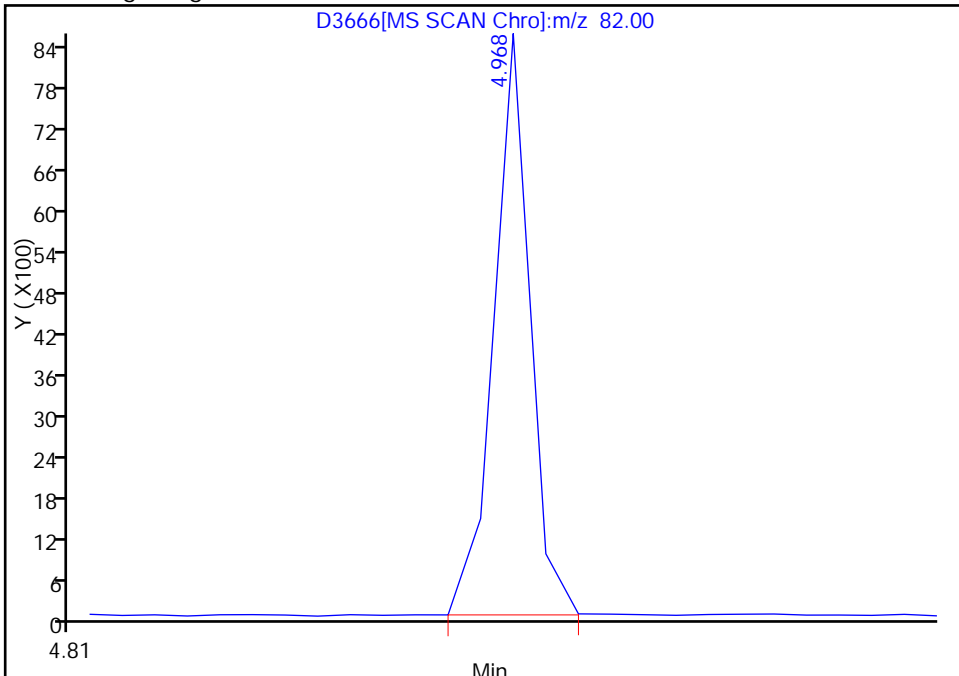
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

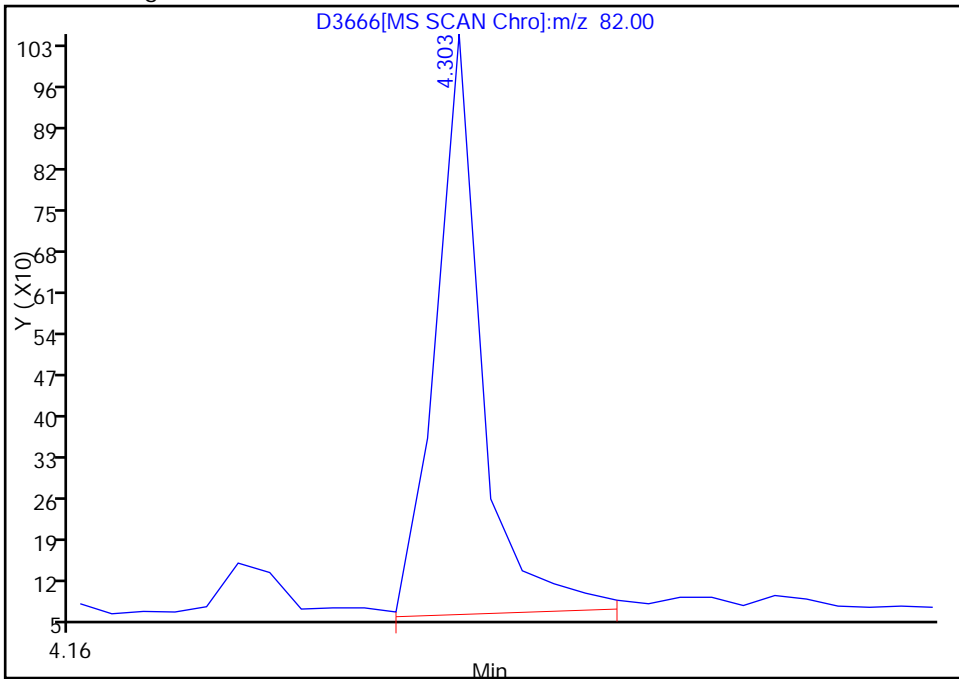
RT: 4.97  
Response: 7594  
Amount: 2.511262

Processing Integration Results



RT: 4.30  
Response: 1155  
Amount: 0.816700

Manual Integration Results



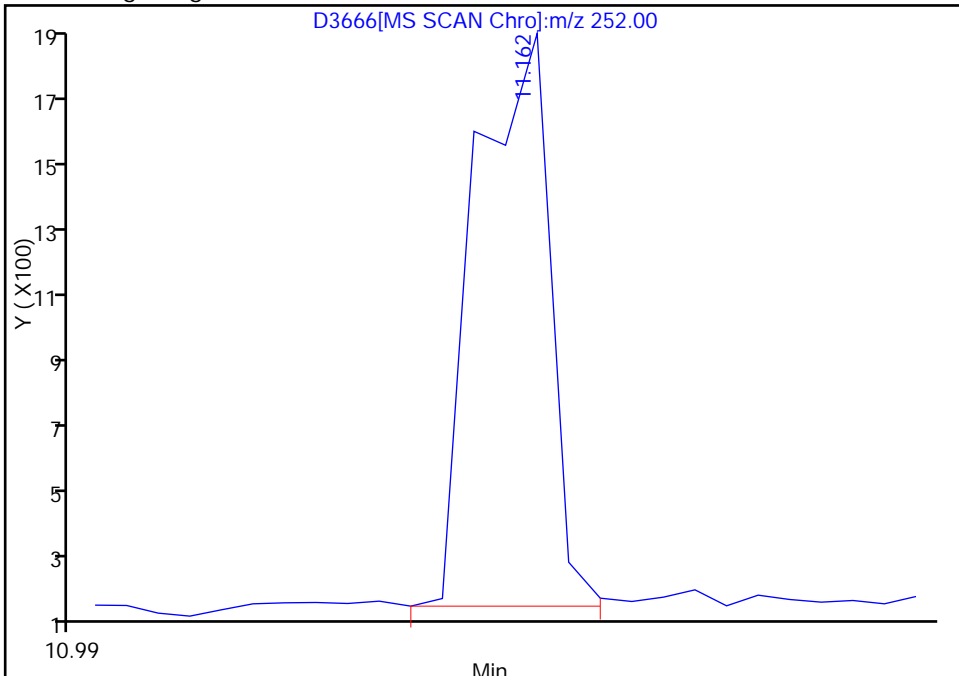
Reviewer: squiresb, 29-Jan-2012 19:49:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

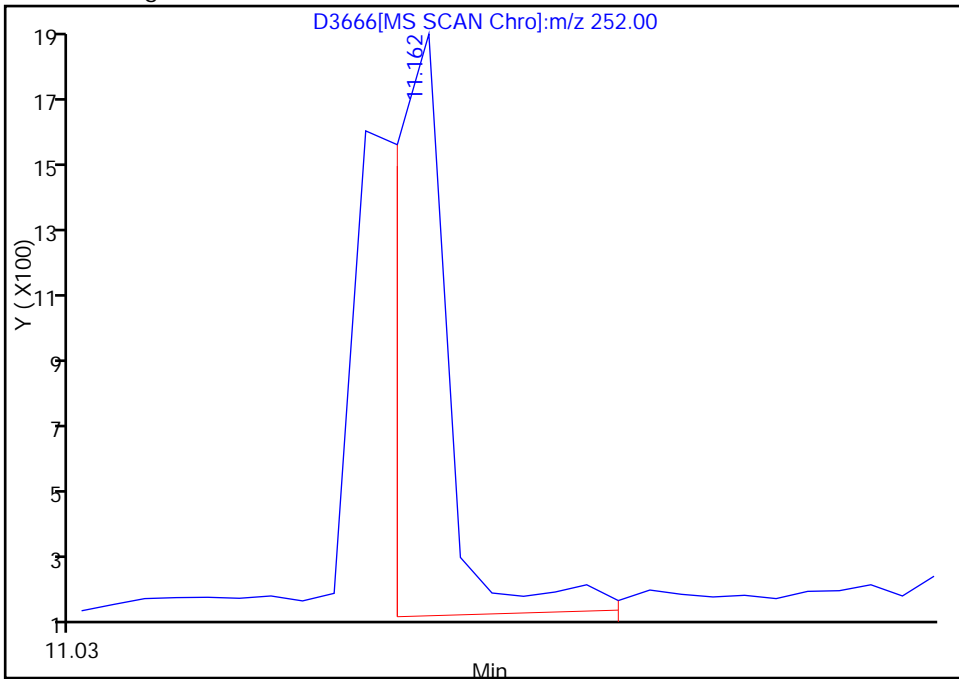
RT: 11.16  
Response: 3298  
Amount: 0.500000

Processing Integration Results



RT: 11.16  
Response: 2559  
Amount: 0.444142

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

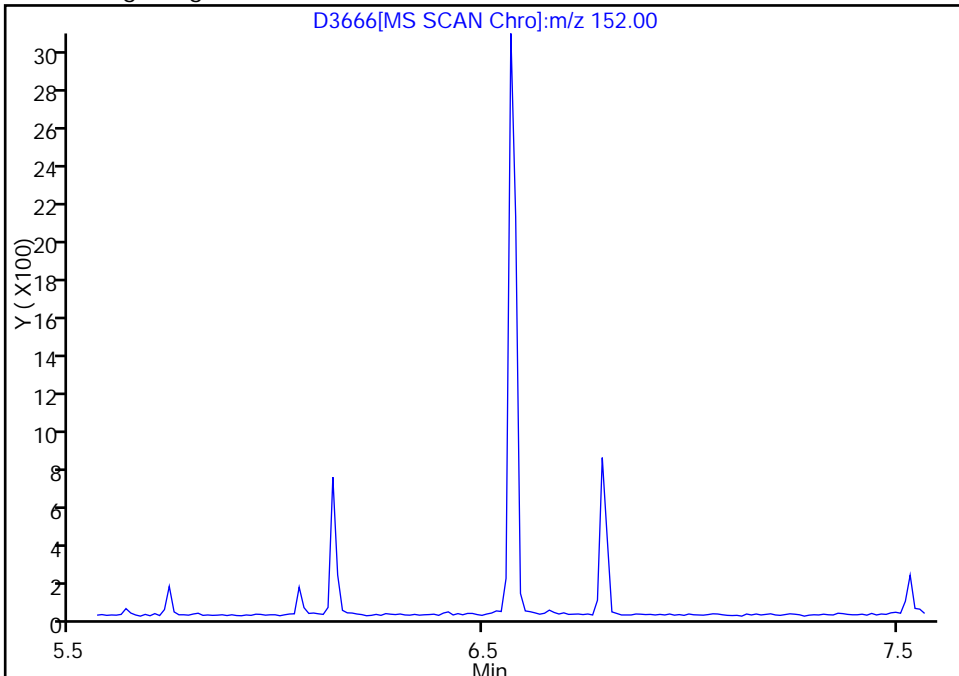


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

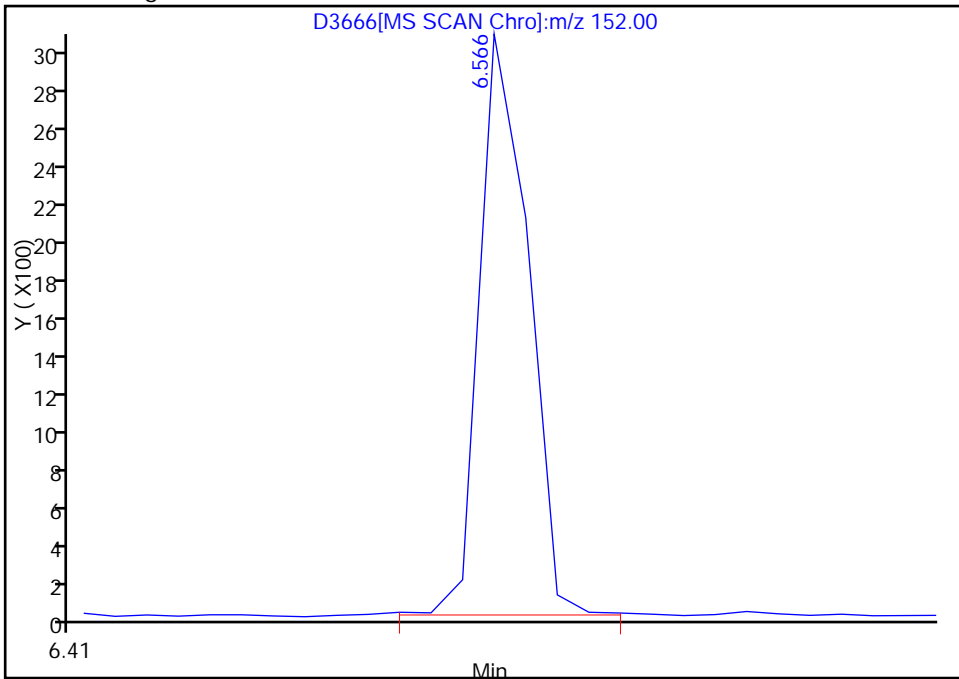
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 3772  
Amount: 0.525770



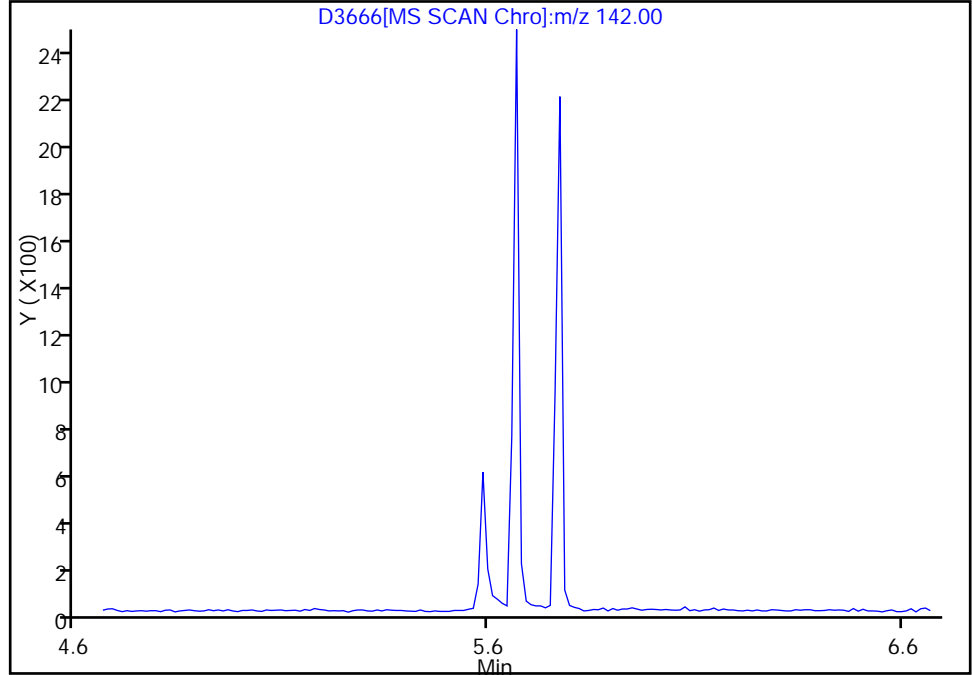
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

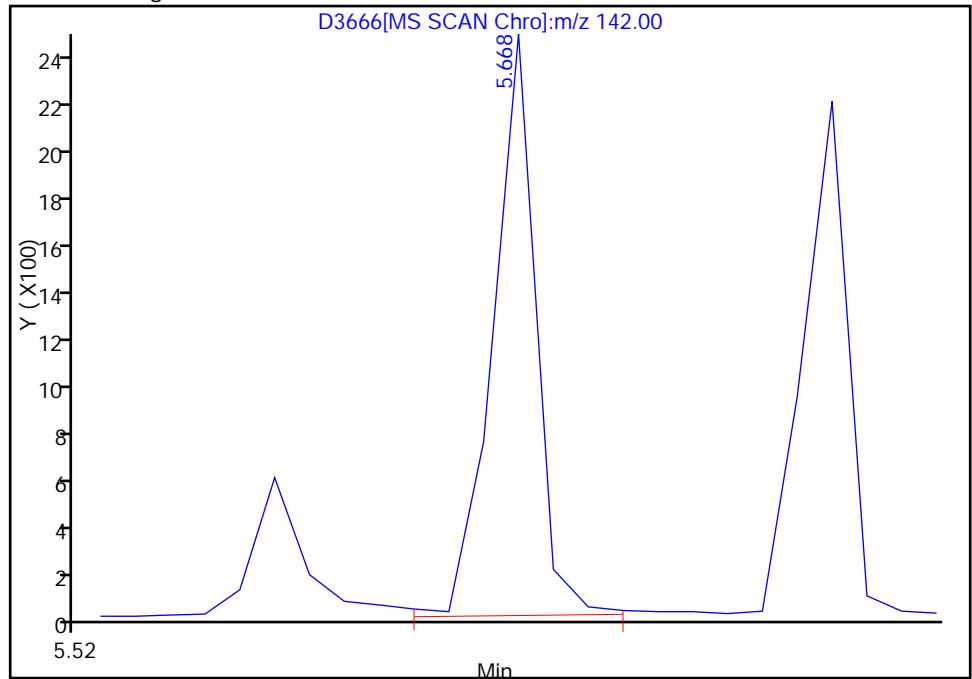
Not Detected  
Expected RT: 5.67

Processing Integration Results



RT: 5.67  
Response: 2405  
Amount: 0.515150

Manual Integration Results



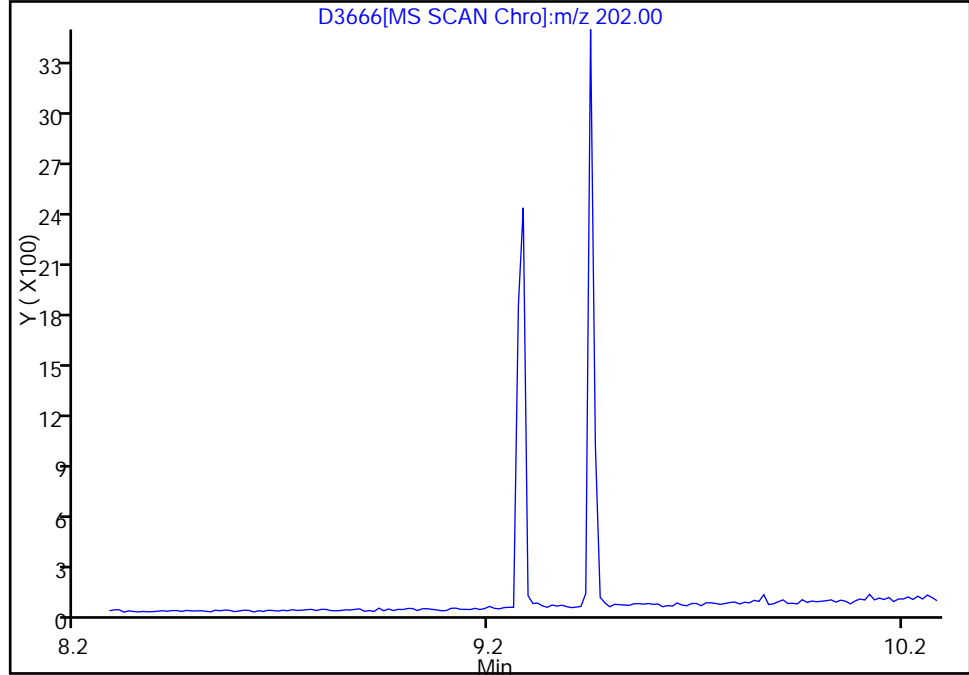
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

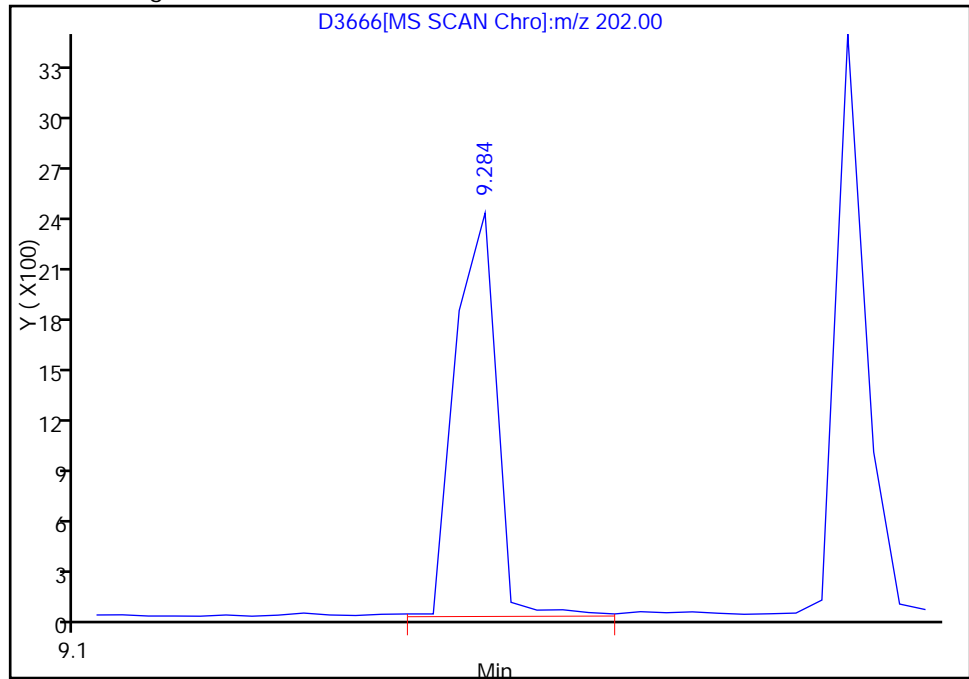
Not Detected  
Expected RT: 9.28

Processing Integration Results



RT: 9.28  
Response: 3013  
Amount: 0.509274

Manual Integration Results



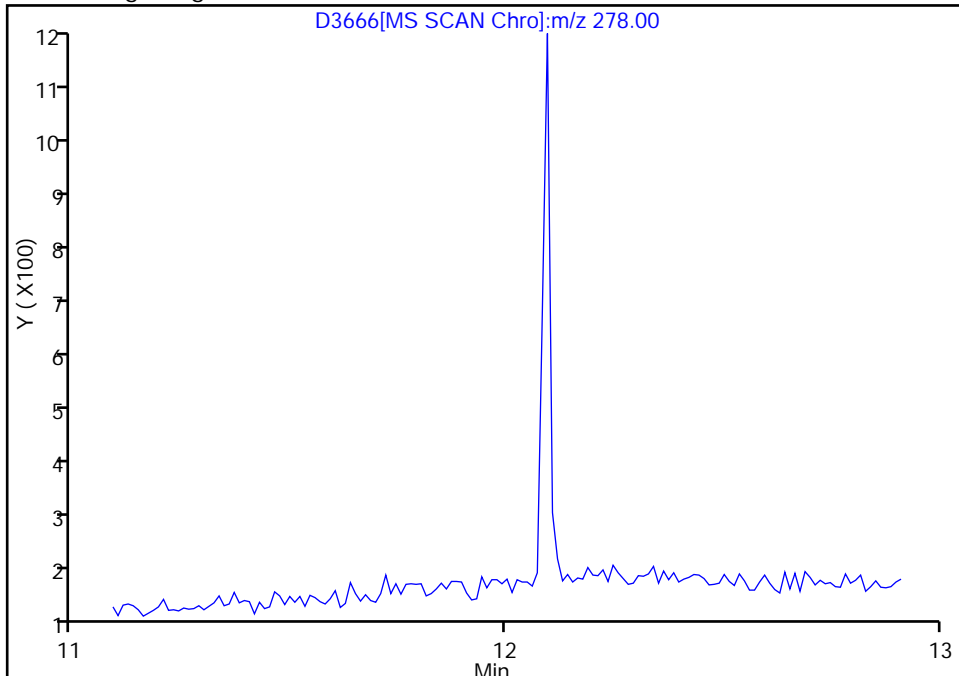
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

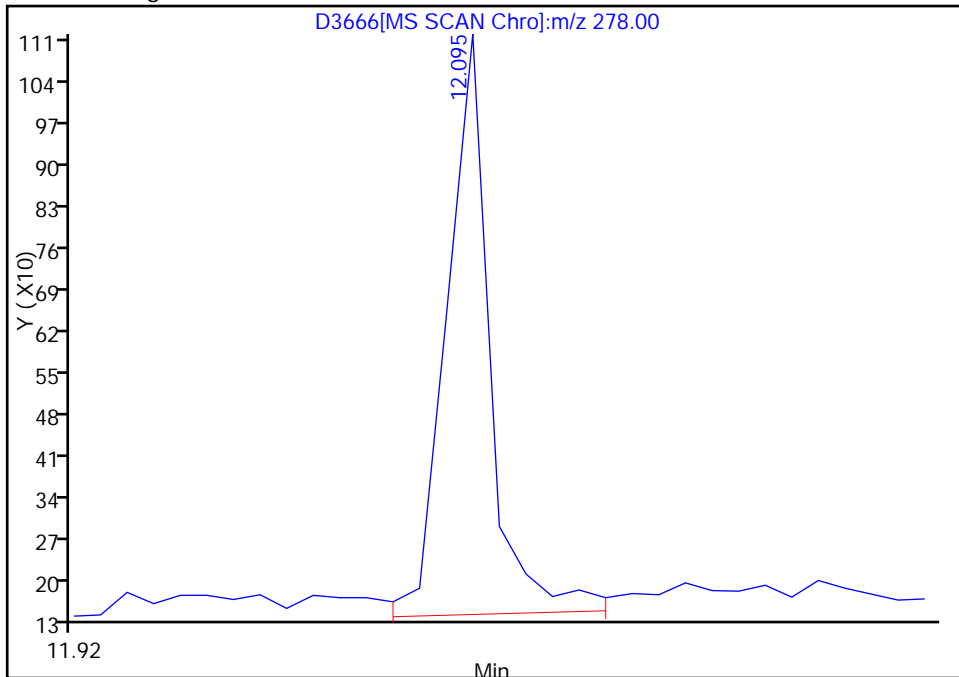
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results



RT: 12.10  
Response: 1293  
Amount: 0.517664

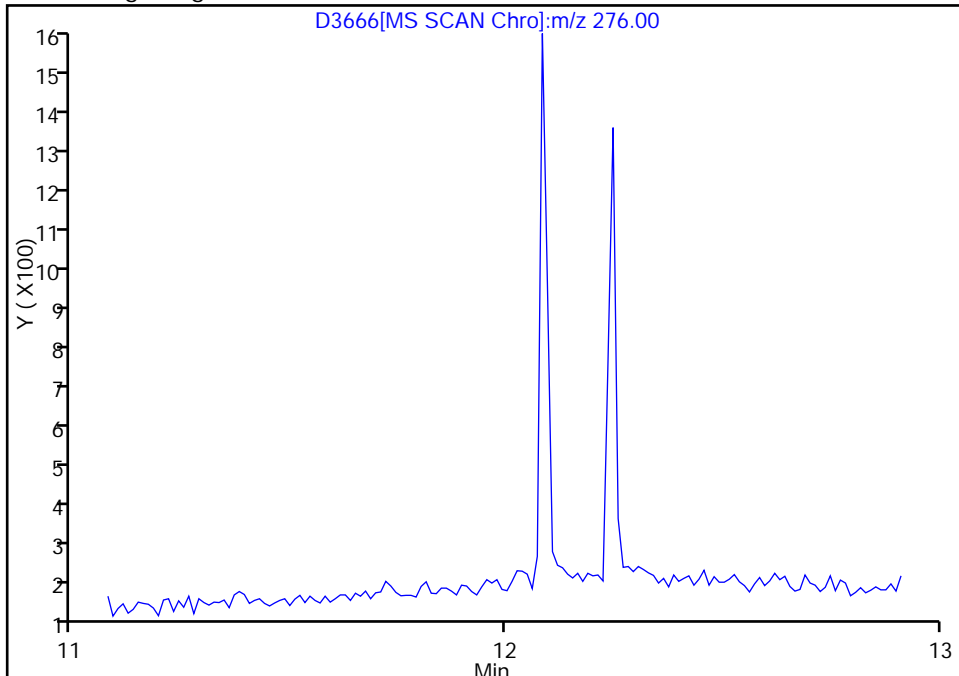
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.08

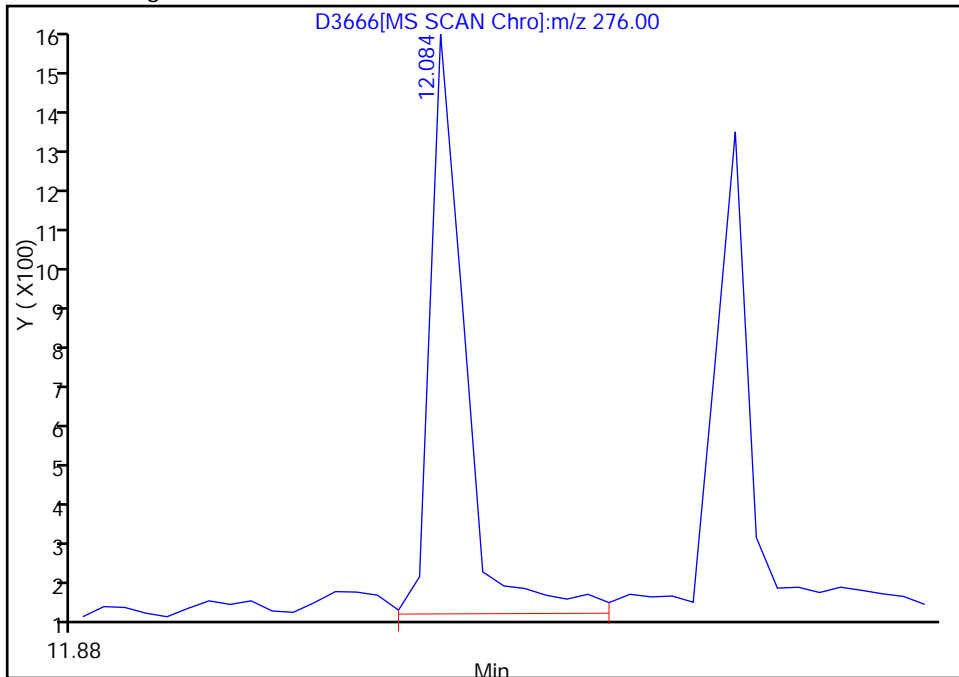
Not Detected  
Expected RT: 12.08

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 1745  
Amount: 0.535721



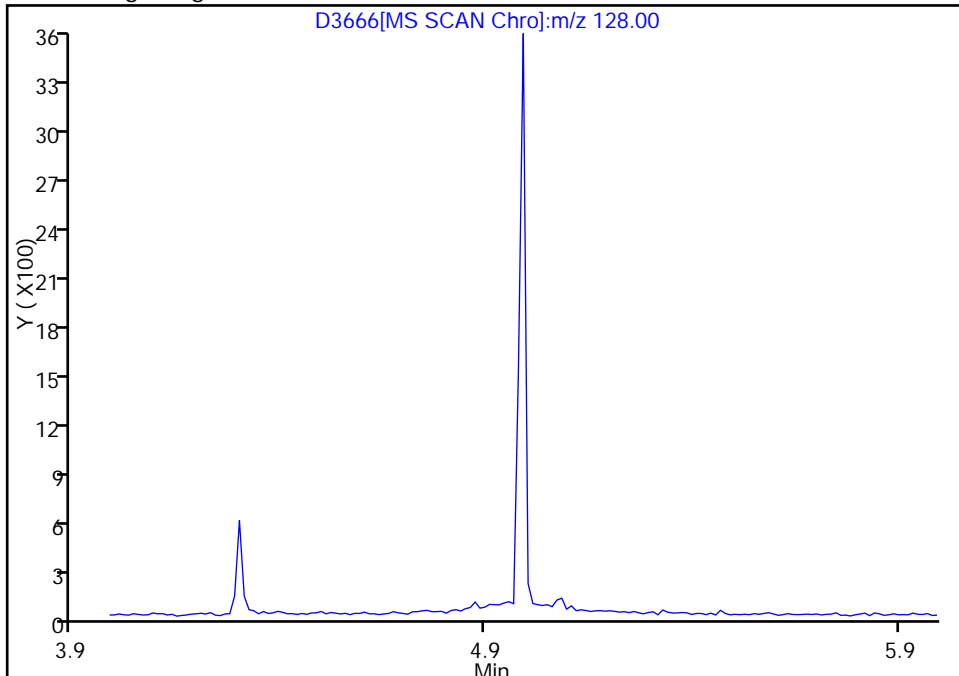
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

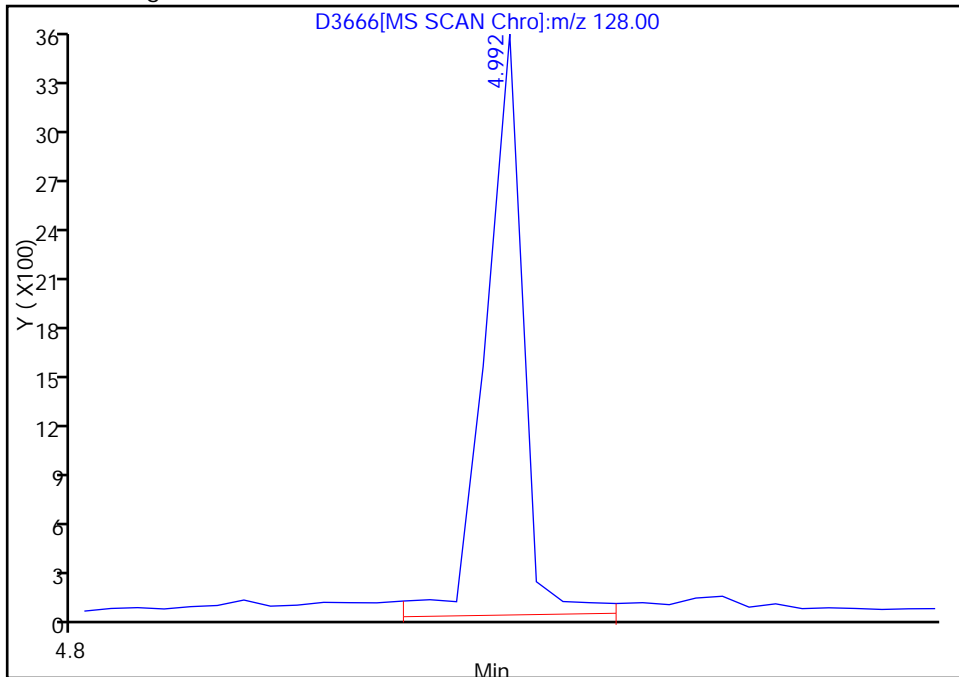
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 3995  
Amount: 0.548619



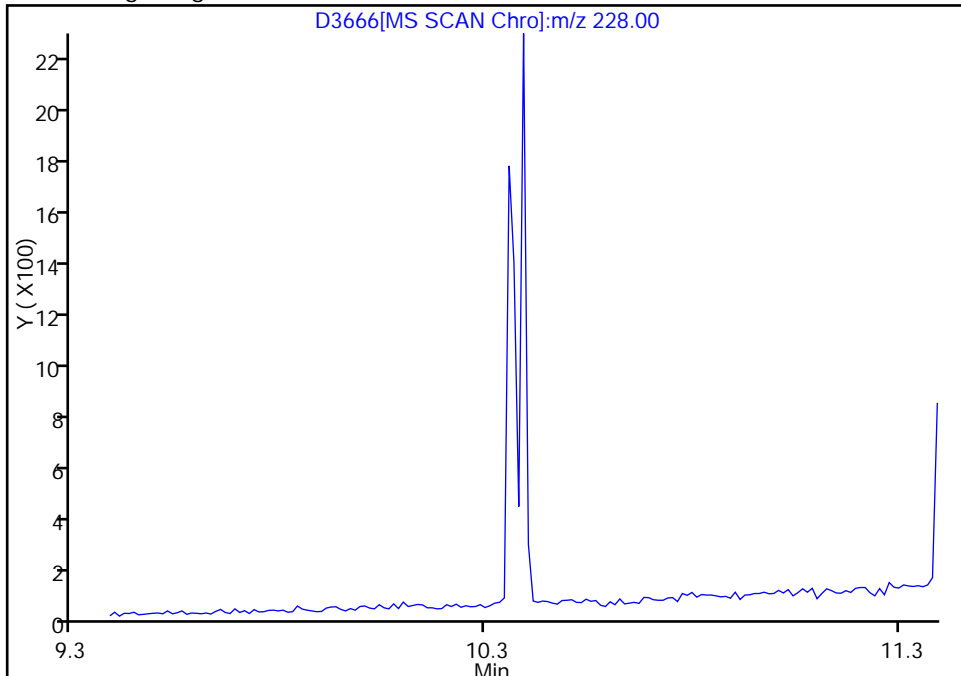
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

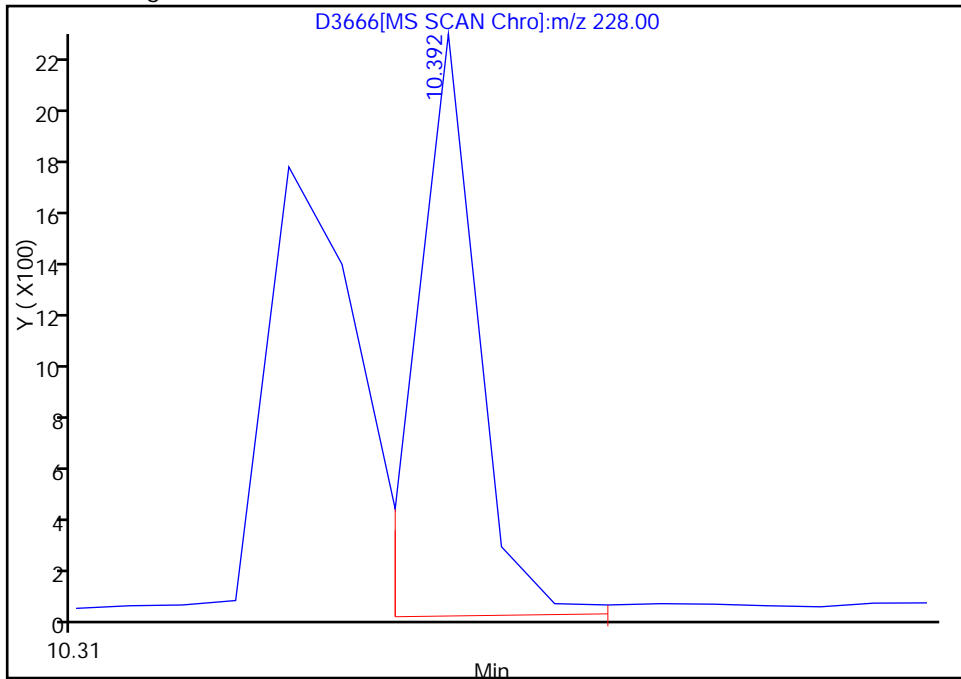
Not Detected  
Expected RT: 10.39

Processing Integration Results



RT: 10.39  
Response: 2086  
Amount: 0.534960

Manual Integration Results



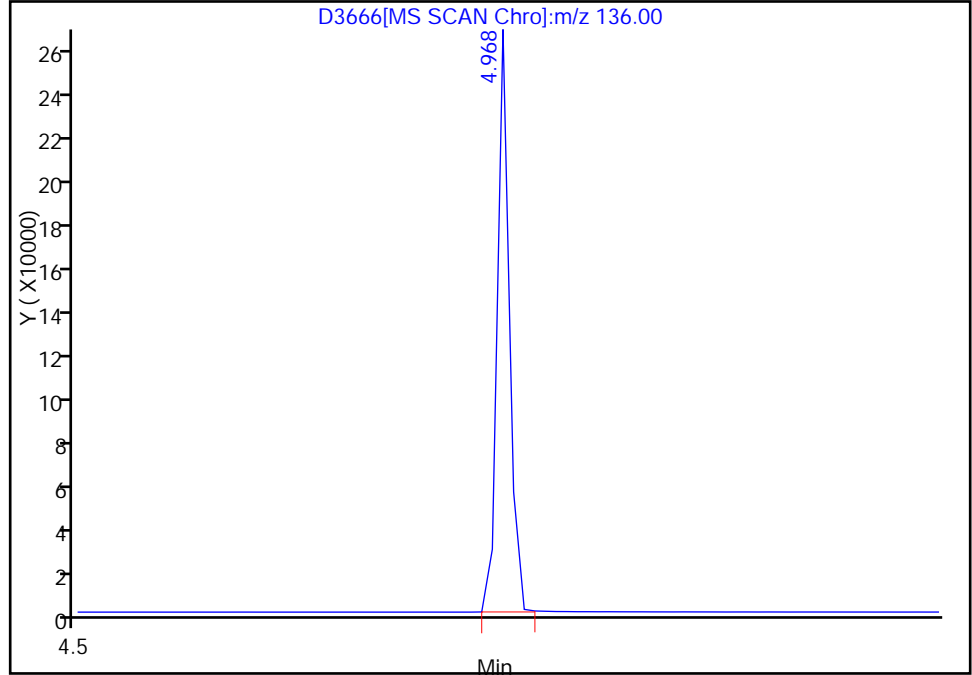
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

\* 57 Naphthalene-d8, Signal: 1, m/z: 136.0 Type: quant, RT: 4.97

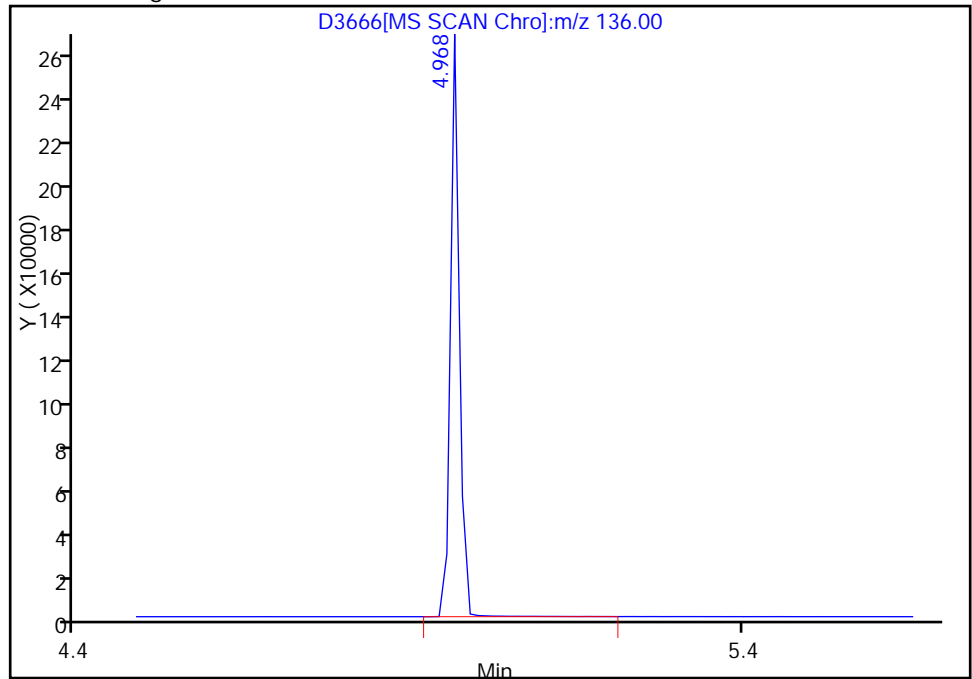
RT: 4.97  
Response: 243897  
Amount: 40.000000

Processing Integration Results



RT: 4.97  
Response: 245872  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

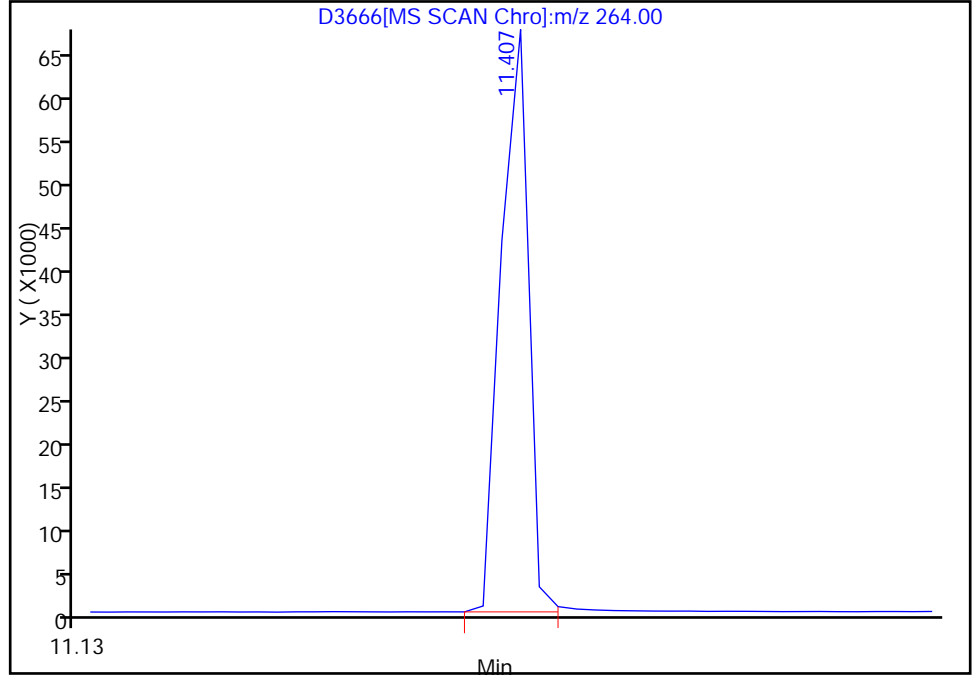


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

\* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.41

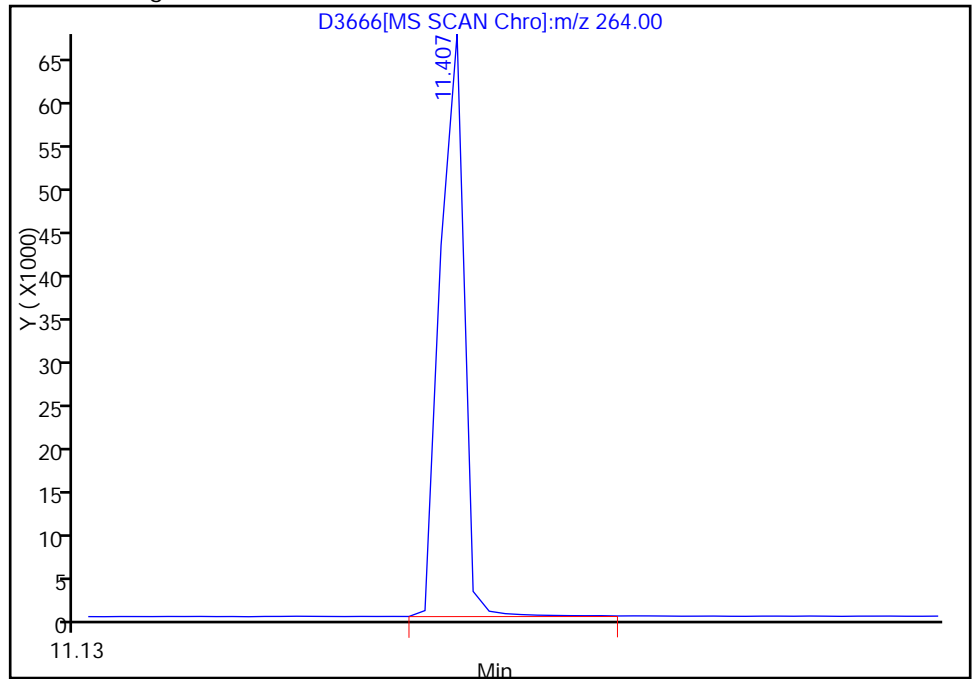
RT: 11.41  
Response: 80641  
Amount: 40.000000

Processing Integration Results



RT: 11.41  
Response: 81548  
Amount: 40.000000

Manual Integration Results



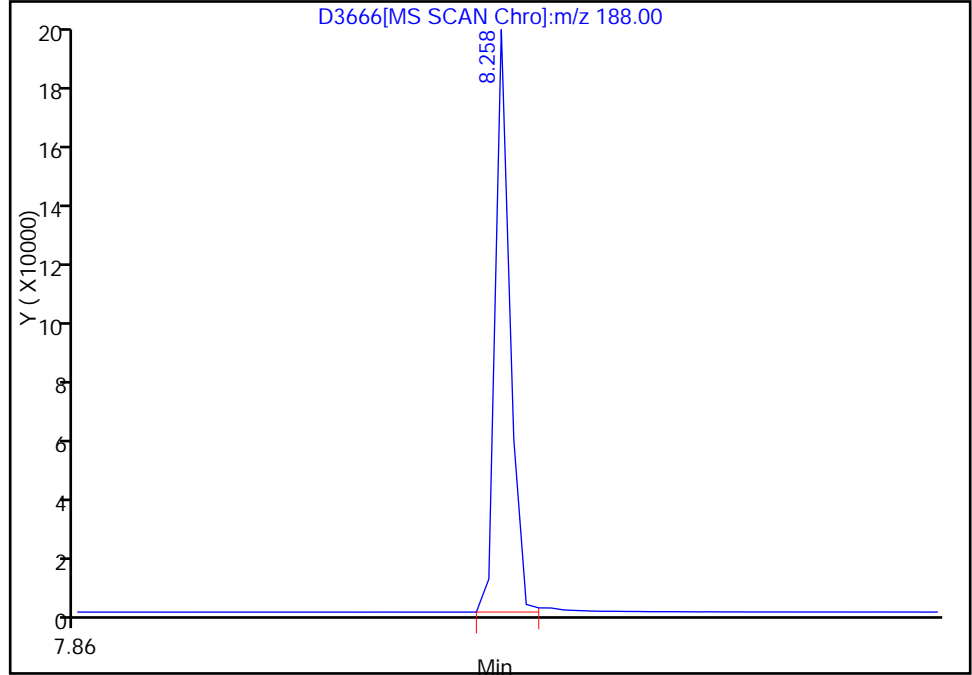
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

\* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 8.26

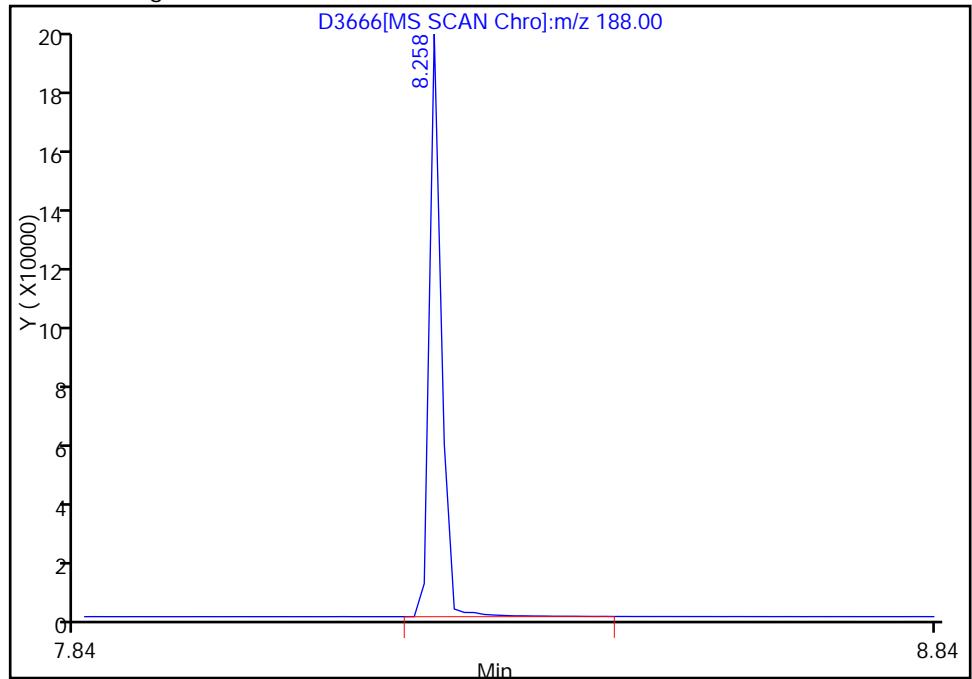
RT: 8.26  
Response: 191106  
Amount: 40.000000

Processing Integration Results



RT: 8.26  
Response: 194648  
Amount: 40.000000

Manual Integration Results



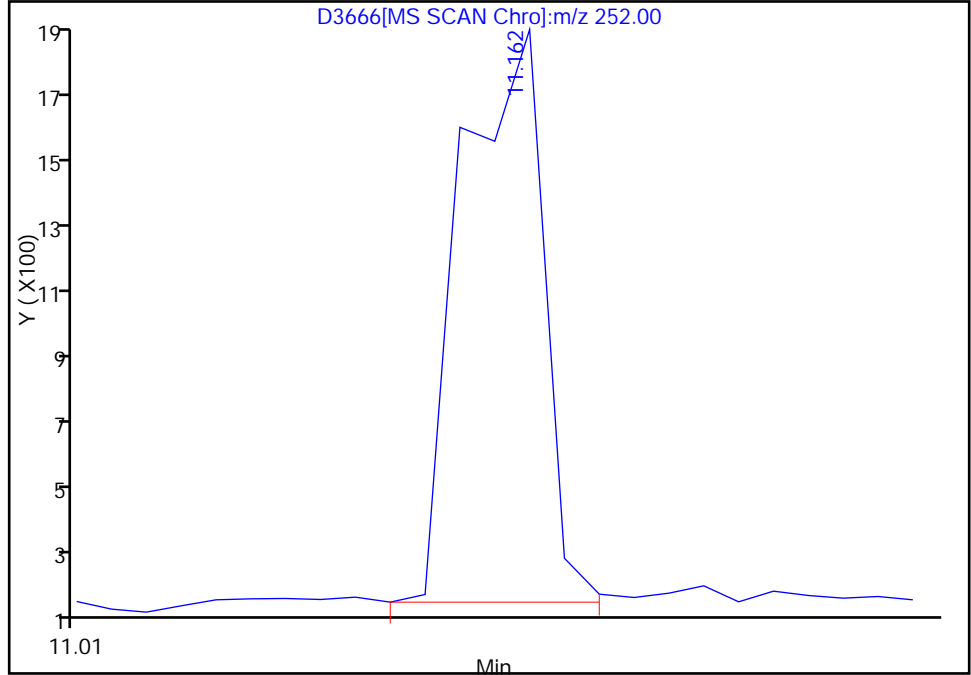
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

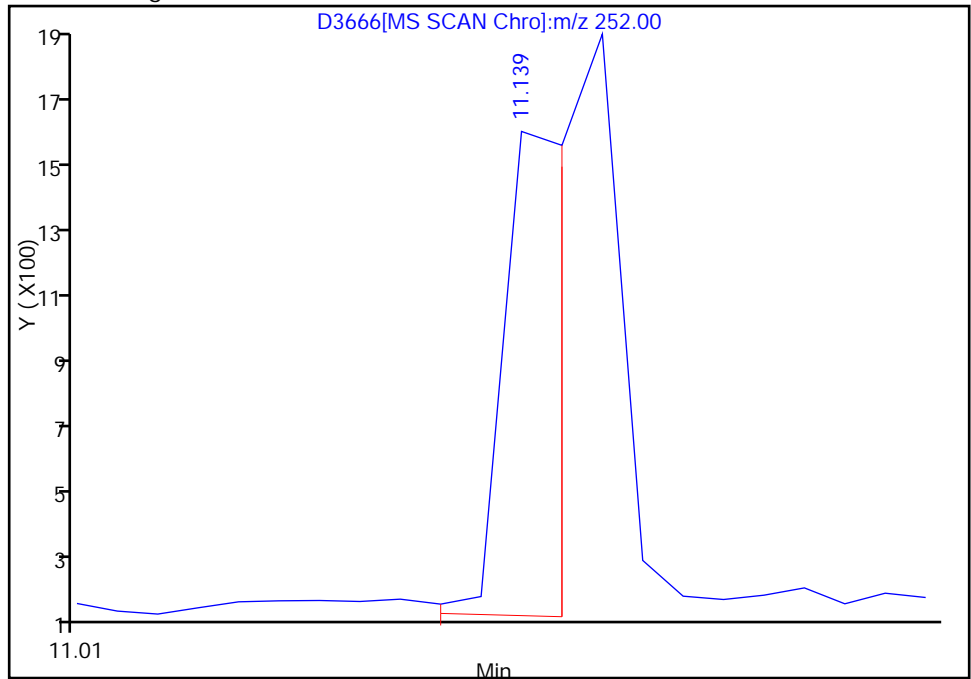
RT: 11.16  
Response: 3298  
Amount: 0.500000

Processing Integration Results



RT: 11.14  
Response: 2077  
Amount: -1.225757

Manual Integration Results



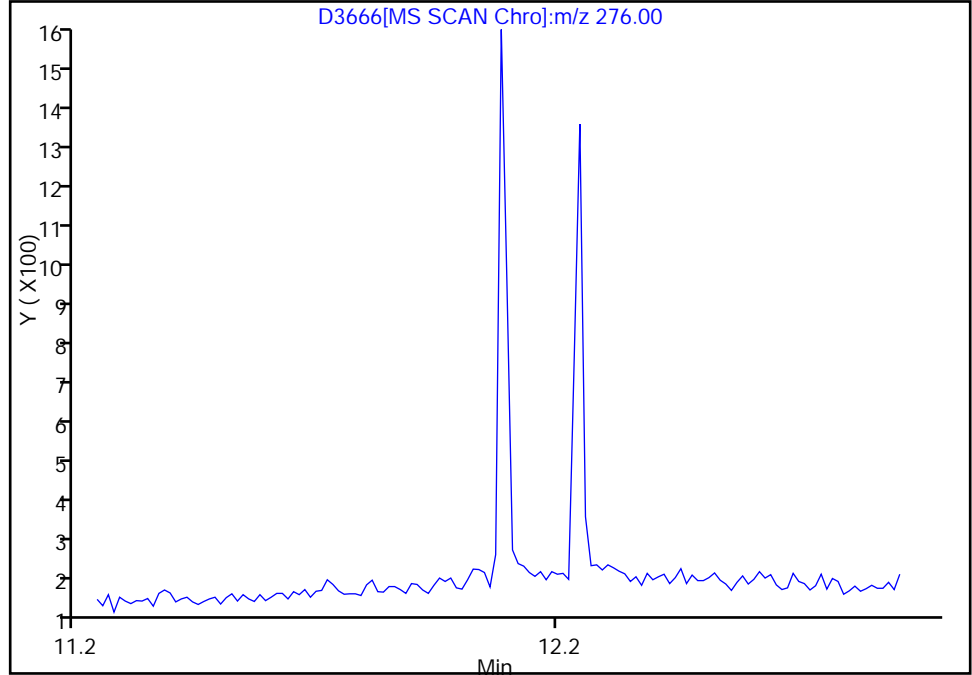
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

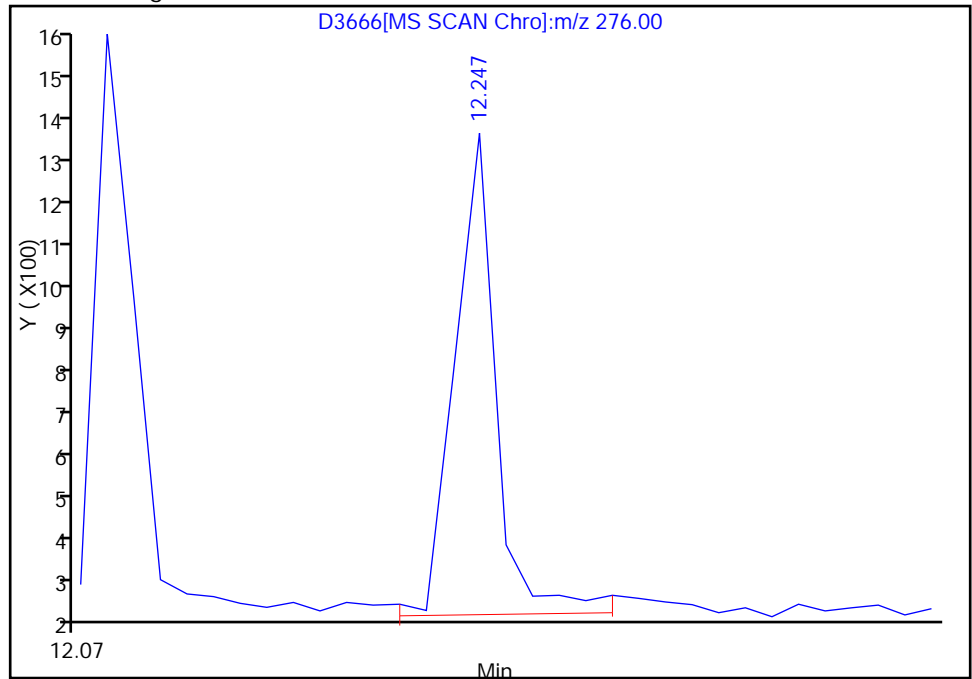
Not Detected  
Expected RT: 12.25

Processing Integration Results



RT: 12.25  
Response: 1365  
Amount: 0.502156

Manual Integration Results



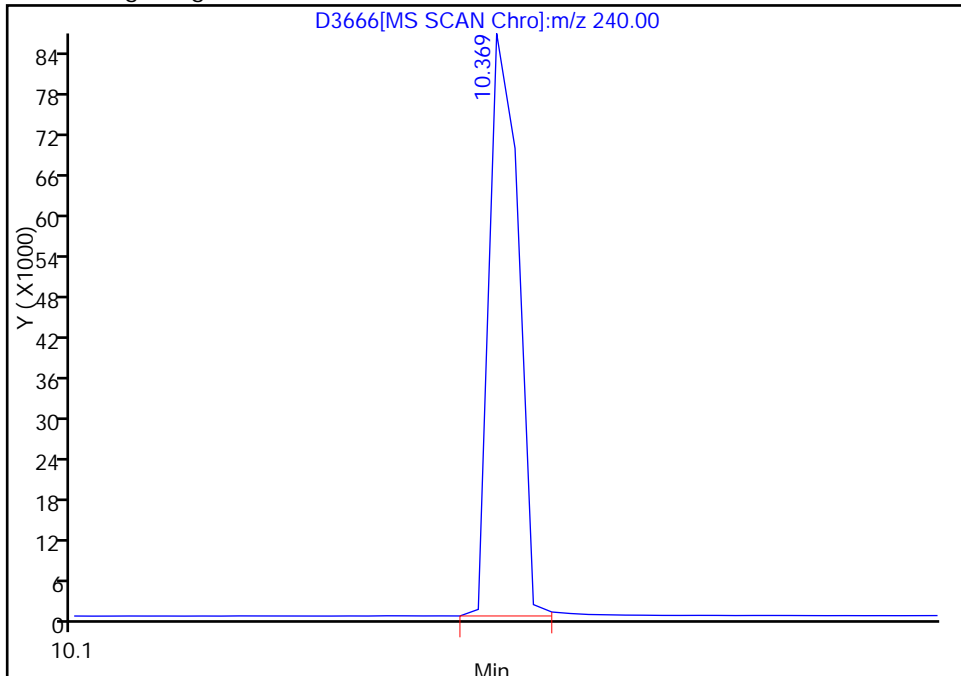
Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
Injection Date: 29-Jan-2012 11:11:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 2  
Operator ID: WDS Injection Vol: 1.00 ul

\* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.37

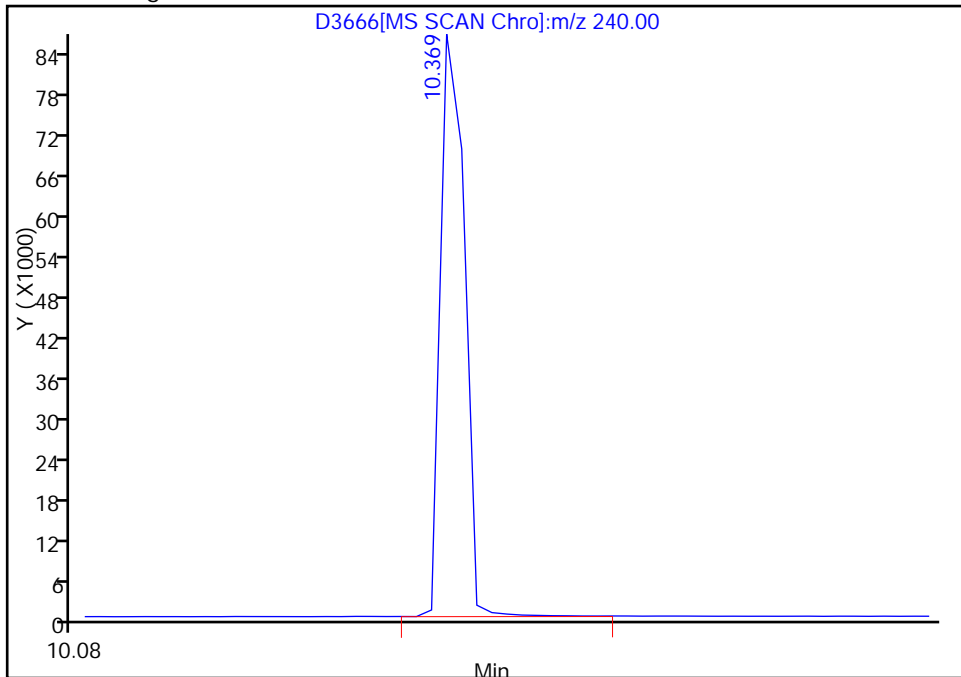
RT: 10.37  
Response: 111480  
Amount: 40.000000

Processing Integration Results



RT: 10.37  
Response: 112459  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 11:27:34  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
 Lims ID: sstd001 Client ID:  
 Inject. Date: 29-Jan-2012 11:29:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: SSTD001  
 Misc. Info.: 510-0006247-003 =510-0006247-003  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 3  
 Lims Batch ID: 93035 Lims Sample ID: 3  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 19:48:50 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 19:48:50

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.744	3.743	0.001	1	87537	40.0	70.0- 130.0	100.0
	115	3.744	3.743	0.001		43917		20.2- 80.2	50.2
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	1974	0.6374	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		6665		1587.0-1647.0	337.6 M
	54	4.968	4.303	0.665		22014		252.0- 312.0	1115.2 M
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	251787	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.992	4.992	0.000	0	6732	0.9028	70.0- 130.0	100.0 M
	129	0.0	4.992	-4.992		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	4636	0.9697	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	5559	1.07		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	7047	0.9485	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	138029	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		124866		59.3- 119.3	90.5

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	1	3635	1.00	70.0- 130.0	100.0	
152	6.788	6.788	0.000		1688		16.5- 76.5	46.4	
154	6.788	6.788	0.000		3438		68.8- 128.8	94.6	
80 Fluorene									
166	7.360	7.359	0.001	18	4485	0.9621	70.0- 130.0	100.0	
165	7.360	7.359	0.001		4182		57.6- 117.6	93.2	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	206631	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.281	8.281	0.000	1	5528	0.9769	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	5399	0.9607	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.273	9.273	0.000	0	6164	0.9815	70.0- 130.0	100.0	M
101	0.0	9.273	-9.273		0		0.0- 39.8		
97 Pyrene									
202	9.448	9.448	0.000	0	6527	1.00	70.0- 130.0	100.0	M
101	0.0	9.448	-9.448		0		0.0- 39.9		
\$ 98 Terphenyl-d14									
244	9.588	9.587	0.001	1	3186	0.9216	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	6241	0.9719	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	152128	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	10.392	10.392	0.000	0	4906	0.9301	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.151	11.151	0.000	1	5867	-0.8473	70.0- 130.0	100.0	M
253	11.151	11.151	0.000		1941		0.0- 53.8	33.1	
107 Benzo[k]fluoranthene									
252	11.151	11.151	0.000	1	7186	0.8439	70.0- 130.0	100.0	M
253	11.151	11.151	0.000		1941		0.0- 53.8	27.0	
108 Benzo[a]pyrene									
252	11.361	11.349	0.012	1	4226	0.9878	70.0- 130.0	100.0	
253	11.361	11.349	0.012		992		0.0- 53.3	23.5	
* 109 Perylene-d12									
264	11.407	11.407	0.000	1	120519	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.095	12.095	0.000	0	4470	0.9286	70.0- 130.0	100.0	M
138	0.0	12.095	-12.095		0		0.0- 50.5		

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	3561	0.9647	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	4000	1.00	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

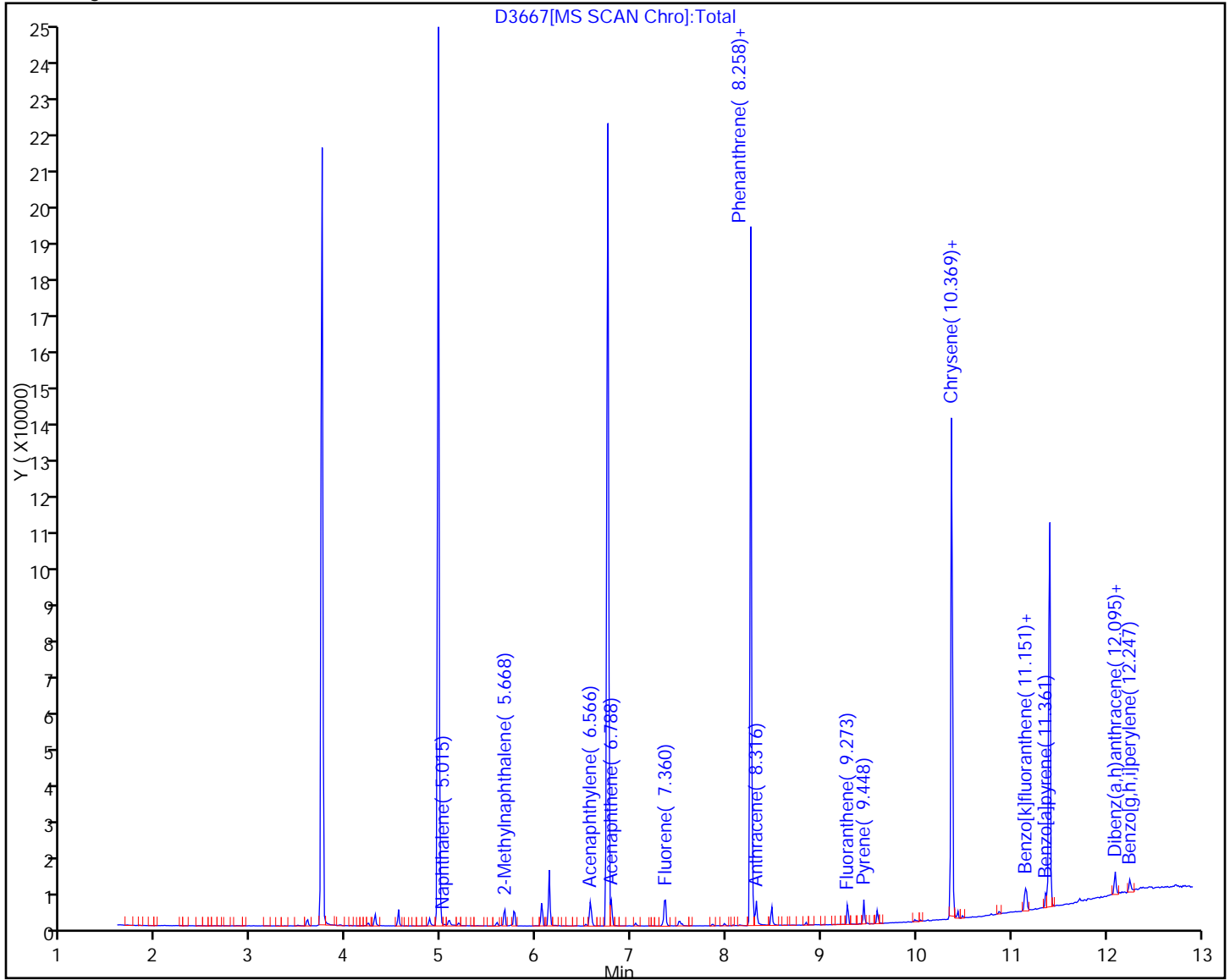
QC Flag Legend

Review Flags

M - Manually Integrated



Y Scaling:

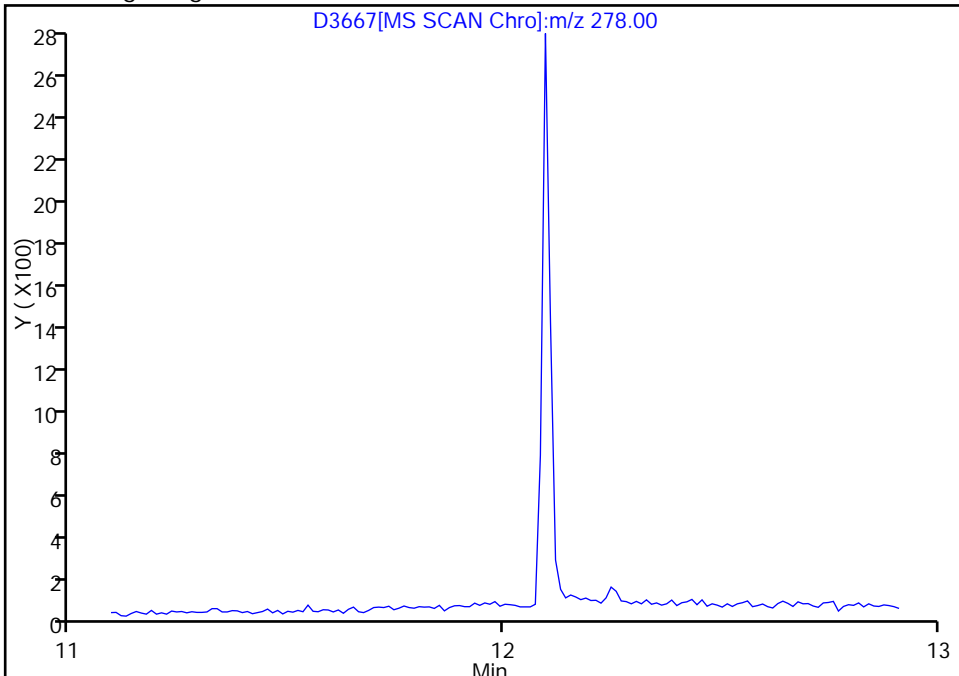


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

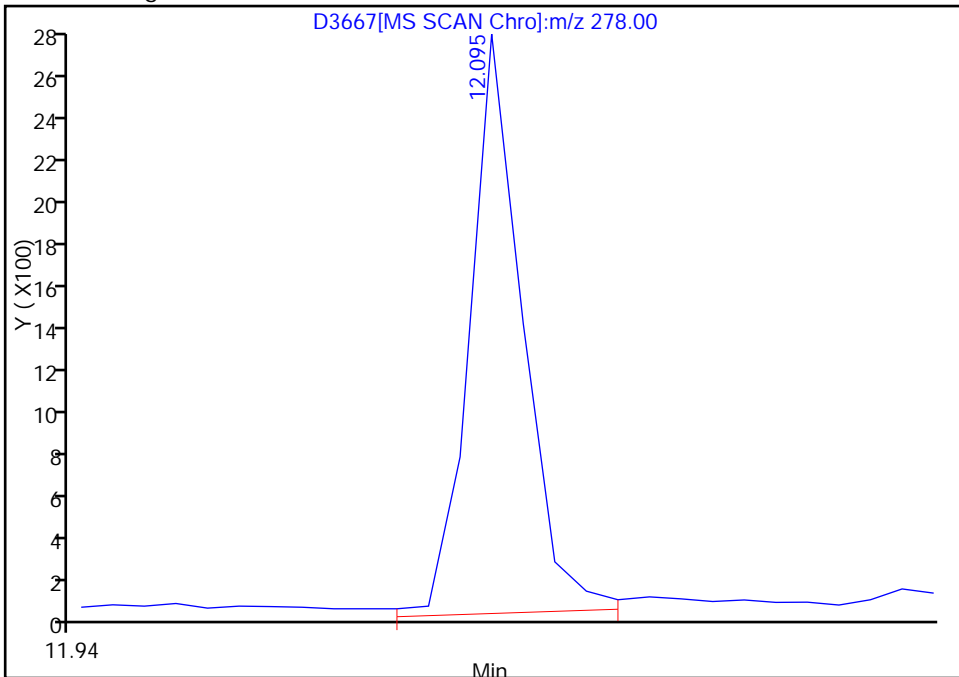
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results



RT: 12.10  
Response: 3561  
Amount: 0.964671

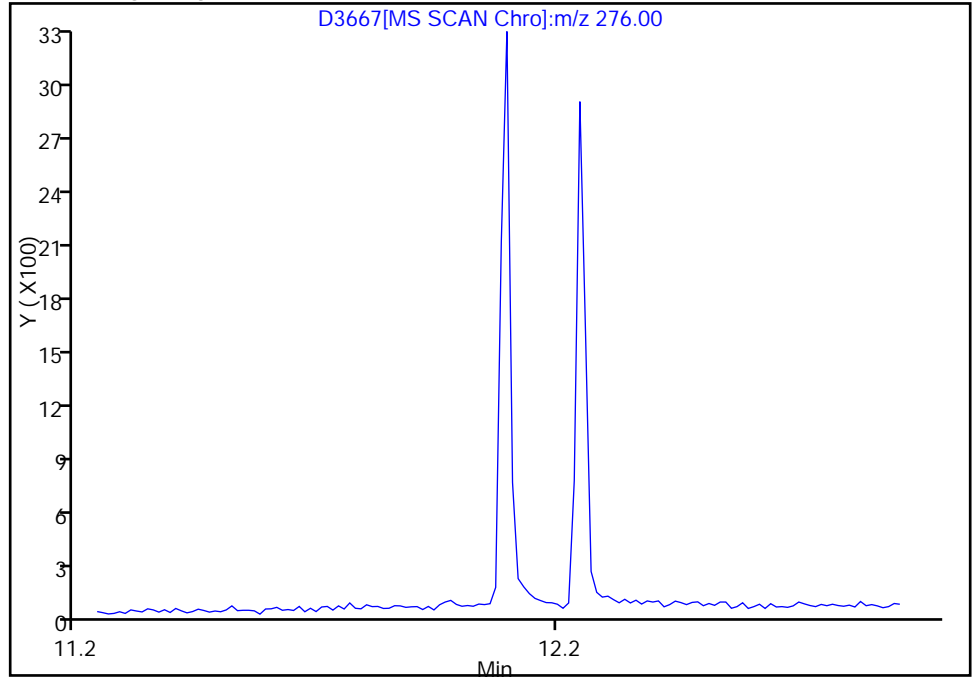
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

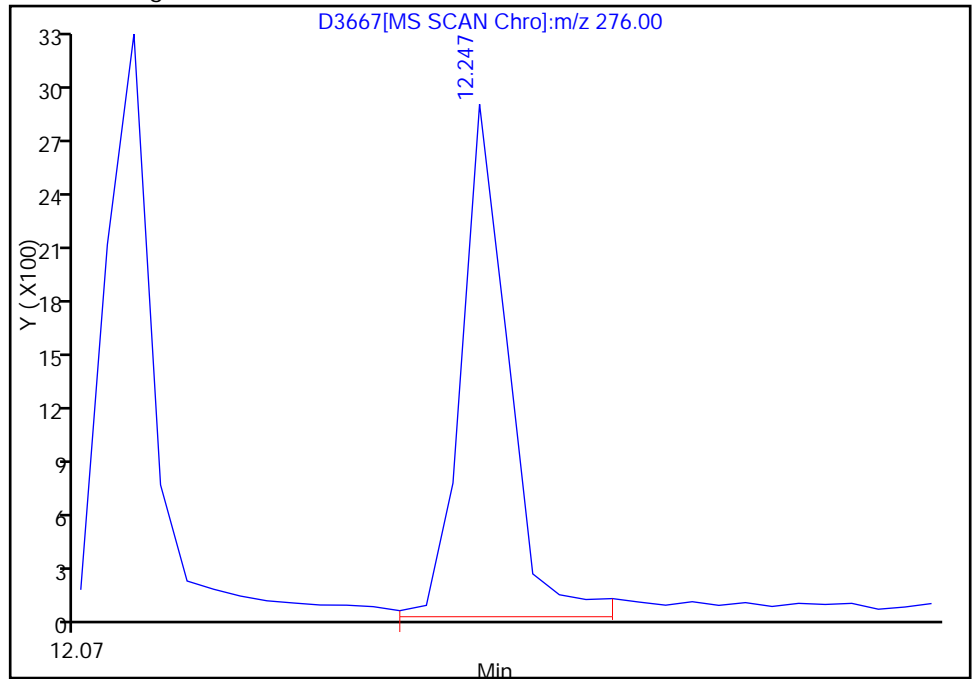
24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

Not Detected  
Expected RT: 12.25

Processing Integration Results



Manual Integration Results



RT: 12.25  
Response: 4000  
Amount: 0.995689

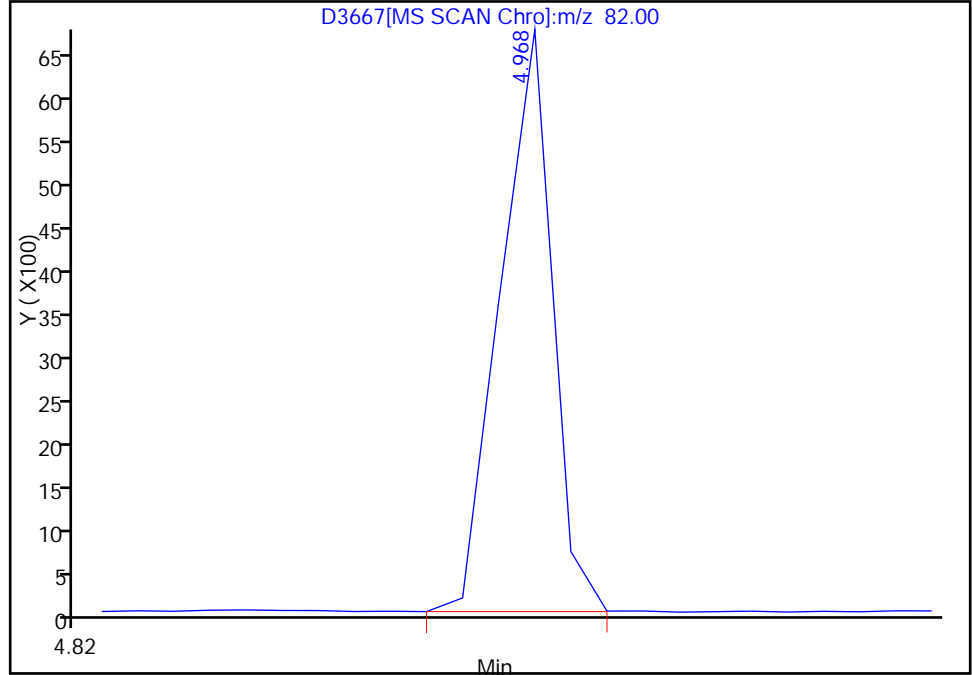
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

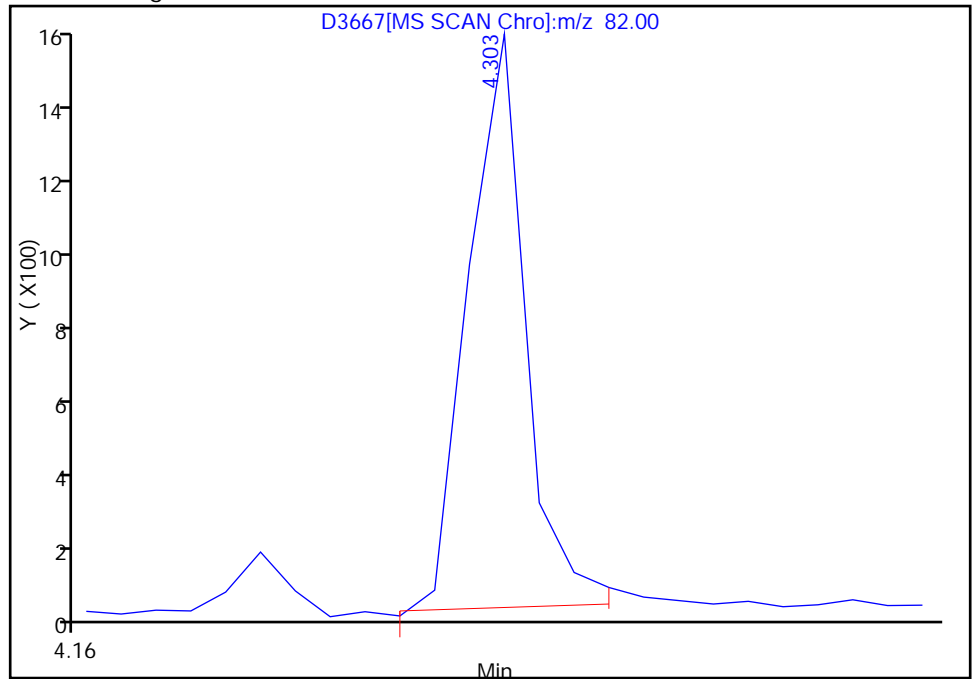
RT: 4.97  
Response: 7741  
Amount: 2.027713

Processing Integration Results



RT: 4.30  
Response: 1974  
Amount: 0.637447

Manual Integration Results



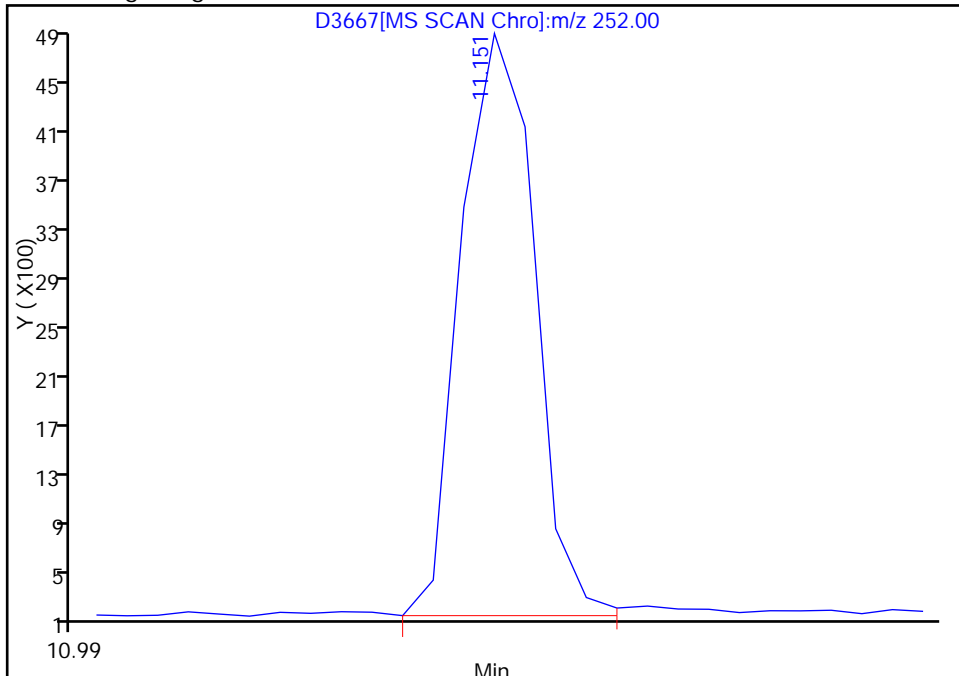
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

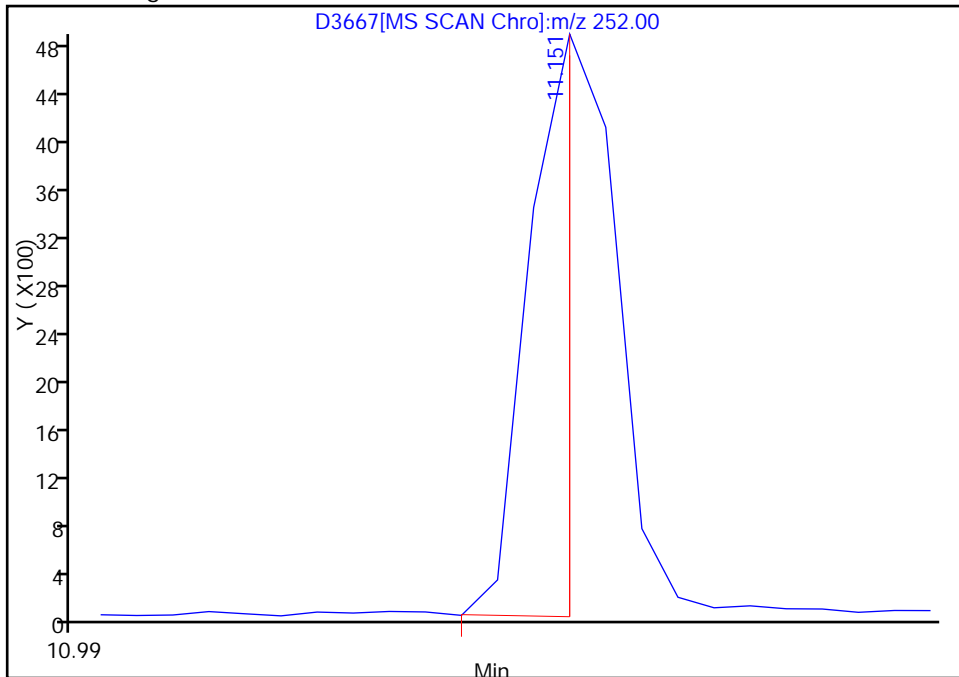
RT: 11.15  
Response: 9296  
Amount: 1.093562

Processing Integration Results



RT: 11.15  
Response: 5867  
Amount: -0.847274

Manual Integration Results



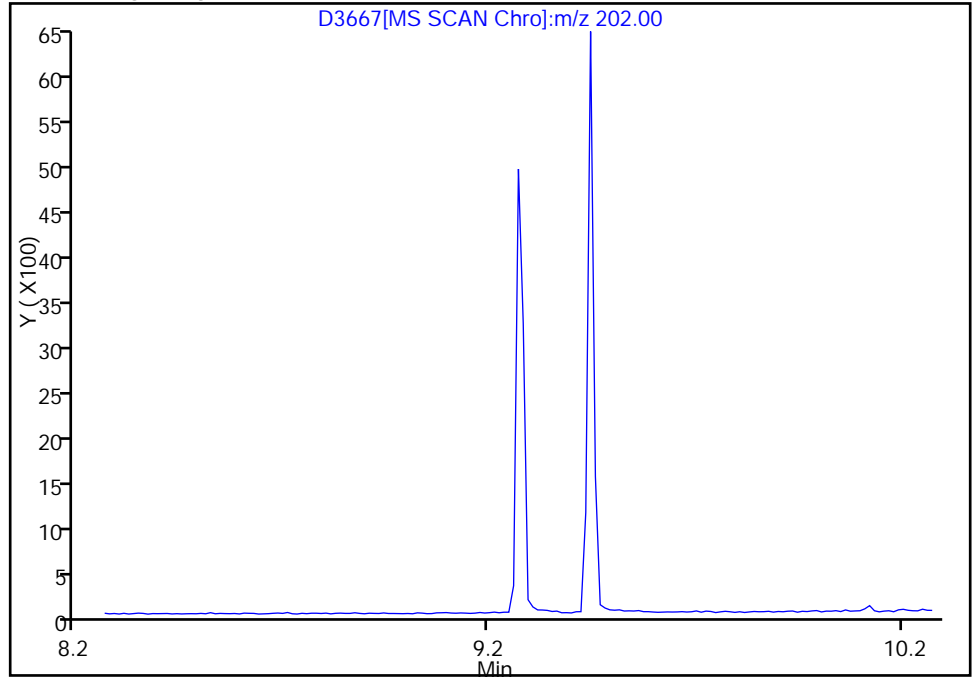
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.27

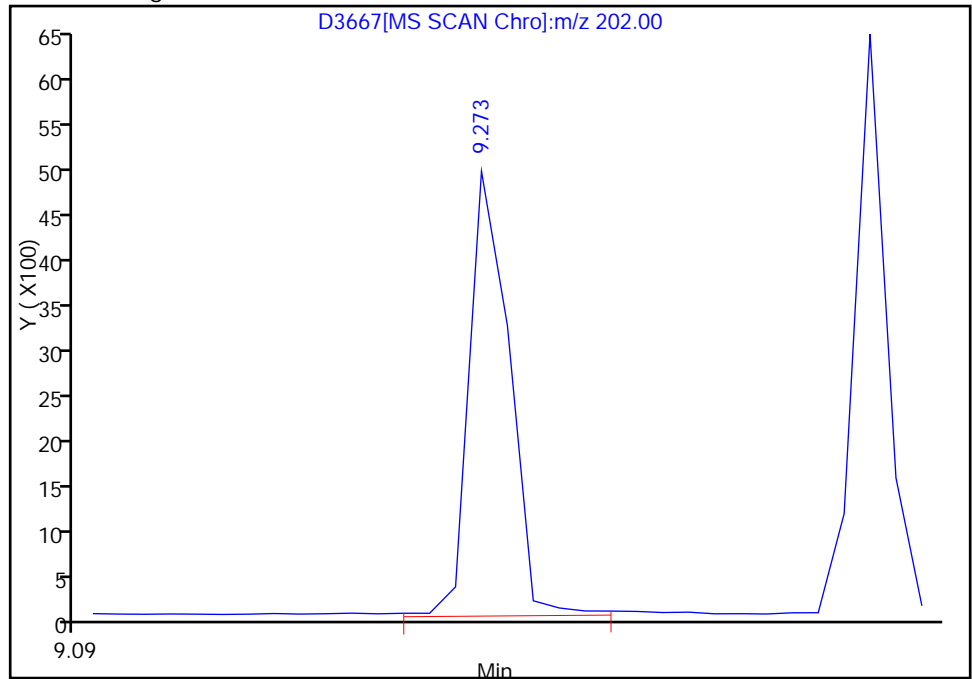
Not Detected  
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.27  
Response: 6164  
Amount: 0.981452



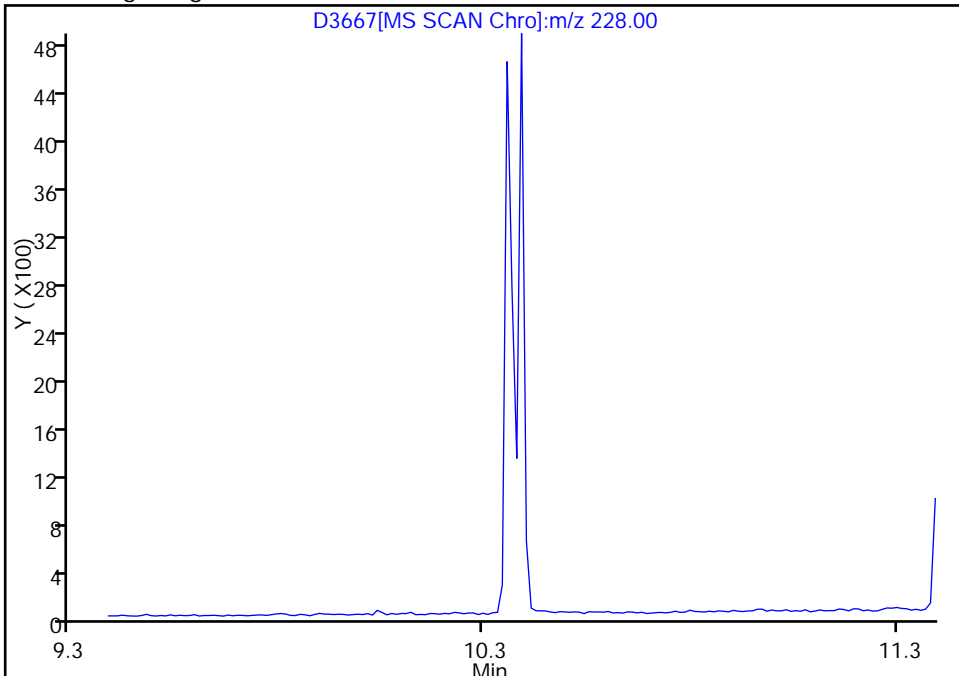
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

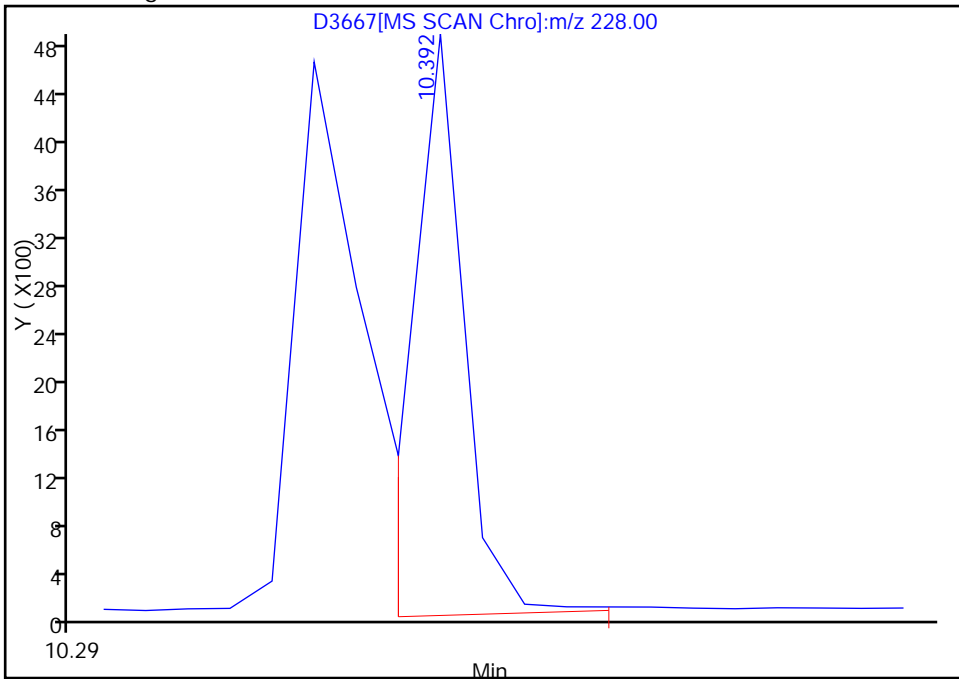
104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results



RT: 10.39  
Response: 4906  
Amount: 0.930079

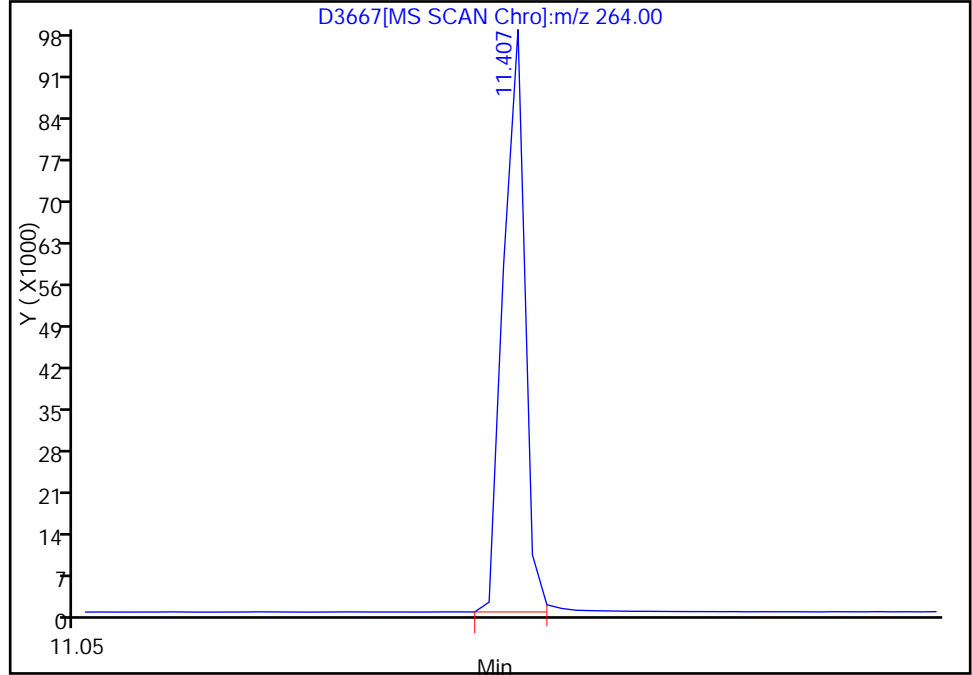
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

\* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.41

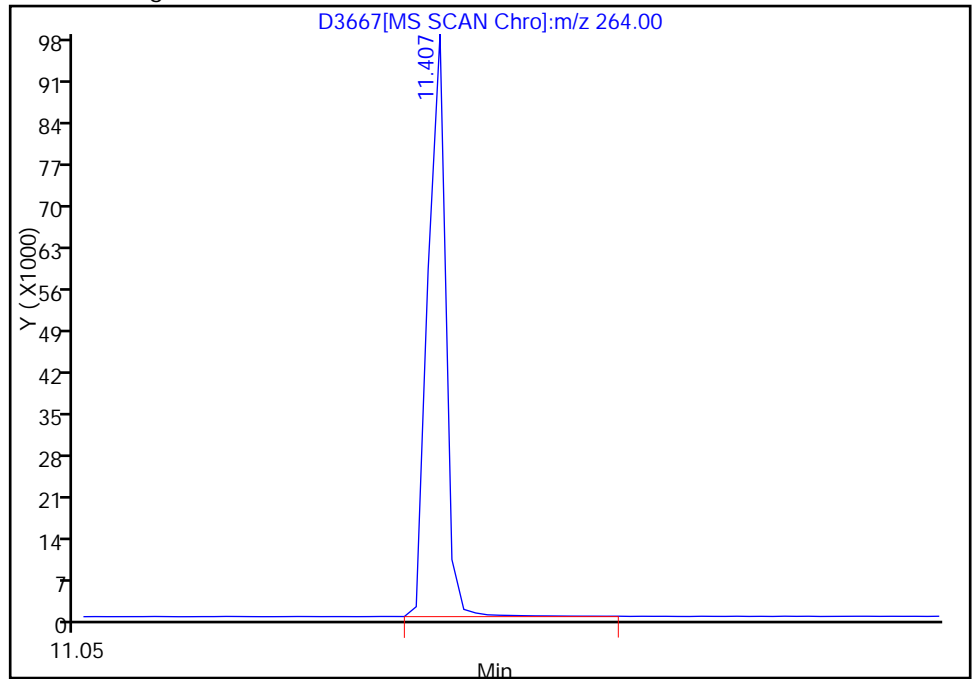
RT: 11.41  
Response: 118897  
Amount: 40.000000

Processing Integration Results



RT: 11.41  
Response: 120519  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

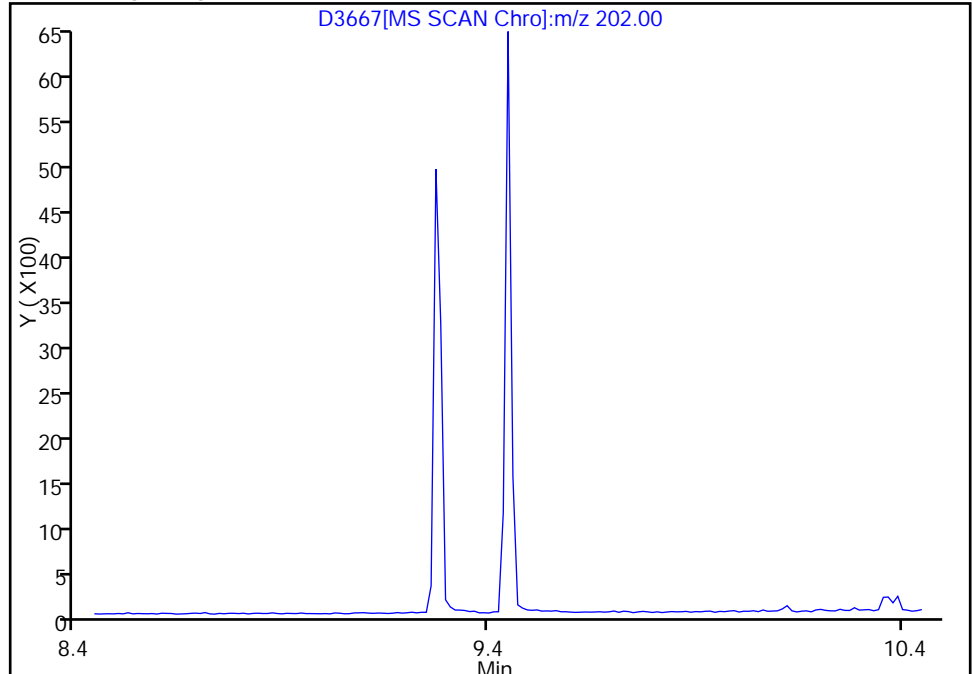


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

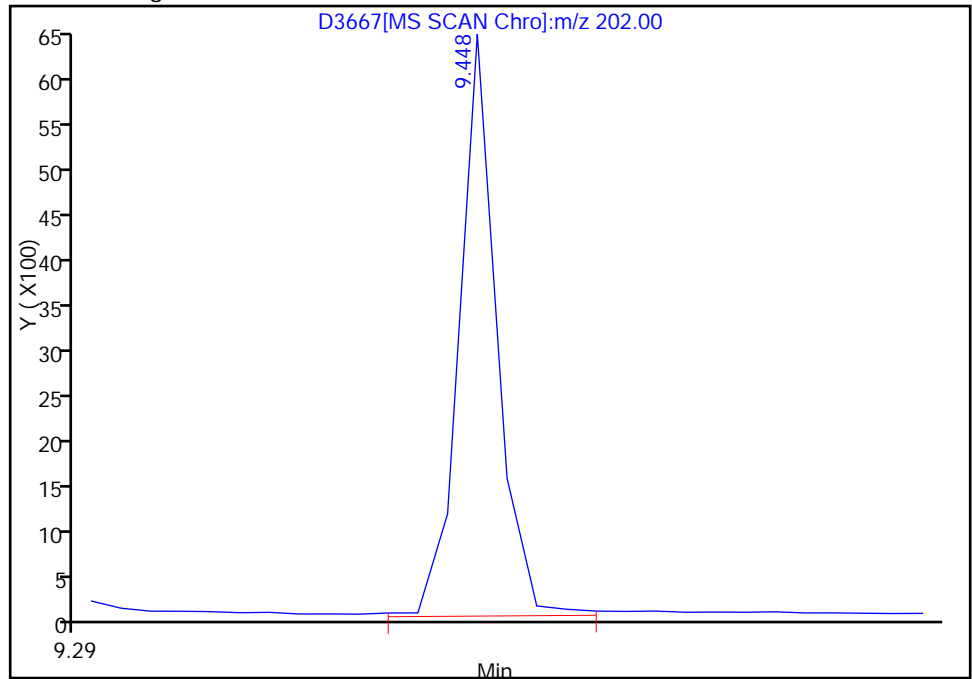
Not Detected  
Expected RT: 9.45

Processing Integration Results



RT: 9.45  
Response: 6527  
Amount: 1.000000

Manual Integration Results



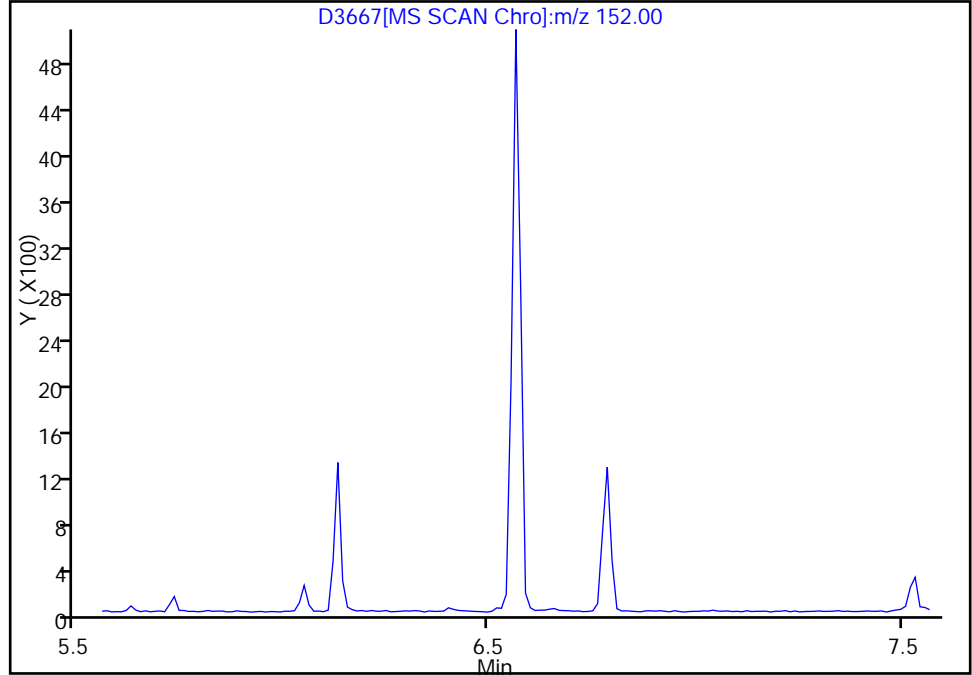
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

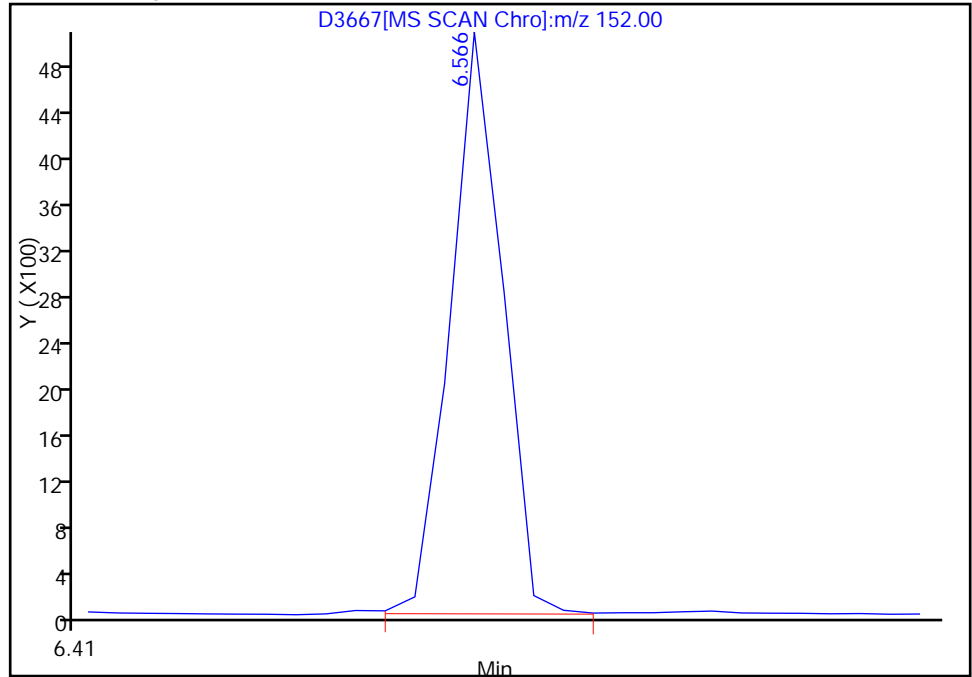
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 7047  
Amount: 0.948461



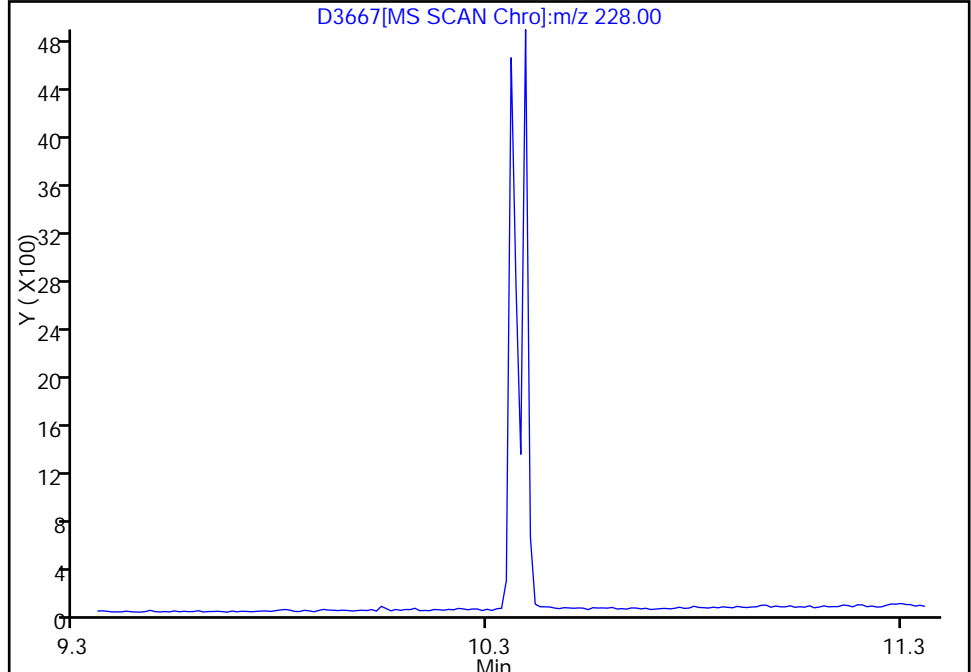
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

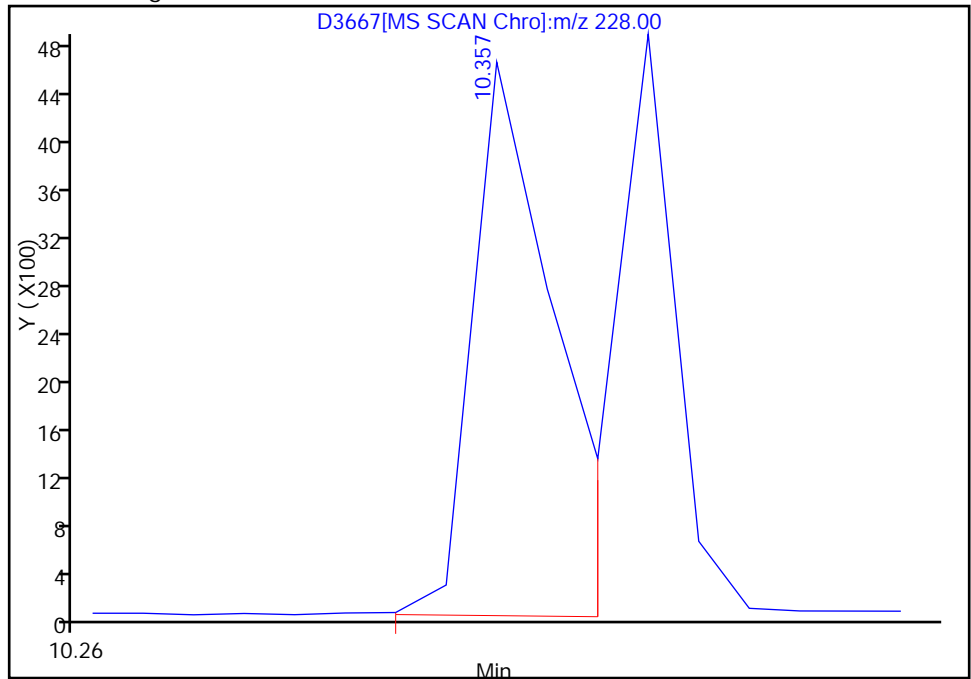
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 6241  
Amount: 0.971938



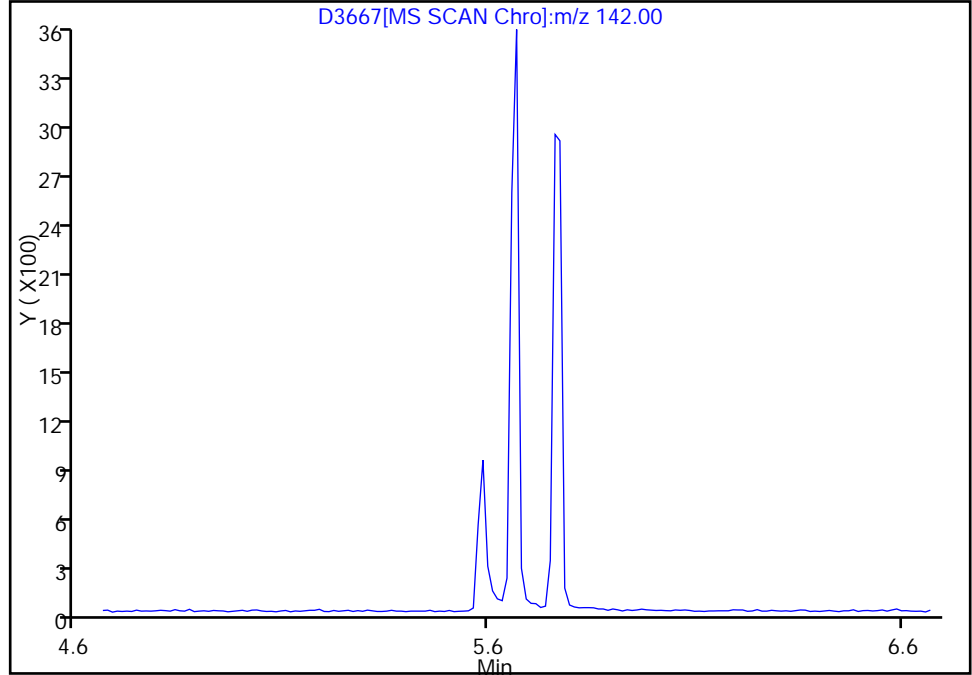
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

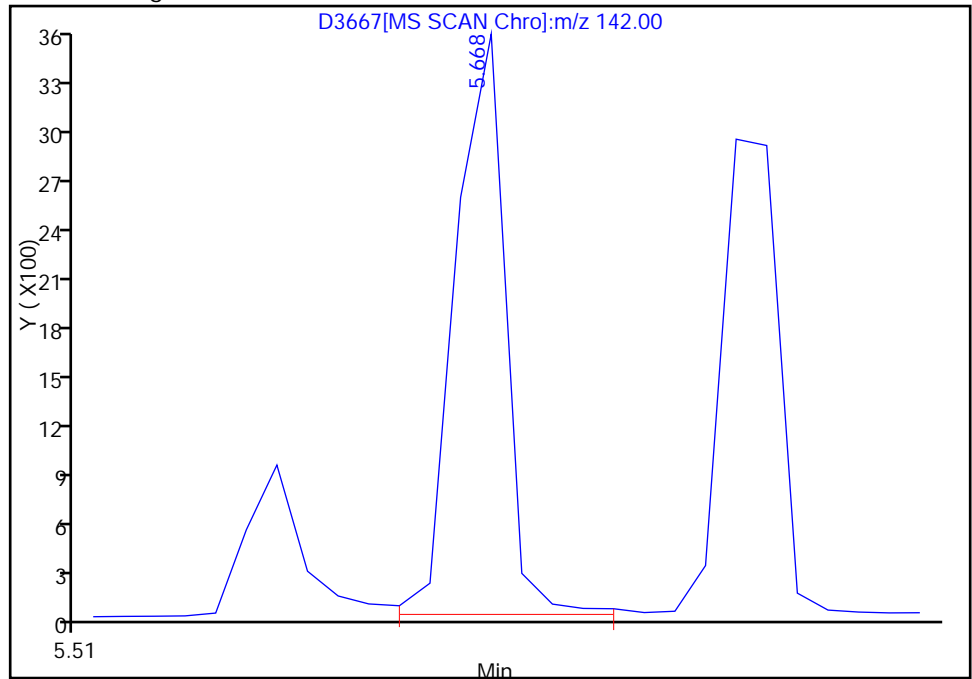
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 4636  
Amount: 0.969700



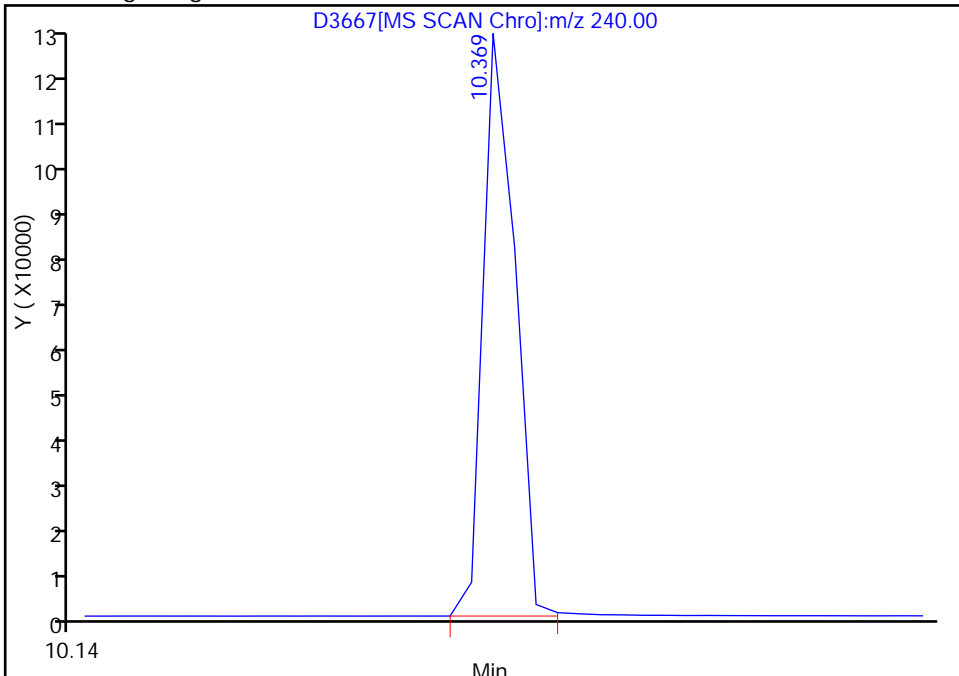
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

\* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.37

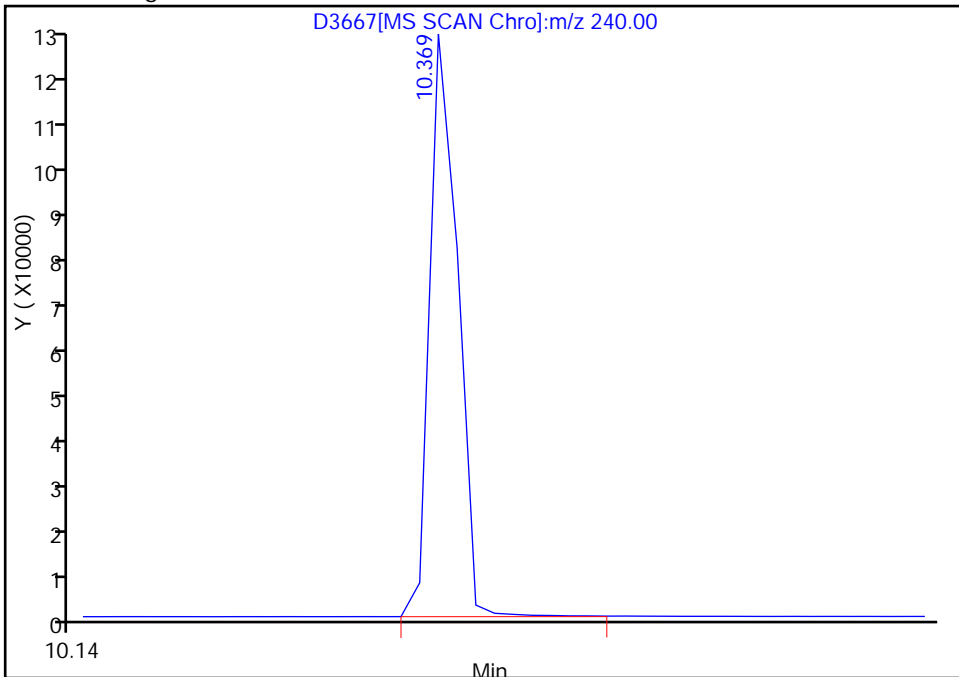
RT: 10.37  
Response: 151027  
Amount: 40.000000

Processing Integration Results



RT: 10.37  
Response: 152128  
Amount: 40.000000

Manual Integration Results



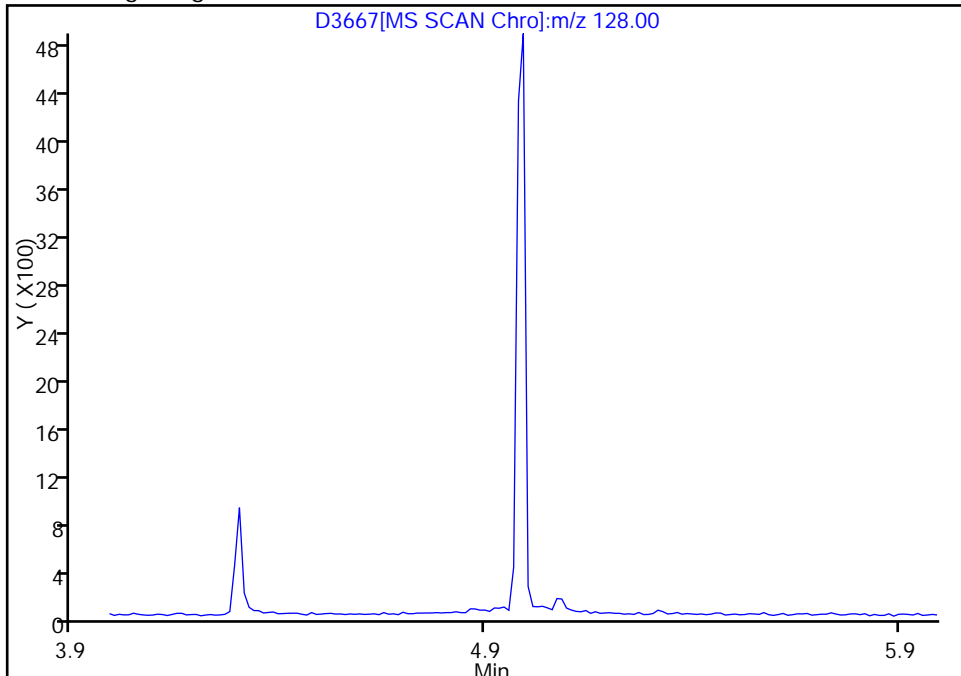
Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

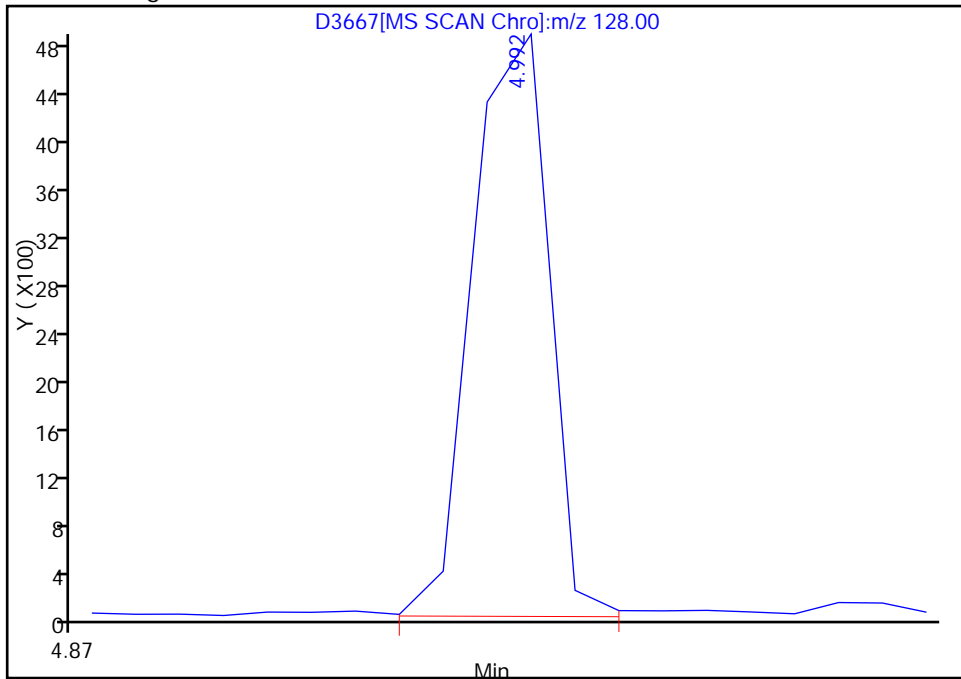
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 6732  
Amount: 0.902763



Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D

Injection Date: 29-Jan-2012 11:29:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

Lims Batch ID: 93035

Lims Sample ID: 3

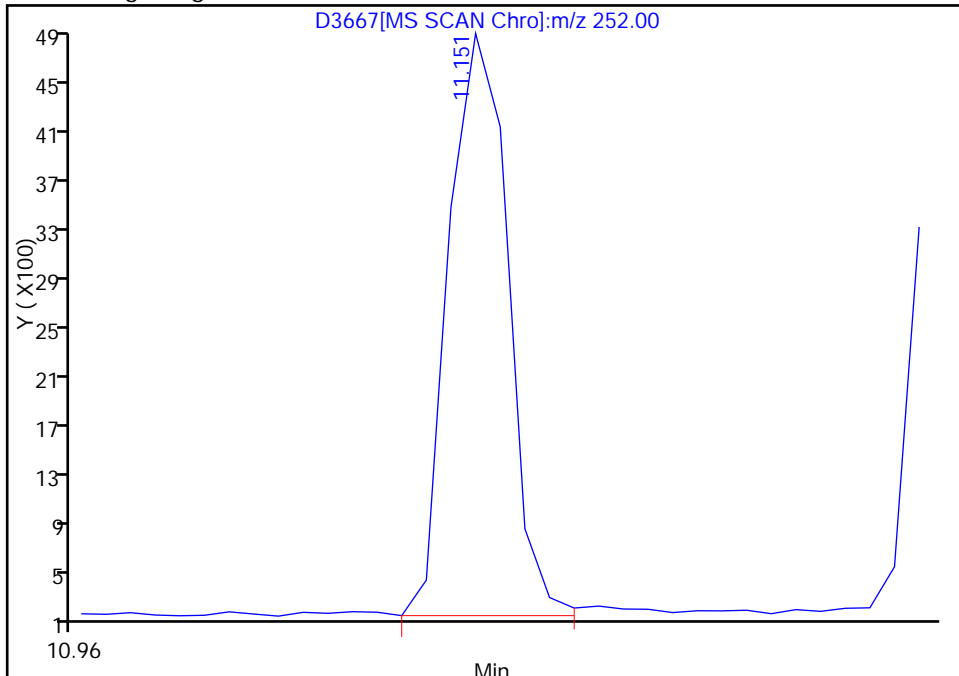
Operator ID: WDS

Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

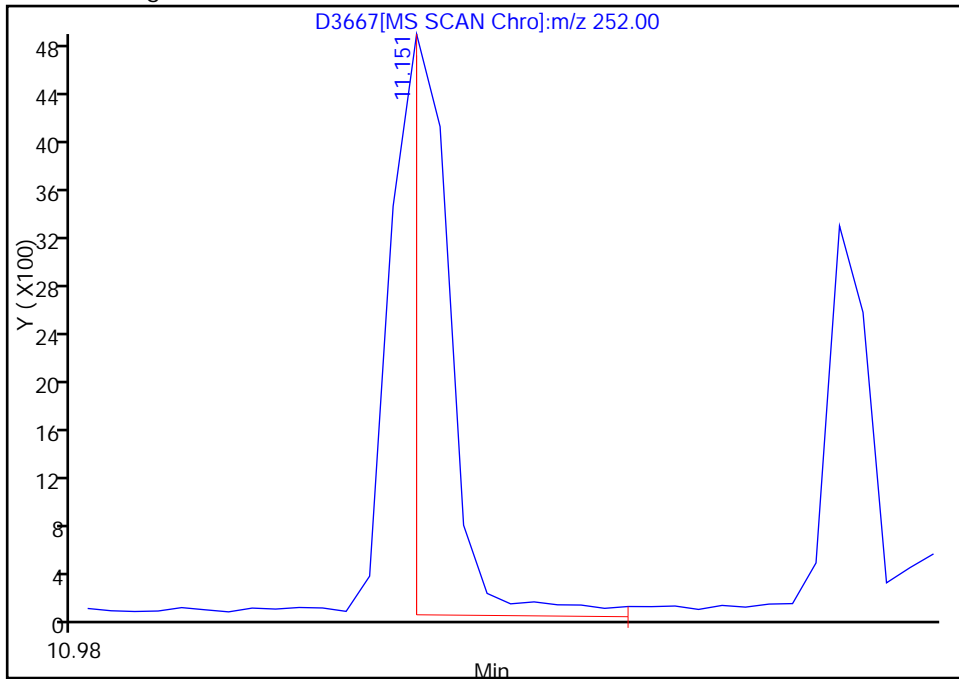
Processing Integration Results

RT: 11.15  
Response: 9296  
Amount: 1.071418



Manual Integration Results

RT: 11.15  
Response: 7186  
Amount: 0.843912



Reviewer: squiresb, 29-Jan-2012 19:48:50

Audit Action: Manually Integrated

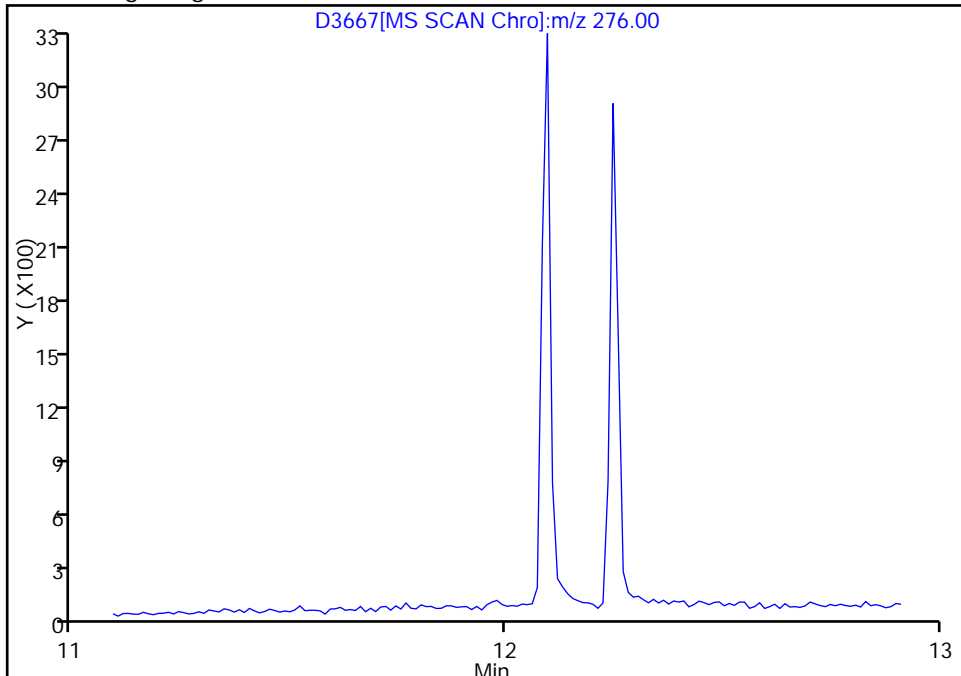
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.10

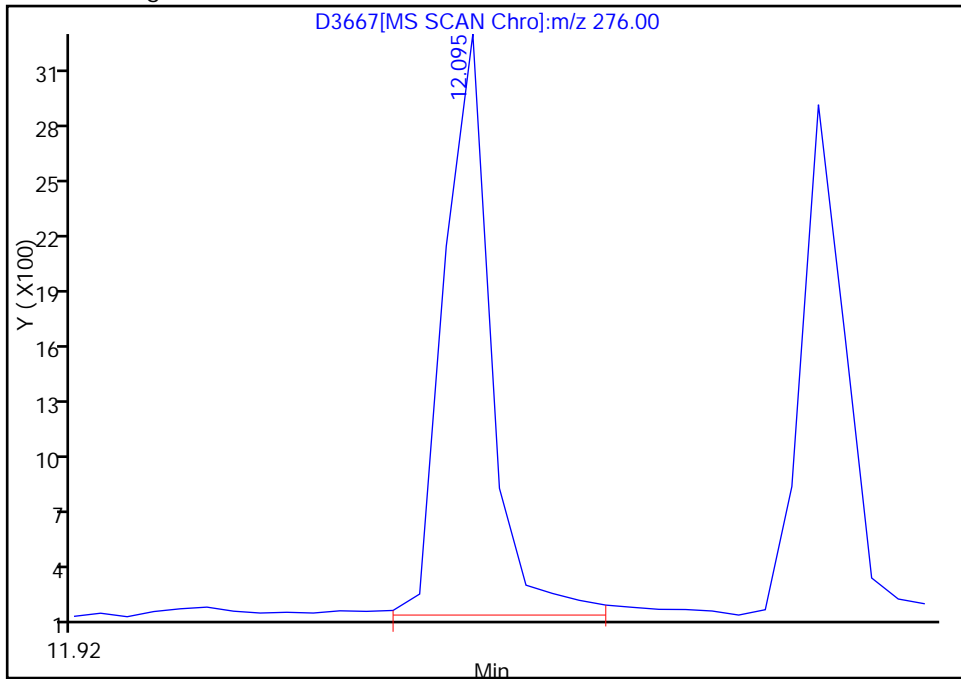
Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results

RT: 12.10  
Response: 4470  
Amount: 0.928557



Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

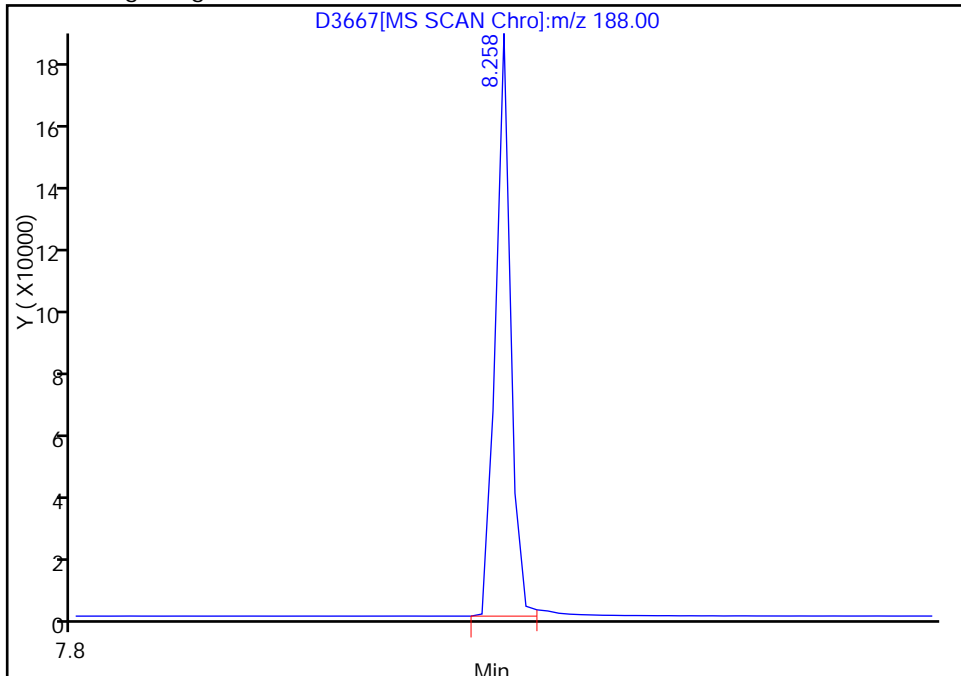


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3667.D  
Injection Date: 29-Jan-2012 11:29:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 3  
Operator ID: WDS Injection Vol: 1.00 ul

\* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 8.26

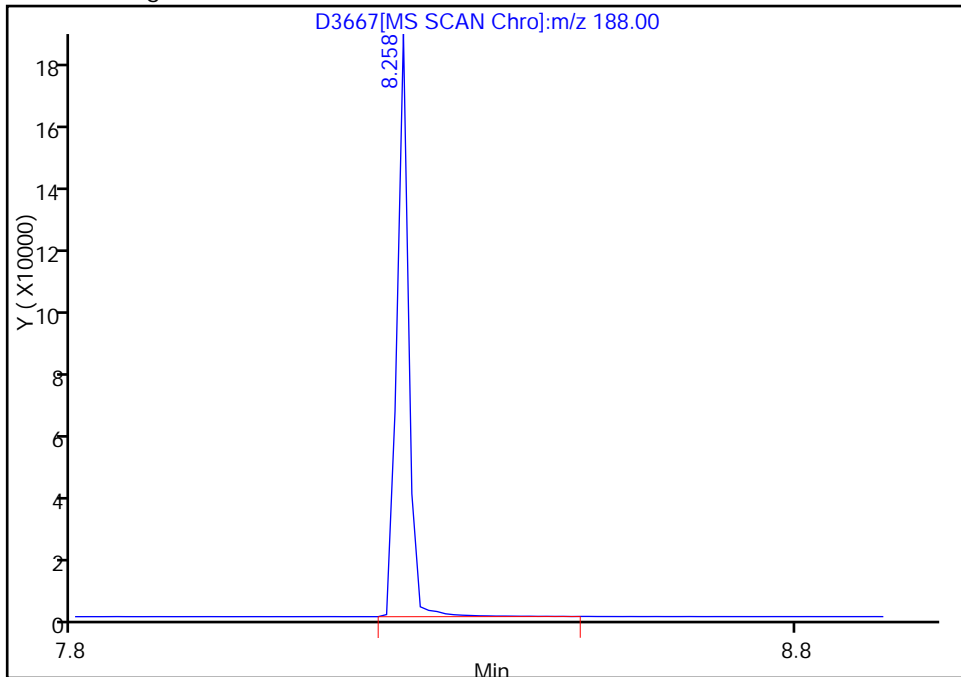
RT: 8.26  
Response: 202801  
Amount: 40.000000

Processing Integration Results



RT: 8.26  
Response: 206631  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:48:50  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
 Lims ID: sstd002 Client ID:  
 Inject. Date: 29-Jan-2012 11:47:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: SSTD002  
 Misc. Info.: 510-0006247-004 =510-0006247-004  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 4  
 Lims Batch ID: 93035 Lims Sample ID: 4  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 19:53:08 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 19:53:08

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	136995	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		68116		20.2- 80.2	49.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	7670	4.05	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		21919		1587.0-1647.0	285.8
	54	4.968	4.303	0.665		35151		252.0- 312.0	458.3
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	381065	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	22362	1.99	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	16462	2.18	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	18686	2.25		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	25353	2.09	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	220724	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		197723		59.3- 119.3	89.6

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	1	12672	2.18	70.0- 130.0	100.0	
152	6.788	6.788	0.000		5840		16.5- 76.5	46.1	
154	6.788	6.788	0.000		12488		68.8- 128.8	98.5	
80 Fluorene									
166	7.359	7.359	0.000	19	17203	2.31	70.0- 130.0	100.0	
165	7.359	7.359	0.000		15792		57.6- 117.6	91.8	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	330662	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.281	8.281	0.000	1	19736	2.18	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	20543	2.27	70.0- 130.0	100.0	M
95 Fluoranthene									
202	9.284	9.284	0.000	0	20406	2.02	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		
97 Pyrene									
202	9.447	9.447	0.000	0	21182	2.01	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	10229	2.15	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	17846	2.01	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	209509	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	10.392	10.392	0.000	0	13522	1.91	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	17347	0.4676	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		5106		0.0- 53.8	29.4	
107 Benzo[k]fluoranthene									
252	11.150	11.150	0.000	1	13230	0.0364	70.0- 130.0	100.0	M
253	11.139	11.150	-0.011		5106		0.0- 53.8	38.6	
108 Benzo[a]pyrene									
252	11.360	11.349	0.011	1	10626	2.09	70.0- 130.0	100.0	
253	11.360	11.349	0.011		2379		0.0- 53.3	22.4	
* 109 Perylene-d12									
264	11.395	11.395	0.000	1	143523	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.000	0	10174	1.84	70.0- 130.0	100.0	M
138	0.0	12.084	-12.084		0		0.0- 50.5		

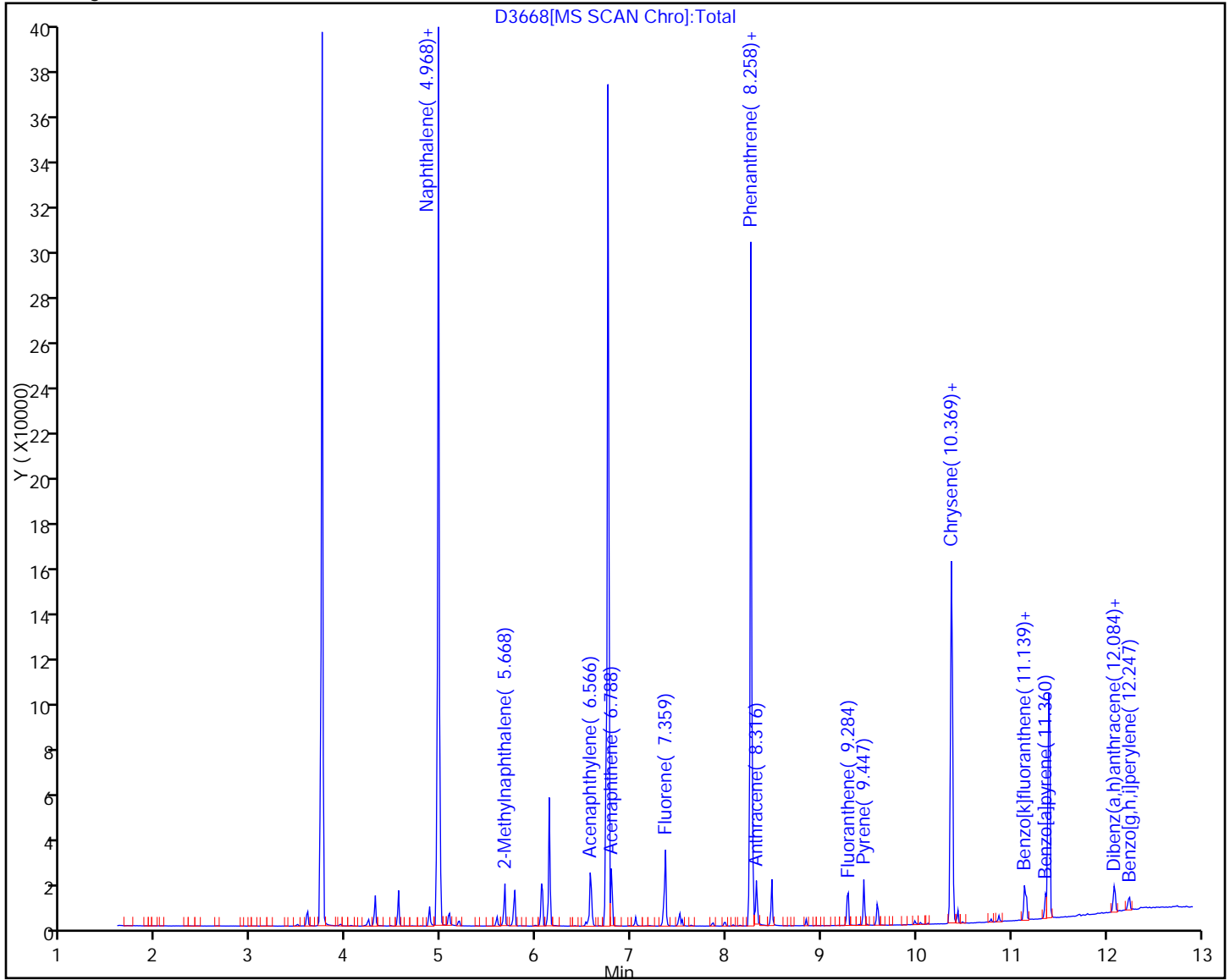
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	8426	1.94	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	8695	1.87	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

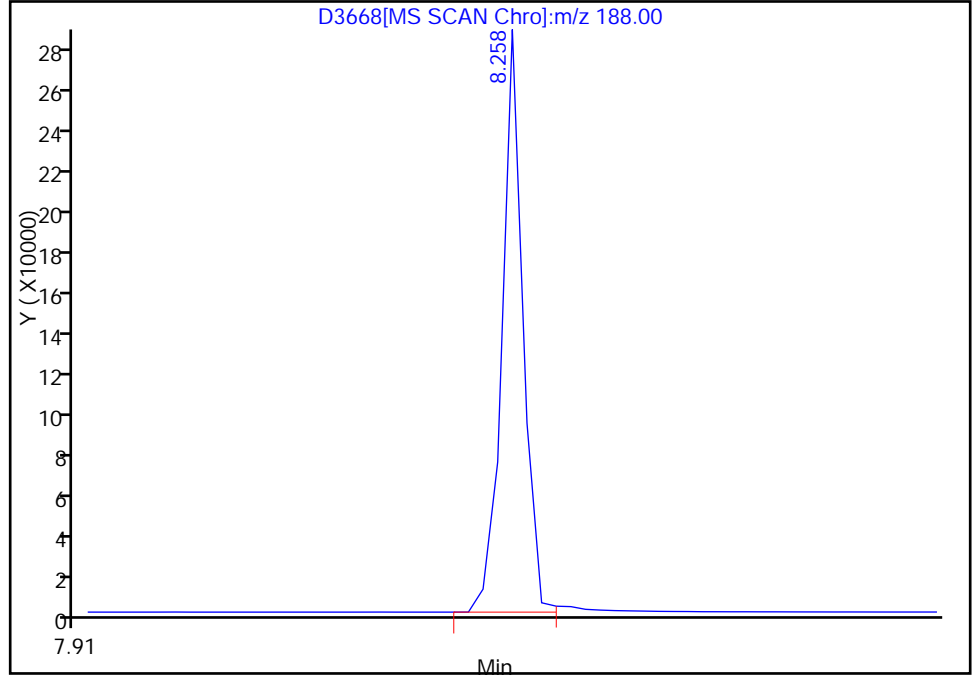


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

\* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 8.26

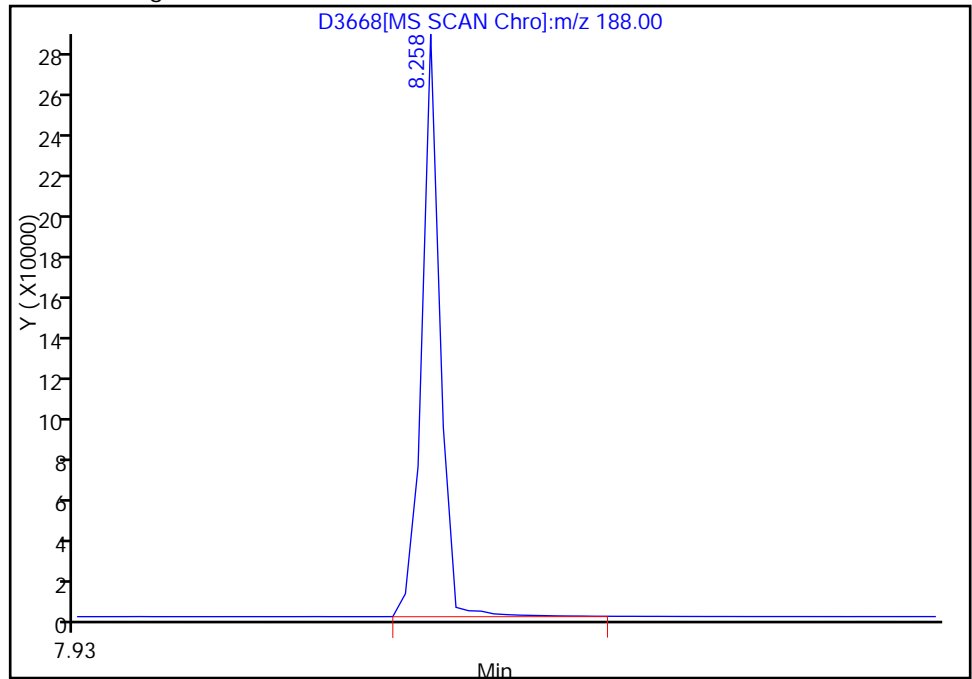
RT: 8.26  
Response: 324741  
Amount: 40.000000

Processing Integration Results



RT: 8.26  
Response: 330662  
Amount: 40.000000

Manual Integration Results



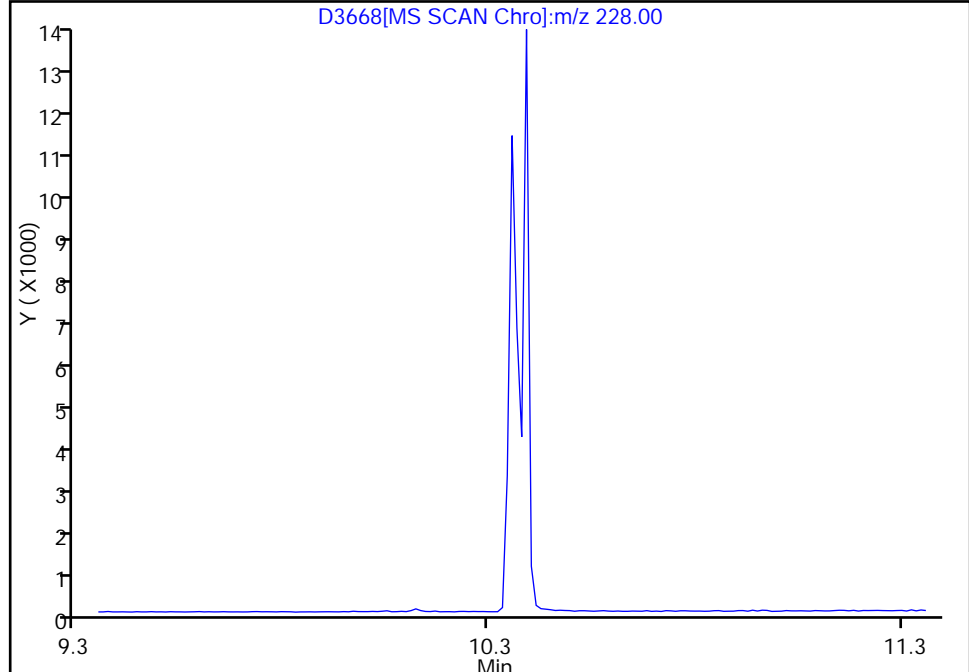
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

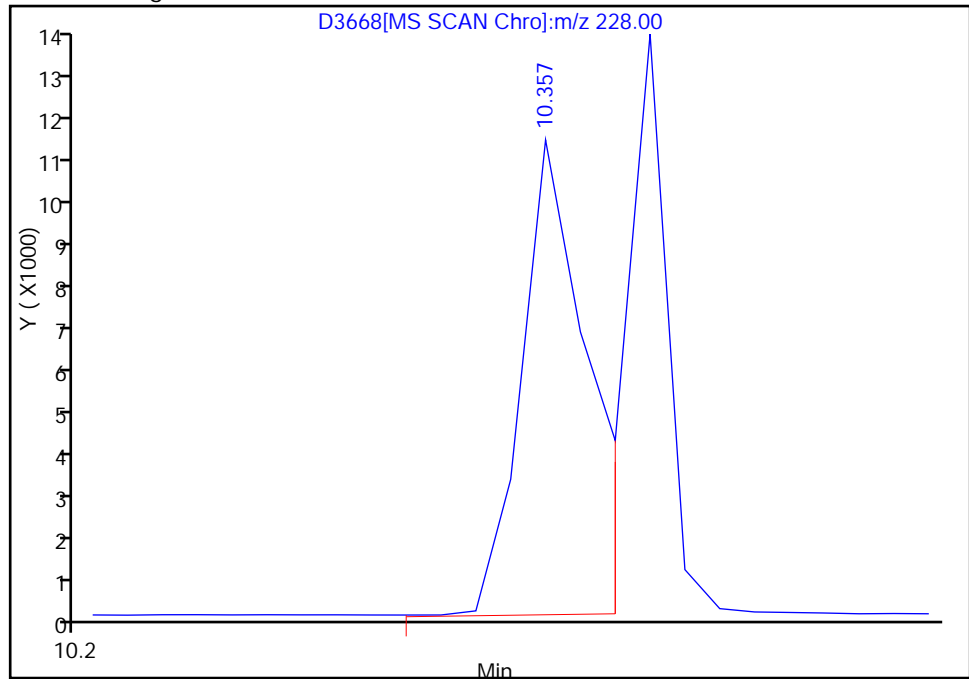
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 17846  
Amount: 2.011997



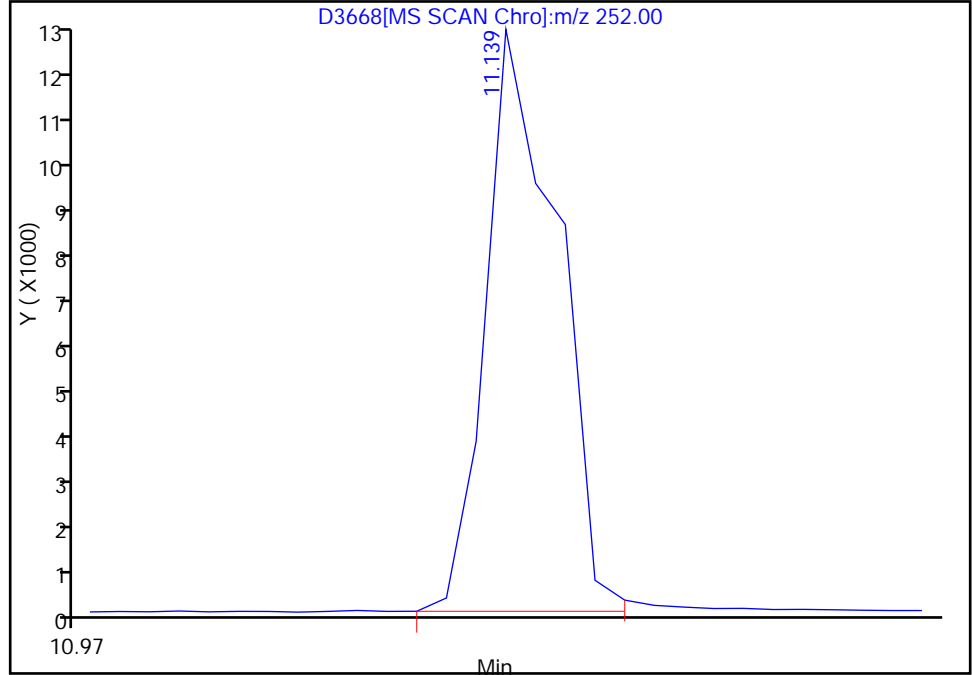
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

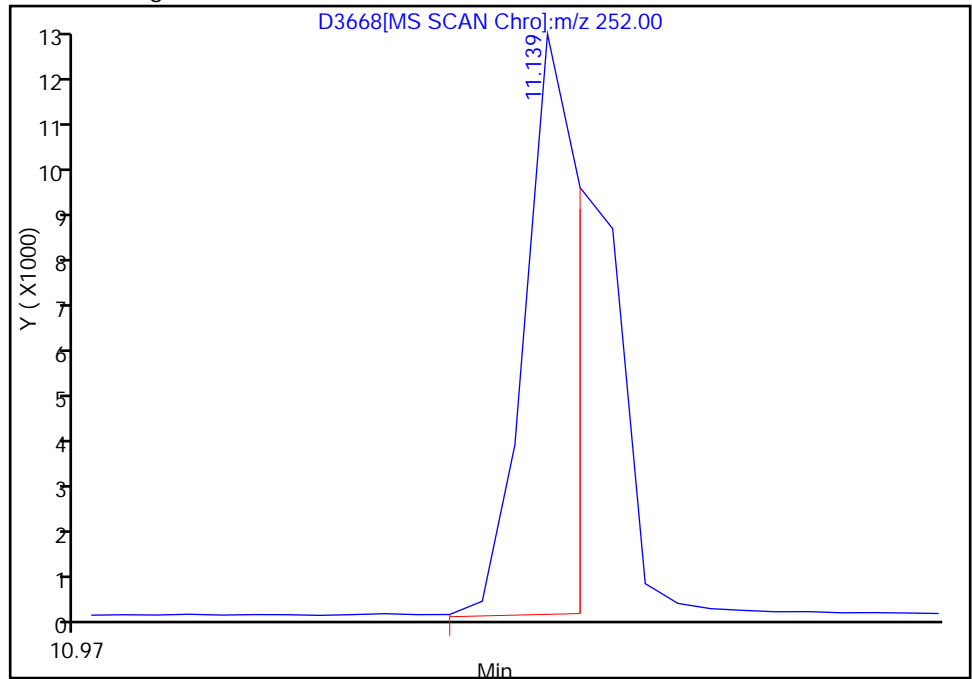
RT: 11.14  
Response: 23516  
Amount: 1.059376

Processing Integration Results



RT: 11.14  
Response: 17347  
Amount: 0.467604

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

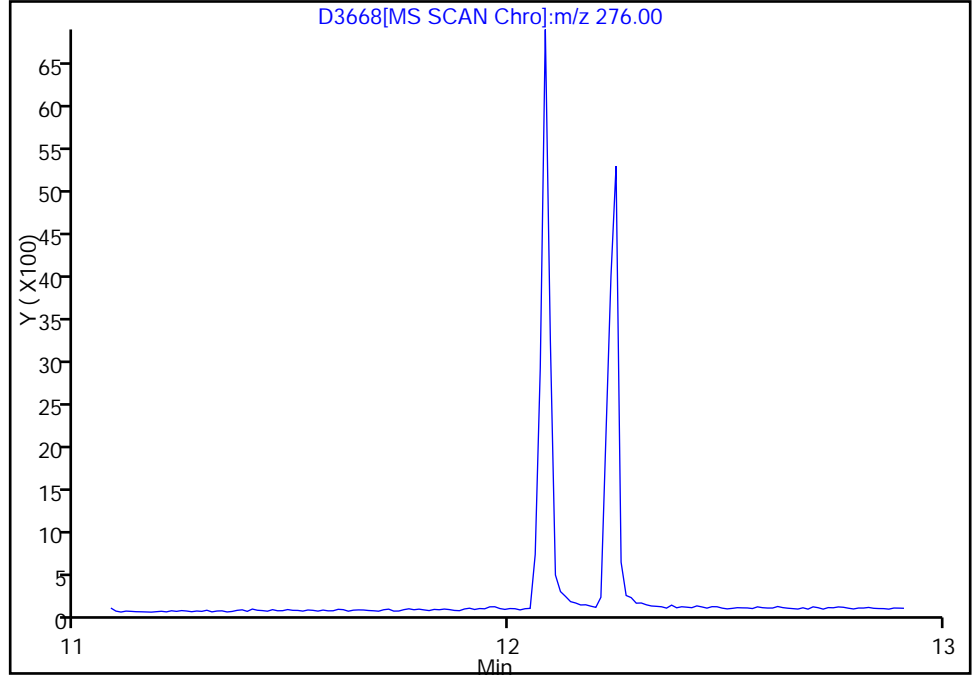


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

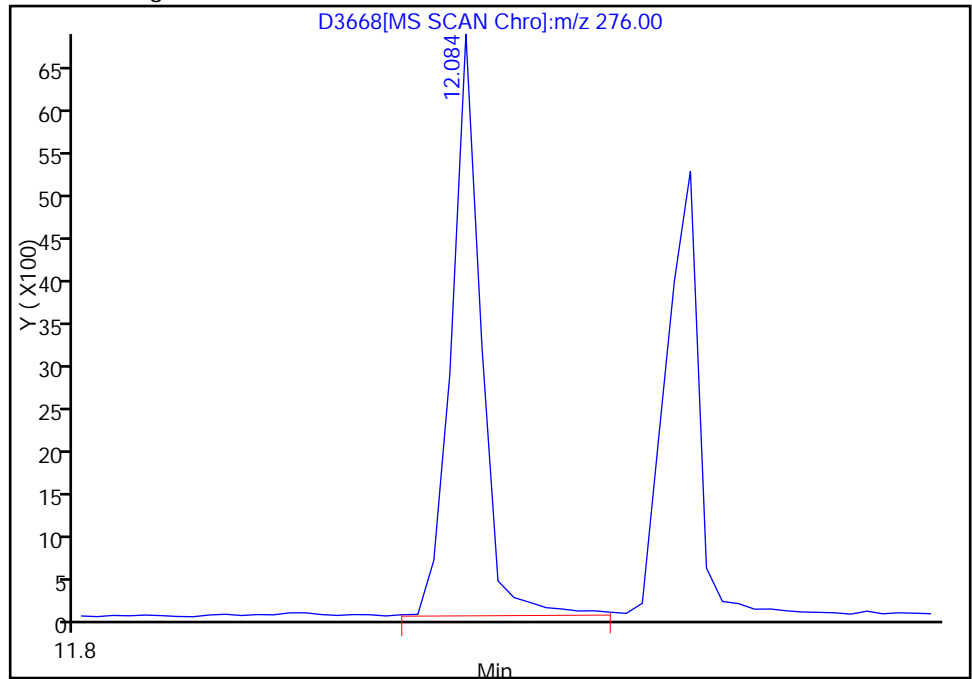
110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.08

Not Detected  
Expected RT: 12.08

Processing Integration Results



Manual Integration Results



RT: 12.08  
Response: 10174  
Amount: 1.843946

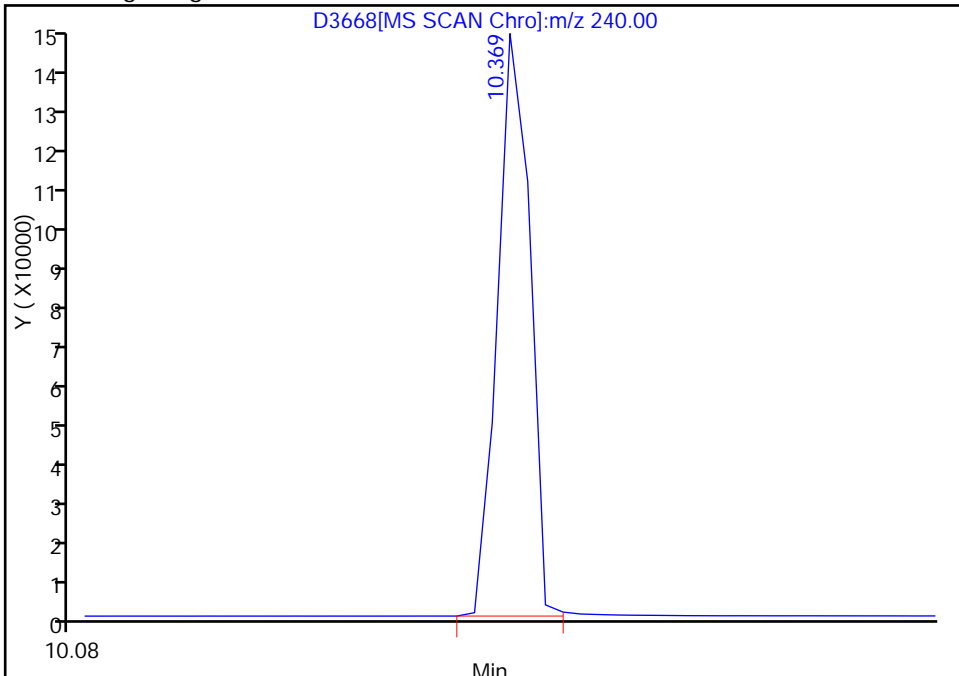
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

\* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.37

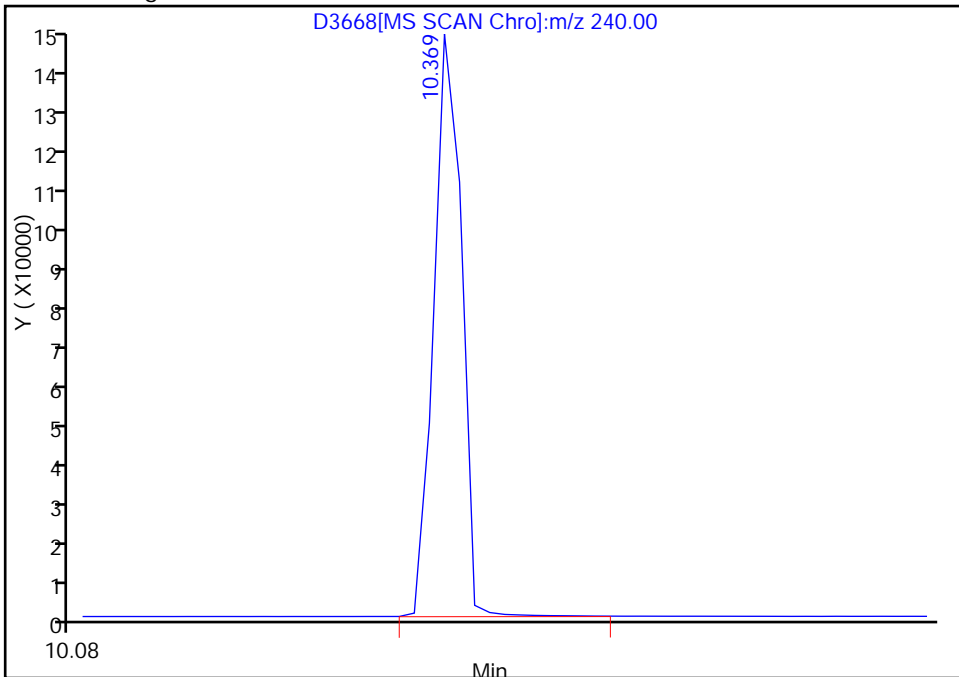
RT: 10.37  
Response: 207770  
Amount: 40.000000

Processing Integration Results



RT: 10.37  
Response: 209509  
Amount: 40.000000

Manual Integration Results



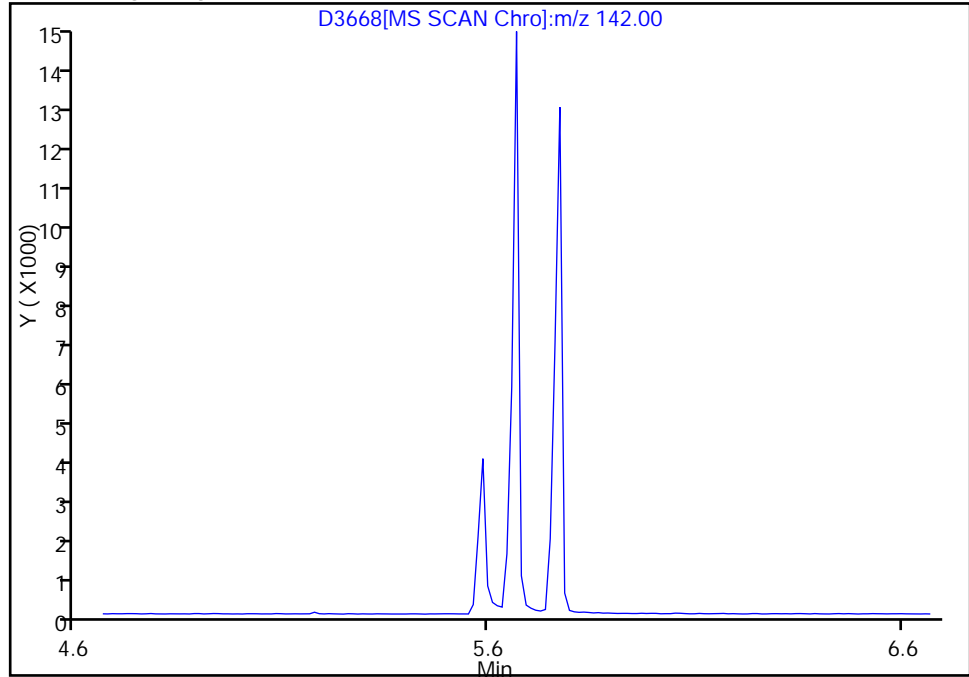
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

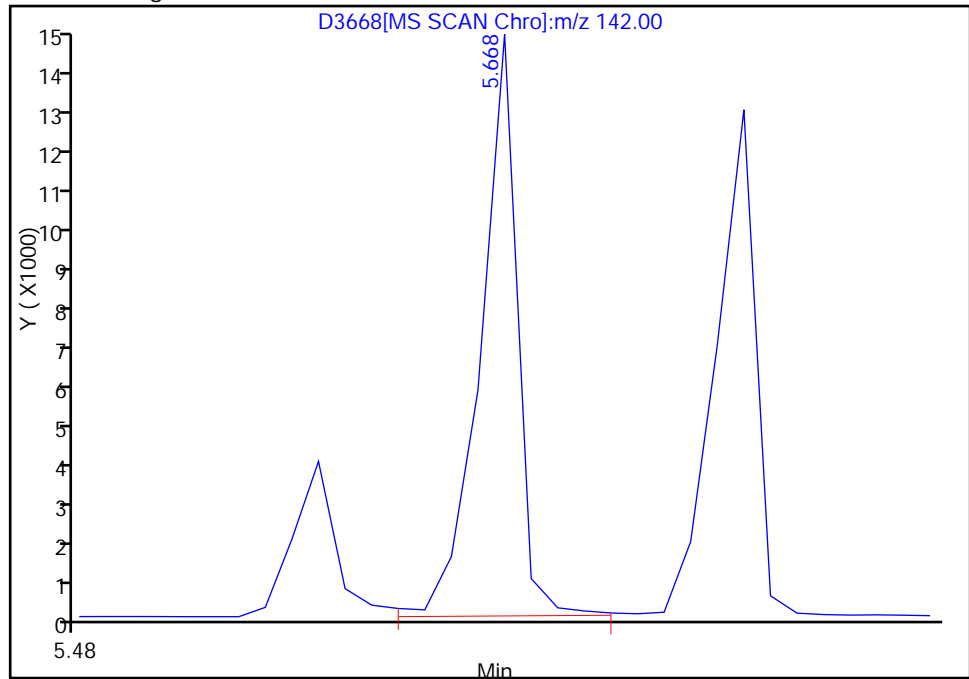
Not Detected  
Expected RT: 5.67

Processing Integration Results



RT: 5.67  
Response: 16462  
Amount: 2.175393

Manual Integration Results



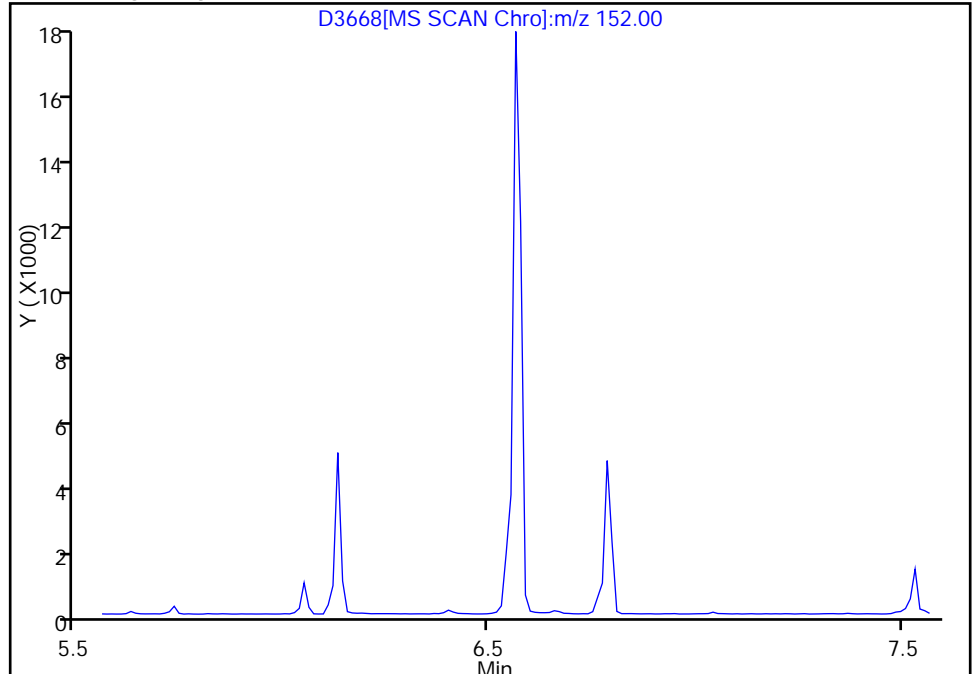
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

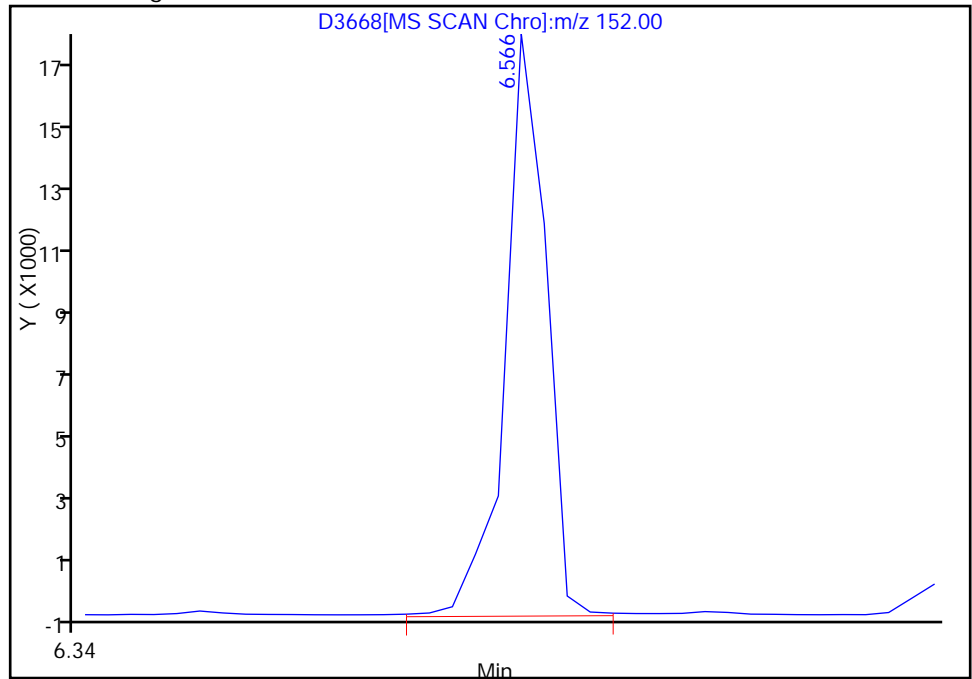
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 25353  
Amount: 2.087291



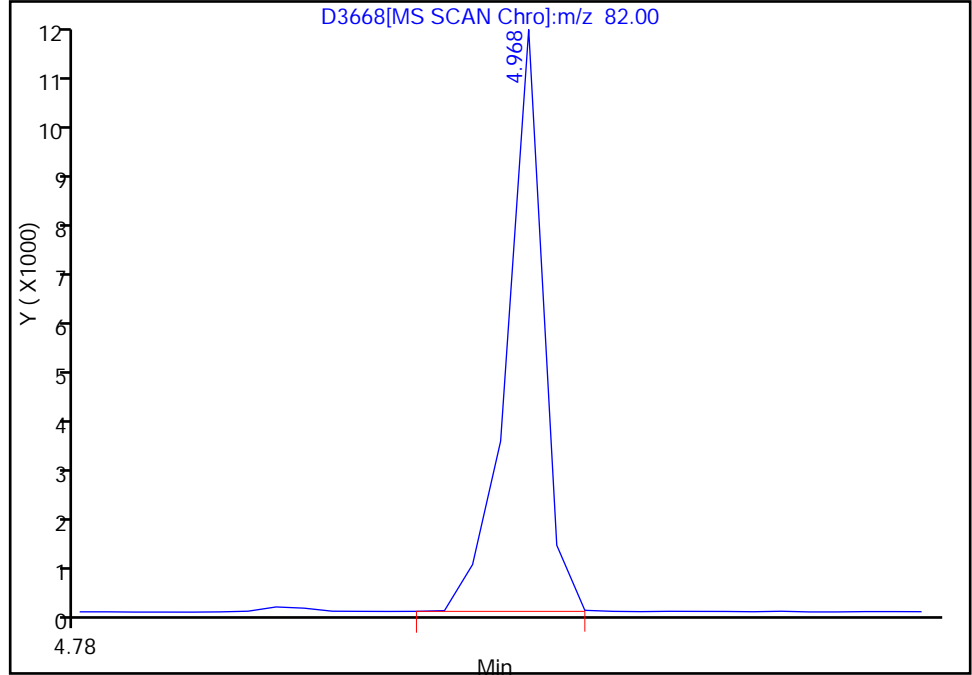
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

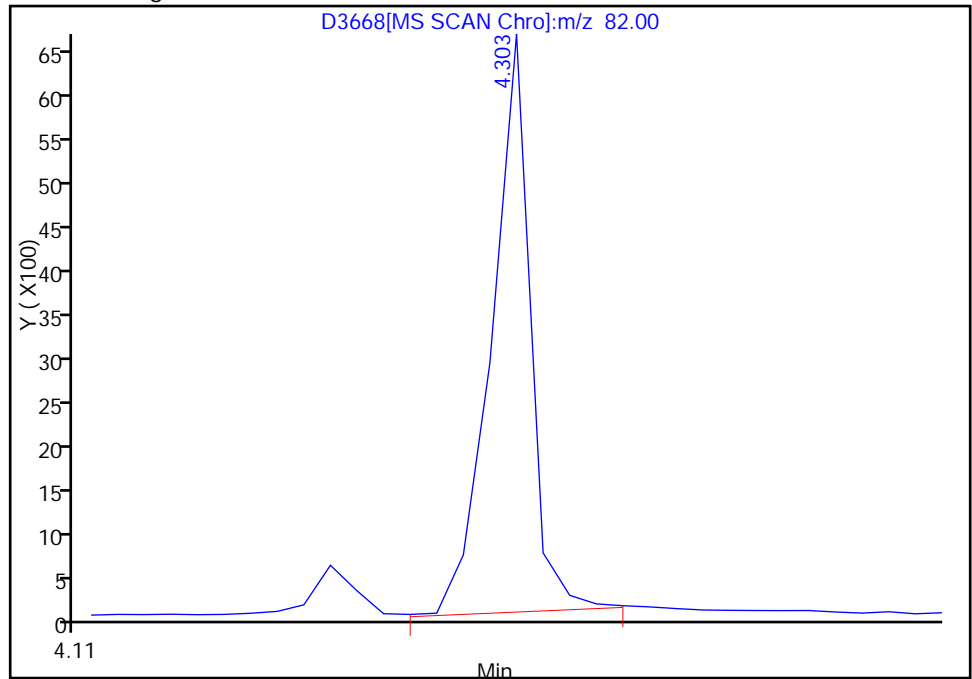
RT: 4.97  
Response: 12414  
Amount: 5.663731

Processing Integration Results



RT: 4.30  
Response: 7670  
Amount: 4.046764

Manual Integration Results



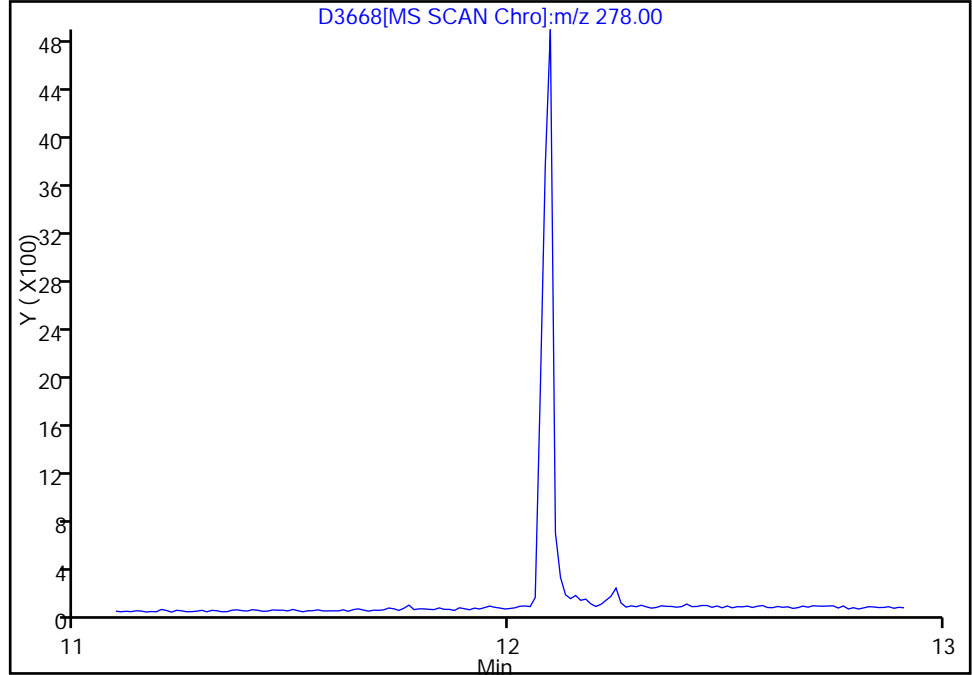
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

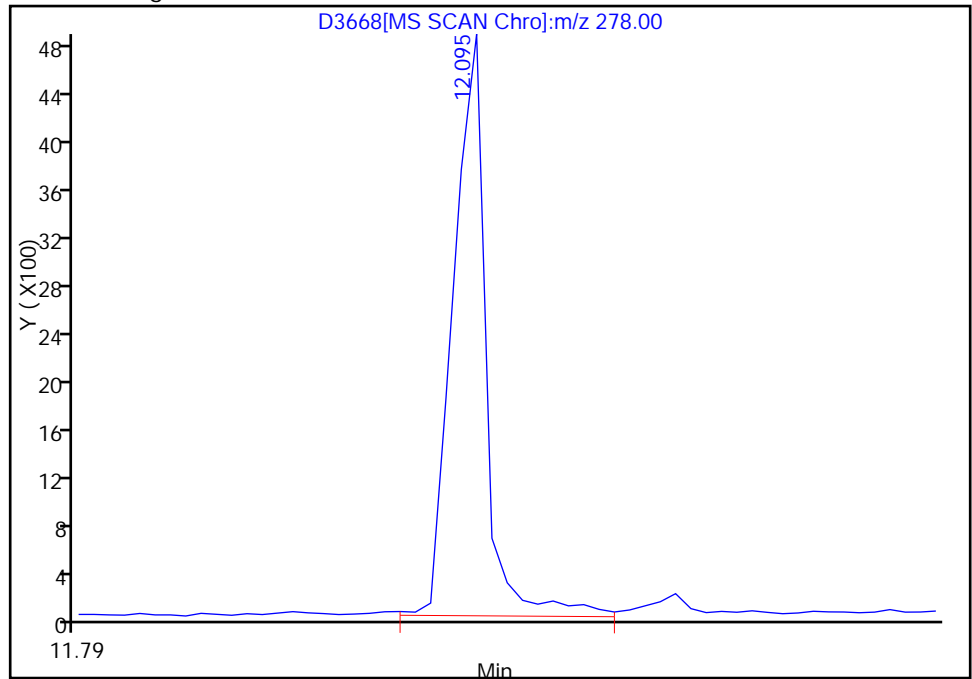
Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results

RT: 12.10  
Response: 8426  
Amount: 1.943711



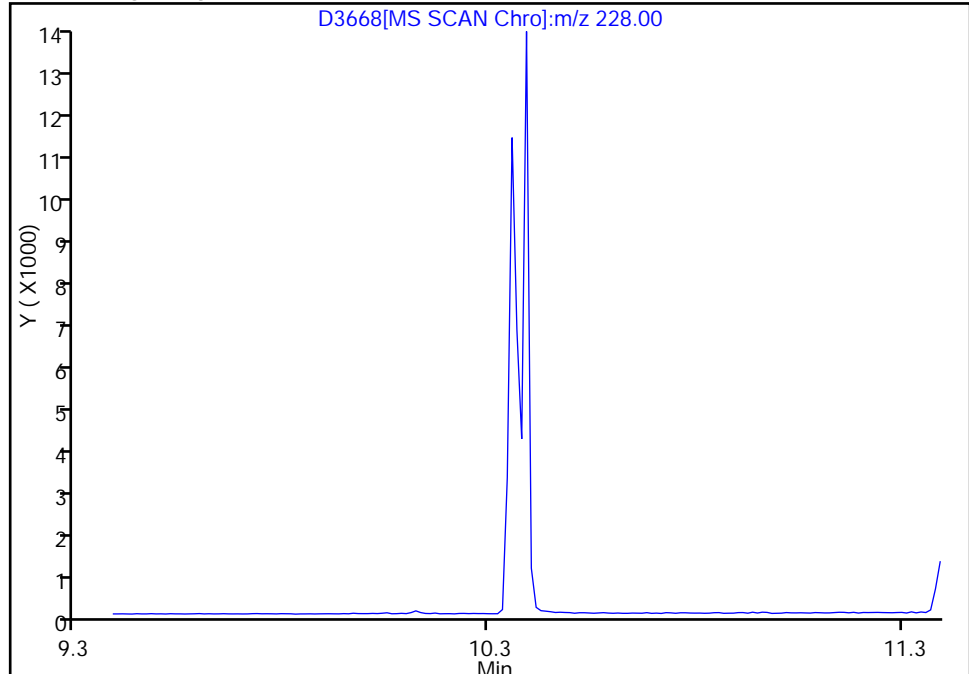
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

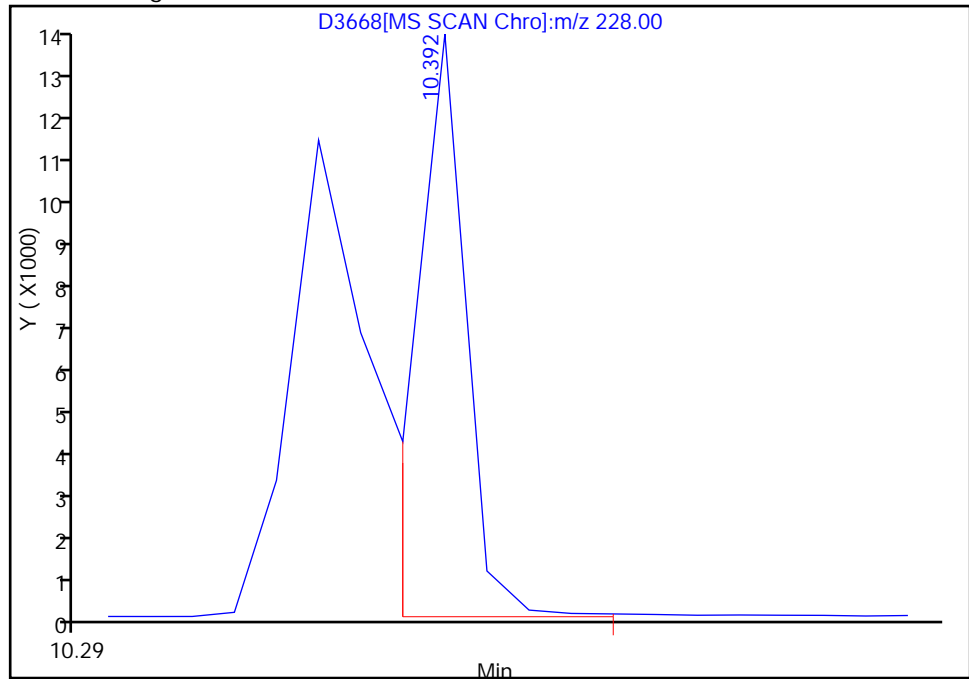
104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results



RT: 10.39  
Response: 13522  
Amount: 1.905415

Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D

Injection Date: 29-Jan-2012 11:47:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

Lims Batch ID: 93035

Lims Sample ID: 4

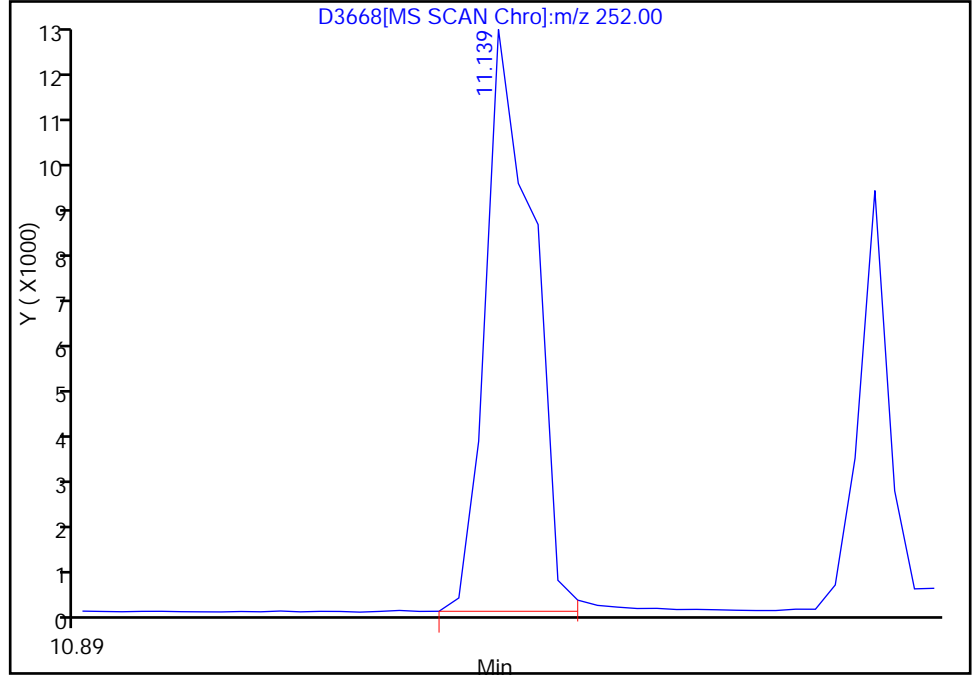
Operator ID: WDS

Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

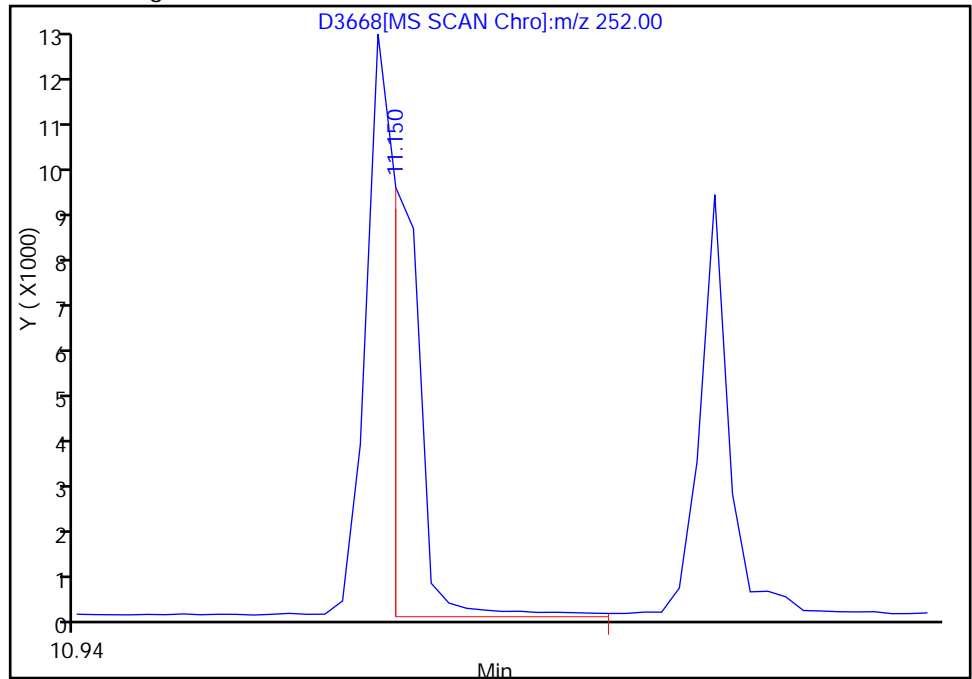
RT: 11.14  
Response: 23516  
Amount: 2.343990

Processing Integration Results



RT: 11.15  
Response: 13230  
Amount: 0.036440

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:53:08

Audit Action: Manually Integrated

Audit Reason: Assign Peak

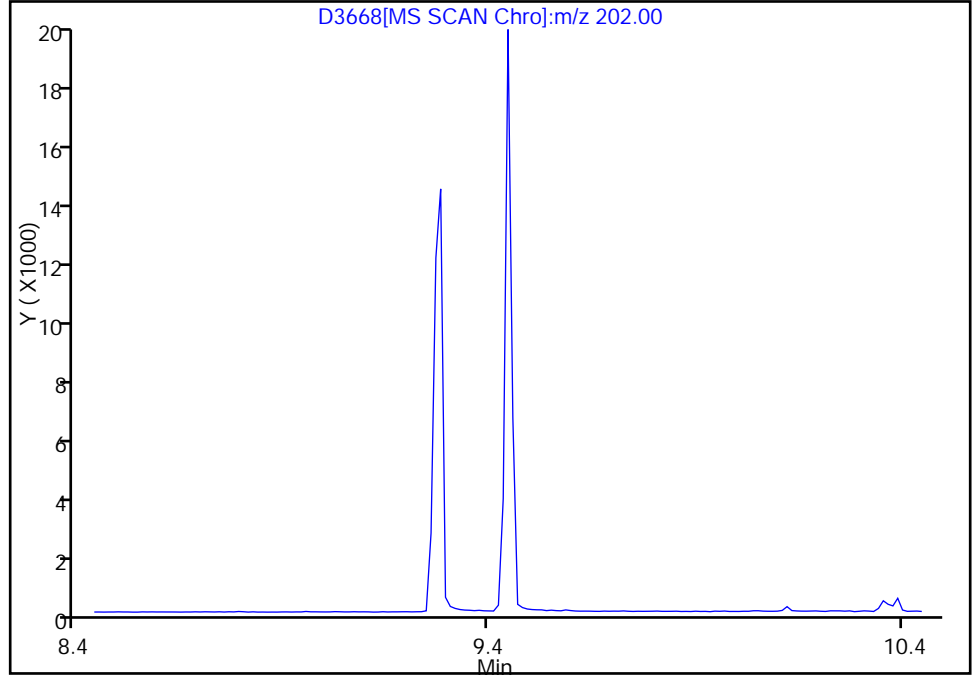


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

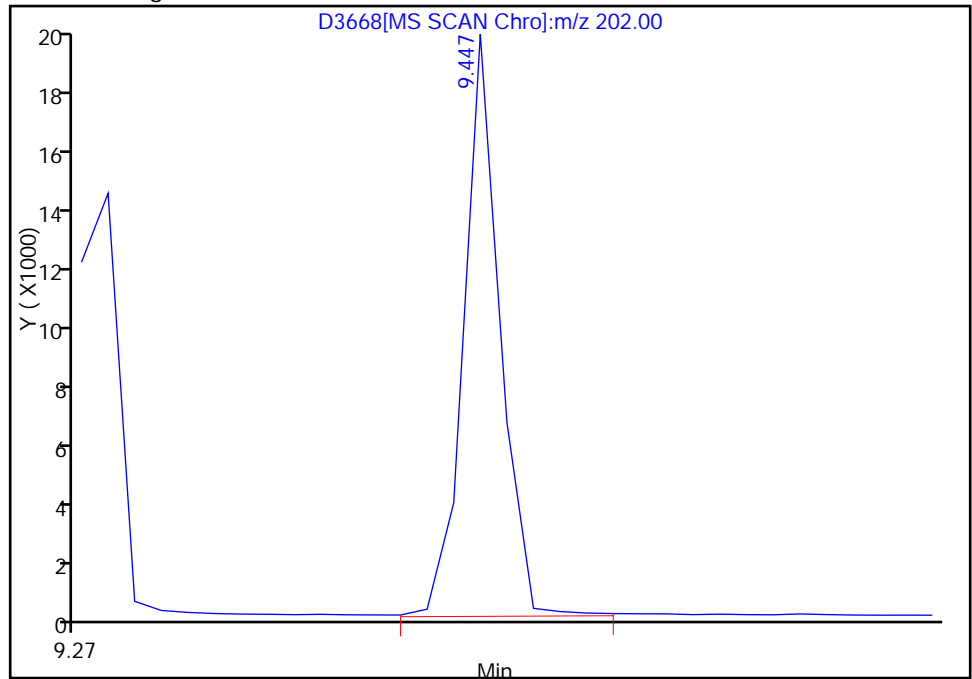
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 21182  
Amount: 2.014283



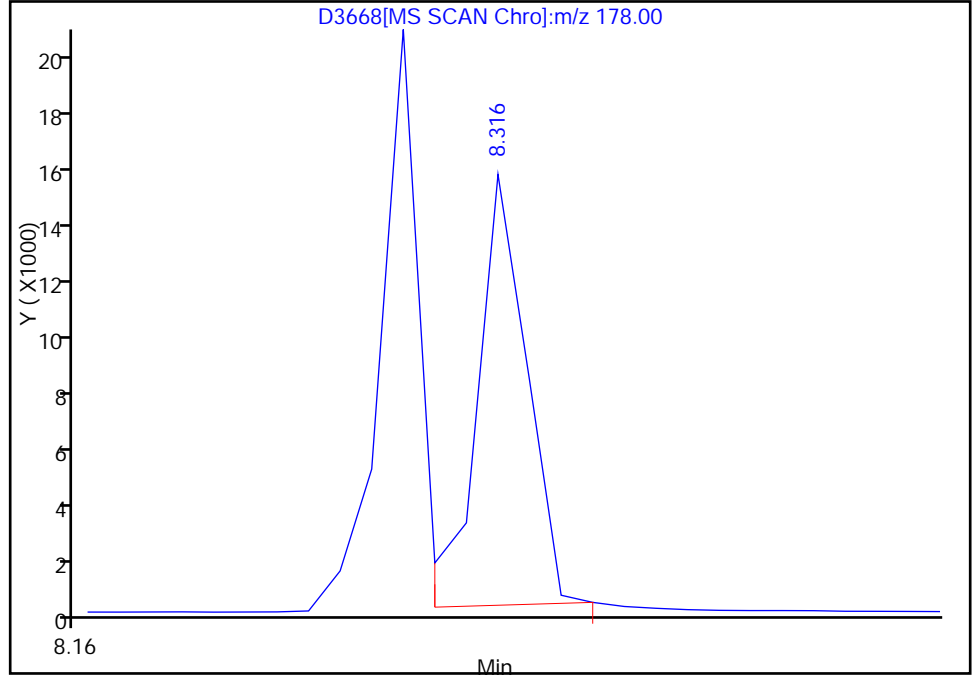
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 8.32

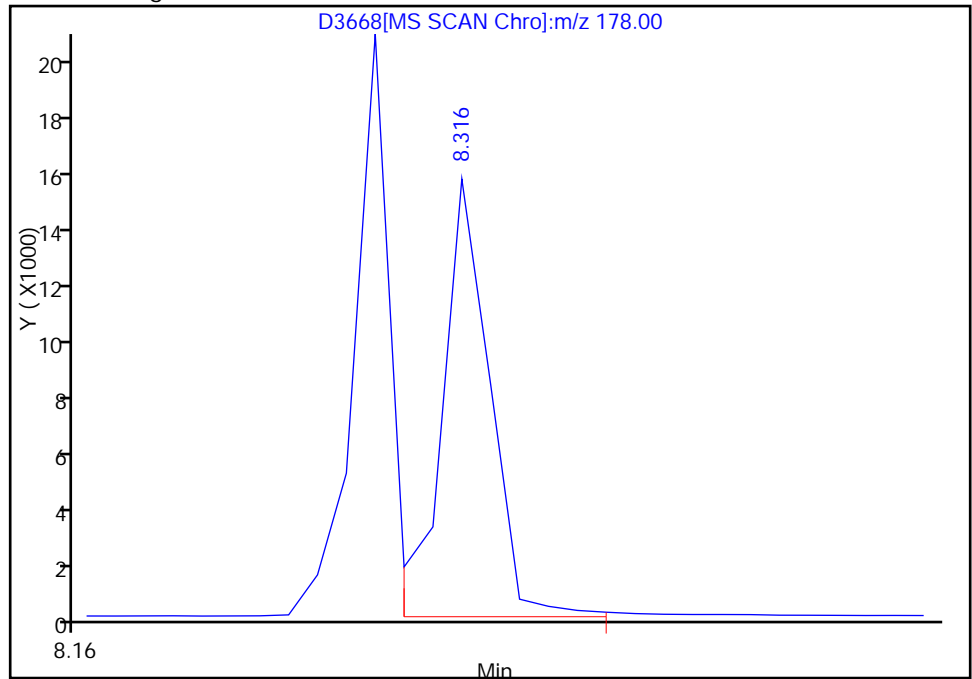
RT: 8.32  
Response: 19116  
Amount: 2.130776

Processing Integration Results



RT: 8.32  
Response: 20543  
Amount: 2.267297

Manual Integration Results



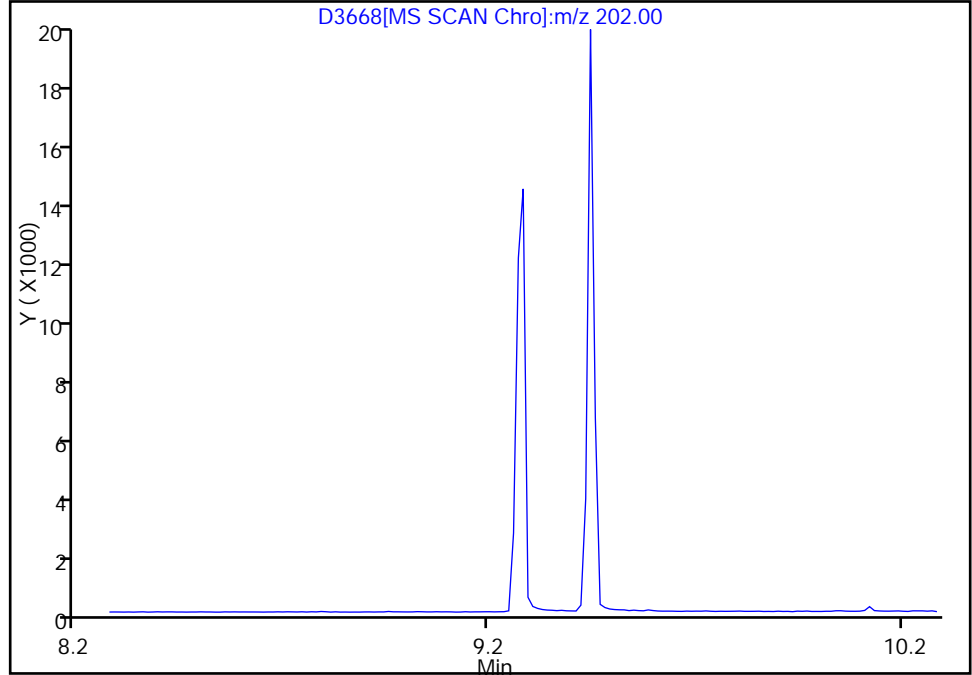
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

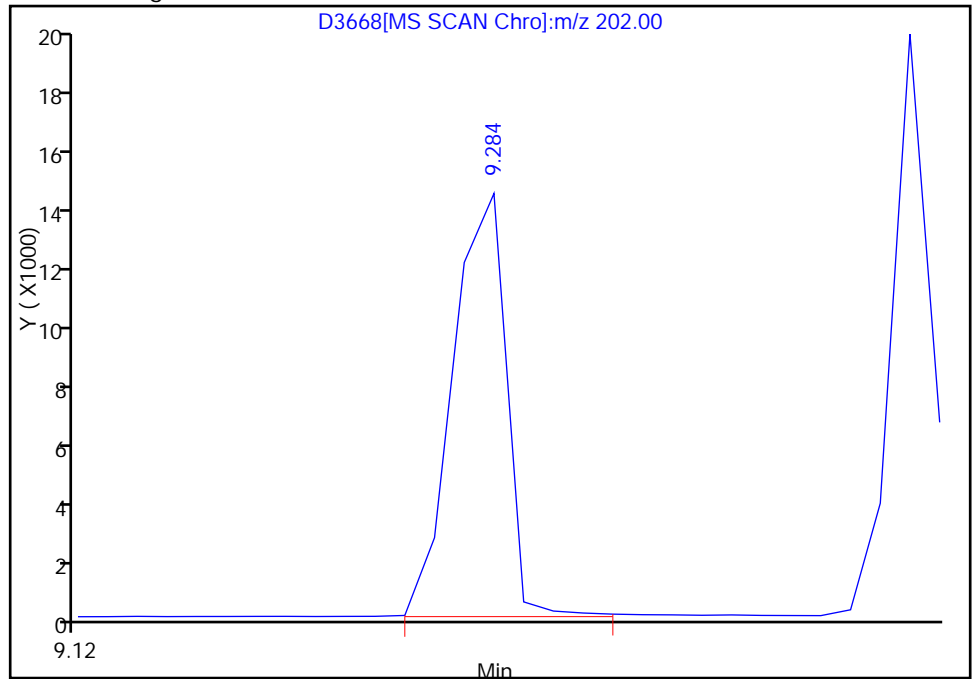
Not Detected  
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 20406  
Amount: 2.020146



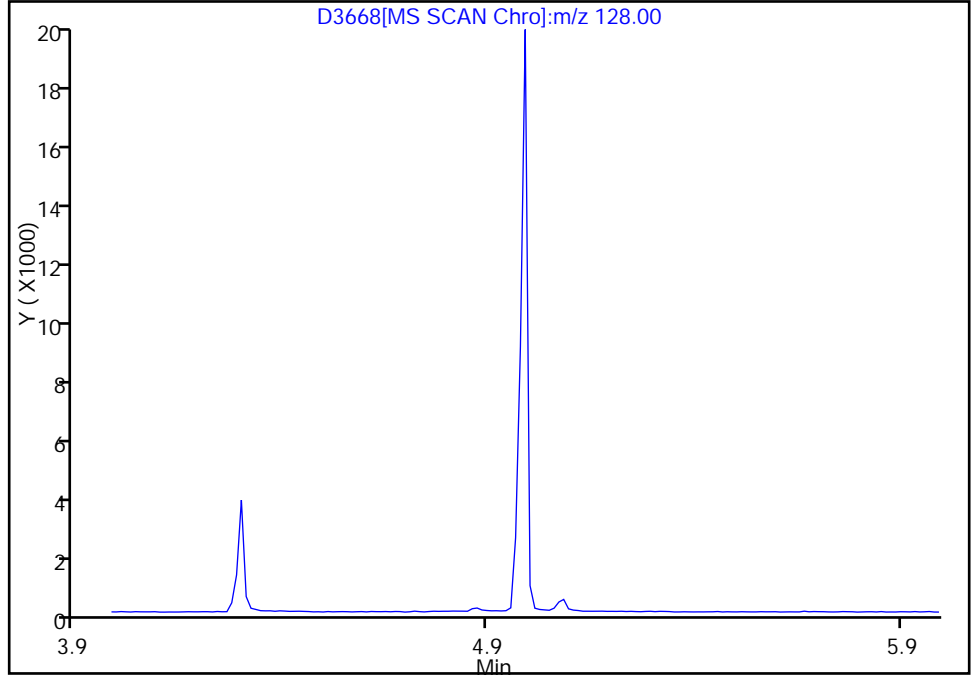
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

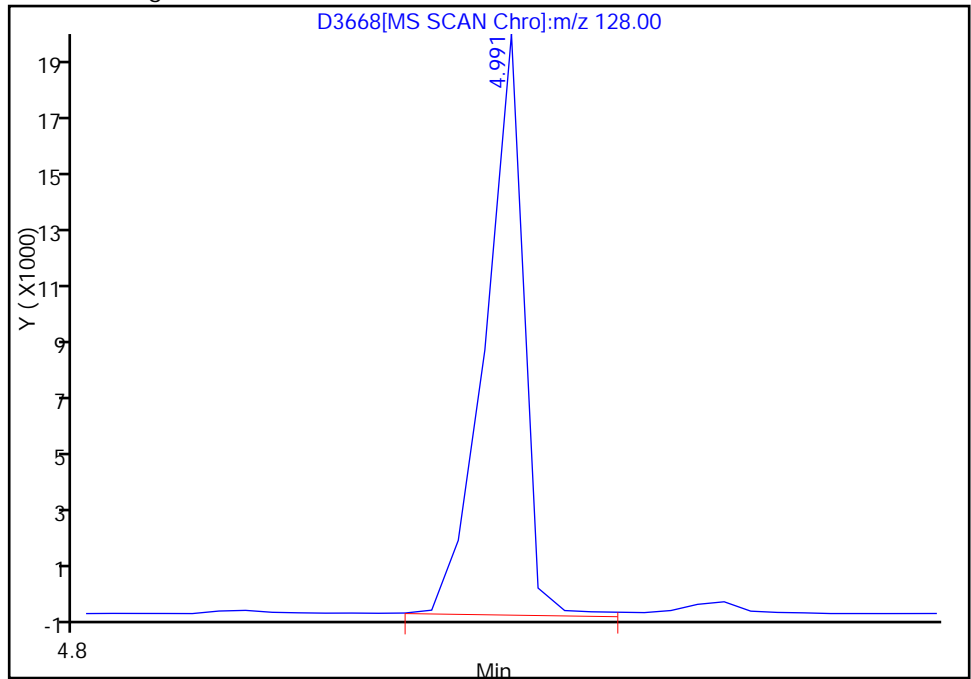
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 22362  
Amount: 1.987568



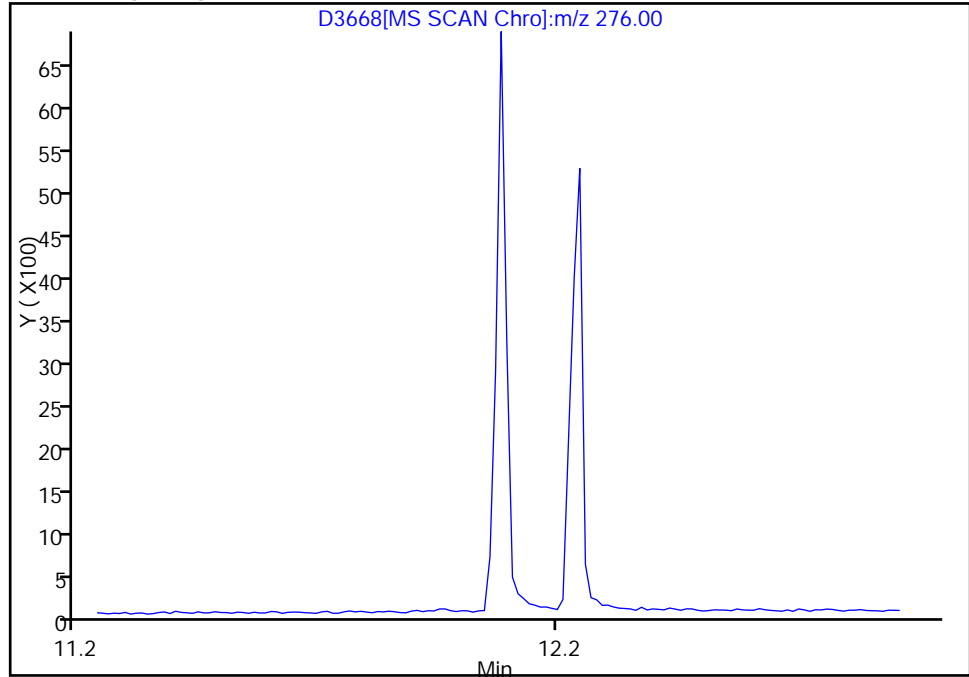
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

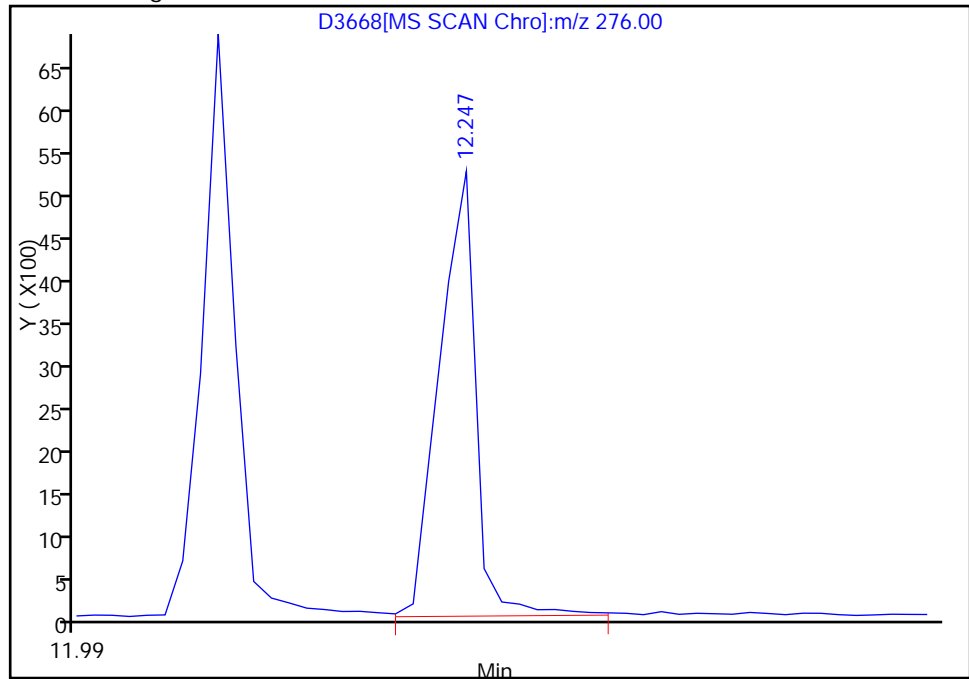
Not Detected  
Expected RT: 12.25

Processing Integration Results



Manual Integration Results

RT: 12.25  
Response: 8695  
Amount: 1.874495



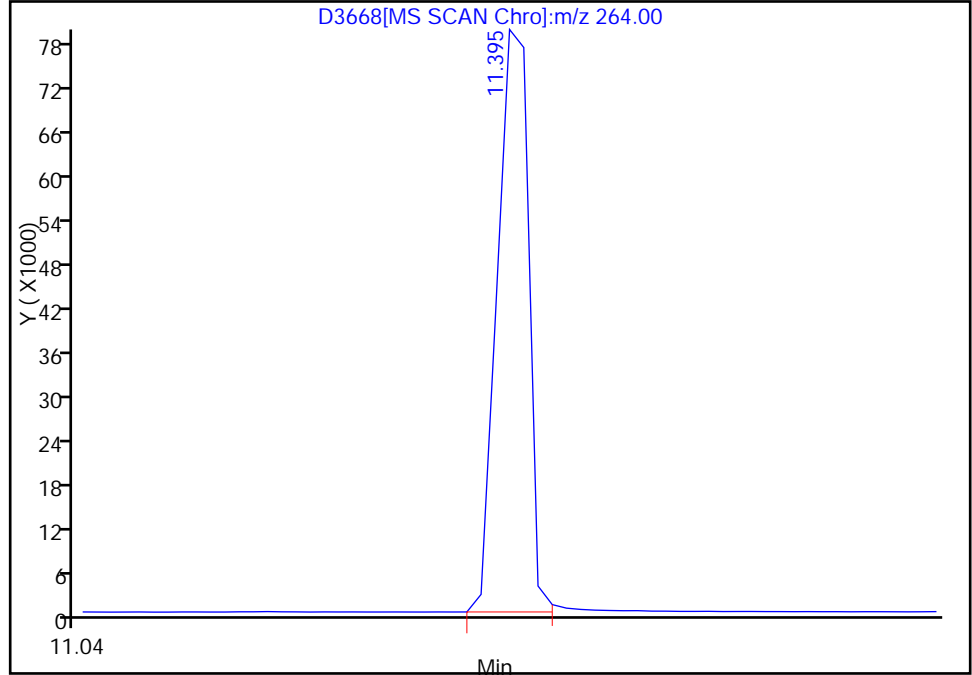
Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3668.D  
Injection Date: 29-Jan-2012 11:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 4  
Operator ID: WDS Injection Vol: 1.00 ul

\* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.40

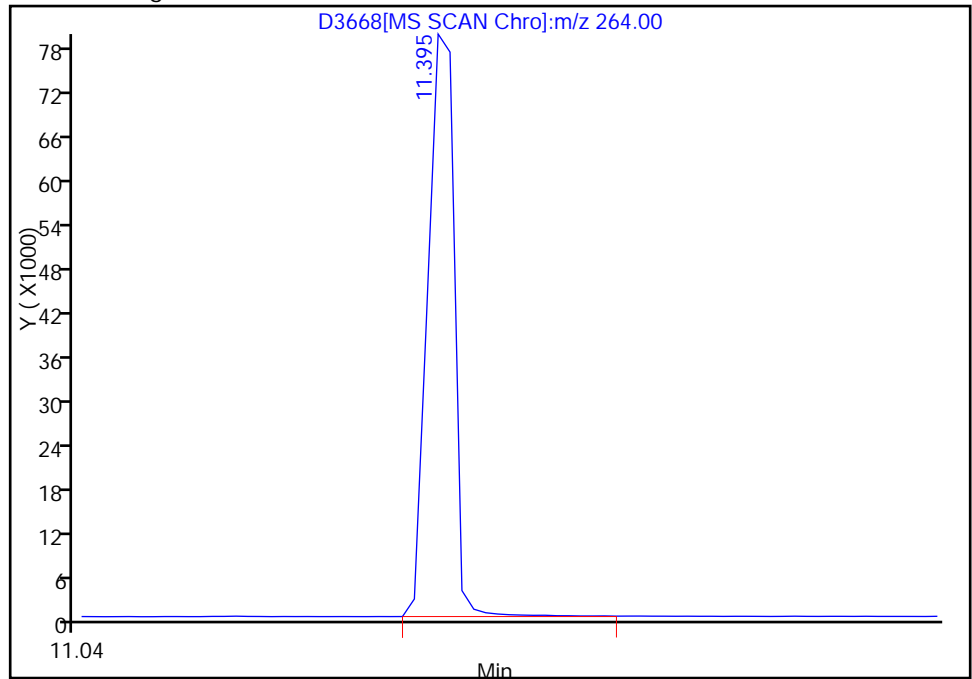
RT: 11.40  
Response: 141995  
Amount: 40.000000

Processing Integration Results



RT: 11.40  
Response: 143523  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:53:08  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
 Lims ID: sstd005 Client ID:  
 Inject. Date: 29-Jan-2012 12:06:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: SSTD005  
 Misc. Info.: 510-0006247-005 =510-0006247-005  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 5  
 Lims Batch ID: 93035 Lims Sample ID: 5  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 19:56:28 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 19:56:28

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	130487	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		64802		20.2- 80.2	49.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	17953	9.25	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		50685		1587.0-1647.0	282.3 M
	54	4.968	4.303	0.665		33305		252.0- 312.0	185.5 M
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	358106	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	51329	4.89	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	38829	5.34	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	42515	5.29		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	57594	4.92	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	213914	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		190310		59.3- 119.3	89.0

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	1	29374	5.23	70.0- 130.0	100.0	
152	6.788	6.788	0.000		13702		16.5- 76.5	46.6	
154	6.788	6.788	0.000		28428		68.8- 128.8	96.8	
80 Fluorene									
166	7.359	7.359	0.000	20	39920	5.53	70.0- 130.0	100.0	
165	7.359	7.359	0.000		35805		57.6- 117.6	89.7	
* 90 Phenanthrene-d10									
188	8.257	8.257	0.000	1	326739	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.281	8.281	0.000	1	50901	5.67	70.0- 130.0	100.0	M
92 Anthracene									
178	8.316	8.316	0.000	1	47838	5.38	70.0- 130.0	100.0	M
95 Fluoranthene									
202	9.284	9.284	0.000	0	55554	5.41	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		
97 Pyrene									
202	9.447	9.447	0.000	0	53641	4.63	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	28109	5.24	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	43924	4.52	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.380	10.380	0.000	1	236590	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	10.392	10.392	0.000	0	38086	4.81	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.162	11.162	0.000	1	64035	4.56	70.0- 130.0	100.0	M
253	11.162	11.162	0.000		15229		0.0- 53.8	23.8	
107 Benzo[k]fluoranthene									
252	11.162	11.162	0.000	1	30985	2.05	70.0- 130.0	100.0	M
253	11.162	11.162	0.000		15229		0.0- 53.8	49.1	
108 Benzo[a]pyrene									
252	11.372	11.372	0.000	1	32138	5.21	70.0- 130.0	100.0	
253	11.372	11.372	0.000		7195		0.0- 53.3	22.4	
* 109 Perylene-d12									
264	11.407	11.407	0.000	1	173993	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.095	12.095	0.000	0	30701	4.69	70.0- 130.0	100.0	M
138	0.0	12.095	-12.095		0		0.0- 50.5		



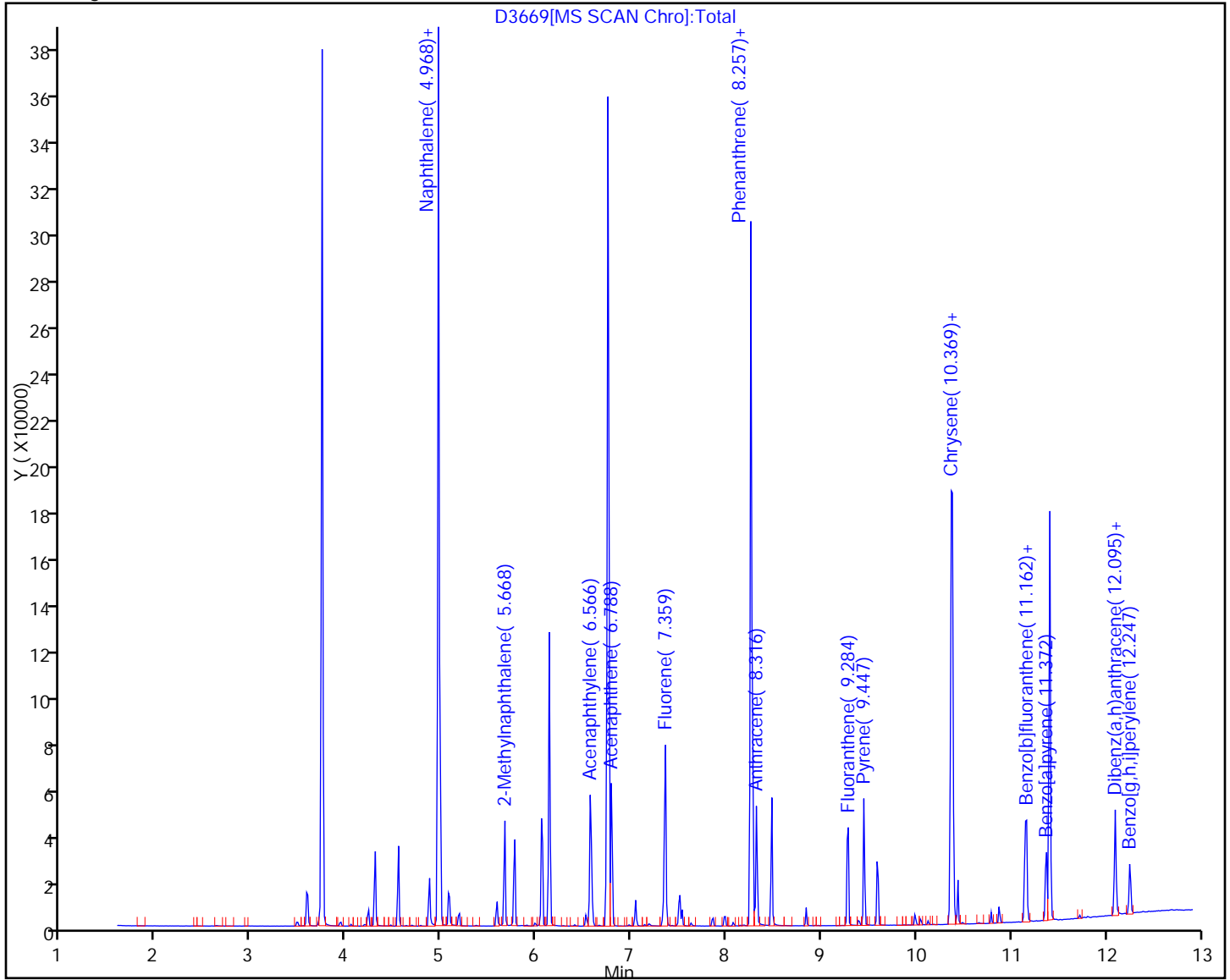
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	24965	4.81	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	25763	4.68	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

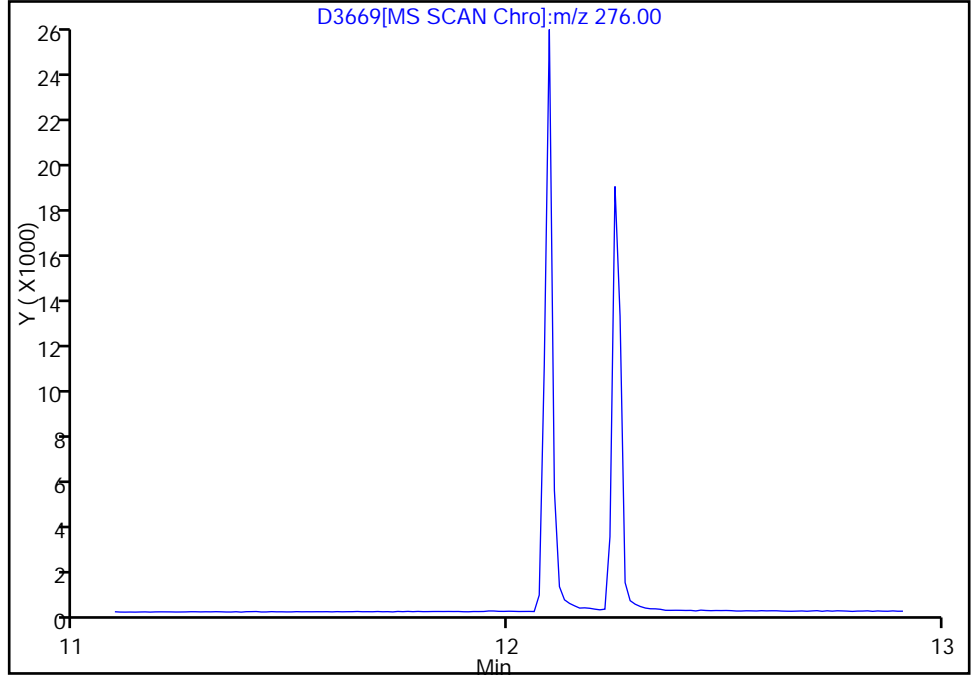


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.10

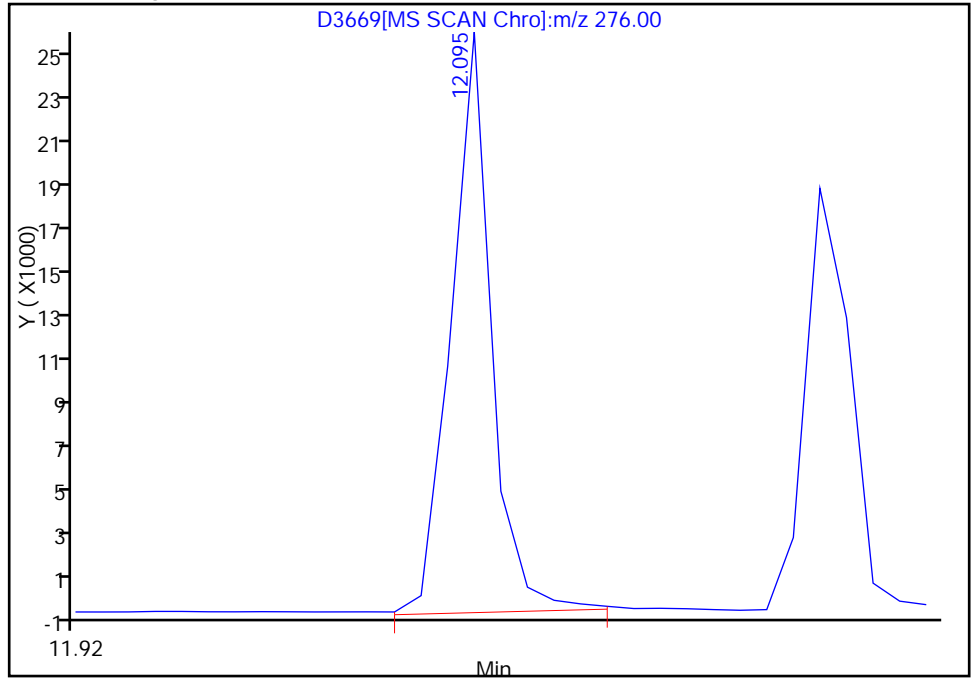
Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results

RT: 12.10  
Response: 30701  
Amount: 4.685949



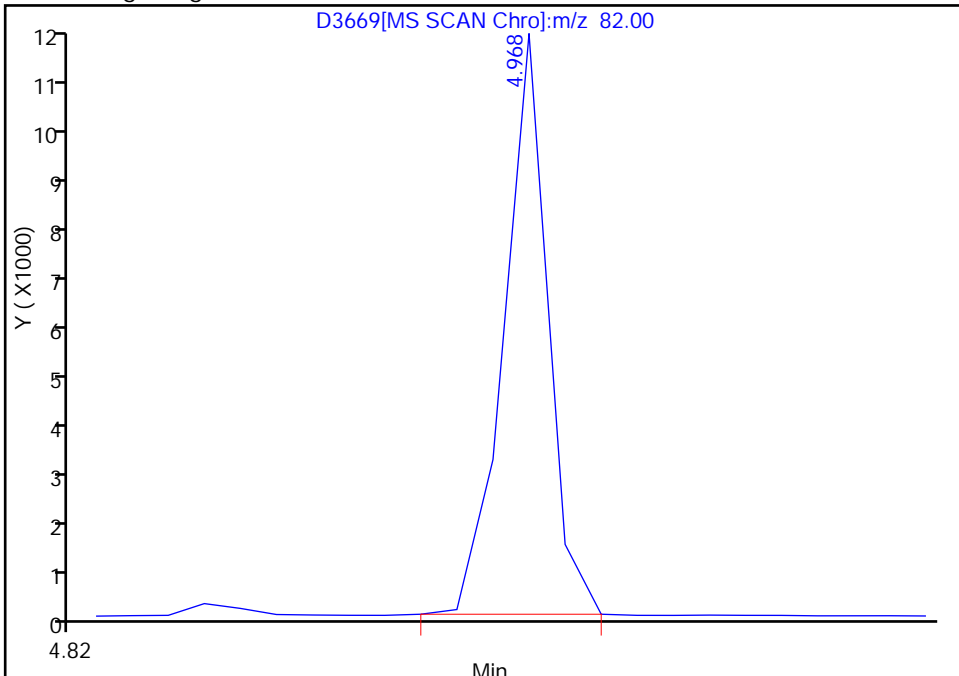
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

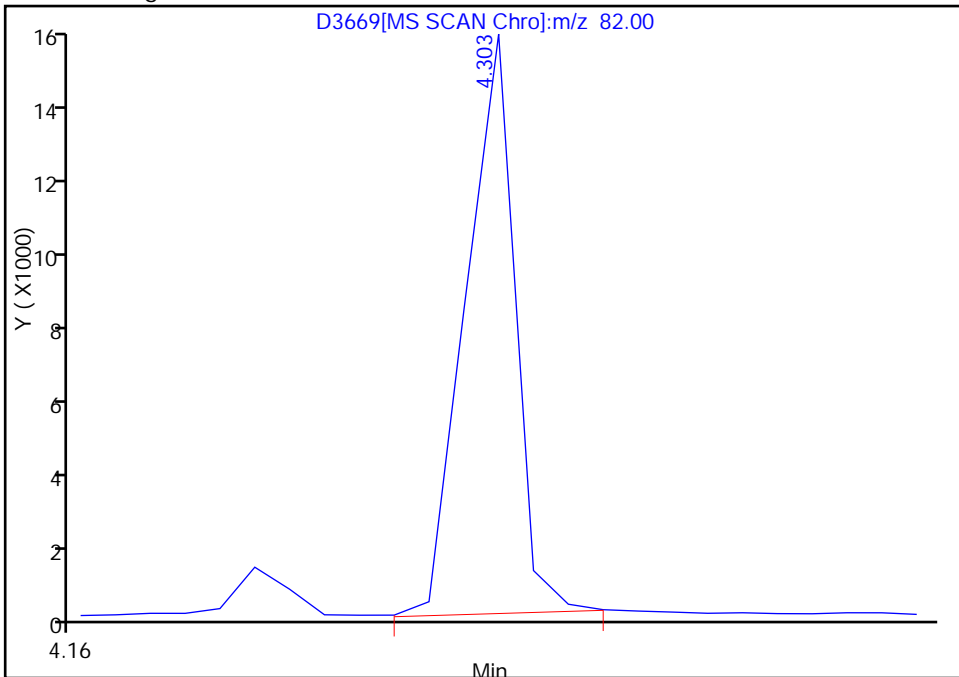
RT: 4.97  
Response: 11582  
Amount: 6.502548

Processing Integration Results



RT: 4.30  
Response: 17953  
Amount: 9.252106

Manual Integration Results



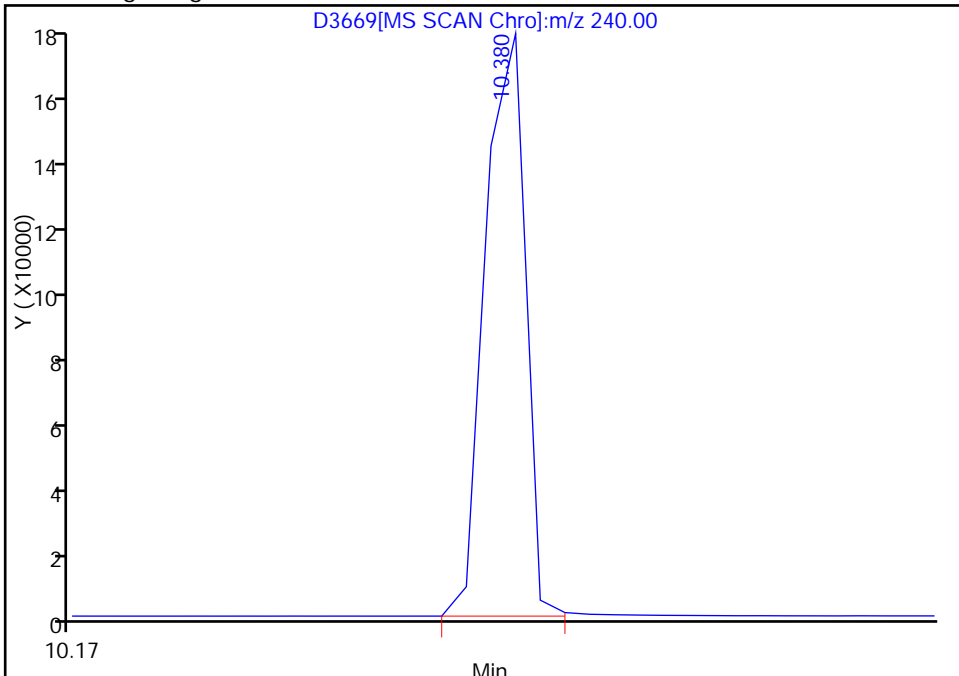
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

\* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.38

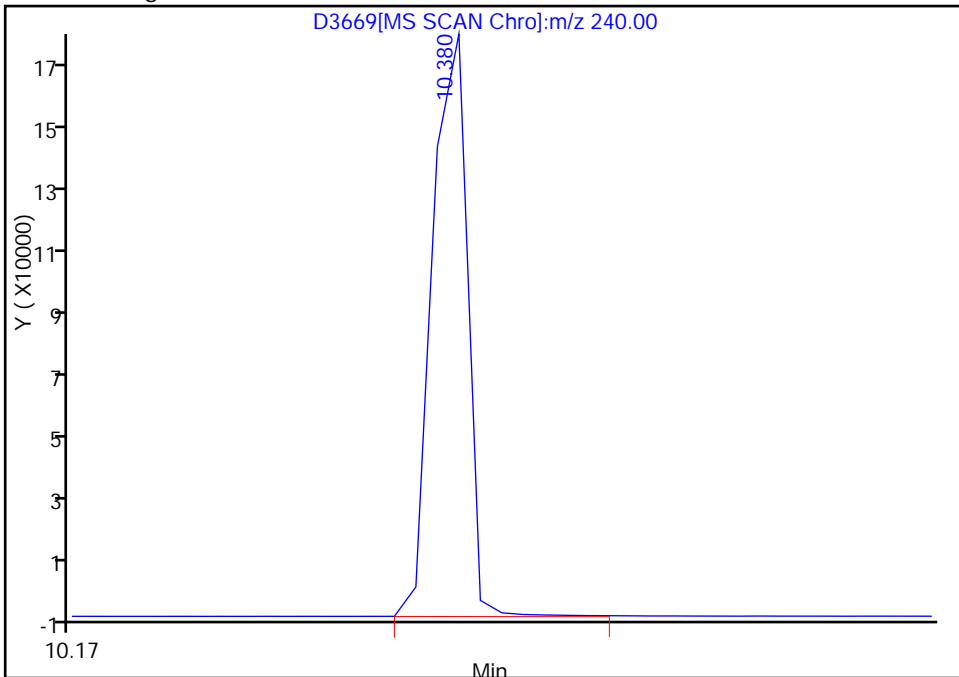
RT: 10.38  
Response: 234870  
Amount: 40.000000

Processing Integration Results



RT: 10.38  
Response: 236590  
Amount: 40.000000

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D

Injection Date: 29-Jan-2012 12:06:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

Lims Batch ID: 93035

Lims Sample ID: 5

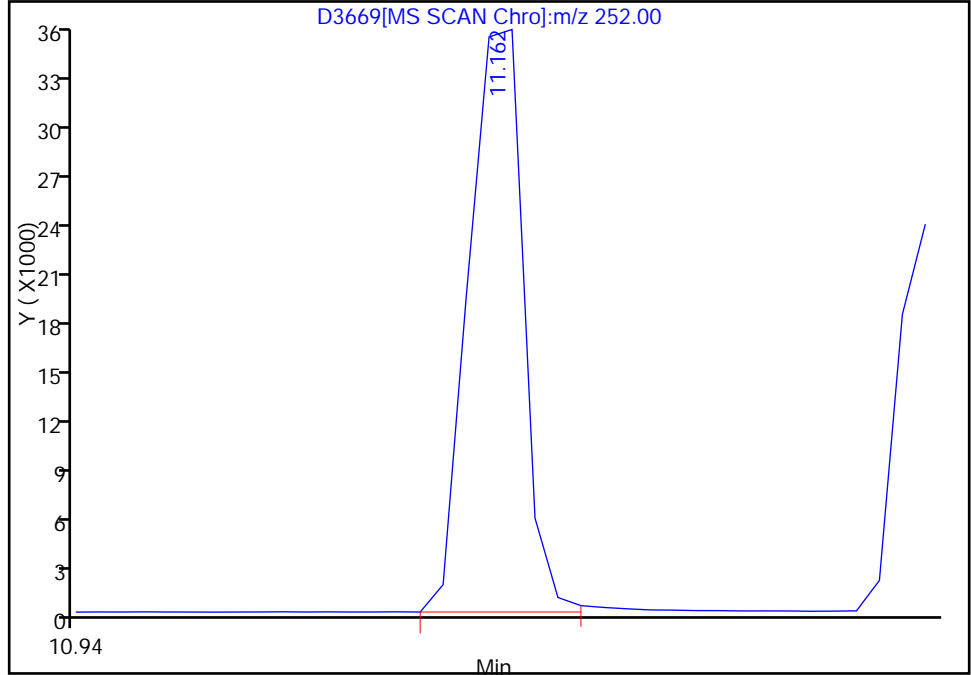
Operator ID: WDS

Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

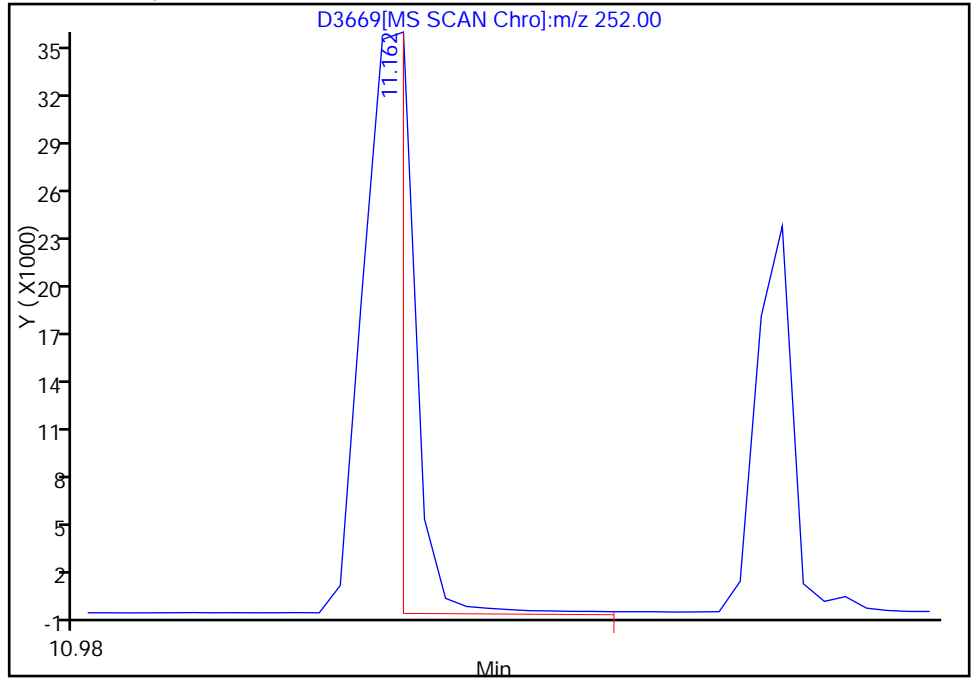
Processing Integration Results

RT: 11.16  
Response: 68789  
Amount: 4.965233



Manual Integration Results

RT: 11.16  
Response: 30985  
Amount: 2.046953



Reviewer: squiresb, 29-Jan-2012 19:56:28

Audit Action: Manually Integrated

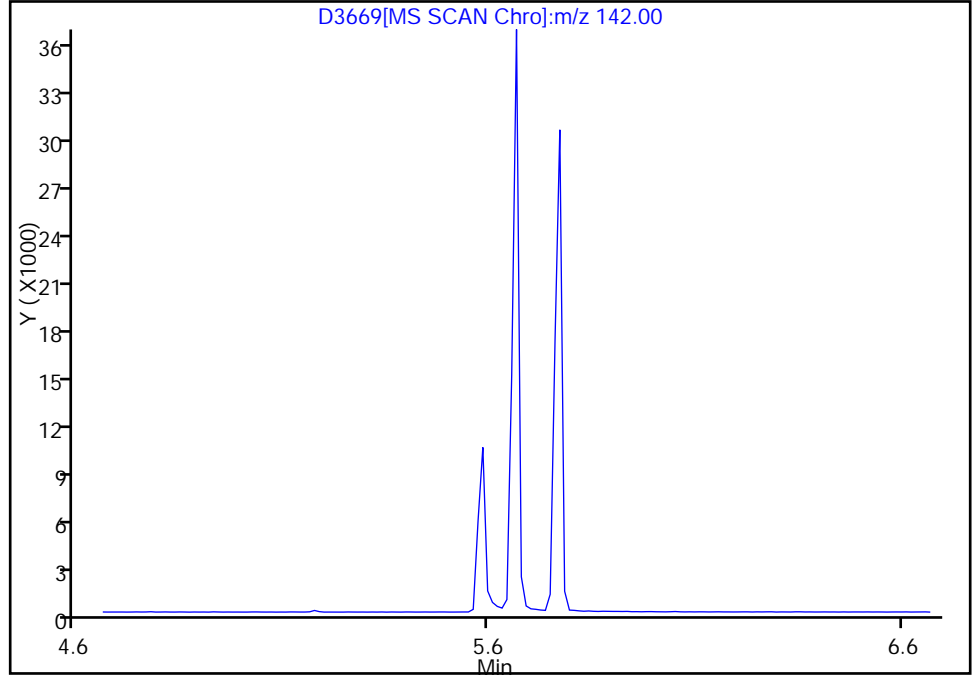
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

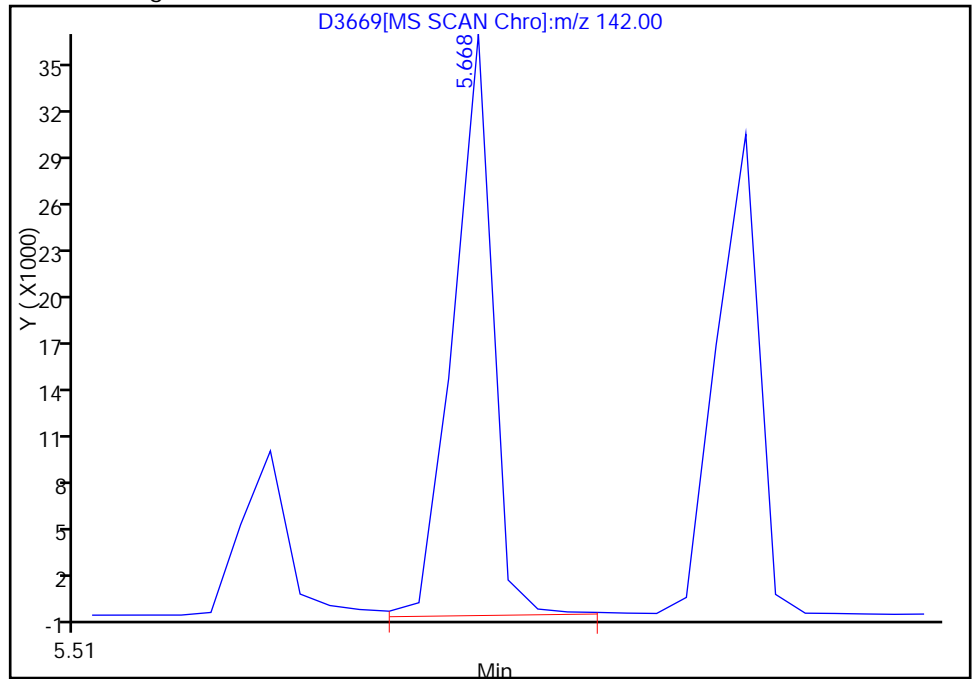
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 38829  
Amount: 5.337300



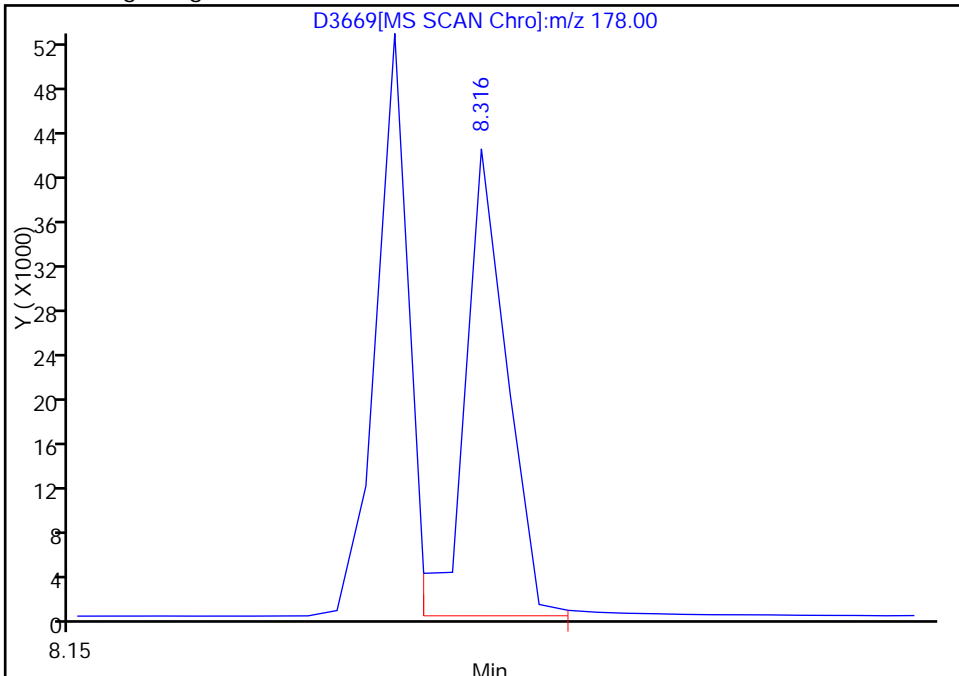
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 8.32

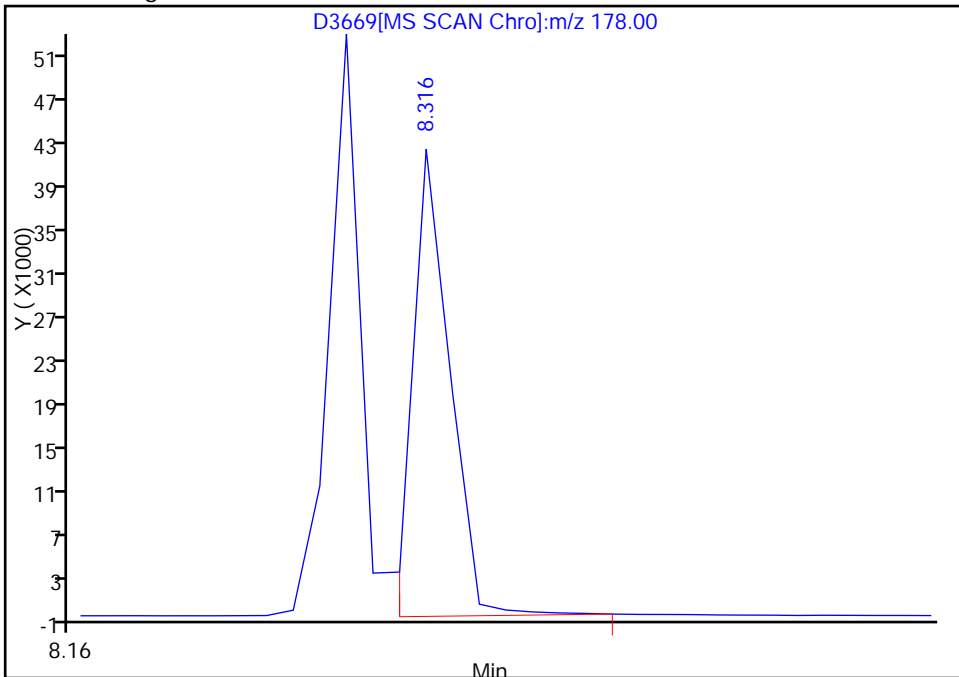
RT: 8.32  
Response: 49969  
Amount: 5.591332

Processing Integration Results



RT: 8.32  
Response: 47838  
Amount: 5.384982

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

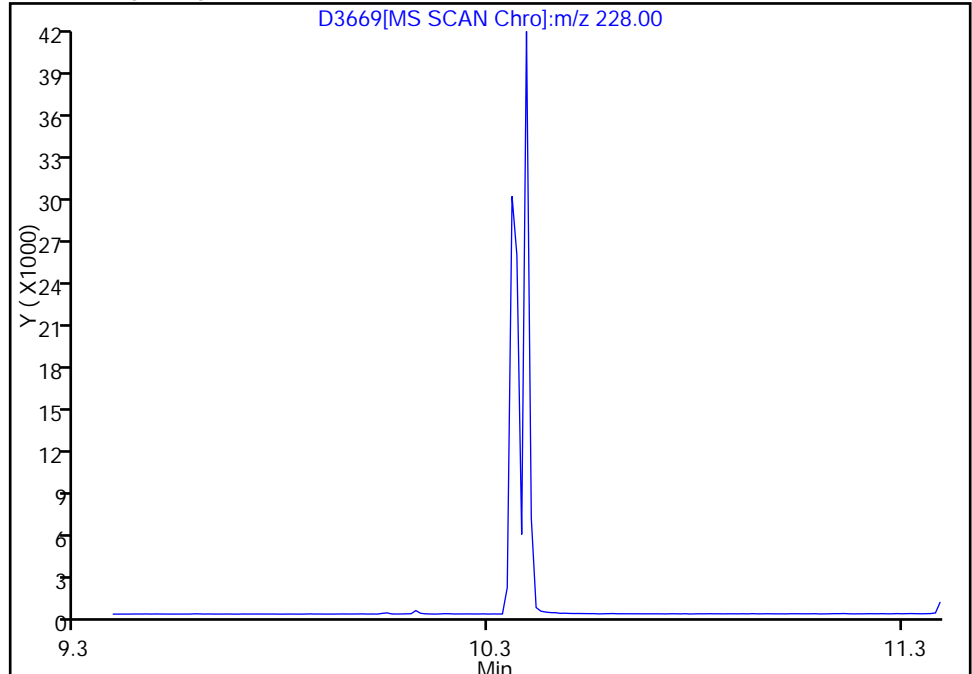


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

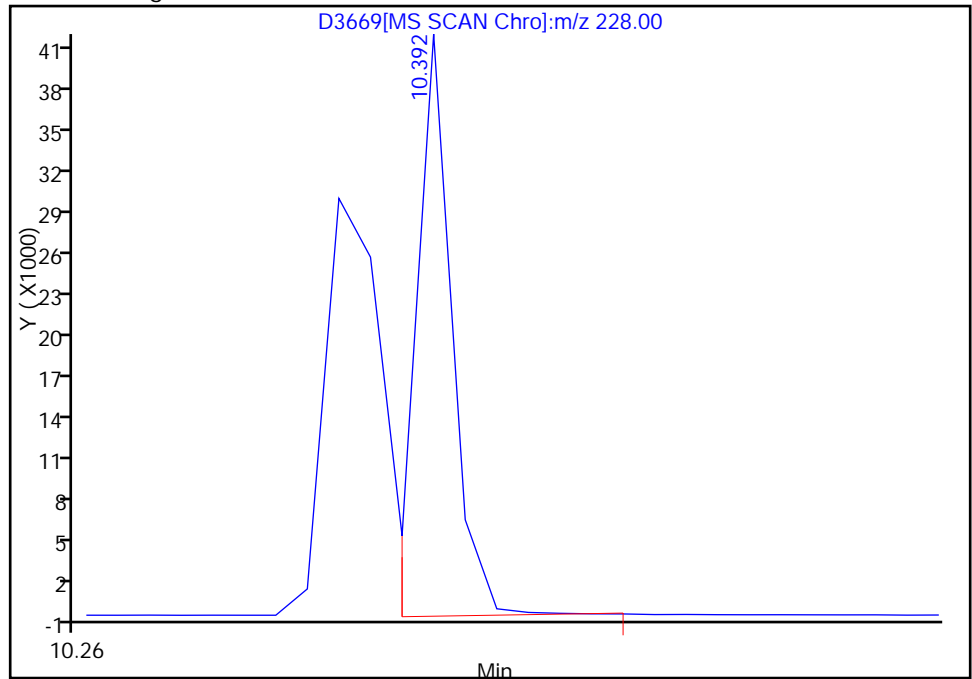
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 38086  
Amount: 4.812034



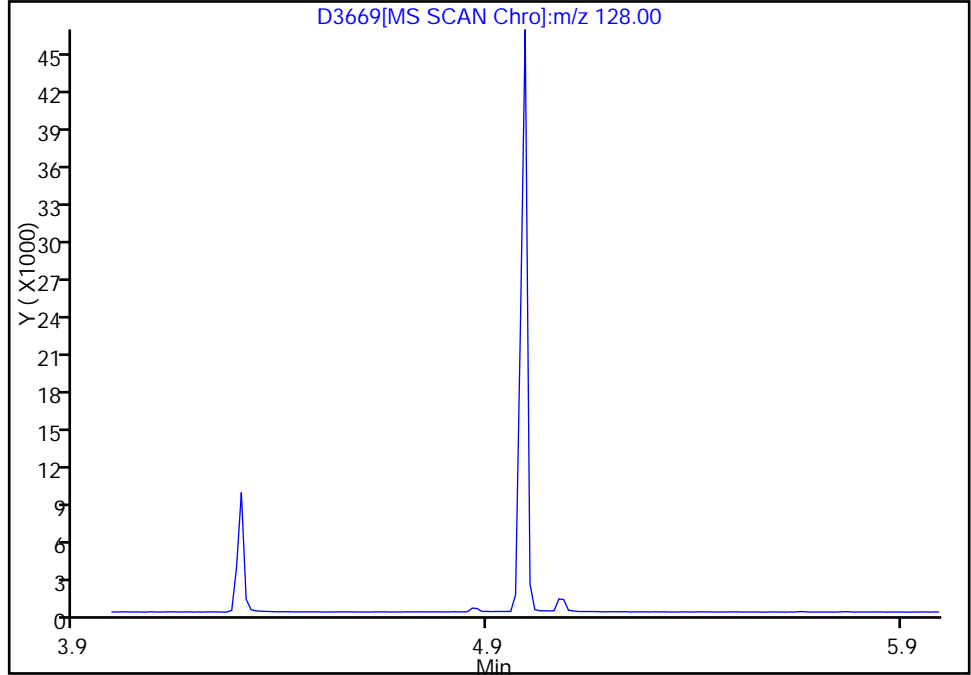
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

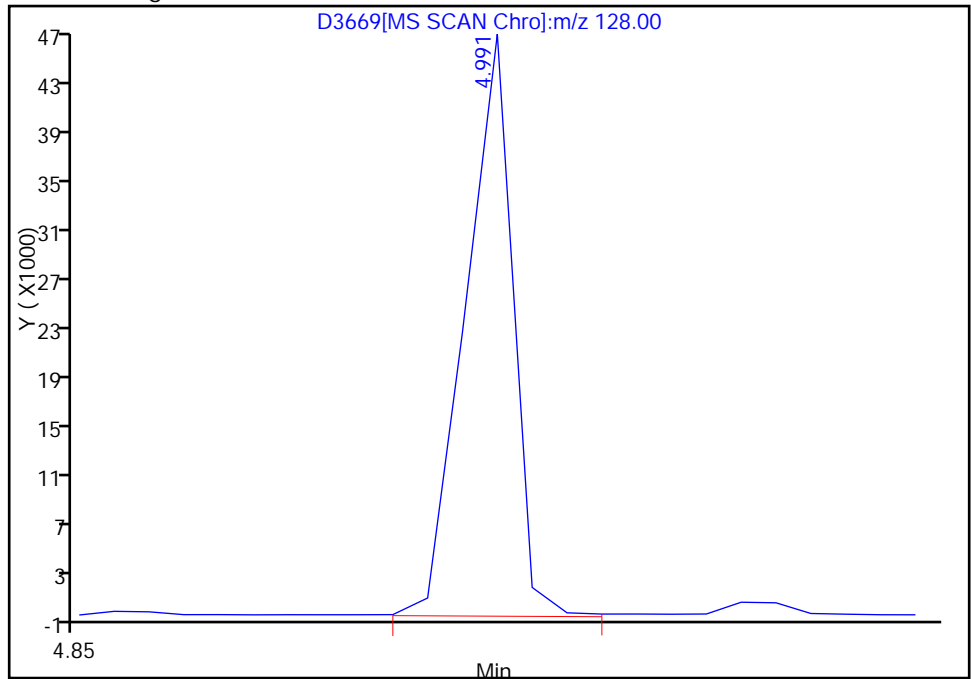
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 51329  
Amount: 4.890222



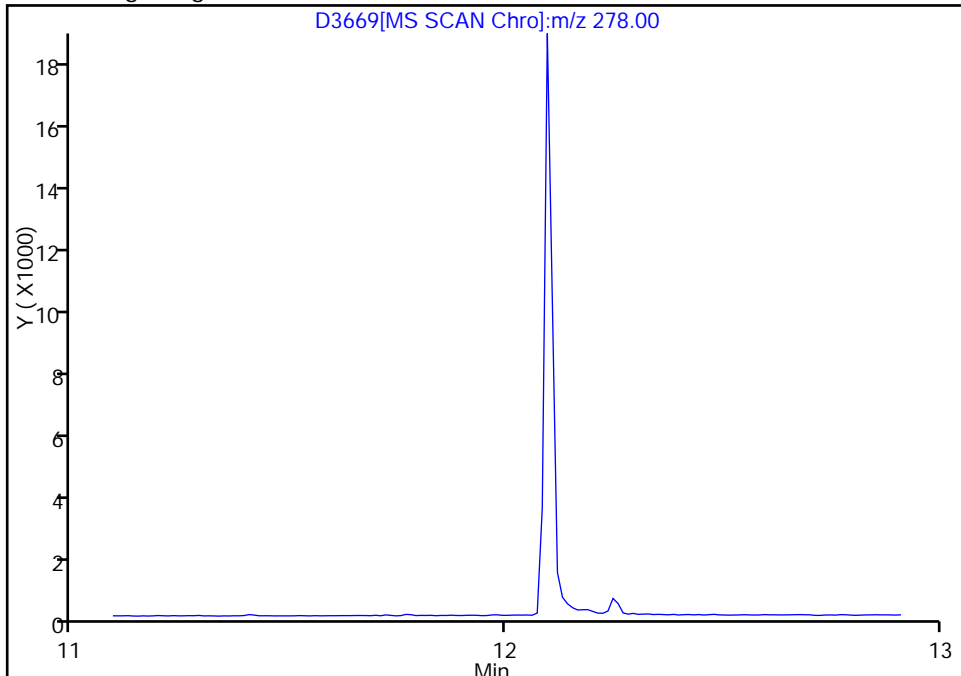
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

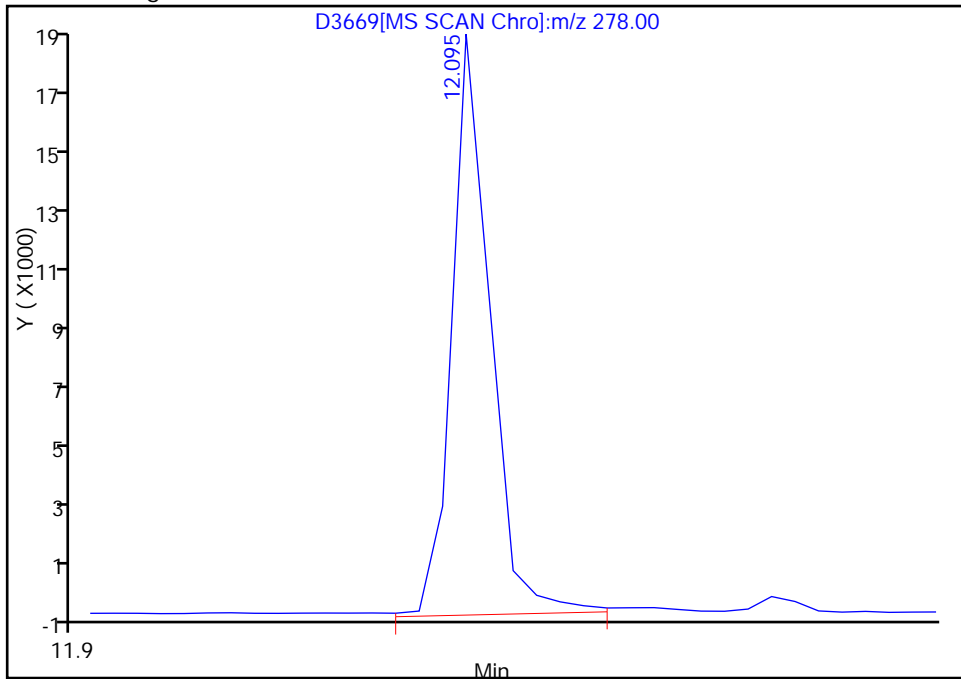
Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results

RT: 12.10  
Response: 24965  
Amount: 4.810446



Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D

Injection Date: 29-Jan-2012 12:06:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

Lims Batch ID: 93035

Lims Sample ID: 5

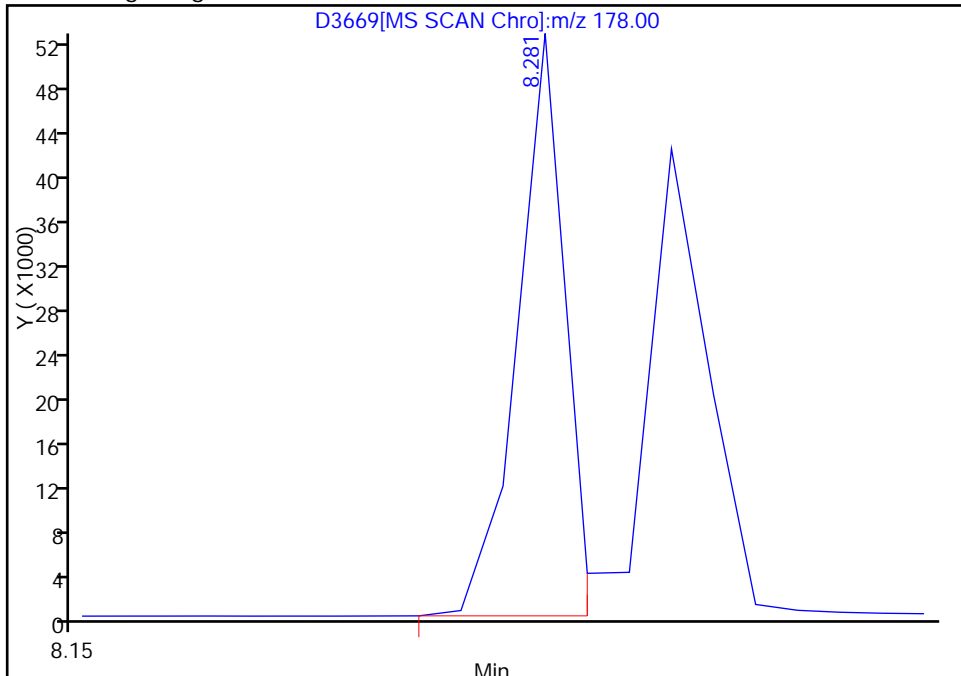
Operator ID: WDS

Injection Vol: 1.00 ul

91 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 8.28

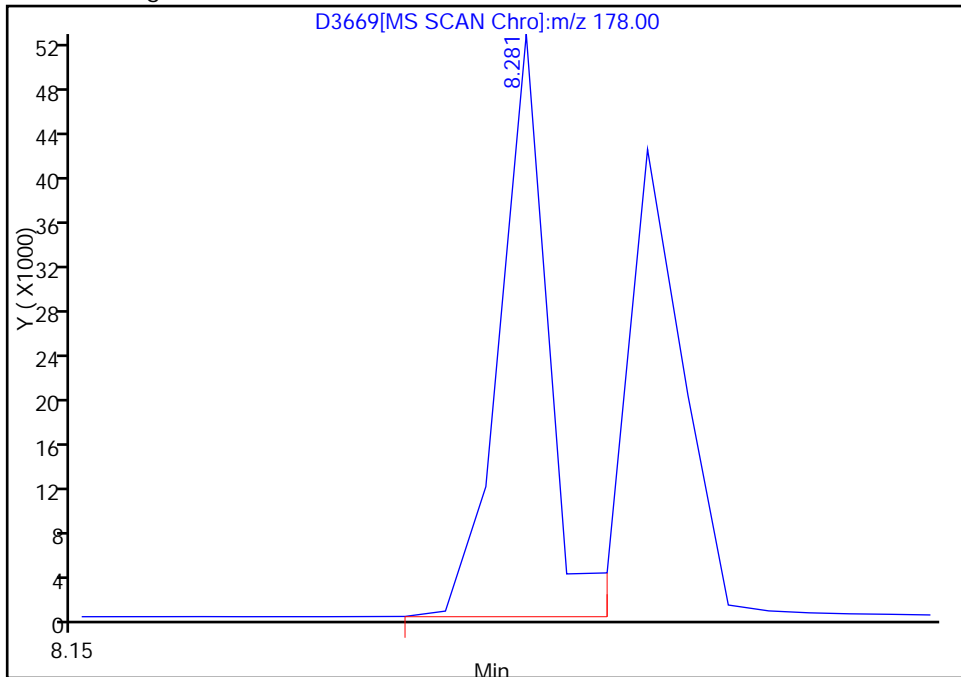
RT: 8.28  
Response: 48040  
Amount: 5.391604

Processing Integration Results



RT: 8.28  
Response: 50901  
Amount: 5.667206

Manual Integration Results



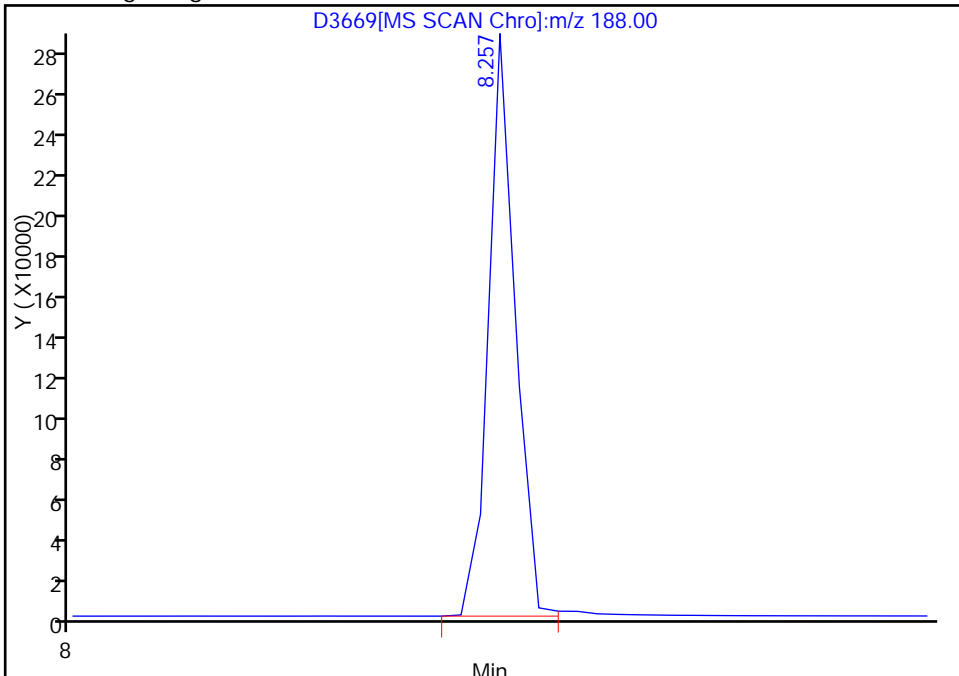
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

\* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 8.26

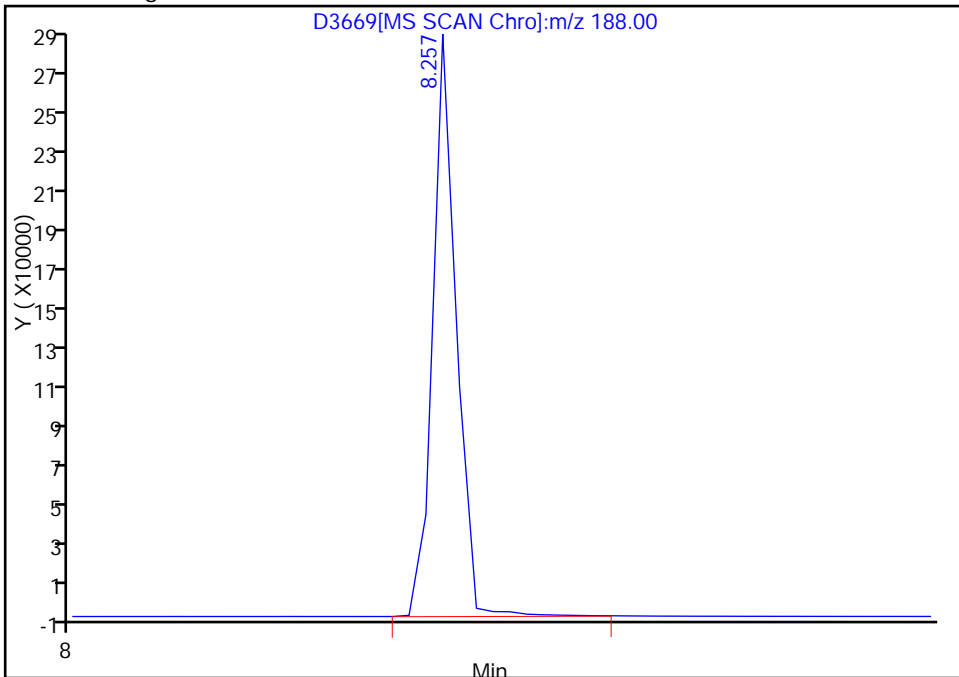
RT: 8.26  
Response: 322555  
Amount: 40.000000

Processing Integration Results



RT: 8.26  
Response: 326739  
Amount: 40.000000

Manual Integration Results



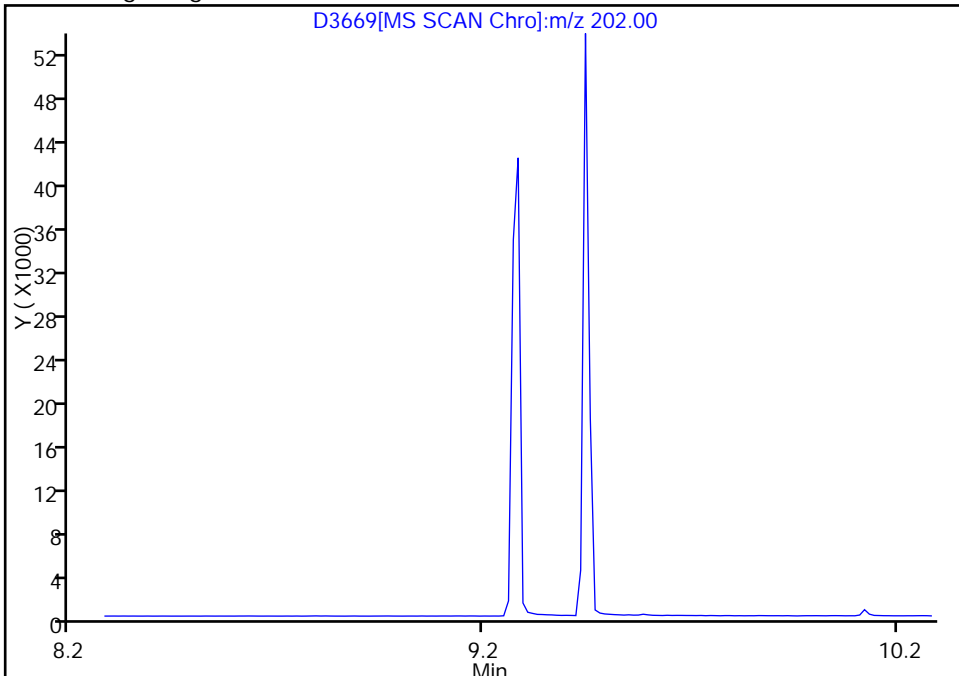
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

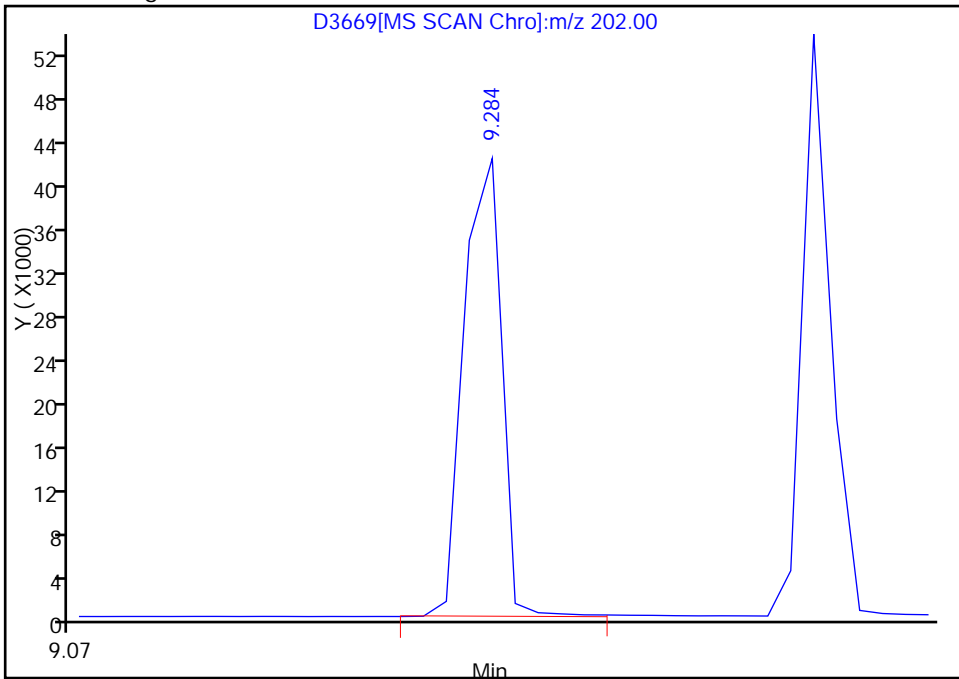
Not Detected  
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 55554  
Amount: 5.412639



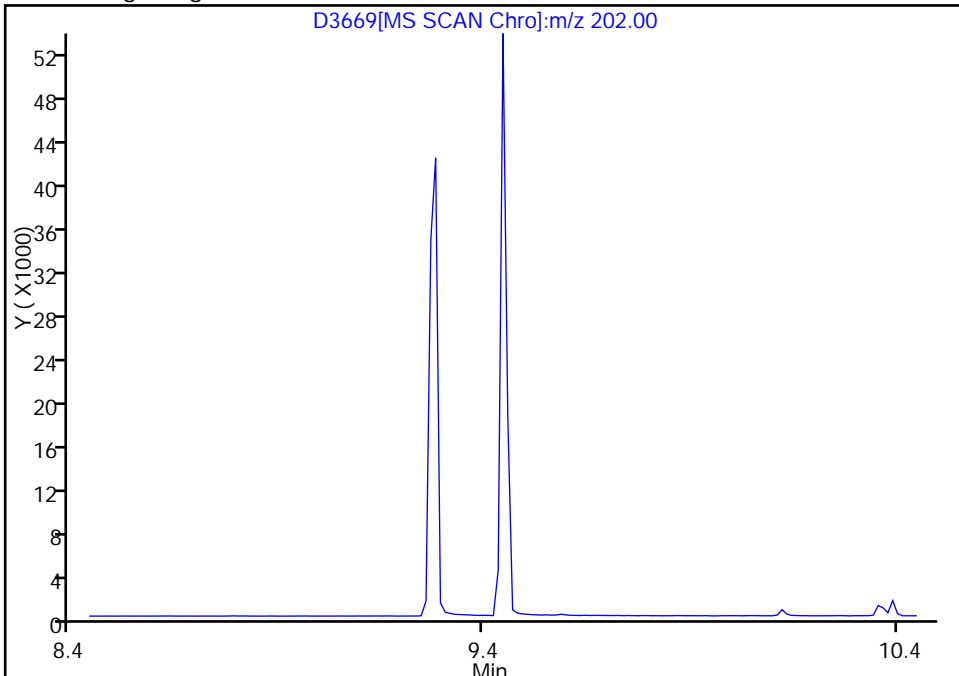
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

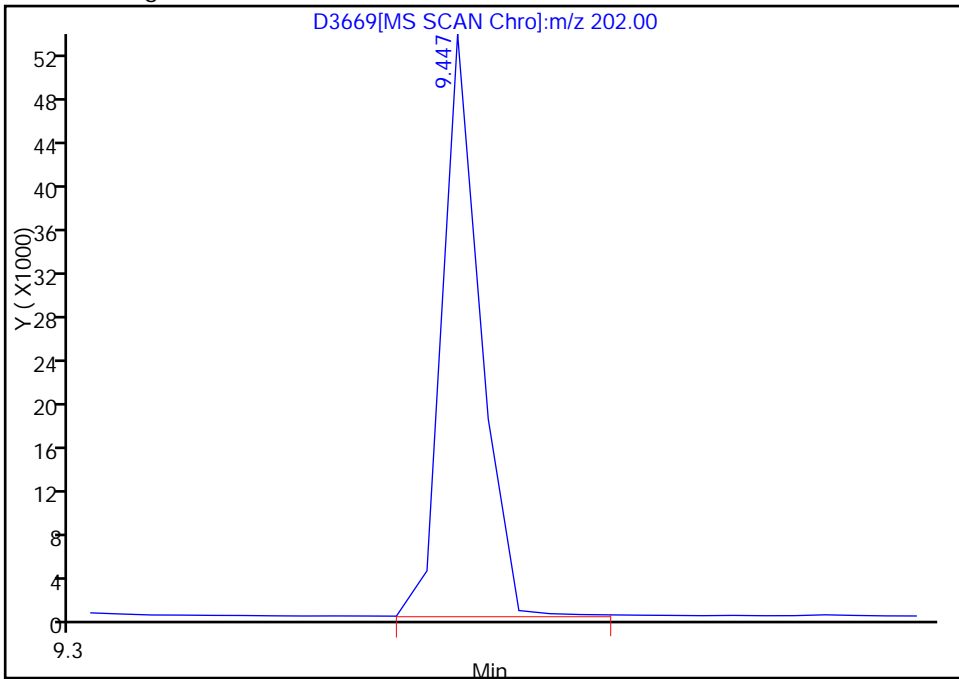
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 53641  
Amount: 4.628839



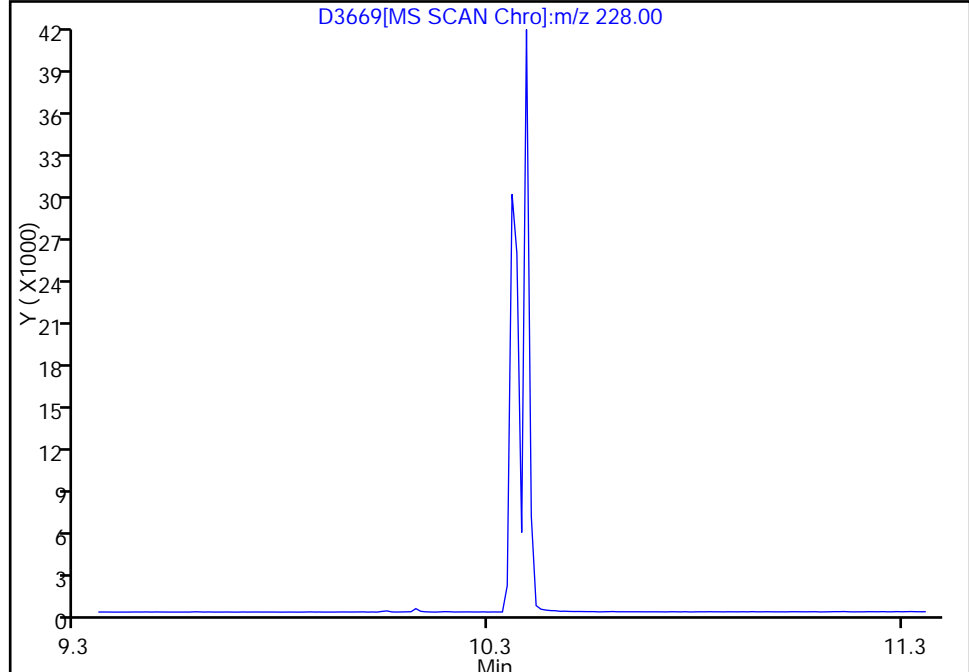
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

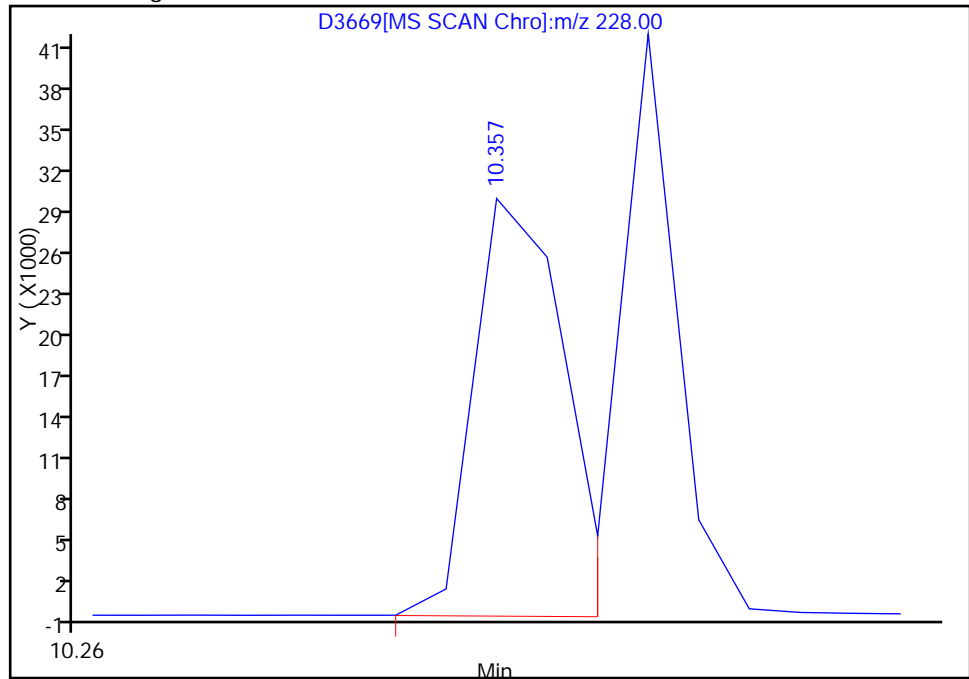
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 43924  
Amount: 4.524318



Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

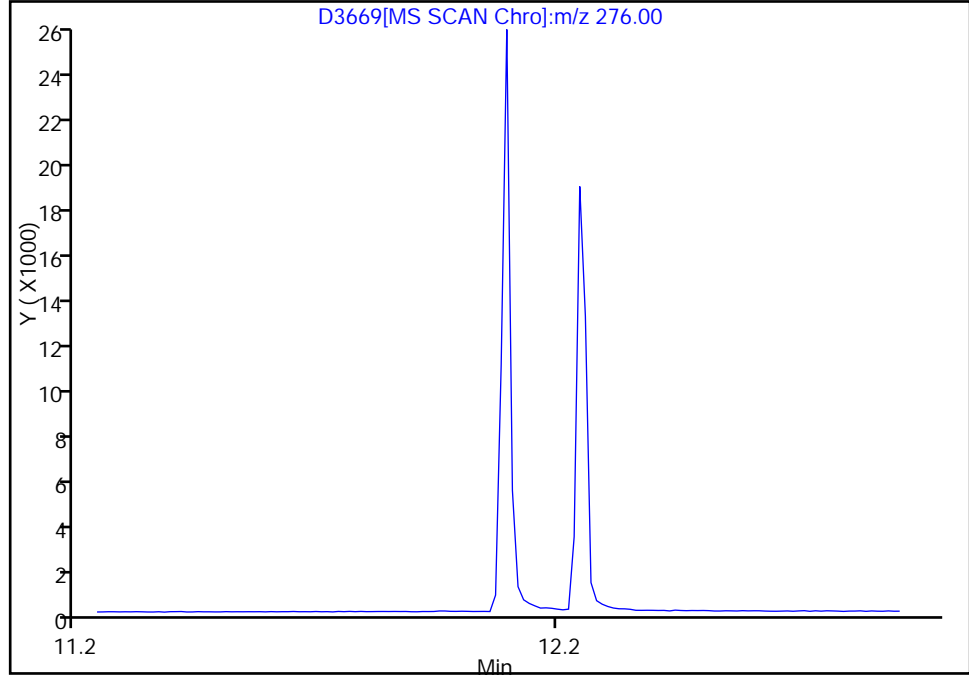


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

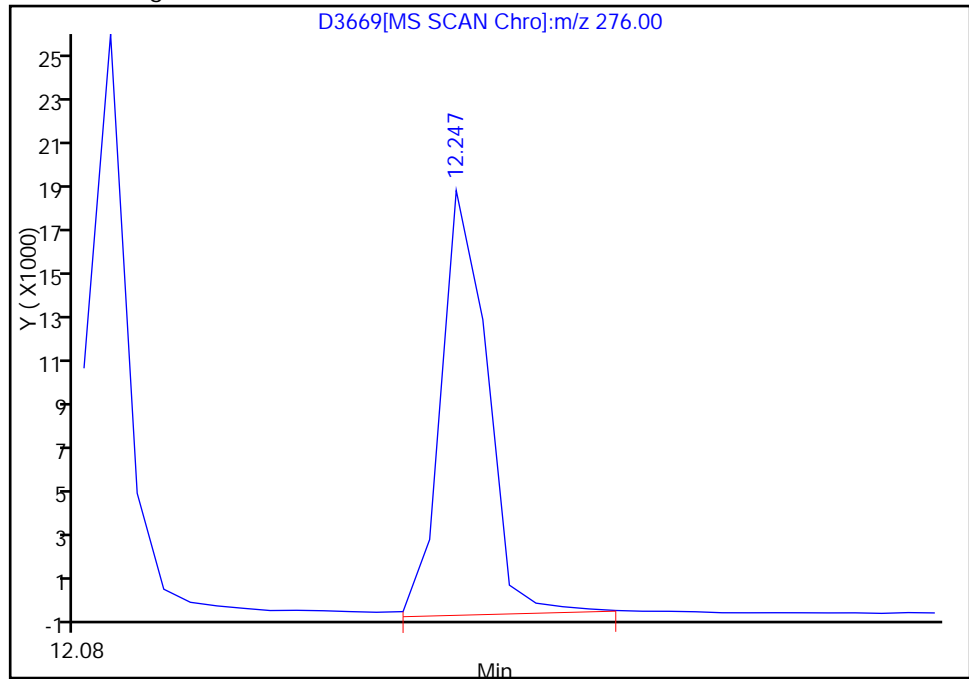
Not Detected  
Expected RT: 12.25

Processing Integration Results



RT: 12.25  
Response: 25763  
Amount: 4.679360

Manual Integration Results



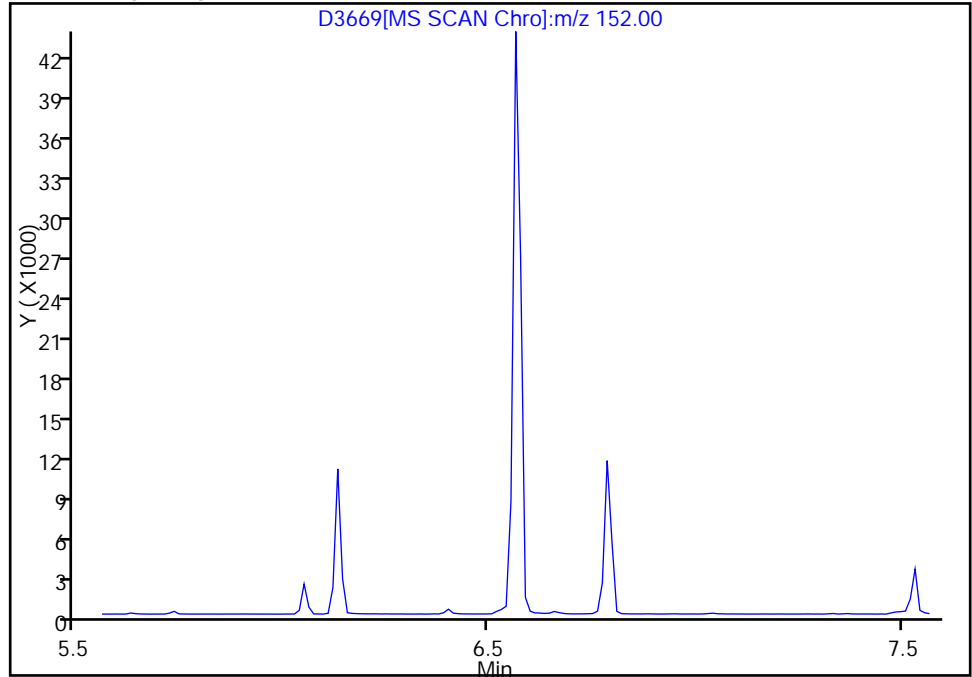
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

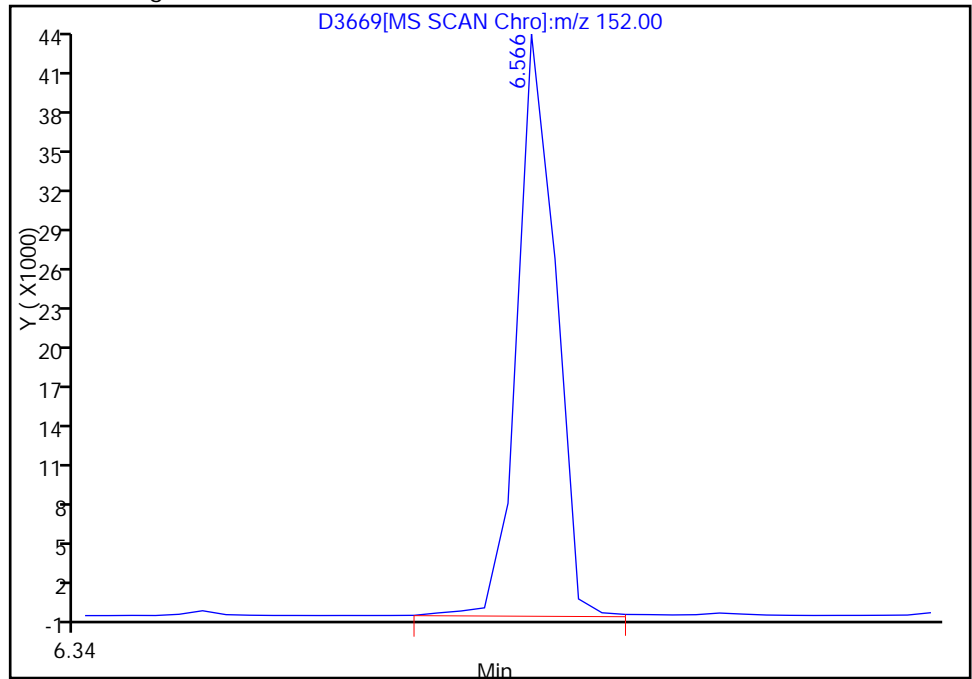
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 57594  
Amount: 4.919027



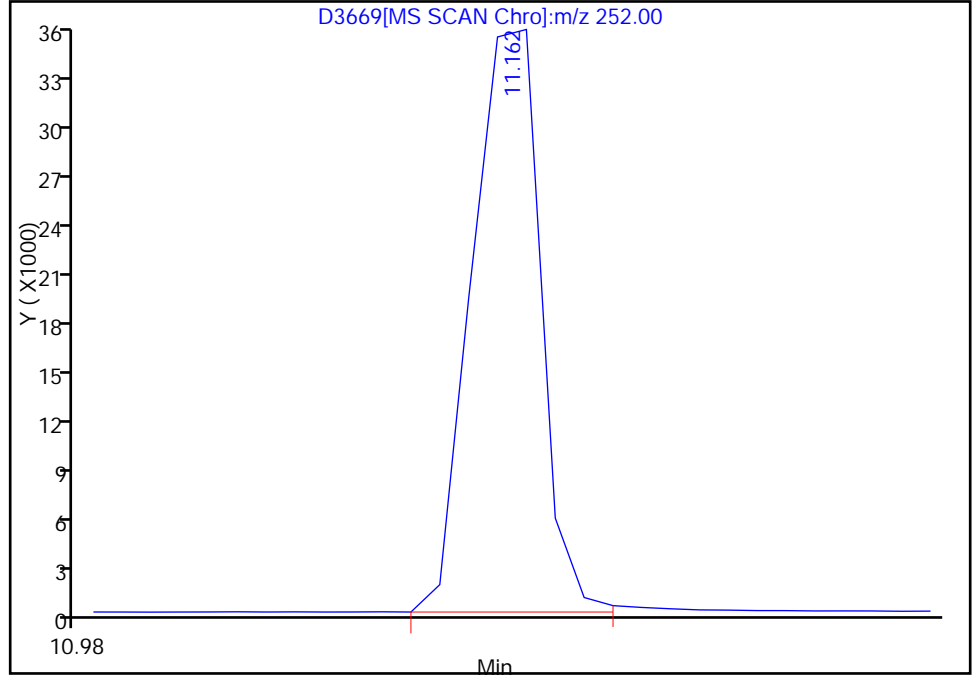
Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3669.D  
Injection Date: 29-Jan-2012 12:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 5  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

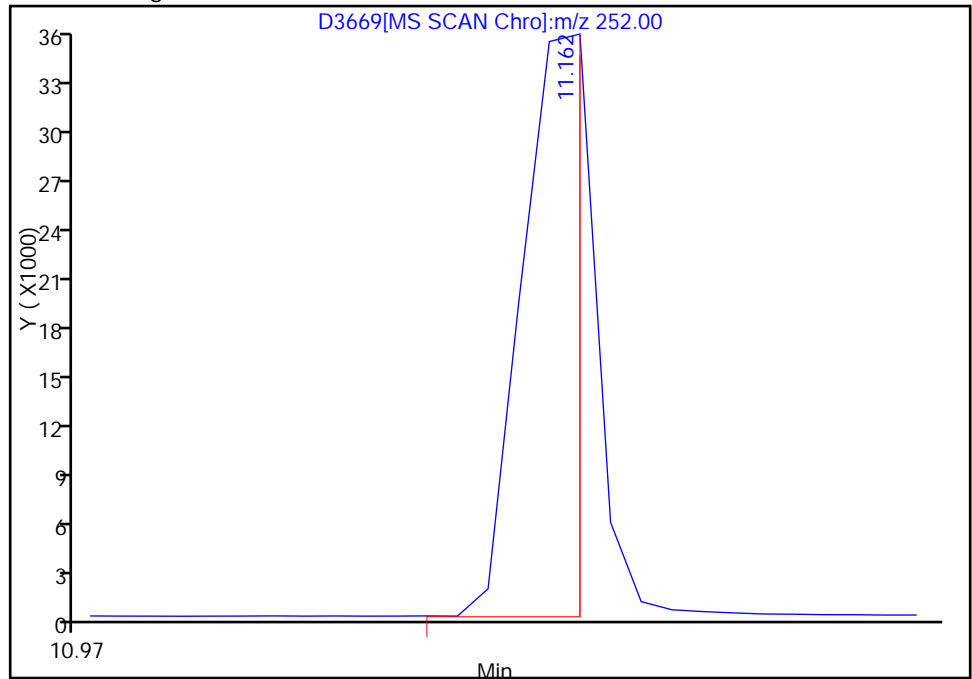
RT: 11.16  
Response: 68789  
Amount: 4.932624

Processing Integration Results



RT: 11.16  
Response: 64035  
Amount: 4.562355

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 19:56:28  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
 Lims ID: sstd010 Client ID:  
 Inject. Date: 29-Jan-2012 12:24:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: SSTD010  
 Misc. Info.: 510-0006247-006 =510-0006247-006  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 6  
 Lims Batch ID: 93035 Lims Sample ID: 6  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:00:11 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:00:11

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	142961	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		70894		19.6- 79.6	49.6
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	33759	15.5	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		90799		239.0- 299.0	269.0 M
	54	4.968	4.303	0.665		32098		65.1- 125.1	95.1
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	349793	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.992	4.992	0.000	0	91252	9.10	70.0- 130.0	100.0 M
	129	0.0	4.992	-4.992		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	63912	9.18	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.065	-0.012	1	71288	10.1		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	93048	9.20	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	188502	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		169148		59.7- 119.7	89.7

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	0	49498	10.0	70.0- 130.0	100.0	
152	6.788	6.788	0.000		23340		17.2- 77.2	47.2	
154	6.788	6.788	0.000		48417		67.8- 127.8	97.8	
80 Fluorene									
166	7.359	7.360	-0.001	21	64668	10.2	70.0- 130.0	100.0	
165	7.359	7.360	-0.001		57308		58.6- 118.6	88.6	
* 90 Phenanthrene-d10									
188	8.258	8.257	0.001	1	283302	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	75926	9.75	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	80521	10.5	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.272	9.272	0.000	0	83054	9.46	70.0- 130.0	100.0	M
101	0.0	9.272	-9.272		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	87062	9.33	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	43372	9.87	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	71099	9.13	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.380	-0.011	1	193813	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	59601	9.34	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.150	11.150	0.000	1	101947	9.87	70.0- 130.0	100.0	M
253	11.150	11.150	0.000		25070		0.0- 54.6	24.6	
107 Benzo[k]fluoranthene									
252	11.162	11.162	0.000	1	45340	5.53	70.0- 130.0	100.0	M
253	11.150	11.162	-0.012		25070		25.3- 85.3	55.3	
108 Benzo[a]pyrene									
252	11.372	11.361	0.012	1	50508	9.60	70.0- 130.0	100.0	
253	11.372	11.361	0.012		11237		0.0- 52.2	22.2	
* 109 Perylene-d12									
264	11.407	11.407	0.000	1	148582	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.095	12.095	0.000	0	50331	9.18	70.0- 130.0	100.0	M
138	0.0	12.095	-12.095		0		0.0- 50.5		M

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D

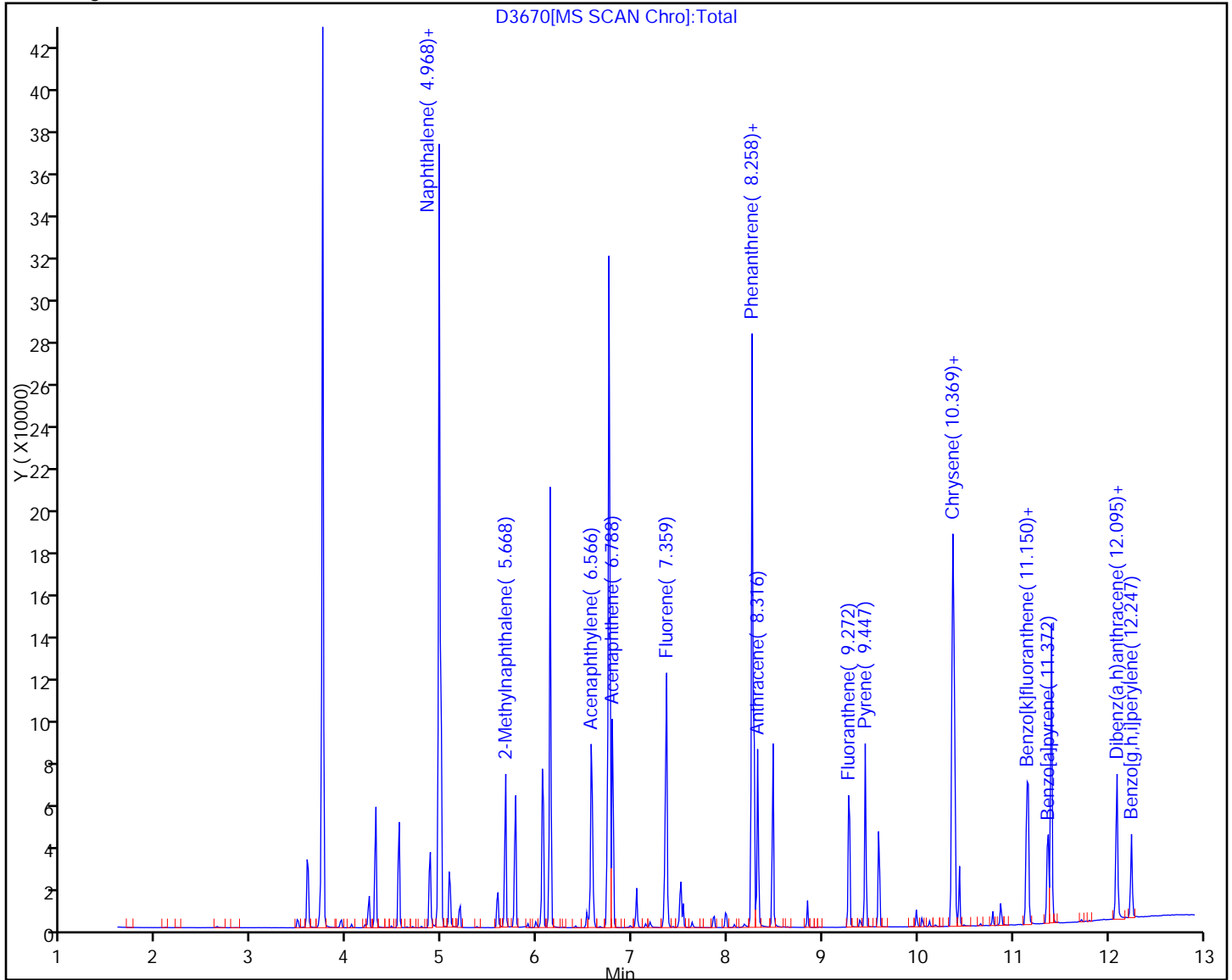
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	41674	9.52	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	43642	9.42	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

## QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

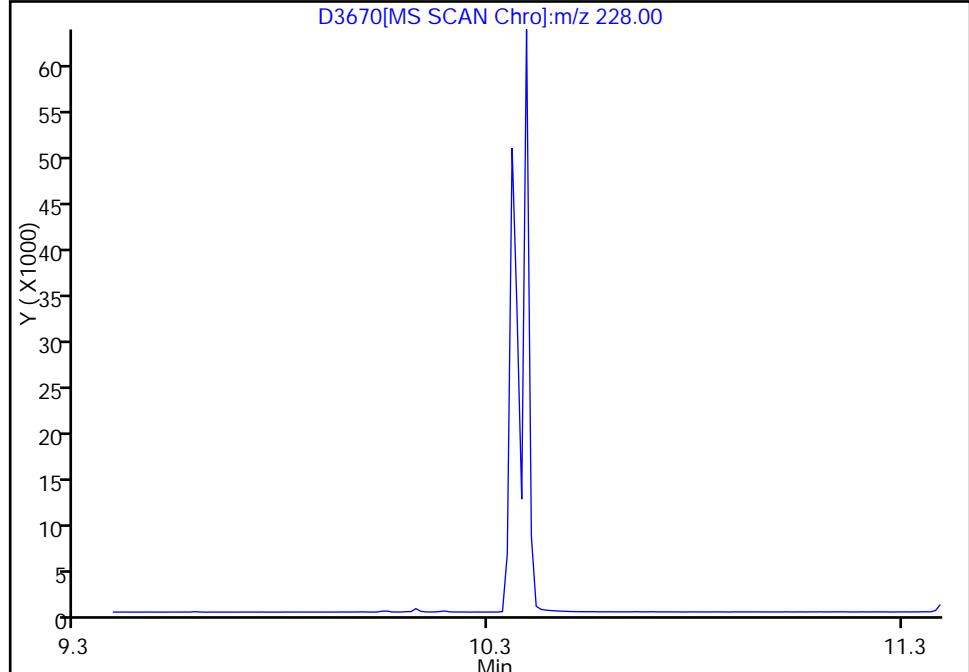


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

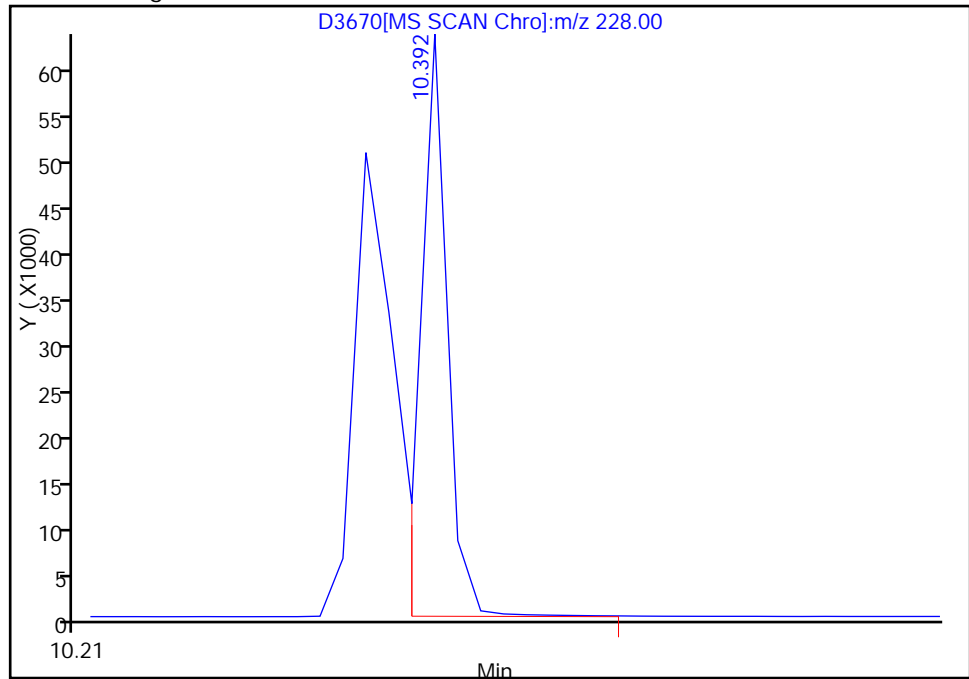
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 59601  
Amount: 9.343339



Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

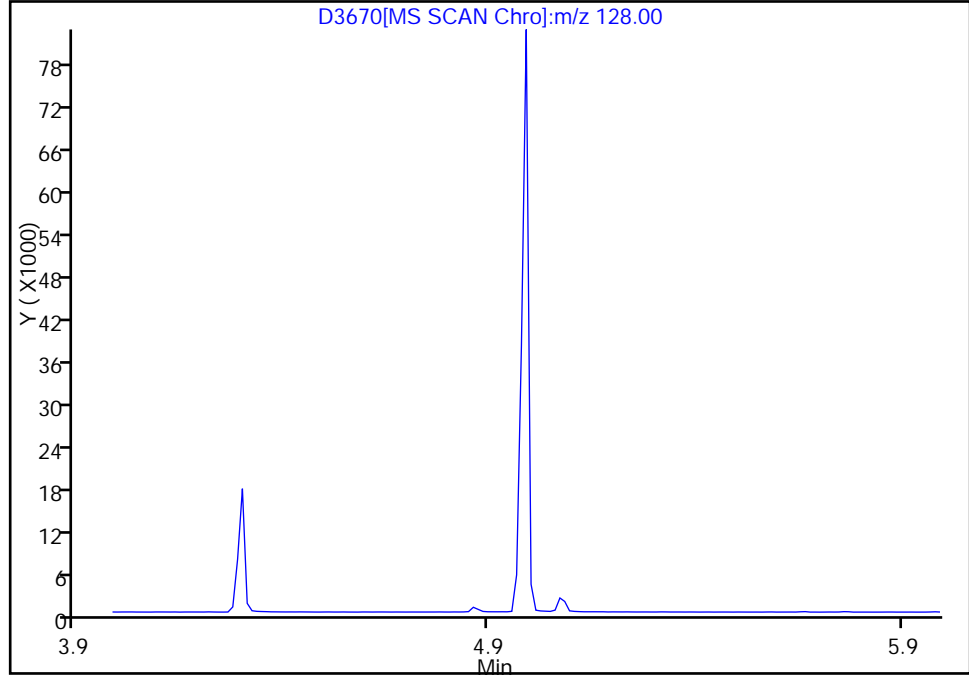


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

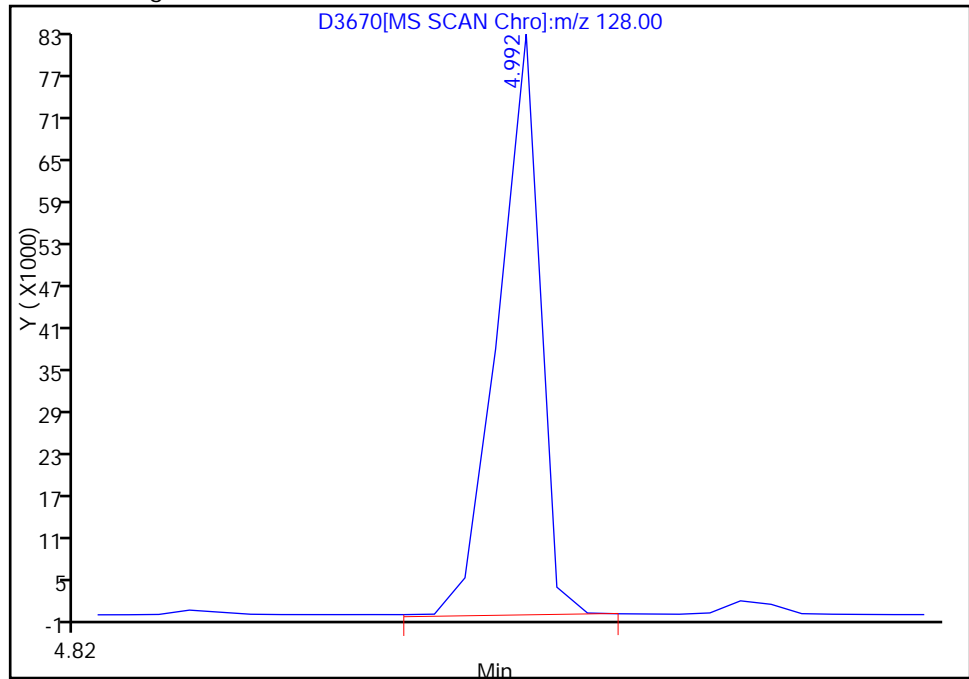
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 91252  
Amount: 9.100523



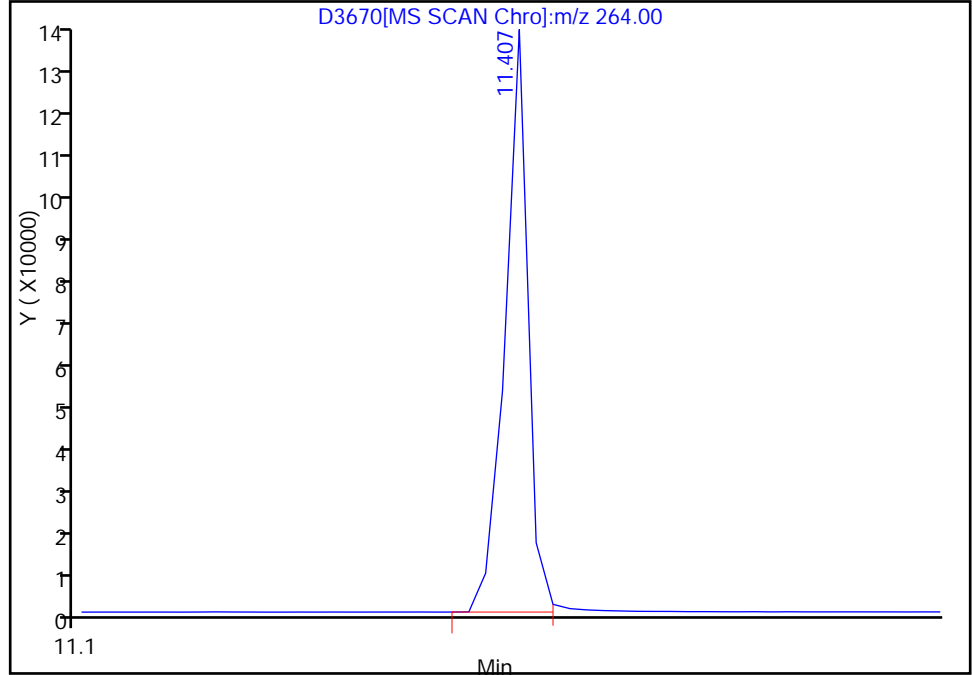
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

\* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.41

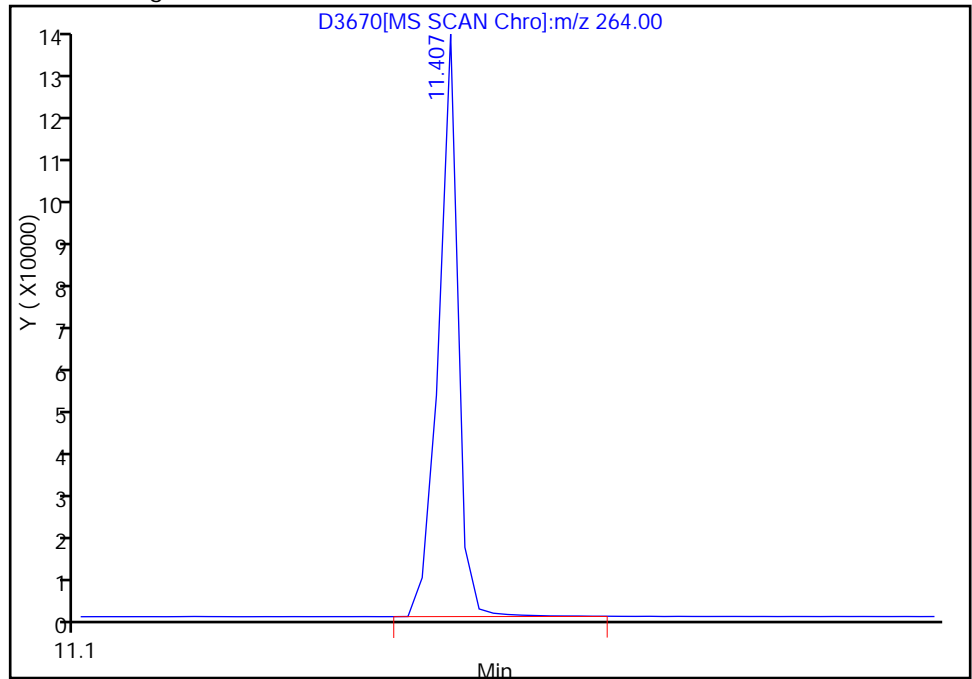
RT: 11.41  
Response: 147093  
Amount: 40.000000

Processing Integration Results



RT: 11.41  
Response: 148582  
Amount: 40.000000

Manual Integration Results



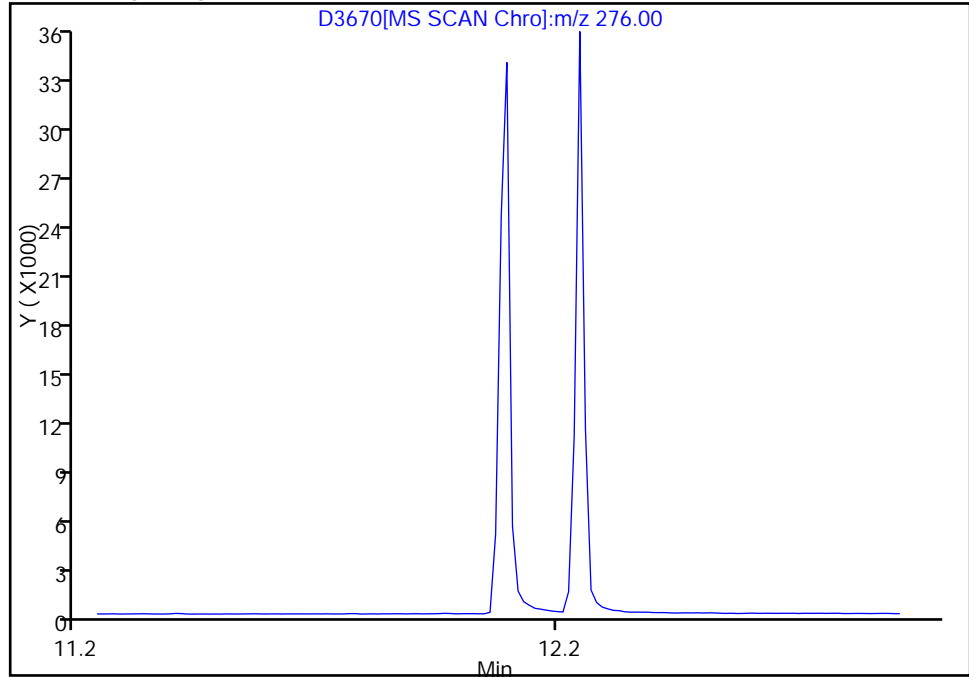
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

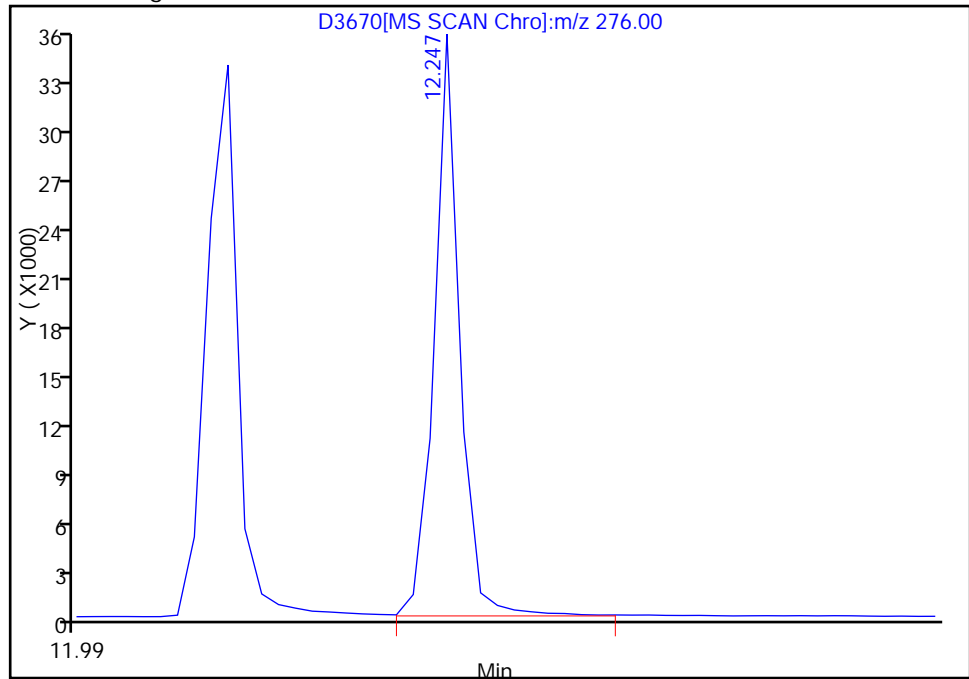
Not Detected  
Expected RT: 12.25

Processing Integration Results



Manual Integration Results

RT: 12.25  
Response: 43642  
Amount: 9.417561



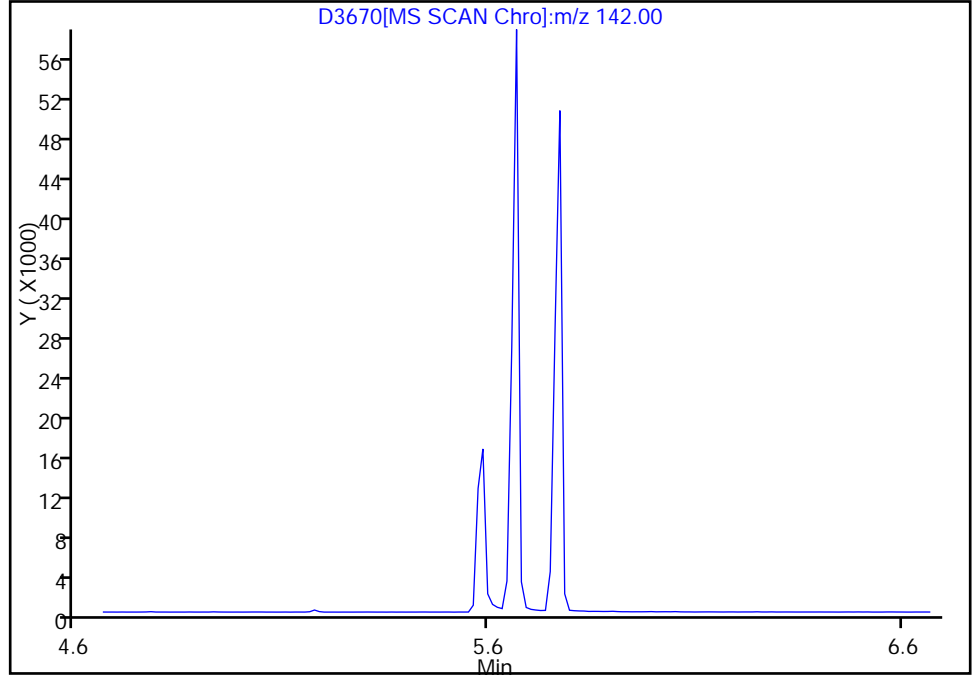
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

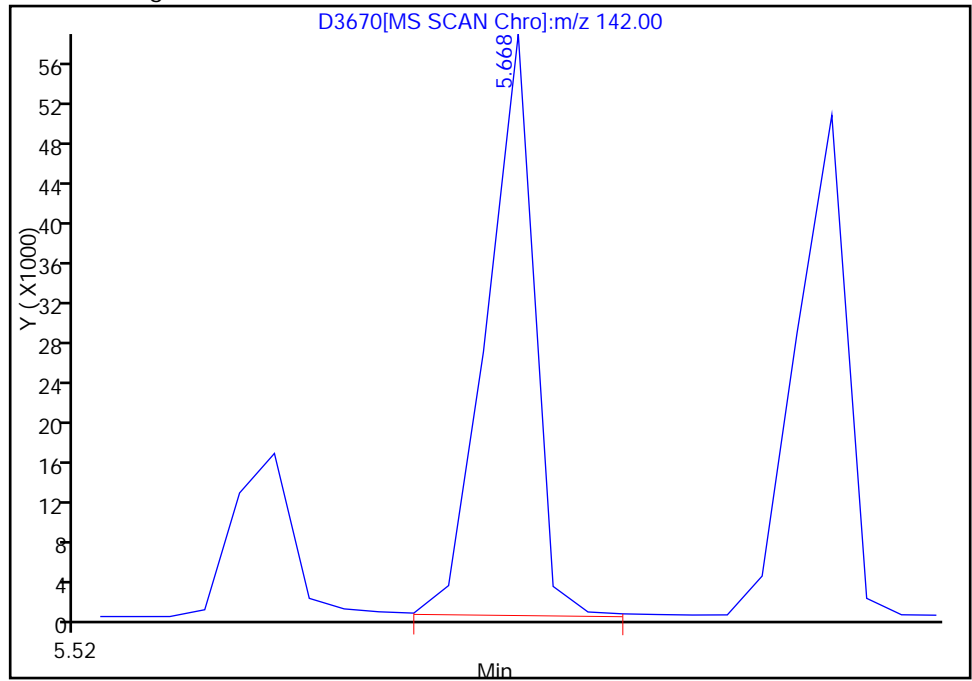
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 63912  
Amount: 9.178595



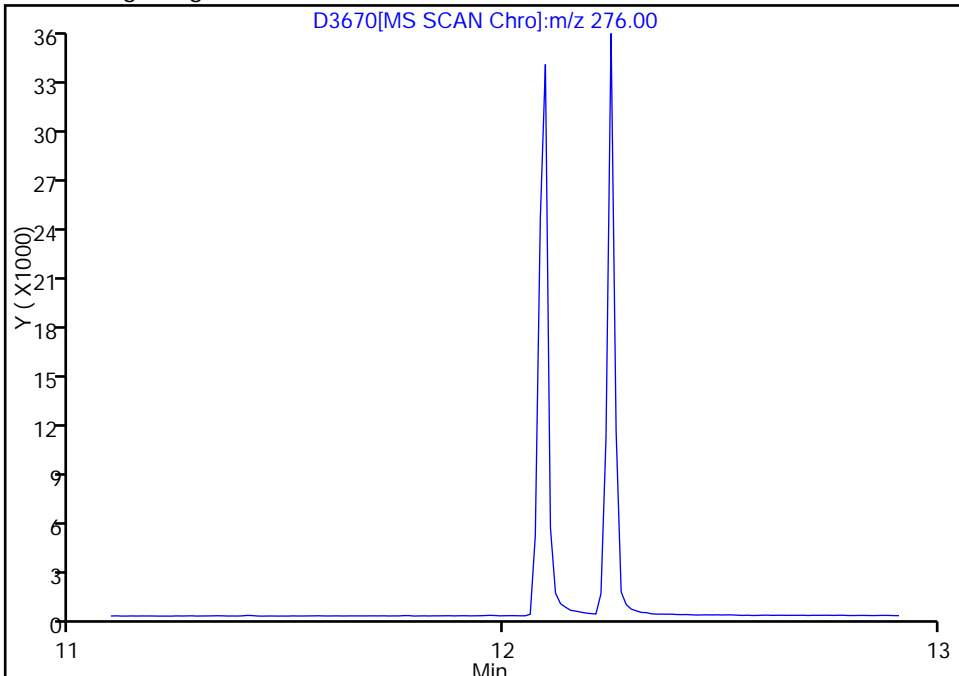
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

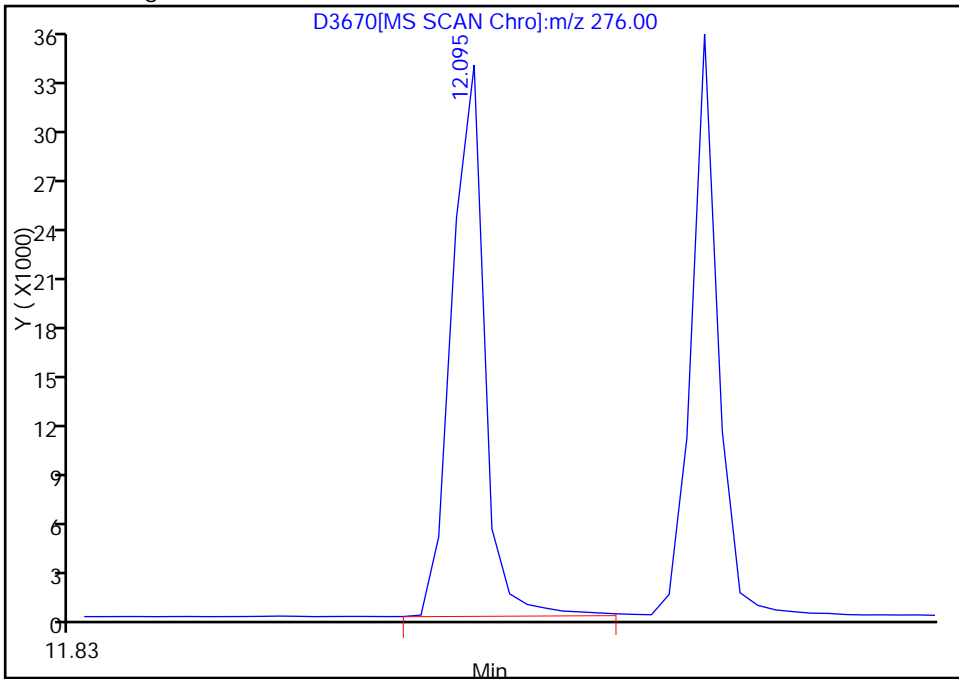
110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.10

Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results



RT: 12.10  
Response: 50331  
Amount: 9.180285

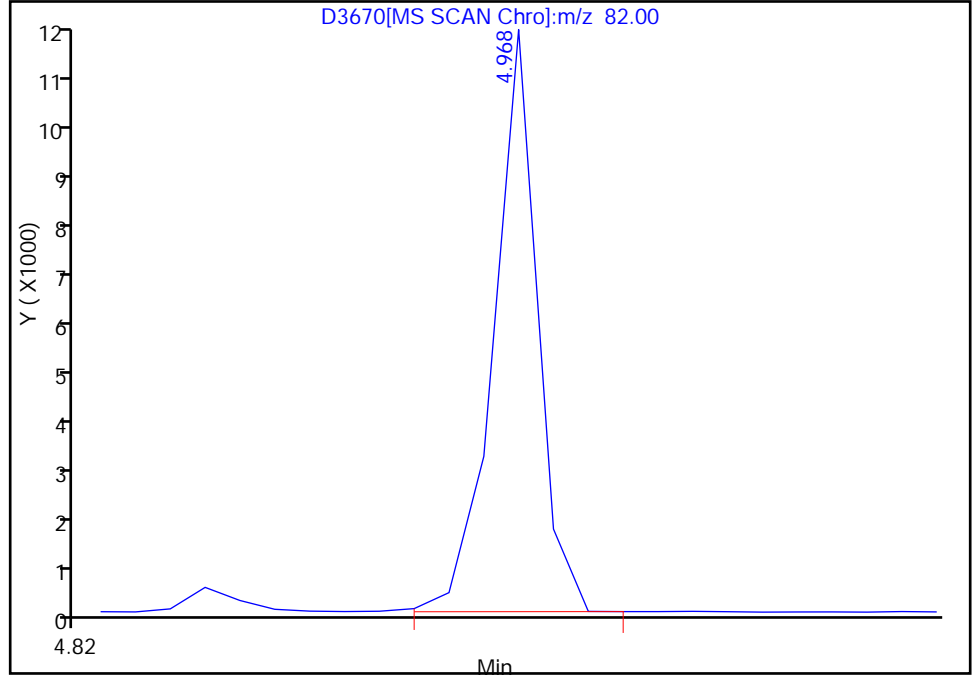
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

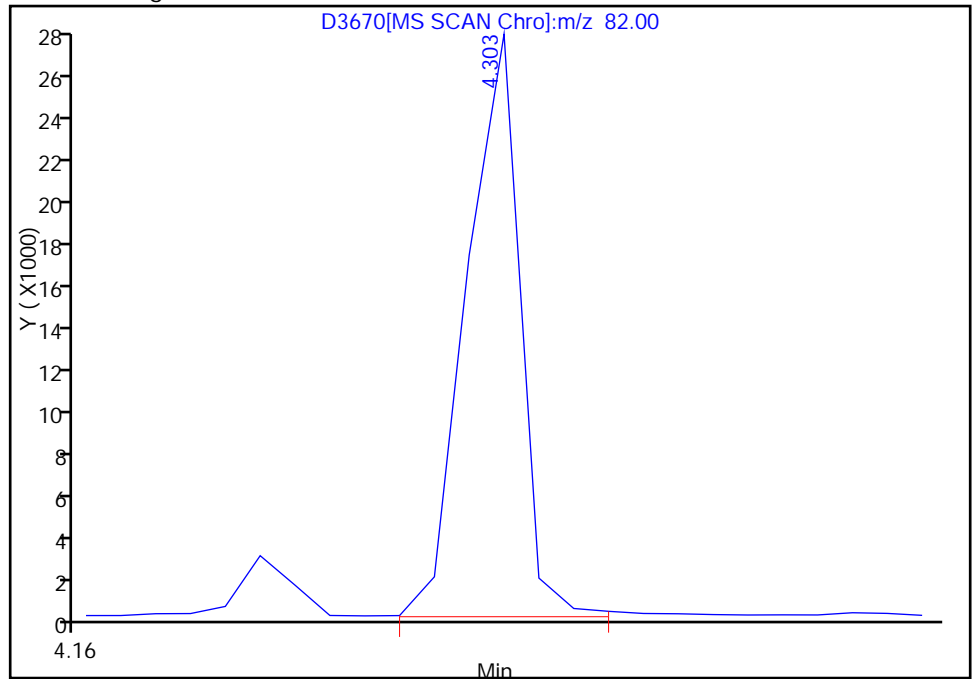
RT: 4.97  
Response: 11245  
Amount: 5.932852

Processing Integration Results



RT: 4.30  
Response: 33759  
Amount: 15.508520

Manual Integration Results



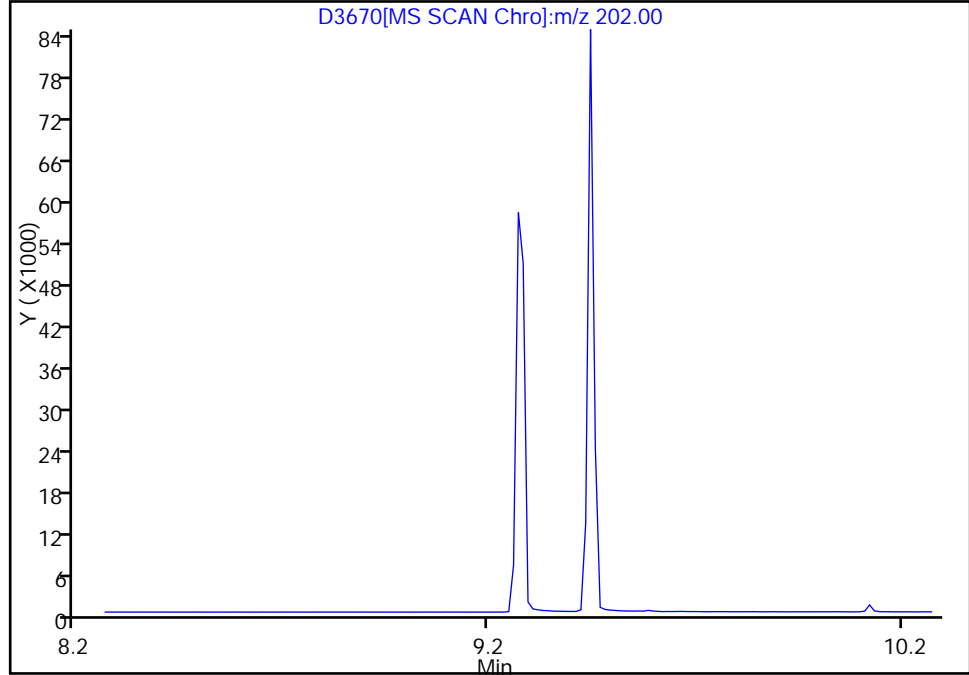
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.27

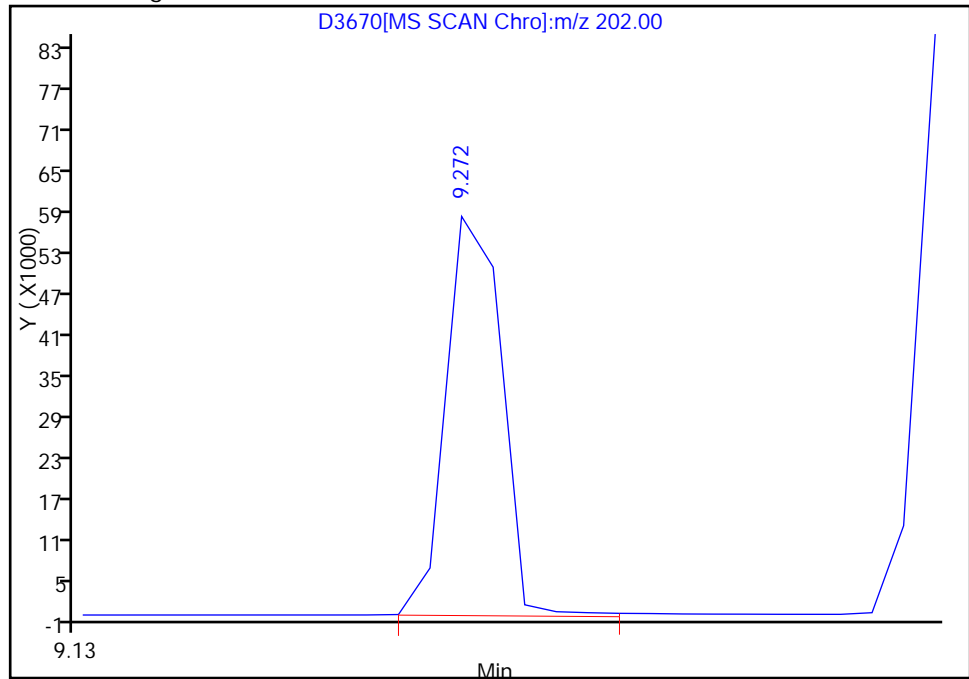
Not Detected  
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.27  
Response: 83054  
Amount: 9.458909



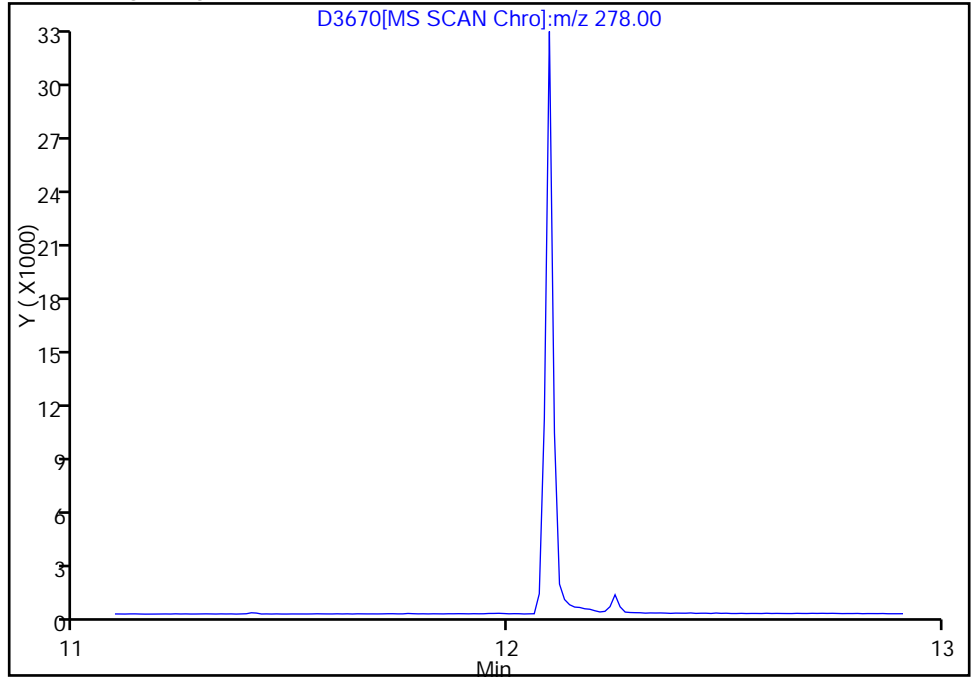
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

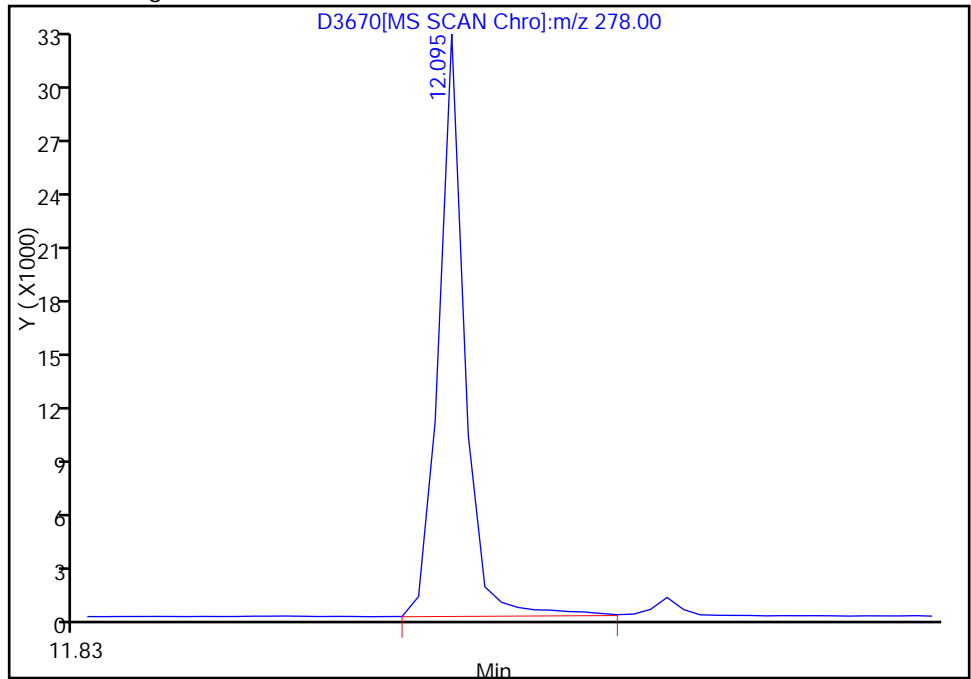
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results



RT: 12.10  
Response: 41674  
Amount: 9.516950

Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

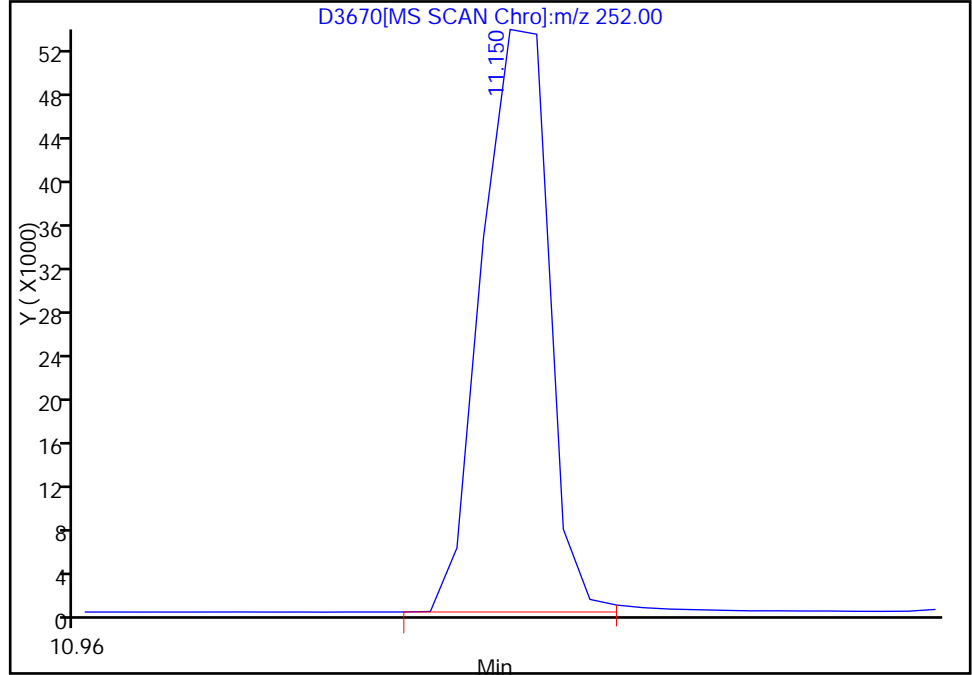


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

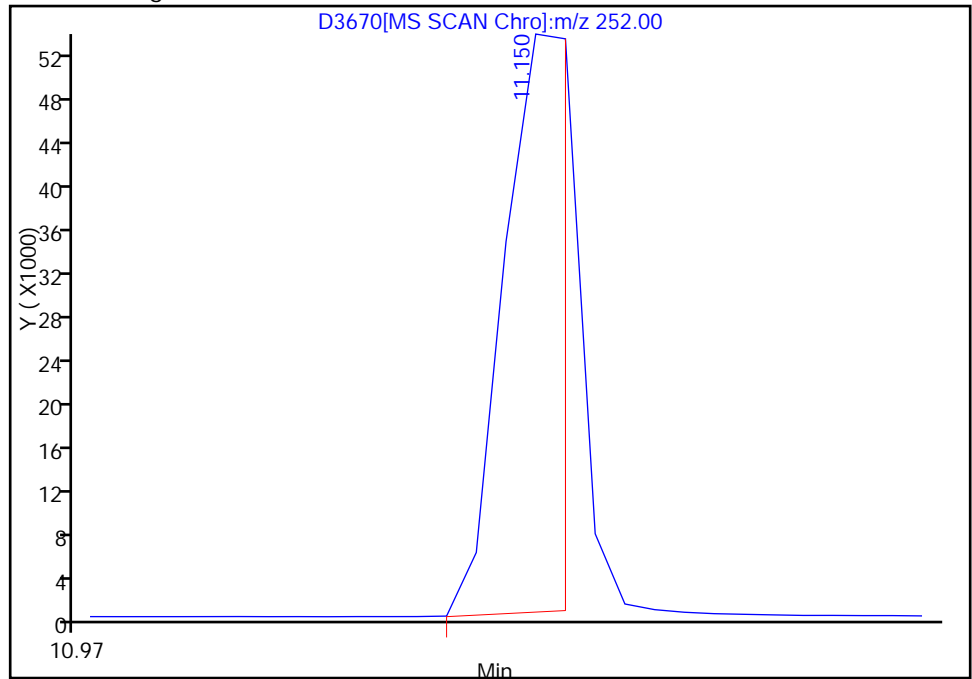
RT: 11.15  
Response: 109459  
Amount: 10.673038

Processing Integration Results



RT: 11.15  
Response: 101947  
Amount: 9.865364

Manual Integration Results



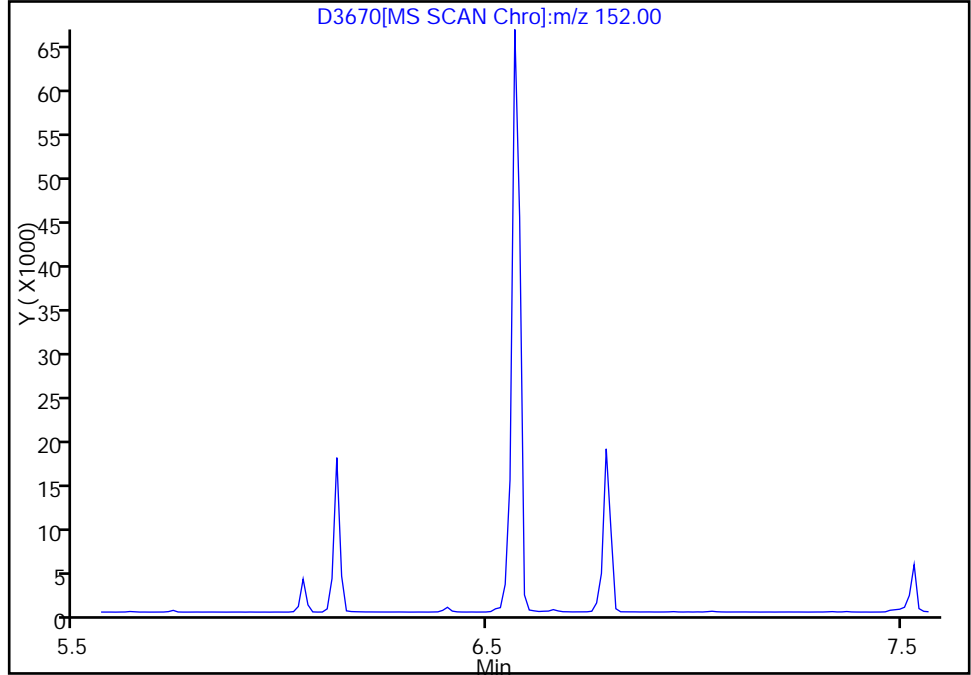
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

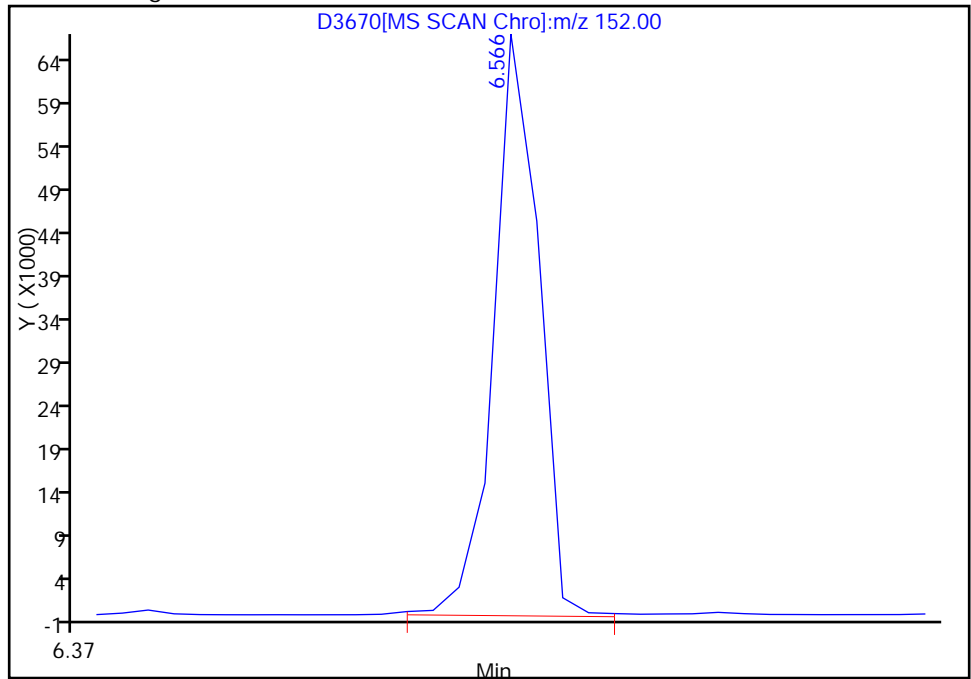
71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results



RT: 6.57  
Response: 93048  
Amount: 9.199043

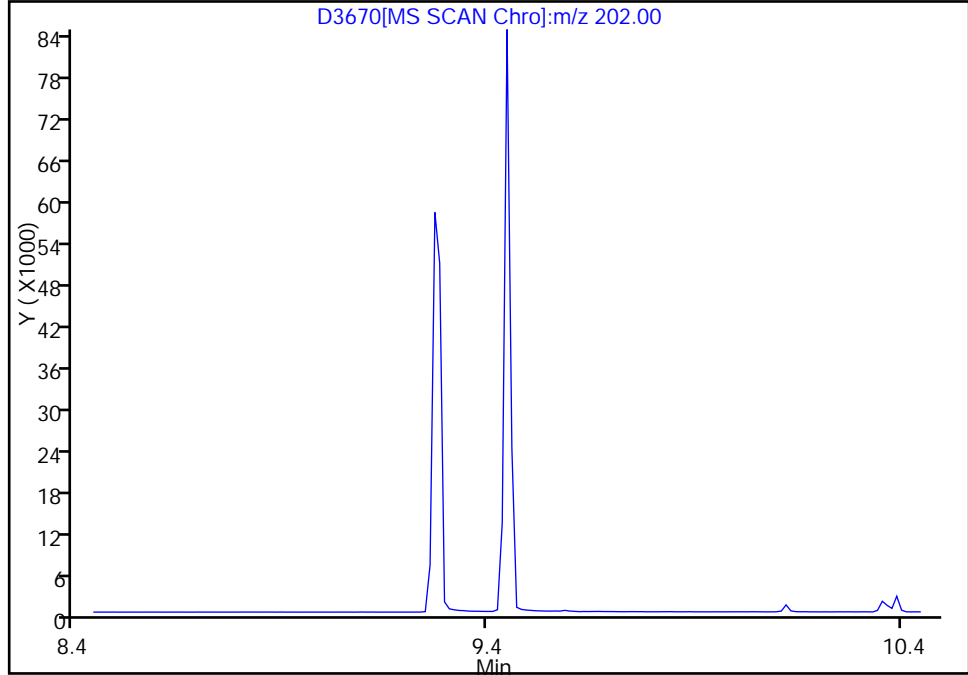
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

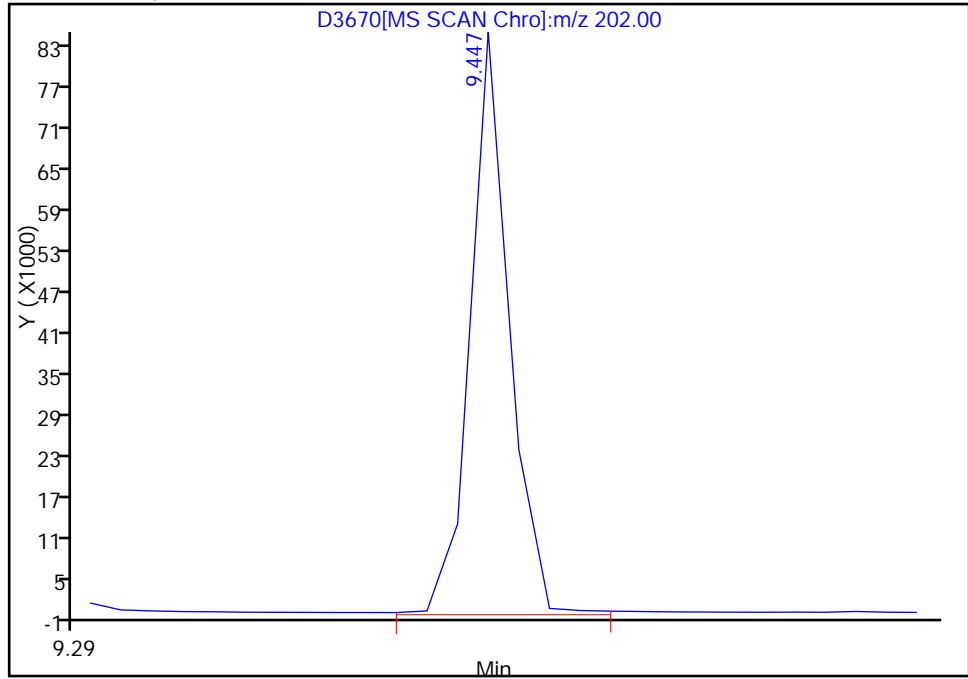
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 87062  
Amount: 9.325630



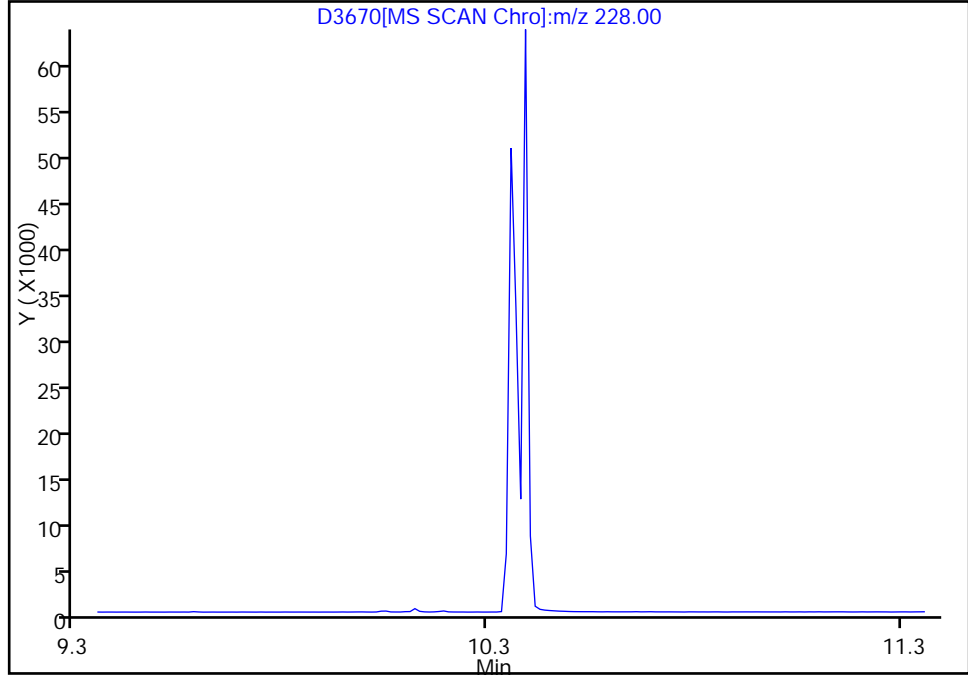
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

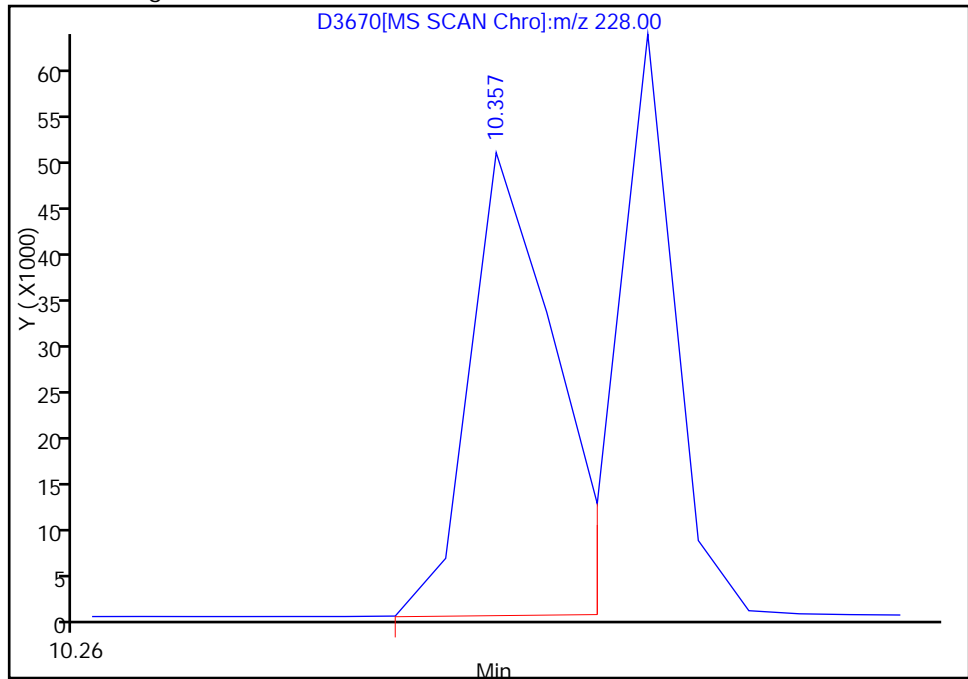
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 71099  
Amount: 9.133473



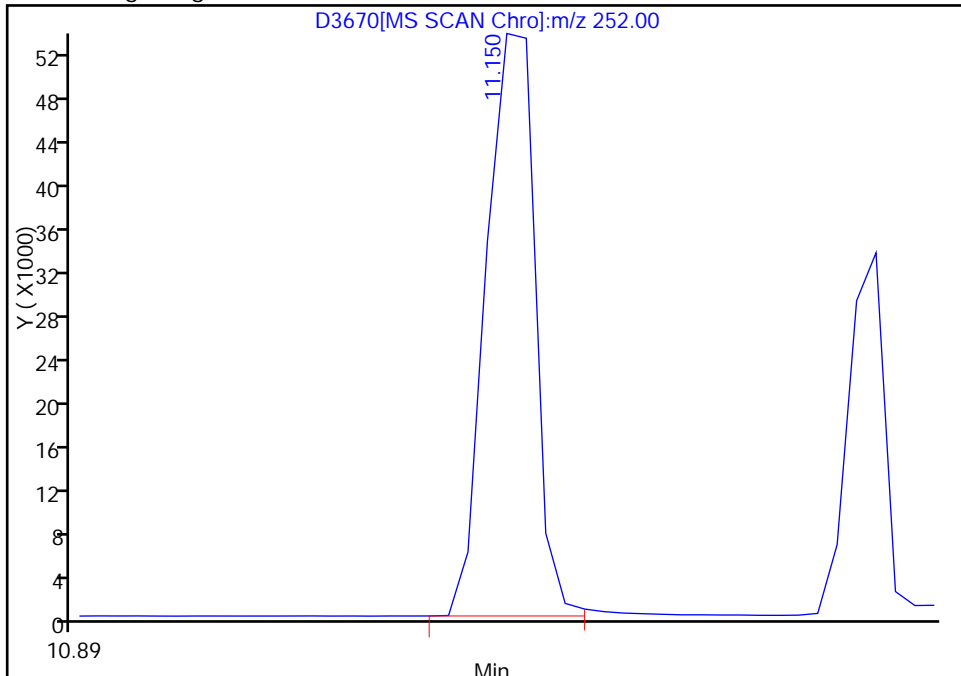
Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3670.D  
Injection Date: 29-Jan-2012 12:24:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 6  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

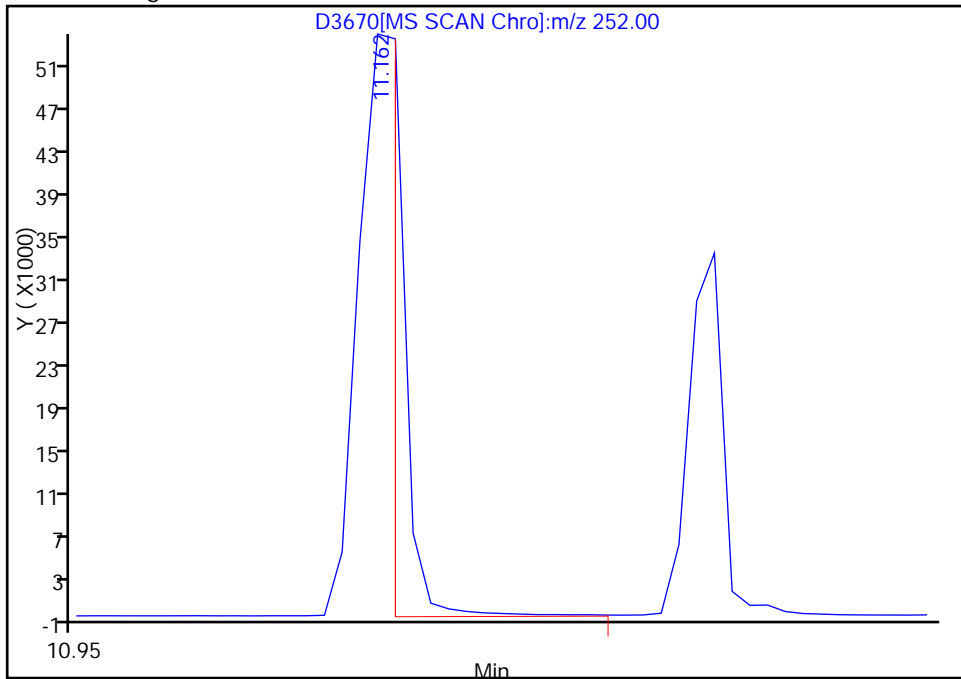
RT: 11.15  
Response: 109459  
Amount: 11.161175

Processing Integration Results



RT: 11.16  
Response: 45340  
Amount: 5.533625

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:00:11  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
 Lims ID: sstd020 Client ID:  
 Inject. Date: 29-Jan-2012 12:43:30 Dil. Factor: 1.0000  
 Sample Type: ICIS Calib Level: 6  
 Sample ID: SSTD020  
 Misc. Info.: 510-0006247-007 =510-0006247-007  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 7  
 Lims Batch ID: 93035 Lims Sample ID: 7  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:03:26 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:03:26

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	127658	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		64026		20.2- 80.2	50.2
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	63567	27.3	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		171291		239.5- 299.5	269.5 M
	54	4.968	4.303	0.665		29871		17.0- 77.0	47.0
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	321187	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	172808	19.0	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	121645	19.2	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	132782	20.1		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	169058	18.2	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	175682	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		156955		59.3- 119.3	89.3

Data File: \\Valsvr08\ChromData\SMAS\20120129-6247.b\D3671.D

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	0	95653	20.7	70.0- 130.0	100.0	
152	6.788	6.788	0.000		44457		16.5- 76.5	46.5	
154	6.788	6.788	0.000		94546		68.8- 128.8	98.8	
80 Fluorene									
166	7.359	7.359	0.000	20	121128	20.4	70.0- 130.0	100.0	
165	7.359	7.359	0.000		106050		57.6- 117.6	87.6	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	264189	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	157260	21.5	70.0- 130.0	100.0	M
92 Anthracene									
178	8.316	8.316	0.000	1	145635	20.4	70.0- 130.0	100.0	M
95 Fluoranthene									
202	9.284	9.284	0.000	0	153224	18.9	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		
97 Pyrene									
202	9.447	9.447	0.000	0	149848	19.5	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	78070	21.5	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	124301	19.4	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	160164	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	104770	19.9	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	129592	16.5	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		46282		5.7- 65.7	35.7	
107 Benzo[k]fluoranthene									
252	11.162	11.162	0.000	1	123048	17.0	70.0- 130.0	100.0	M
253	11.139	11.162	-0.023		46282		7.6- 67.6	37.6	
108 Benzo[a]pyrene									
252	11.360	11.360	0.000	1	93406	21.0	70.0- 130.0	100.0	
253	11.360	11.360	0.000		21734		0.0- 53.3	23.3	
* 109 Perylene-d12									
264	11.407	11.407	0.000	1	125860	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.000	0	93461	20.1	70.0- 130.0	100.0	M
138	0.0	12.084	-12.084		0		0.0- 50.5		

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.000	0	77794	20.8	70.0- 130.0	100.0	M
139	0.0	12.095	-12.095		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.000	0	84799	21.3	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

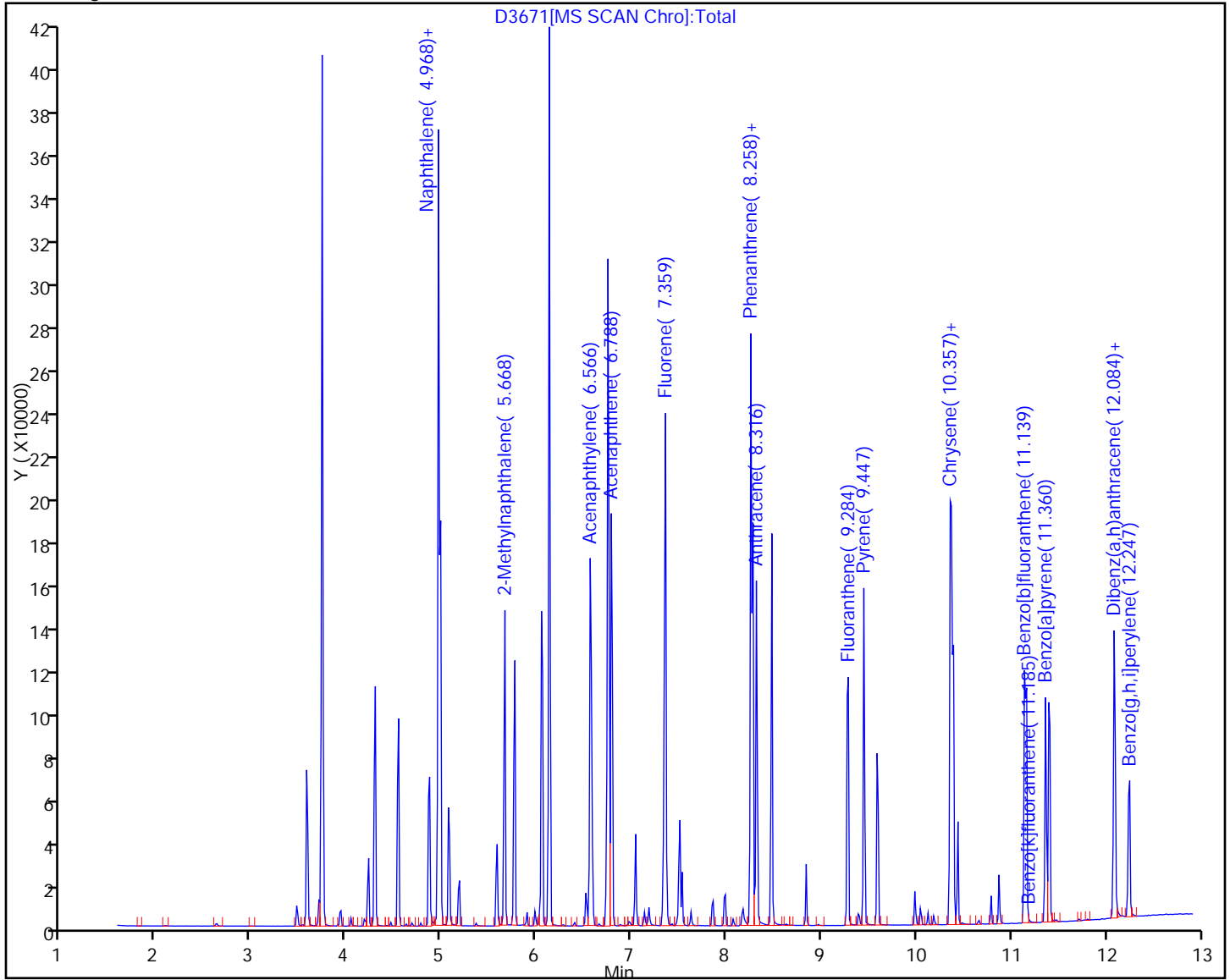
QC Flag Legend

Review Flags

M - Manually Integrated



Y Scaling:

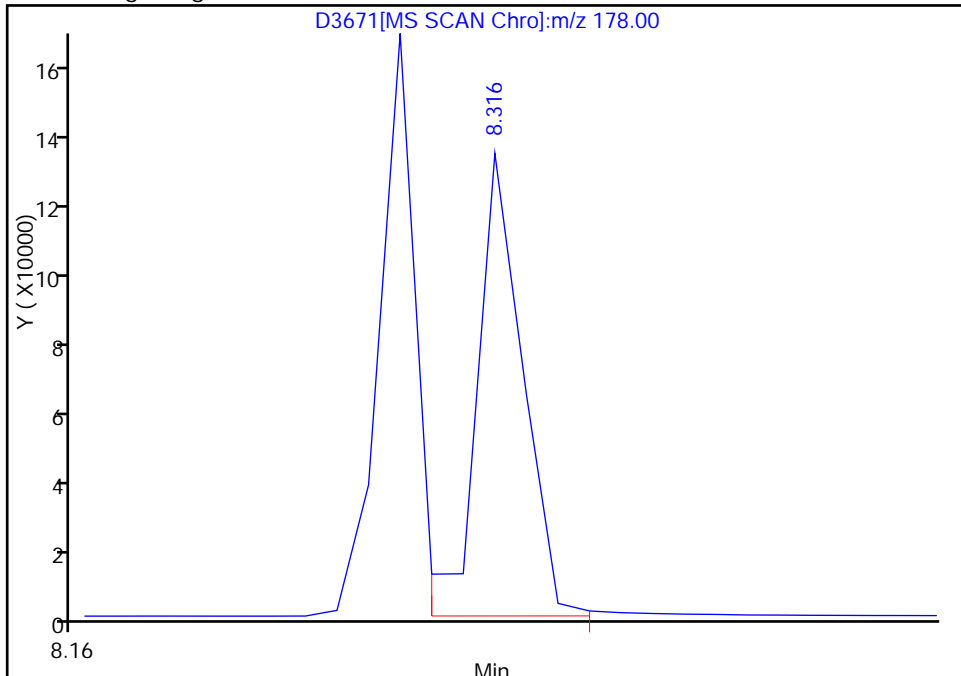


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 8.32

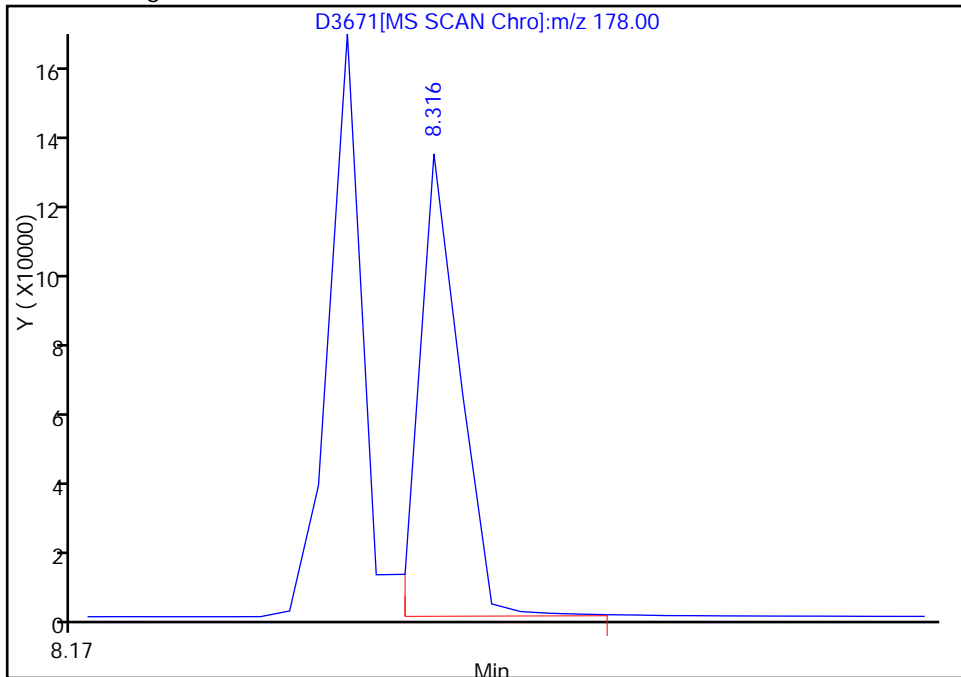
RT: 8.32  
Response: 153041  
Amount: 21.306167

Processing Integration Results



RT: 8.32  
Response: 145635  
Amount: 20.406615

Manual Integration Results



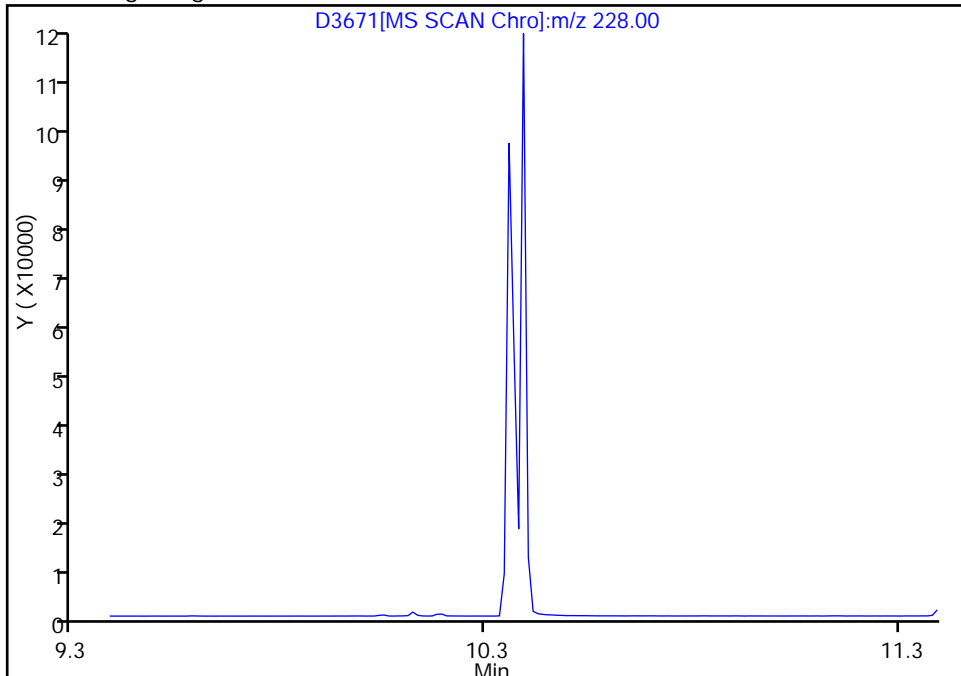
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

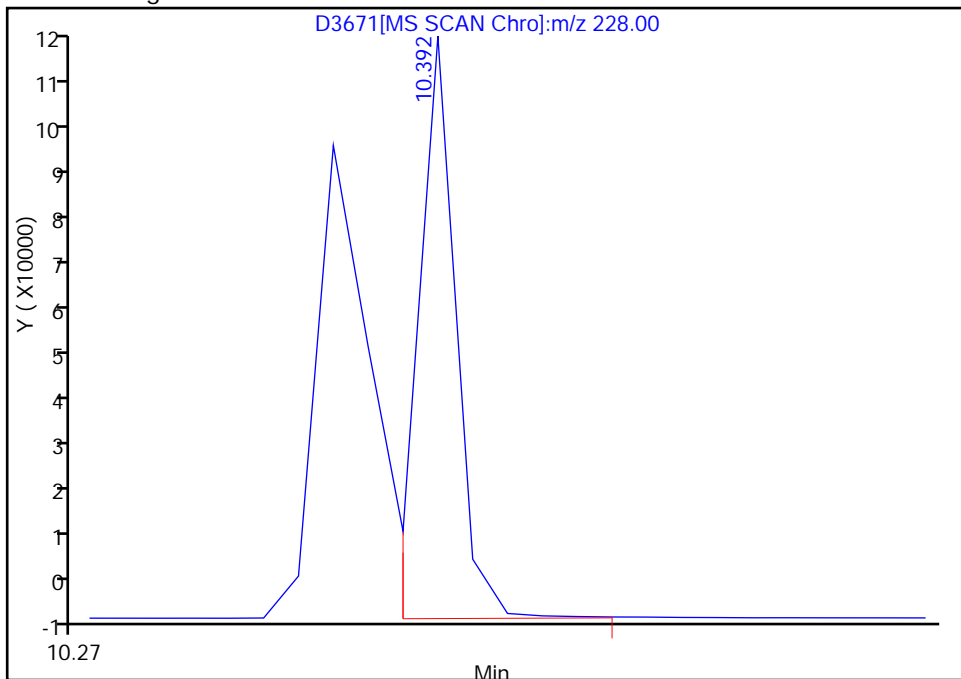
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 104770  
Amount: 19.895586



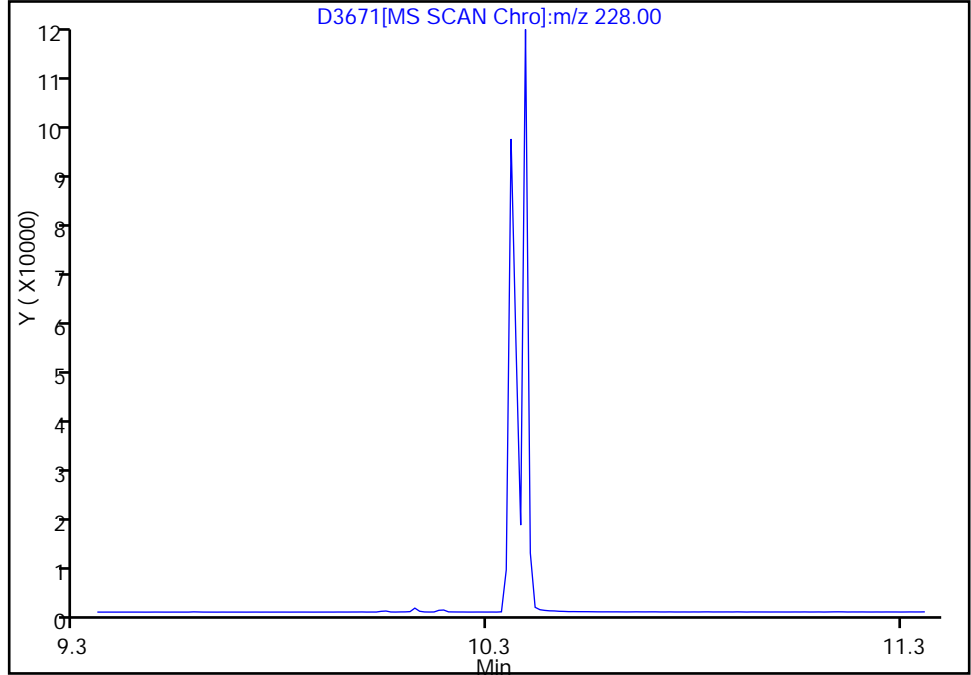
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

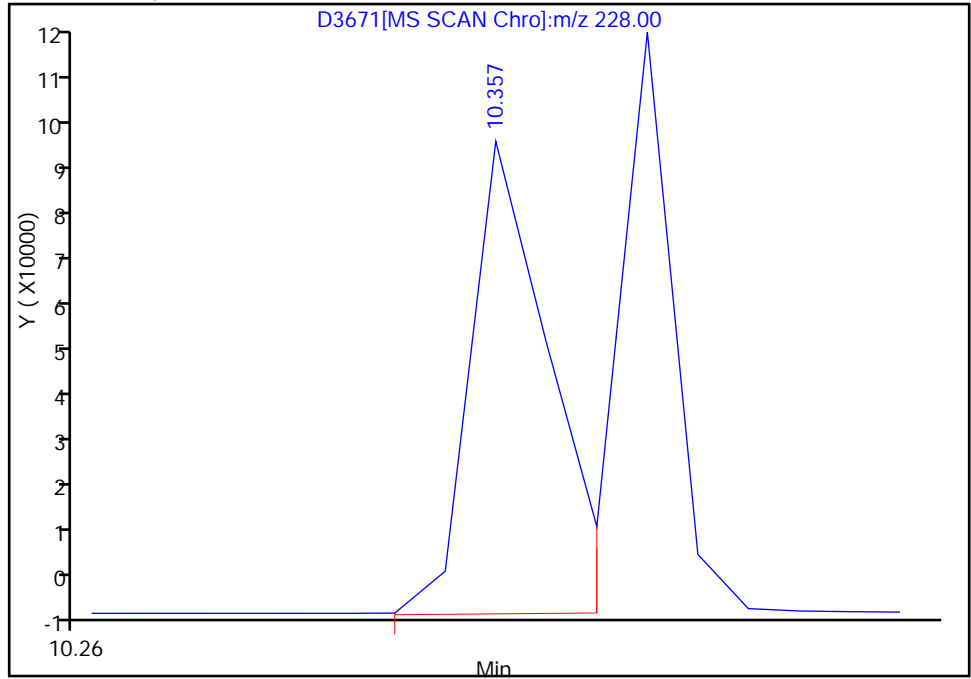
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 124301  
Amount: 19.432278



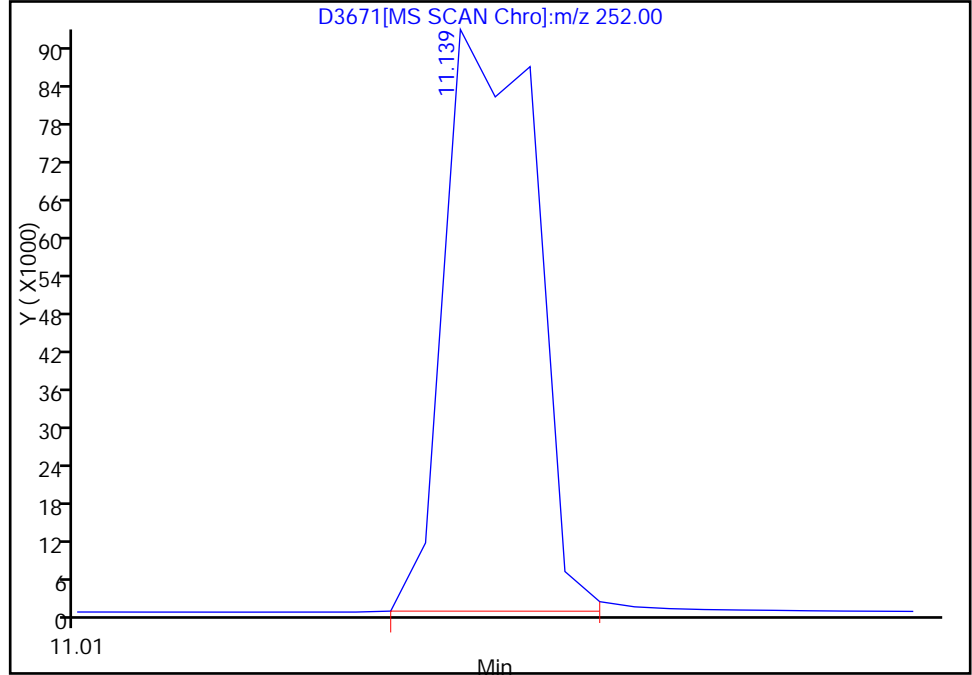
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

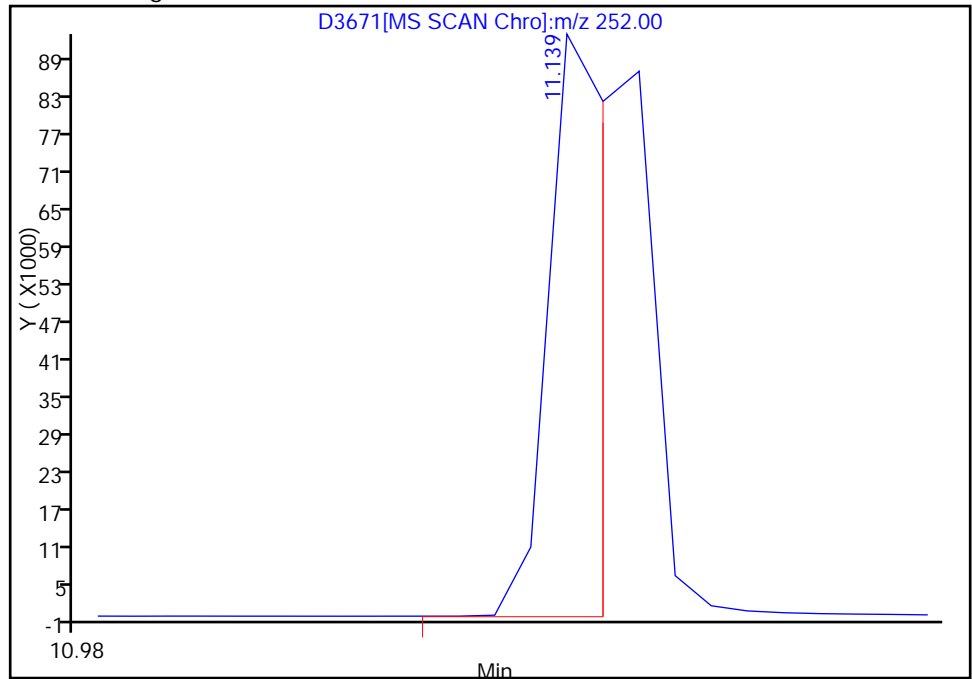
RT: 11.14  
Response: 194433  
Amount: 23.792632

Processing Integration Results



RT: 11.14  
Response: 129592  
Amount: 16.480388

Manual Integration Results



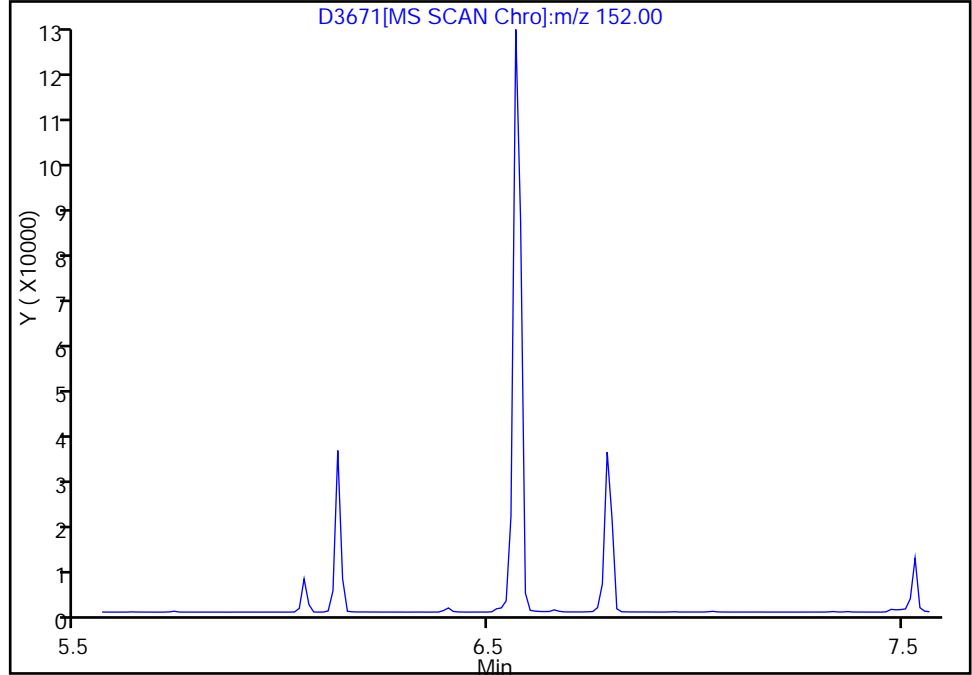
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

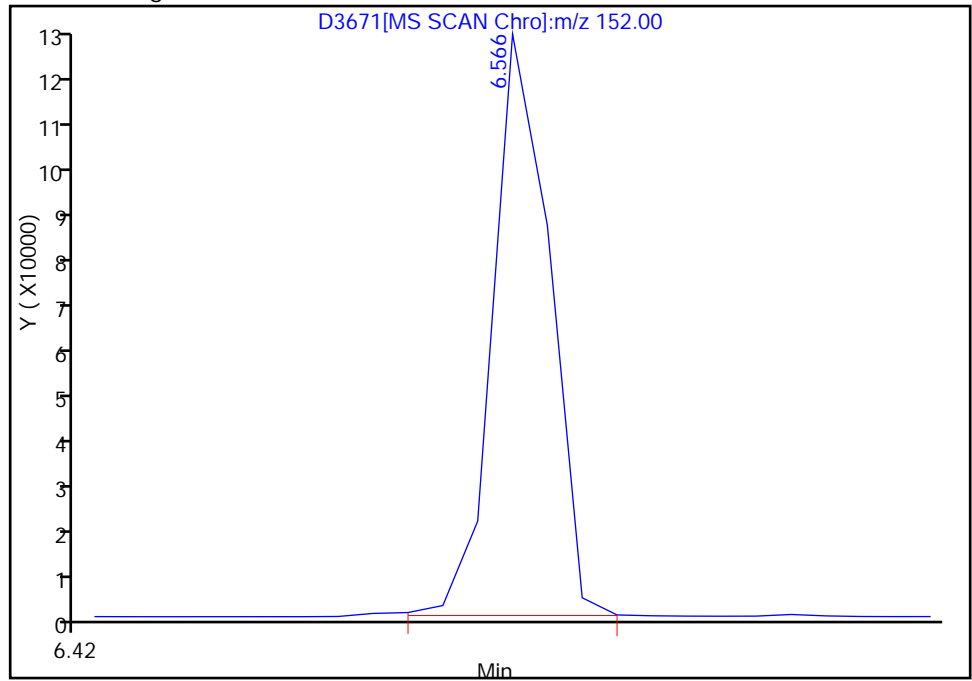
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 169058  
Amount: 18.247562



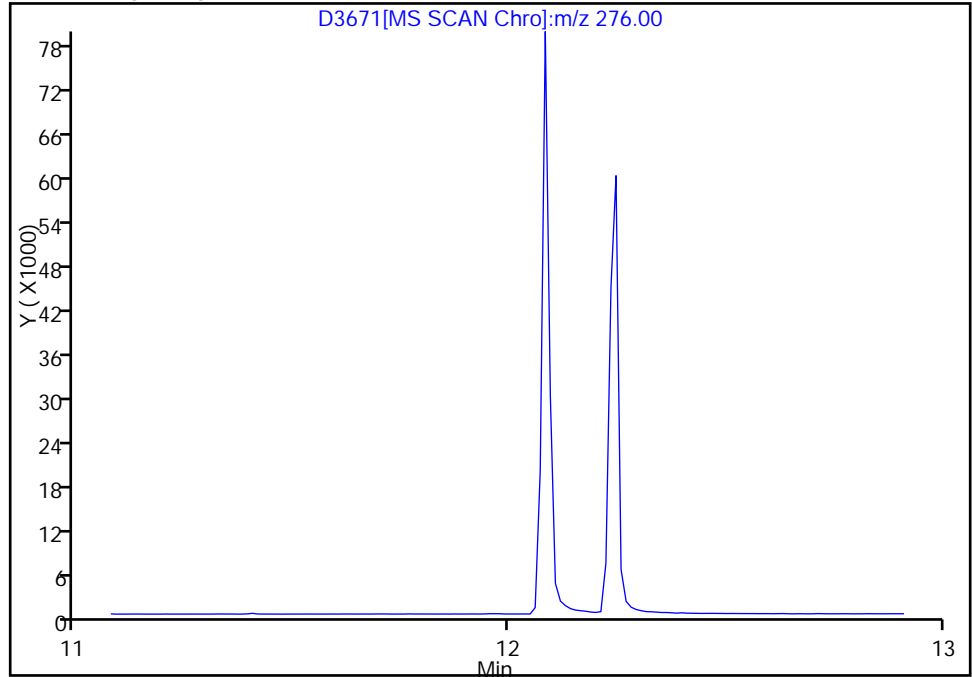
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.08

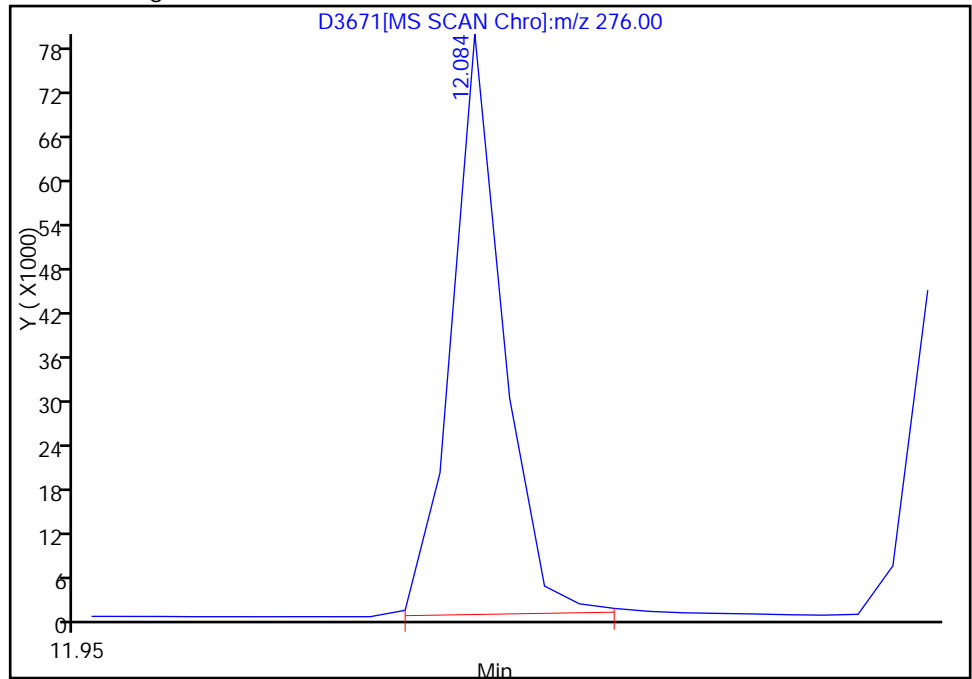
Not Detected  
Expected RT: 12.08

Processing Integration Results



RT: 12.08  
Response: 93461  
Amount: 20.103811

Manual Integration Results



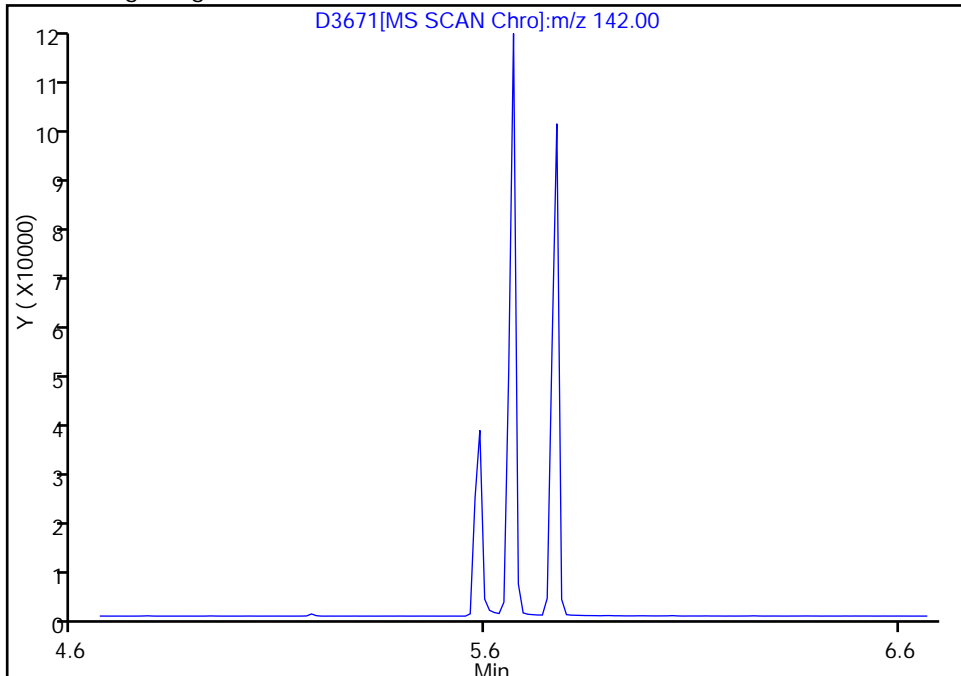
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

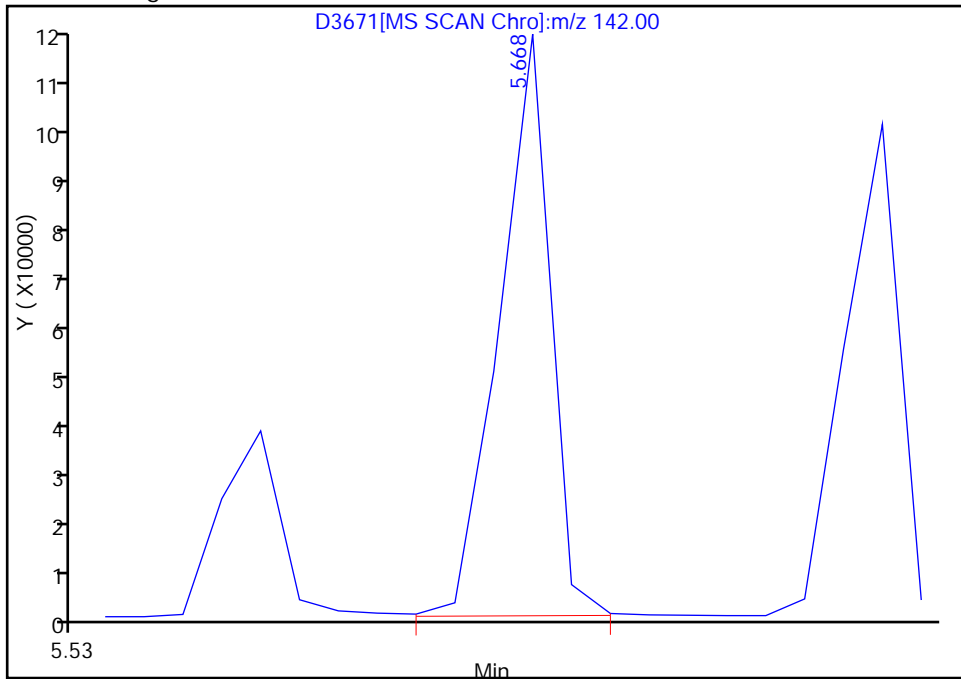
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 121645  
Amount: 19.181459



Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

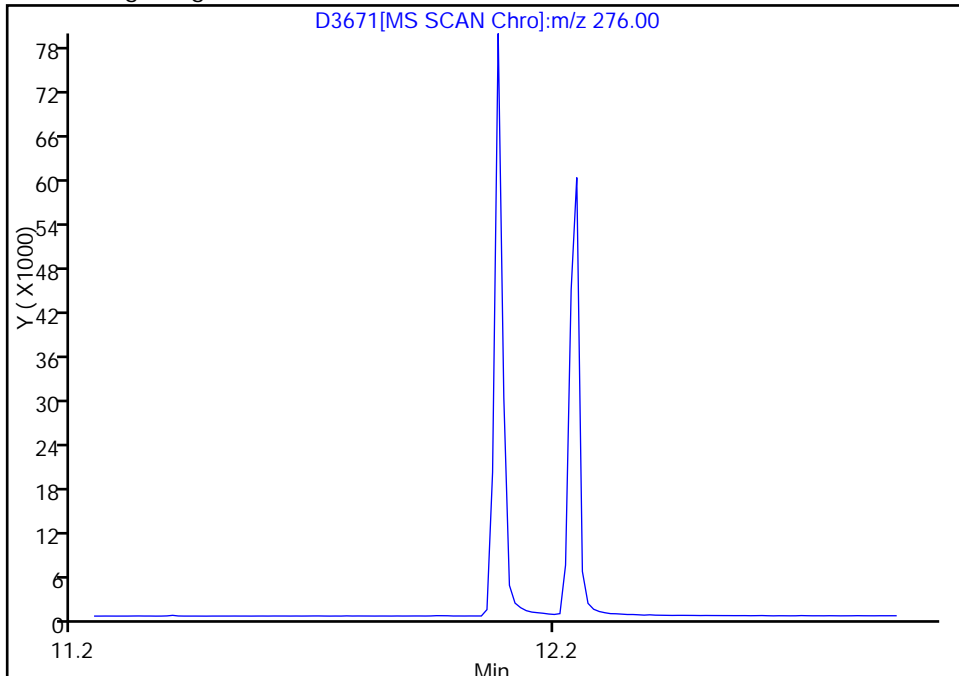


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

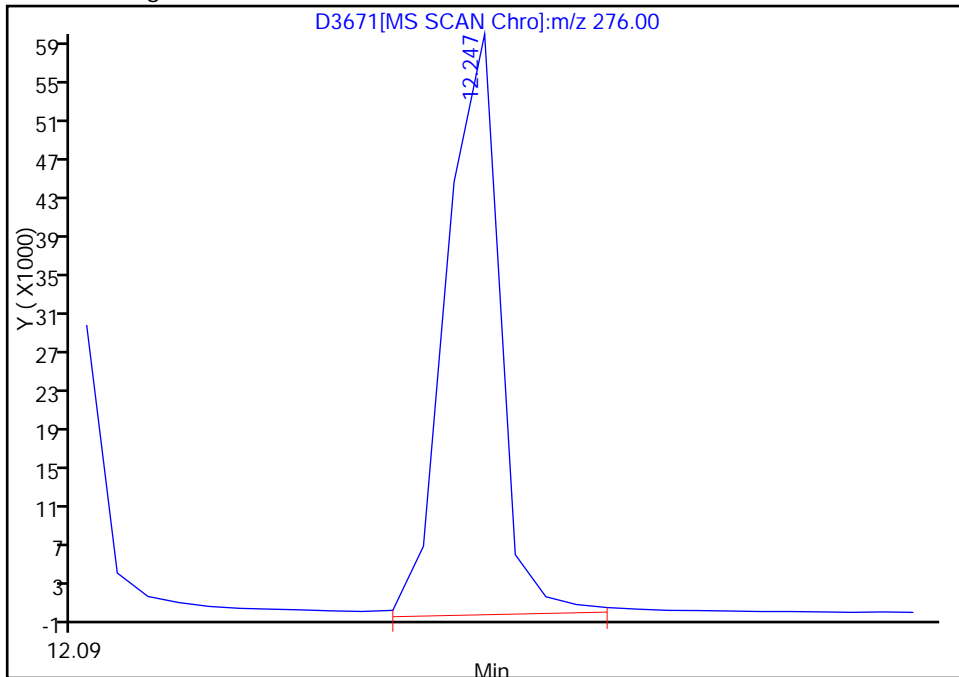
Not Detected  
Expected RT: 12.25

Processing Integration Results



RT: 12.25  
Response: 84799  
Amount: 21.317777

Manual Integration Results



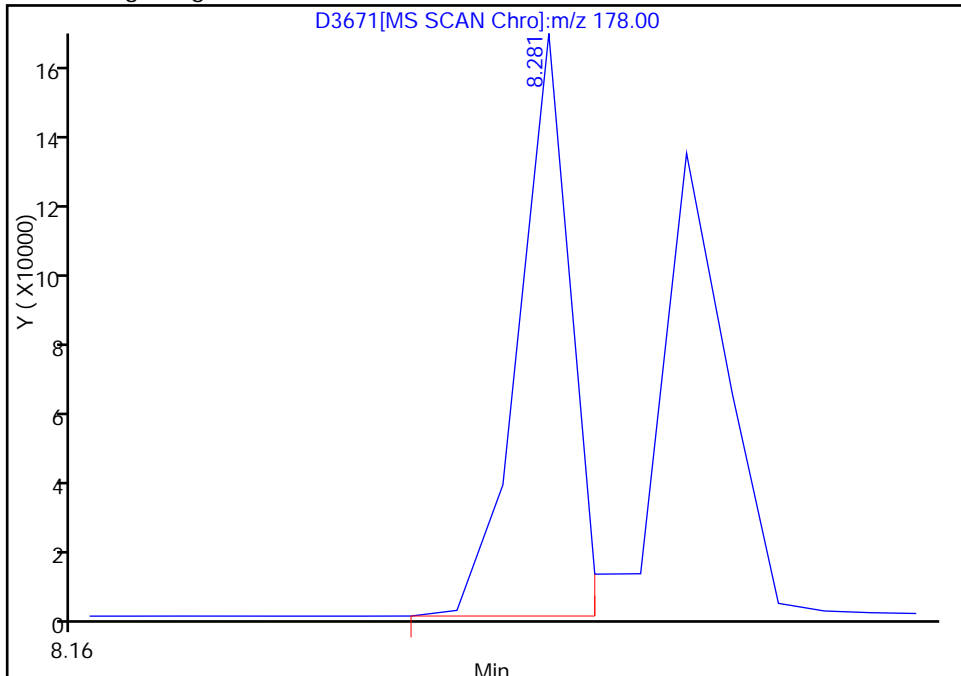
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

91 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 8.28

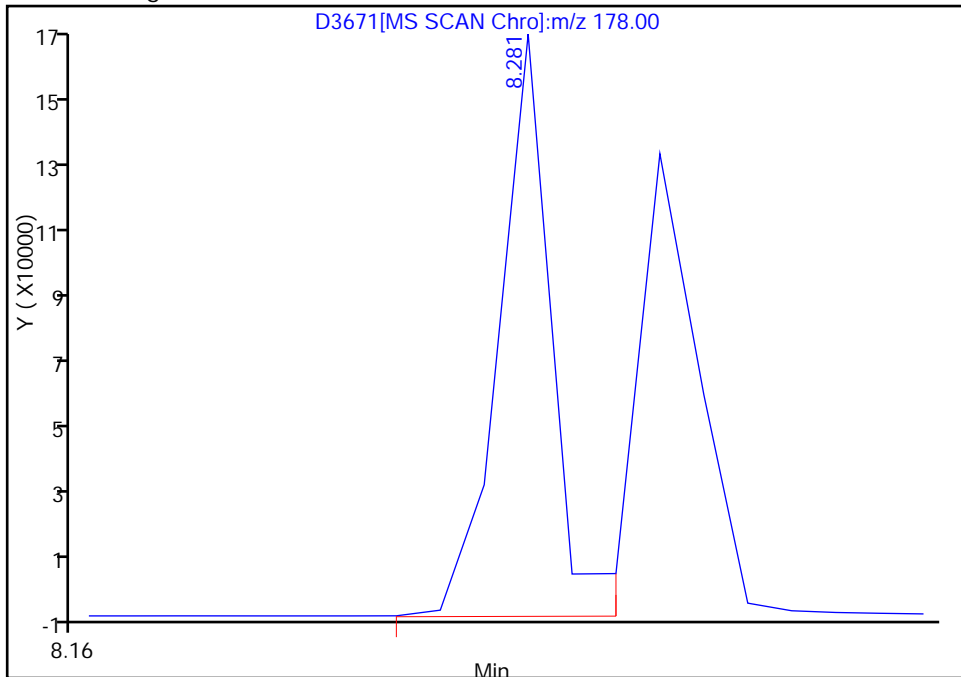
RT: 8.28  
Response: 148350  
Amount: 20.427558

Processing Integration Results



RT: 8.28  
Response: 157260  
Amount: 21.489666

Manual Integration Results



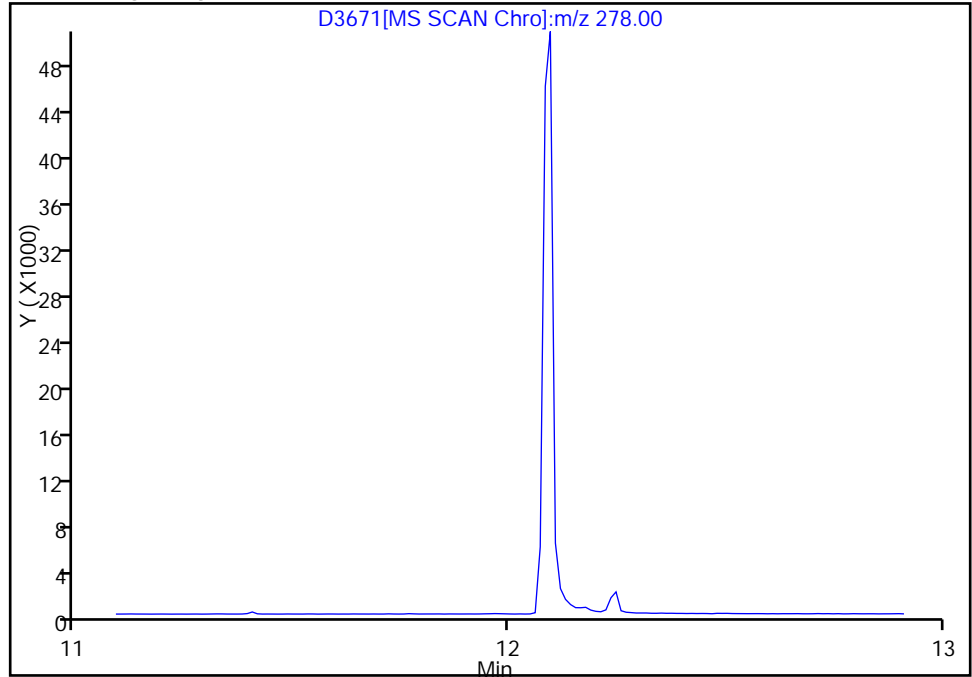
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

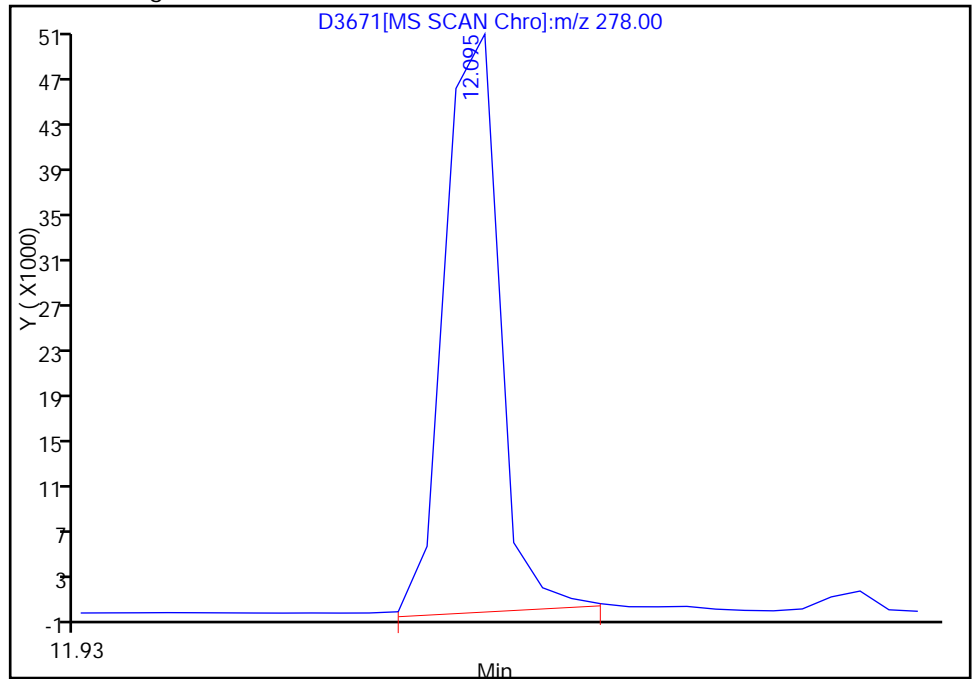
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.10

Not Detected  
Expected RT: 12.10

Processing Integration Results



Manual Integration Results



RT: 12.10  
Response: 77794  
Amount: 20.804178

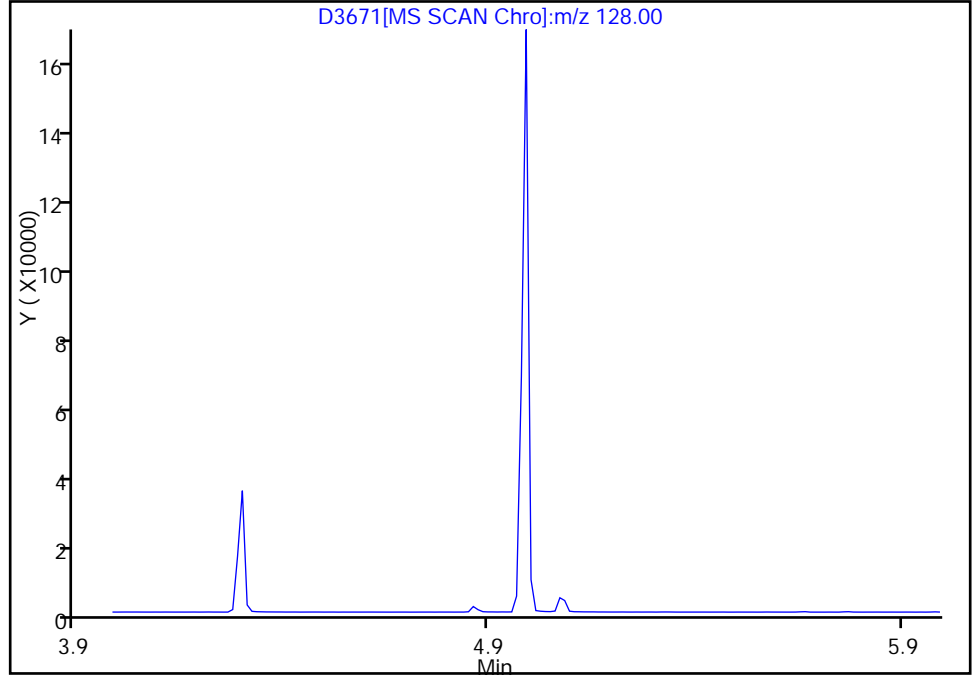
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

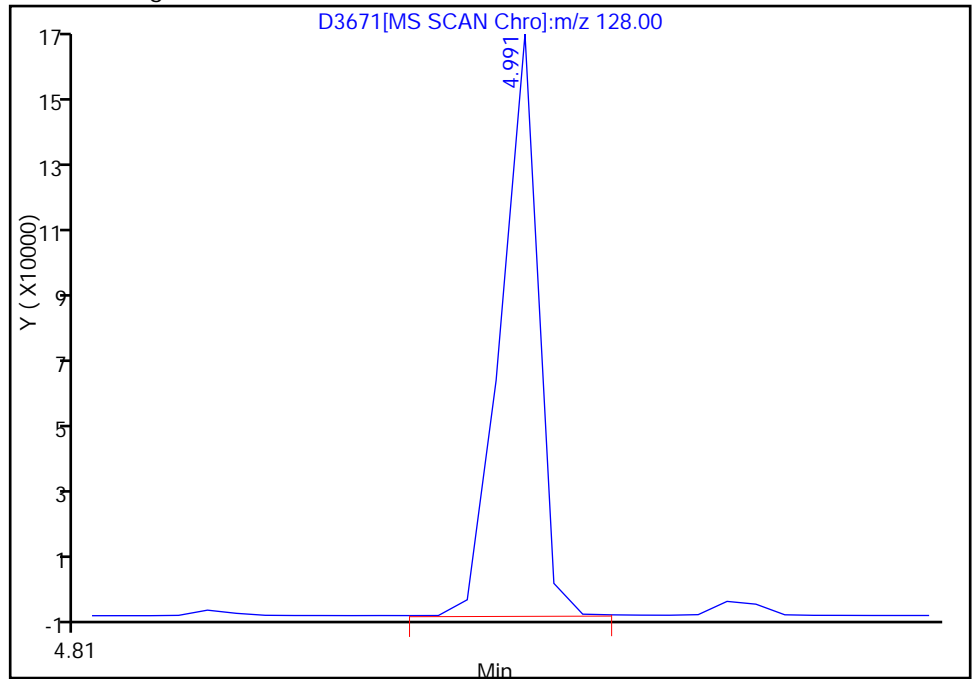
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 172808  
Amount: 18.963528



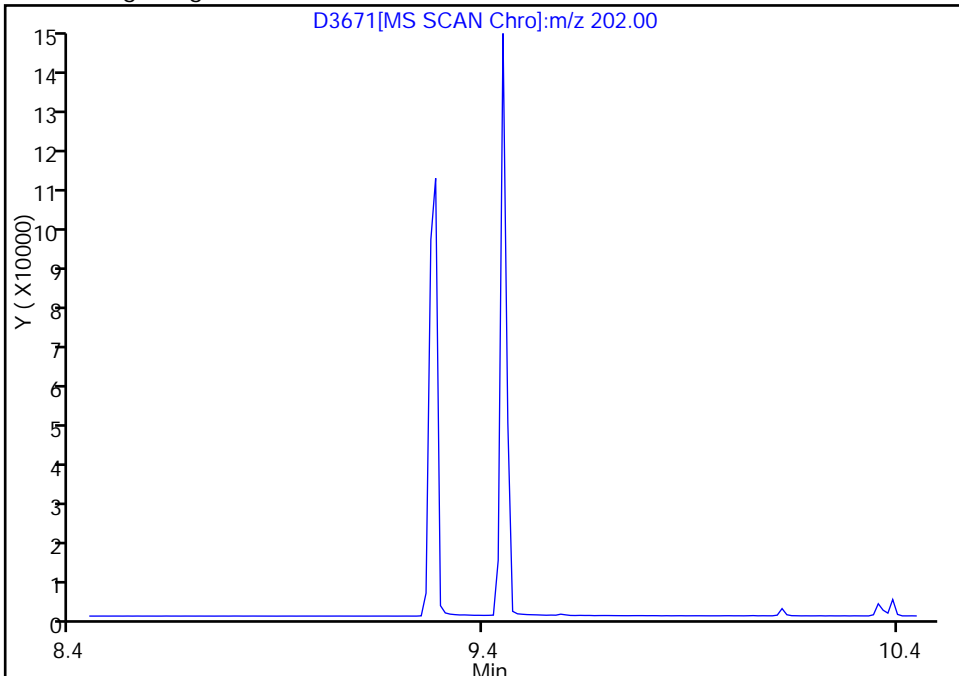
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

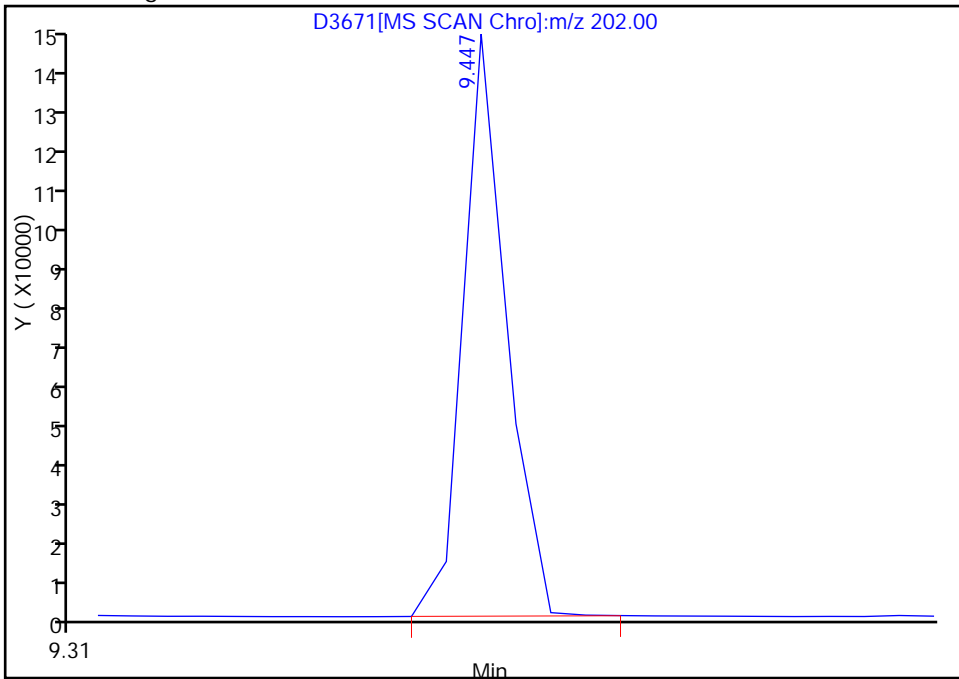
Not Detected  
Expected RT: 9.45

Processing Integration Results



RT: 9.45  
Response: 149848  
Amount: 19.516925

Manual Integration Results



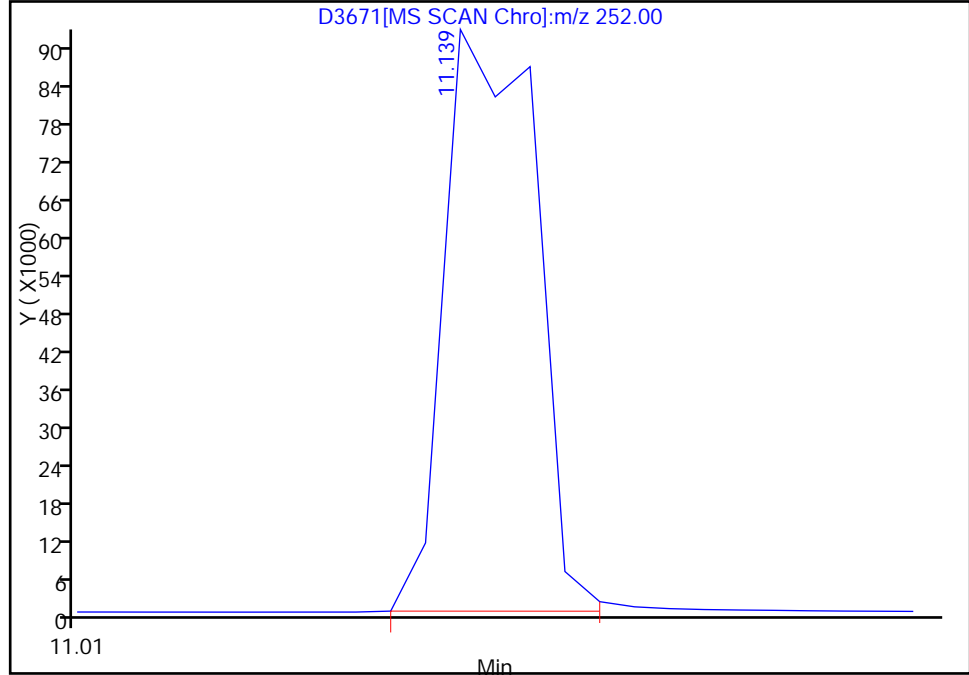
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

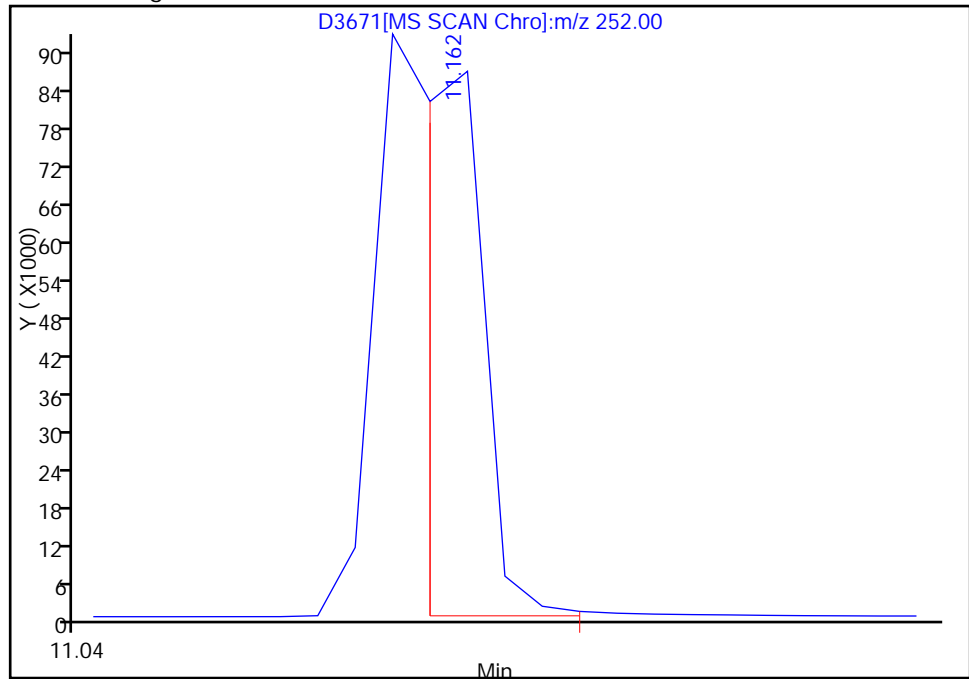
RT: 11.14  
Response: 194433  
Amount: 28.014097

Processing Integration Results



RT: 11.16  
Response: 123048  
Amount: 16.981485

Manual Integration Results



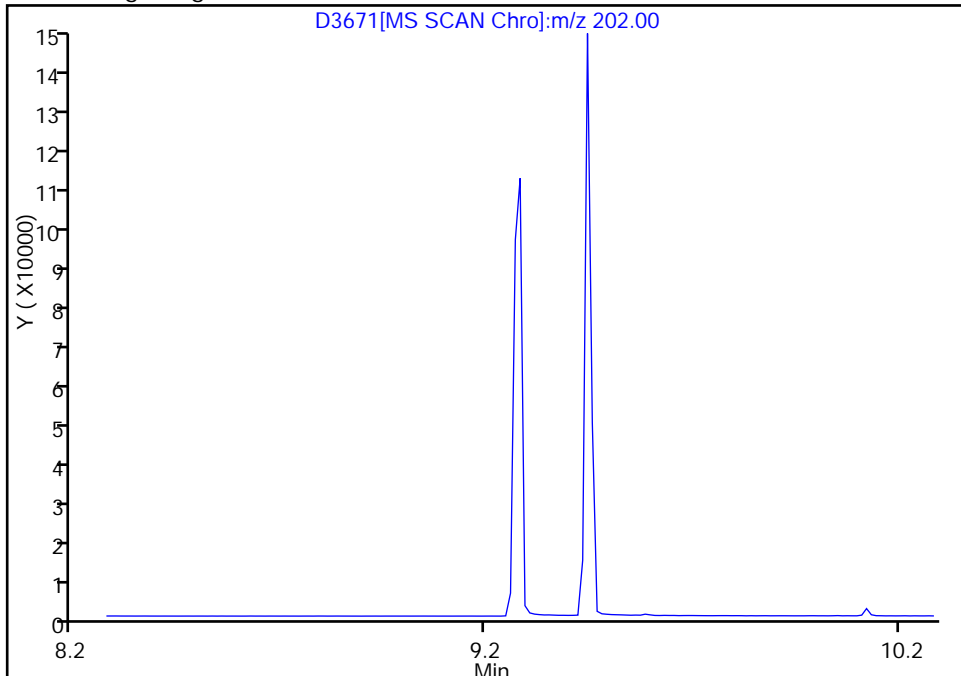
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

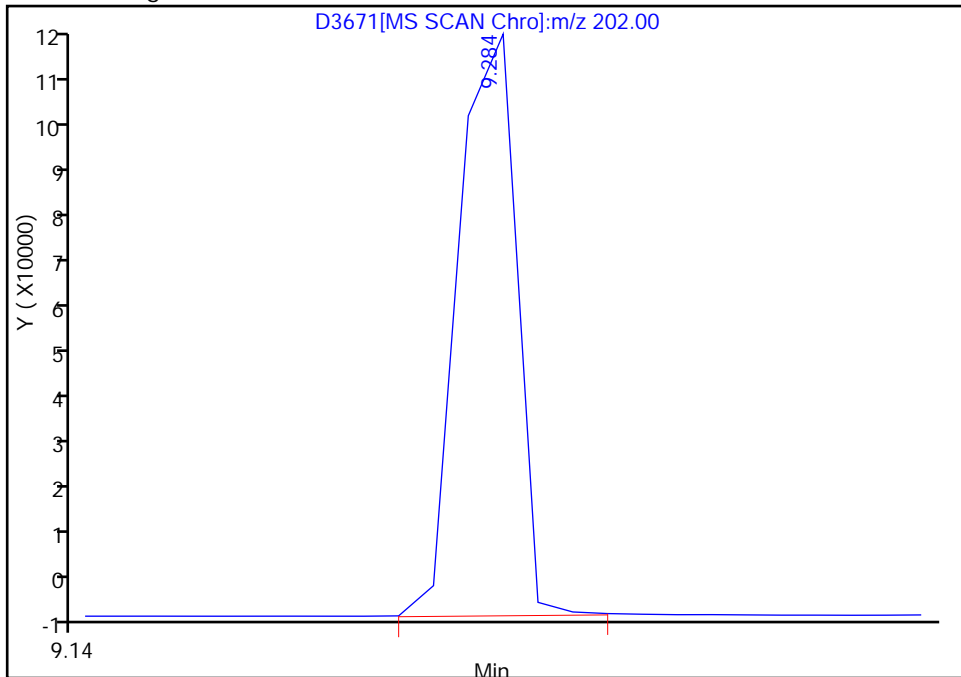
Not Detected  
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 153224  
Amount: 18.915828



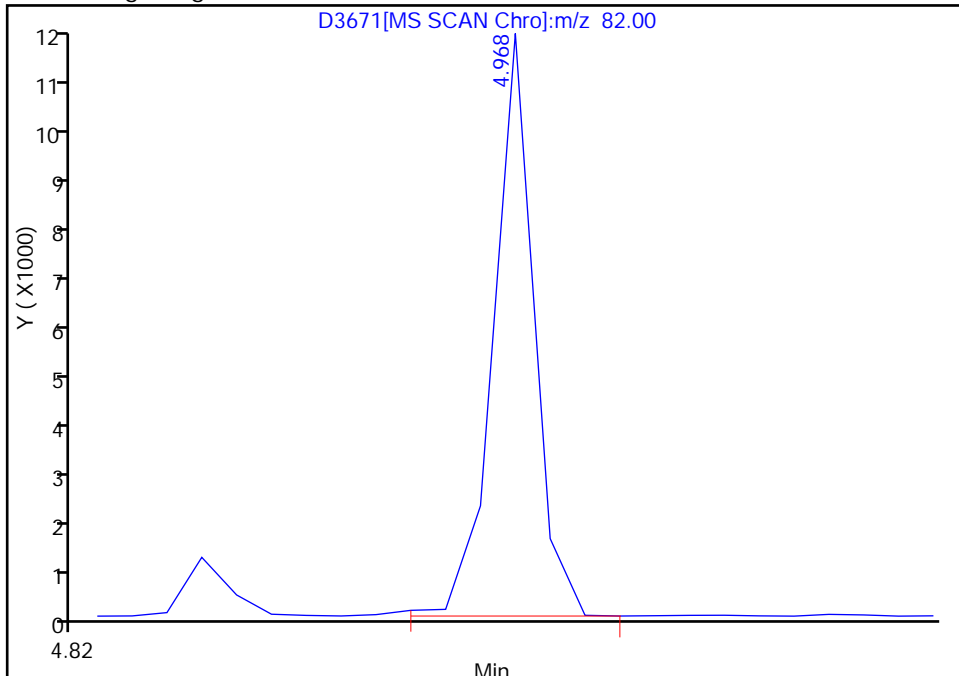
Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3671.D  
Injection Date: 29-Jan-2012 12:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 7  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

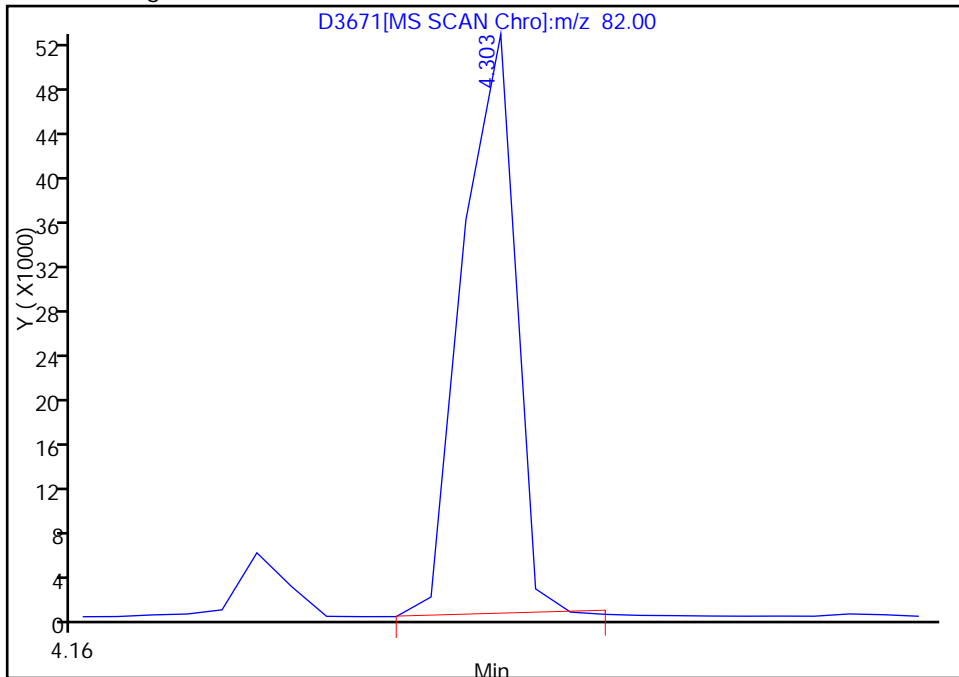
RT: 4.97  
Response: 10593  
Amount: 5.299720

Processing Integration Results



RT: 4.30  
Response: 63567  
Amount: 27.283468

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:03:26  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
 Lims ID: sstd040 Client ID:  
 Inject. Date: 29-Jan-2012 13:01:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: SSTD040  
 Misc. Info.: 510-0006247-008 =510-0006247-008  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 8  
 Lims Batch ID: 93035 Lims Sample ID: 8  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:06:14 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:06:14

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	86245	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		42858		20.2- 80.2	49.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	72132	41.5	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		196661		239.5- 299.5	272.6 M
	54	4.968	4.303	0.665		18916		17.0- 77.0	26.2
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	211171	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	196547	33.7	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	139921	34.3	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.065	6.053	0.012	1	154060	35.1		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	196110	32.8	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	116695	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		104378		59.3- 119.3	89.4

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	0	113093	36.9	70.0- 130.0	100.0	
152	6.788	6.788	0.000		52683		16.5- 76.5	46.6	
154	6.788	6.788	0.000		112932		68.8- 128.8	99.9	
80 Fluorene									
166	7.359	7.359	0.000	20	143645	36.4	70.0- 130.0	100.0	
165	7.359	7.359	0.000		126353		57.6- 117.6	88.0	
* 90 Phenanthrene-d10									
188	8.257	8.257	0.000	1	187837	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	185185	35.6	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	176540	34.8	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.284	9.284	0.000	0	203111	35.9	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	203324	32.0	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.599	9.587	0.012	1	109582	35.3	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.369	10.369	0.000	0	173542	32.7	70.0- 130.0	100.0	M
229	0.0	10.369	-10.369		0		0.0- 49.5		M
226	0.0	10.369	-10.369		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.380	10.380	0.000	1	136967	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	157105	35.5	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	186455	30.1	70.0- 130.0	100.0	M
253	11.162	11.139	0.023		74632		5.7- 65.7	40.0	
107 Benzo[k]fluoranthene									
252	11.162	11.162	0.000	1	199012	38.8	70.0- 130.0	100.0	M
253	11.162	11.162	0.000		74632		7.6- 67.6	37.5	M
108 Benzo[a]pyrene									
252	11.360	11.372	-0.012	1	145656	38.0	70.0- 130.0	100.0	
253	11.360	11.372	-0.012		35376		0.0- 53.3	24.3	
* 109 Perylene-d12									
264	11.395	11.407	-0.012	1	108283	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.000	0	145094	36.8	70.0- 130.0	100.0	M
138	0.0	12.084	-12.084		0		0.0- 50.5		M

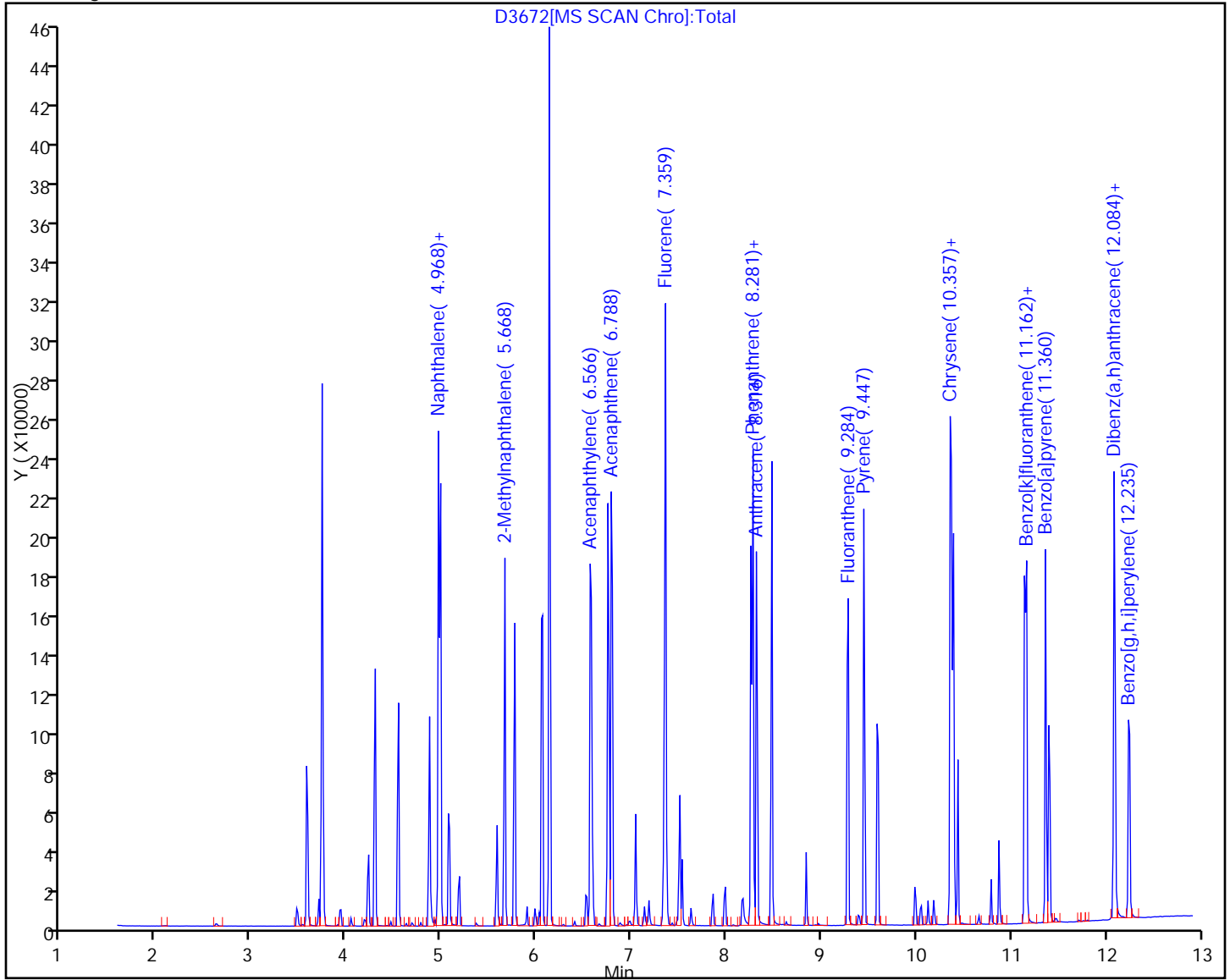
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.084	12.084	0.000	0	123239	38.5	70.0- 130.0	100.0	M
139	0.0	12.084	-12.084		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									M
276	12.247	12.247	0.000	0	130379	38.4	70.0- 130.0	100.0	M
138	0.0	12.247	-12.247		0		0.0- 43.1		

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

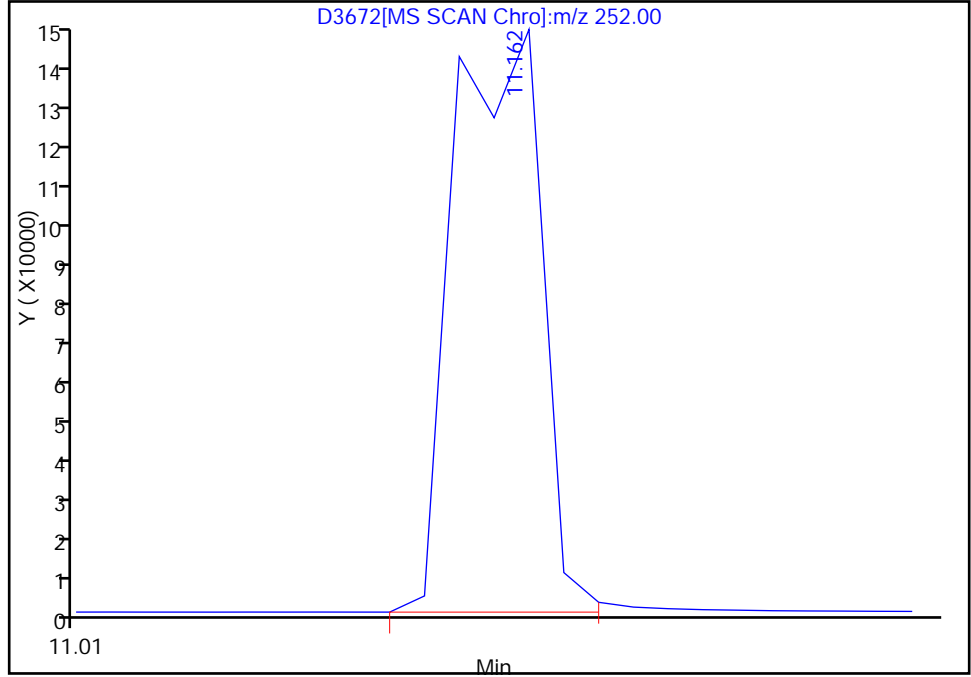


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.16

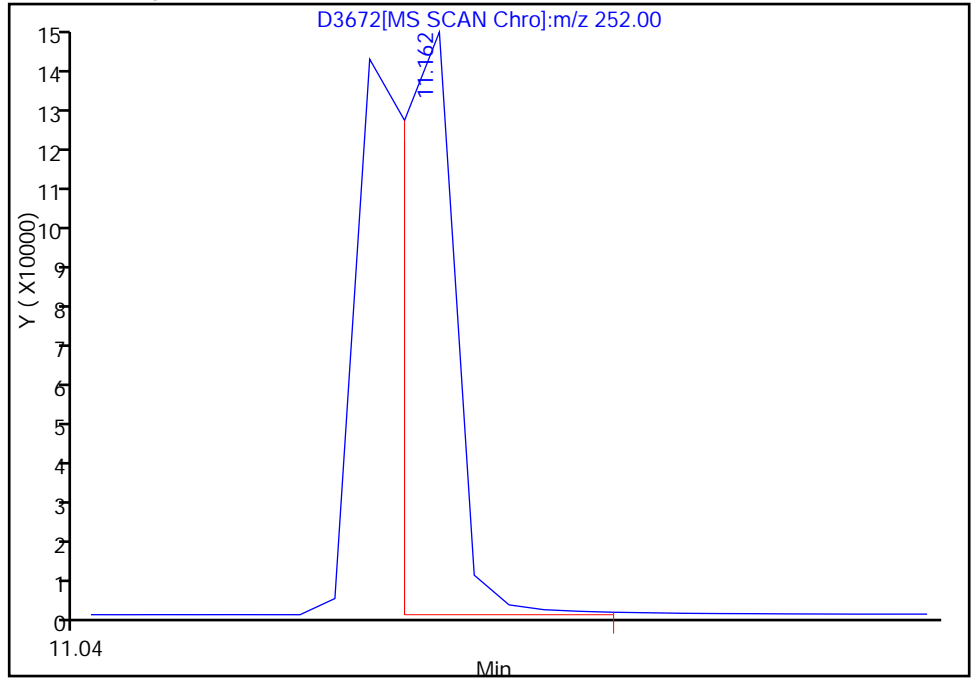
RT: 11.16  
Response: 297056  
Amount: 45.058166

Processing Integration Results



RT: 11.16  
Response: 199012  
Amount: 38.831883

Manual Integration Results



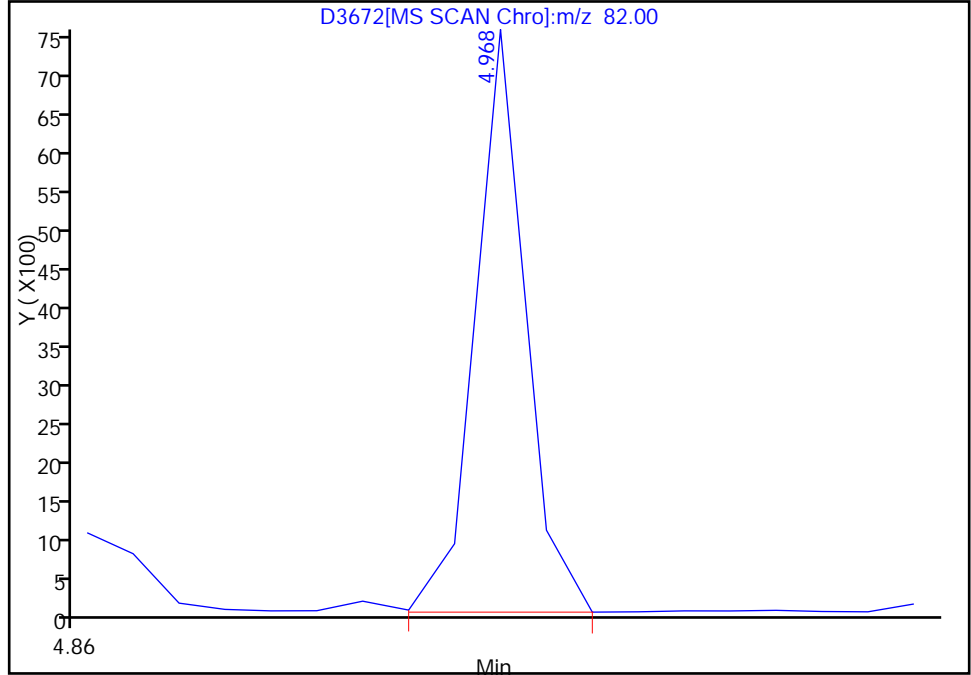
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

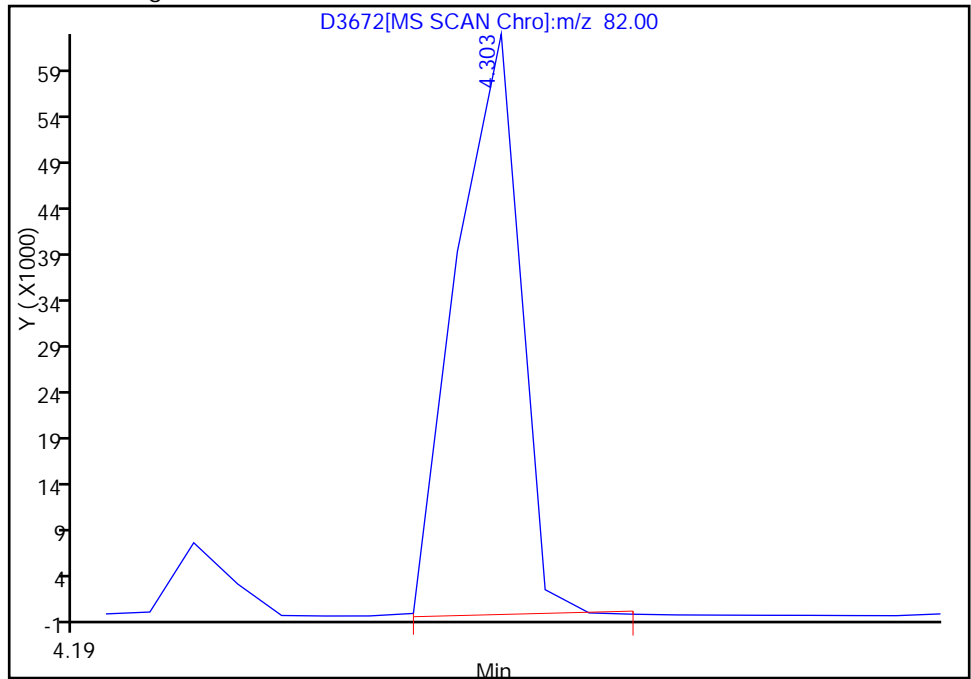
RT: 4.97  
Response: 6578  
Amount: 4.294231

Processing Integration Results



RT: 4.30  
Response: 72132  
Amount: 41.534450

Manual Integration Results



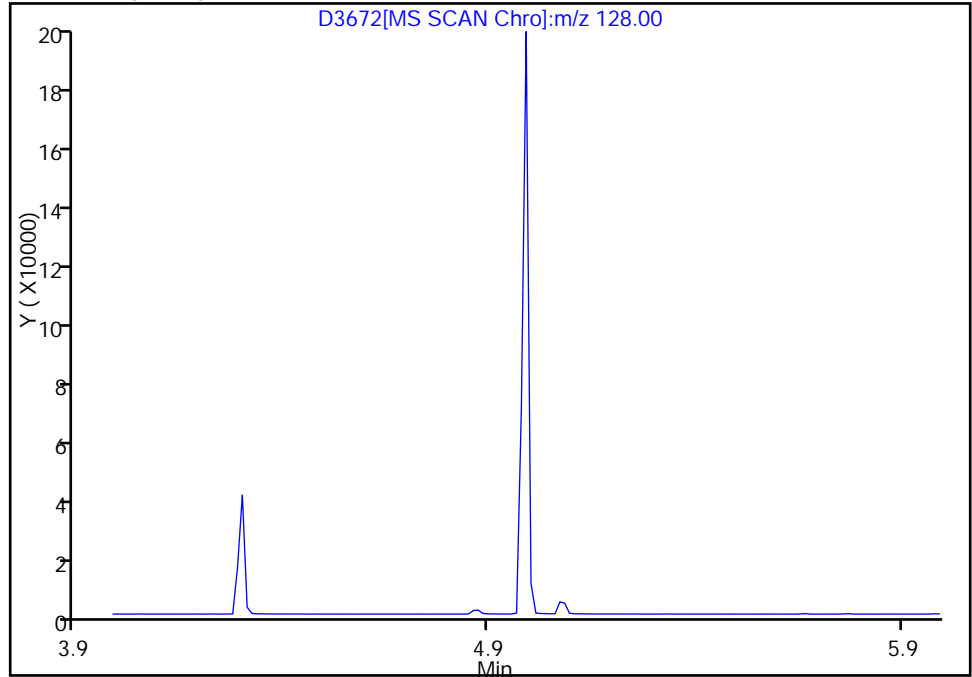
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

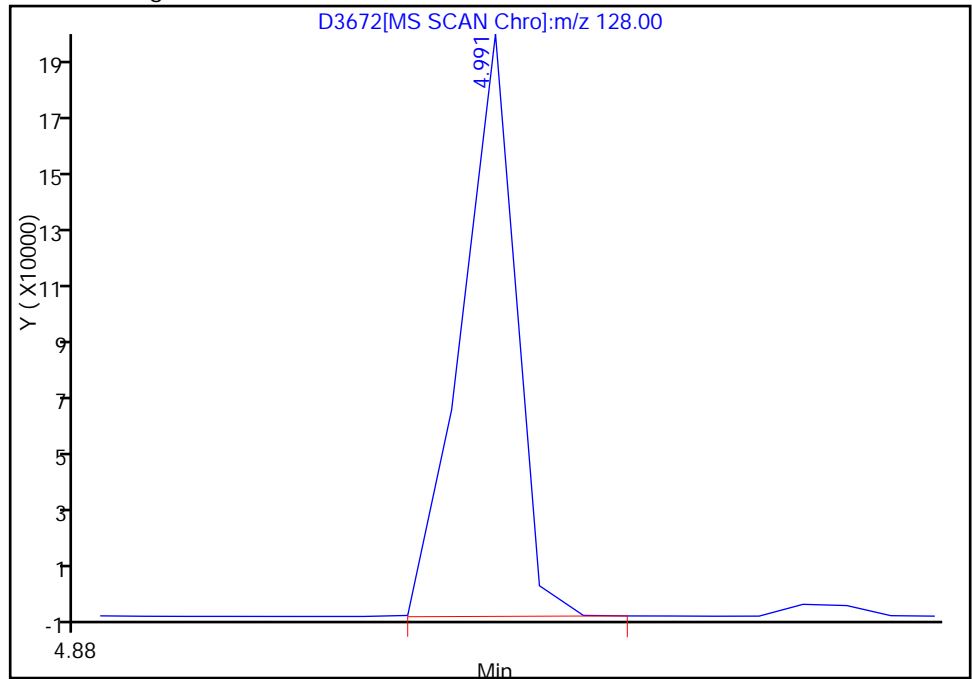
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 196547  
Amount: 33.670570



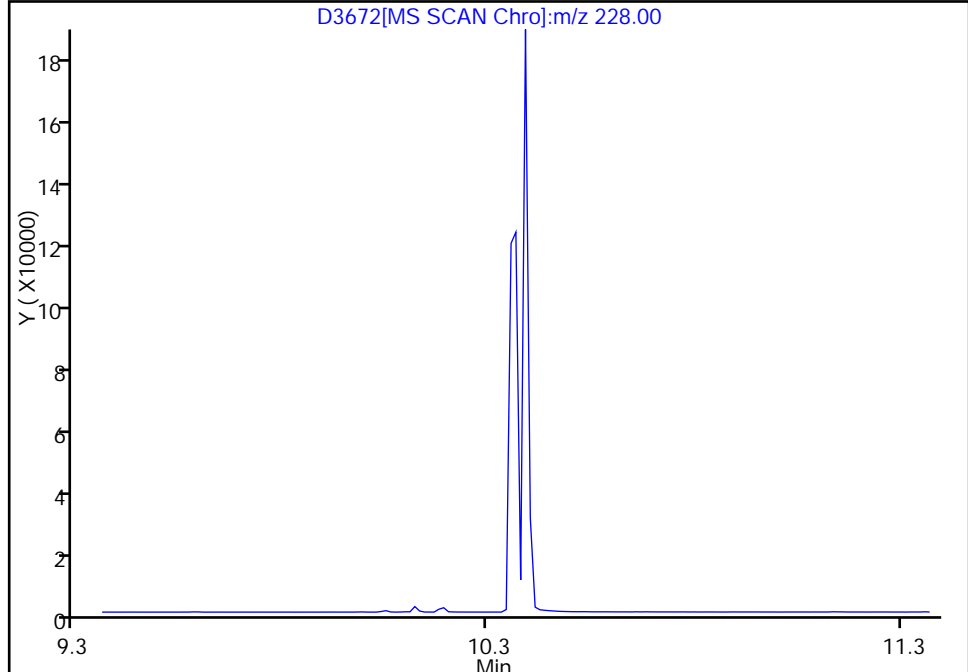
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.37

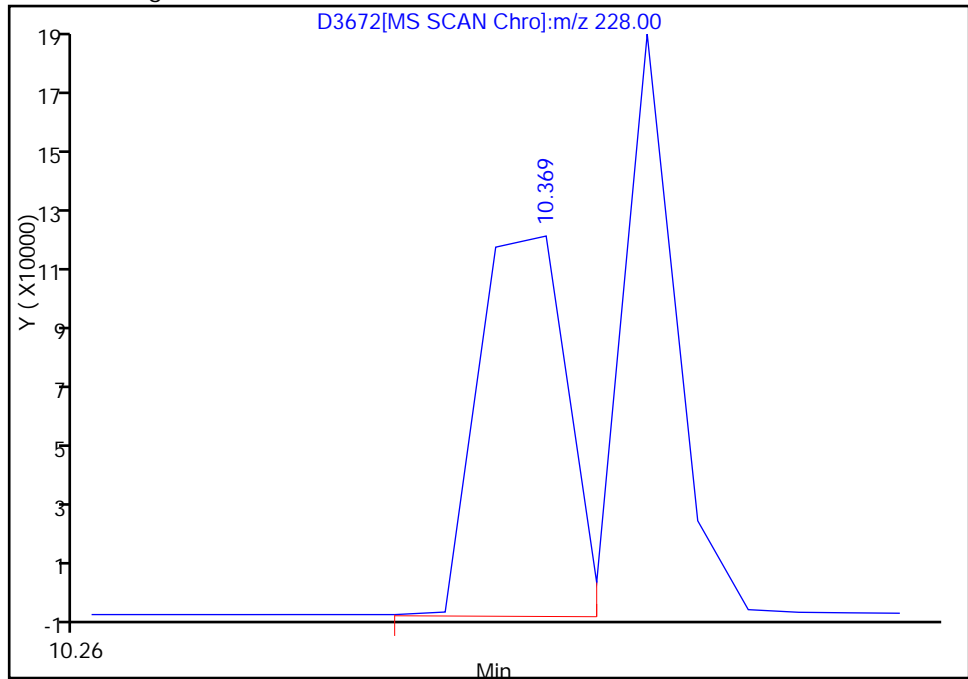
Not Detected  
Expected RT: 10.37

Processing Integration Results



Manual Integration Results

RT: 10.37  
Response: 173542  
Amount: 32.691208



Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

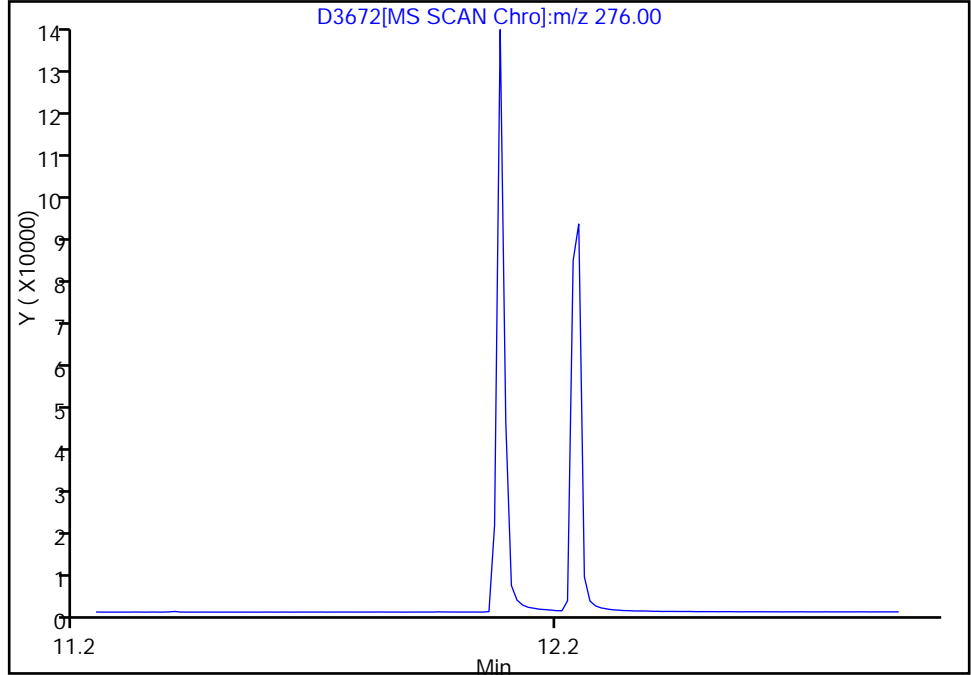


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.25

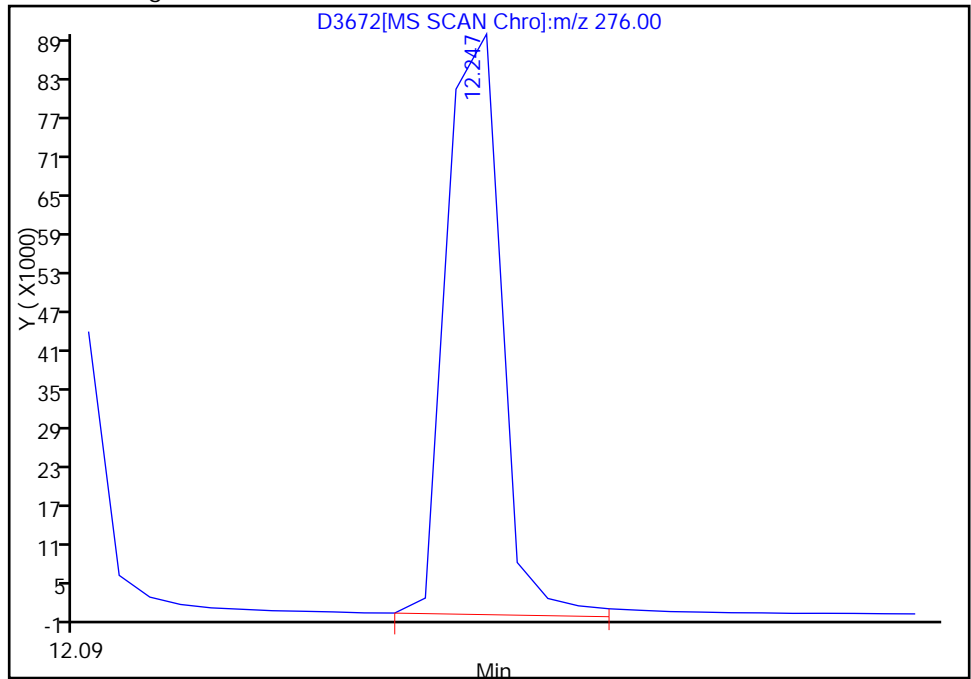
Not Detected  
Expected RT: 12.25

Processing Integration Results



Manual Integration Results

RT: 12.25  
Response: 130379  
Amount: 38.357352



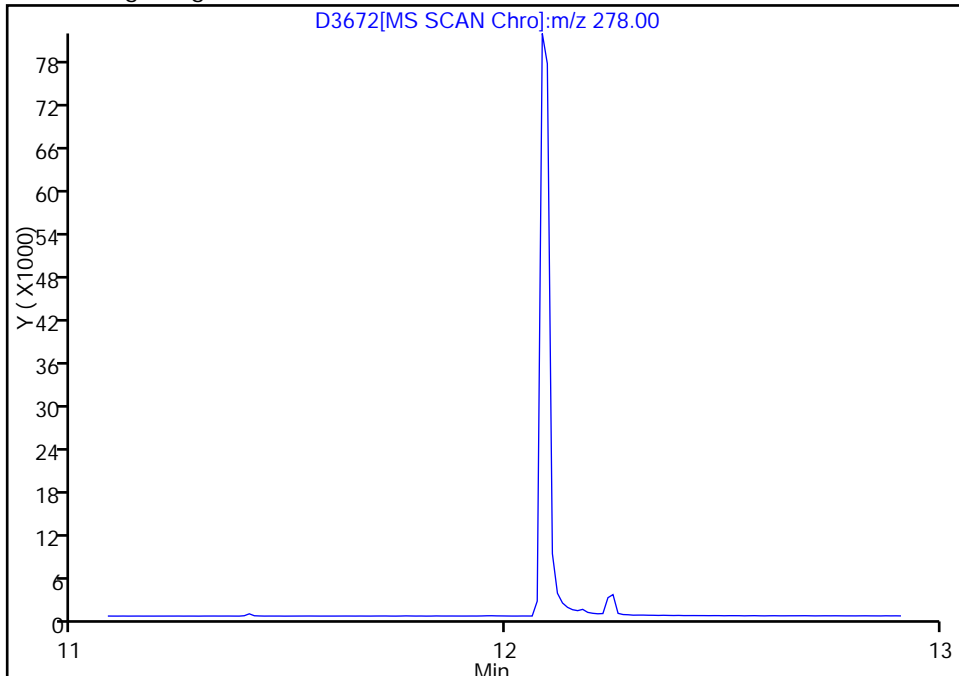
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

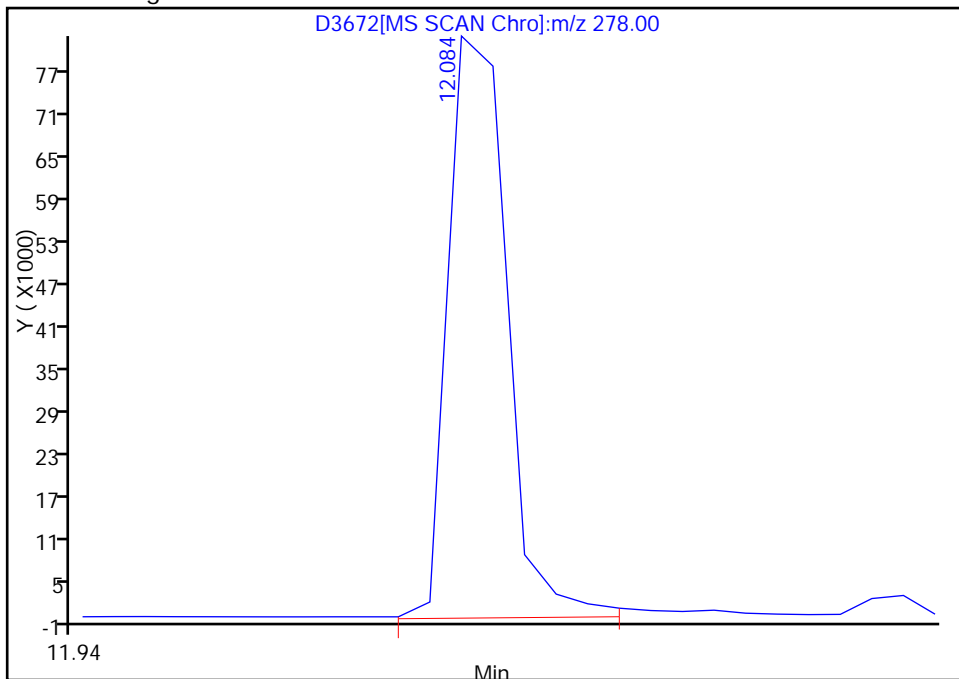
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.08

Not Detected  
Expected RT: 12.08

Processing Integration Results



Manual Integration Results



RT: 12.08  
Response: 123239  
Amount: 38.540178

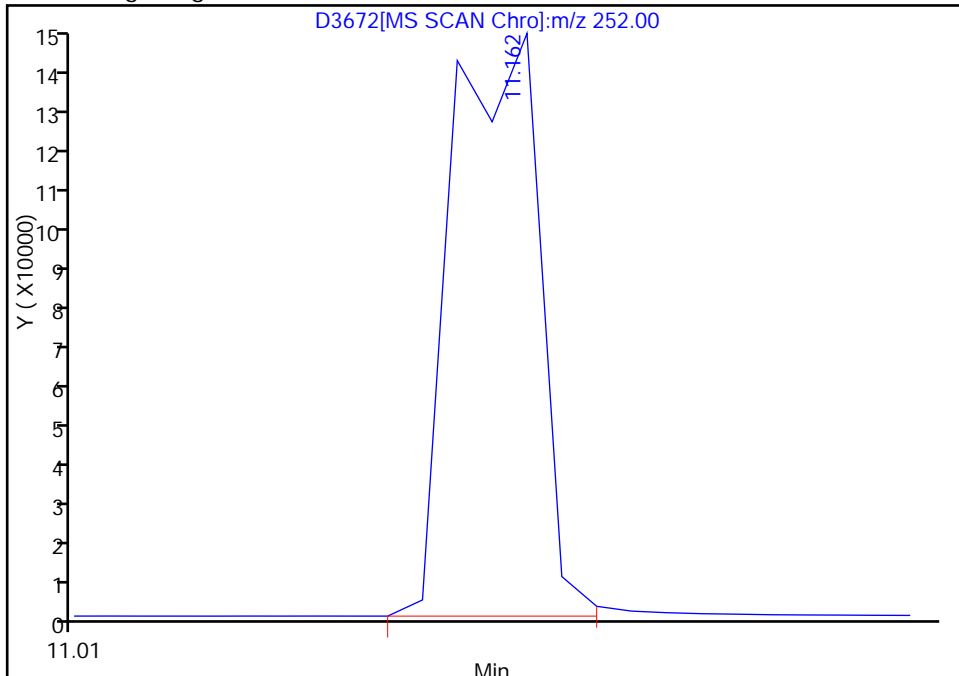
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

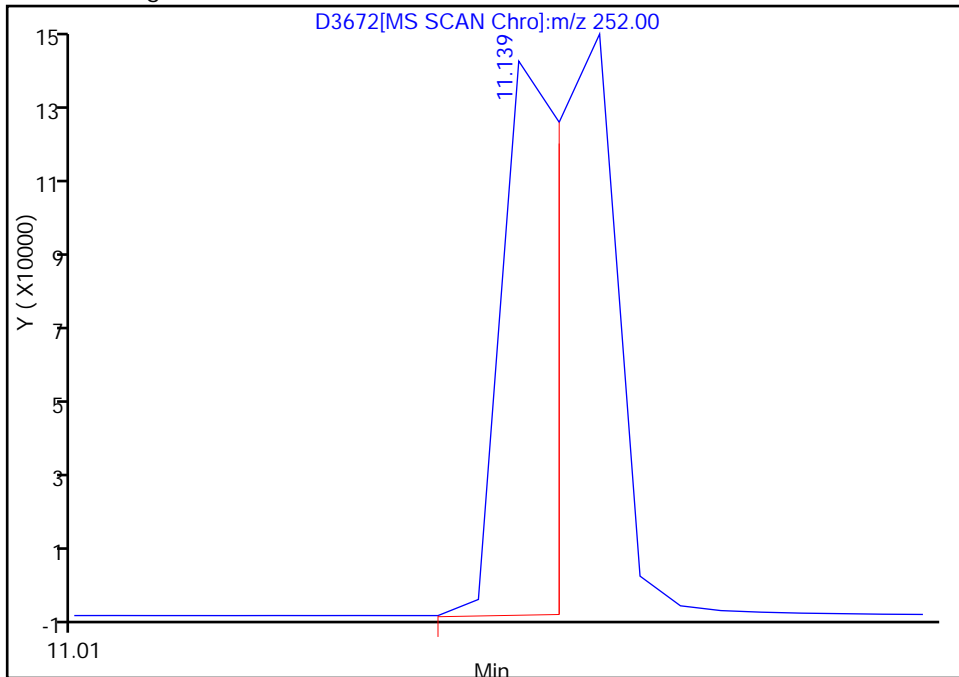
RT: 11.16  
Response: 297056  
Amount: 44.282553

Processing Integration Results



RT: 11.14  
Response: 186455  
Amount: 30.108132

Manual Integration Results



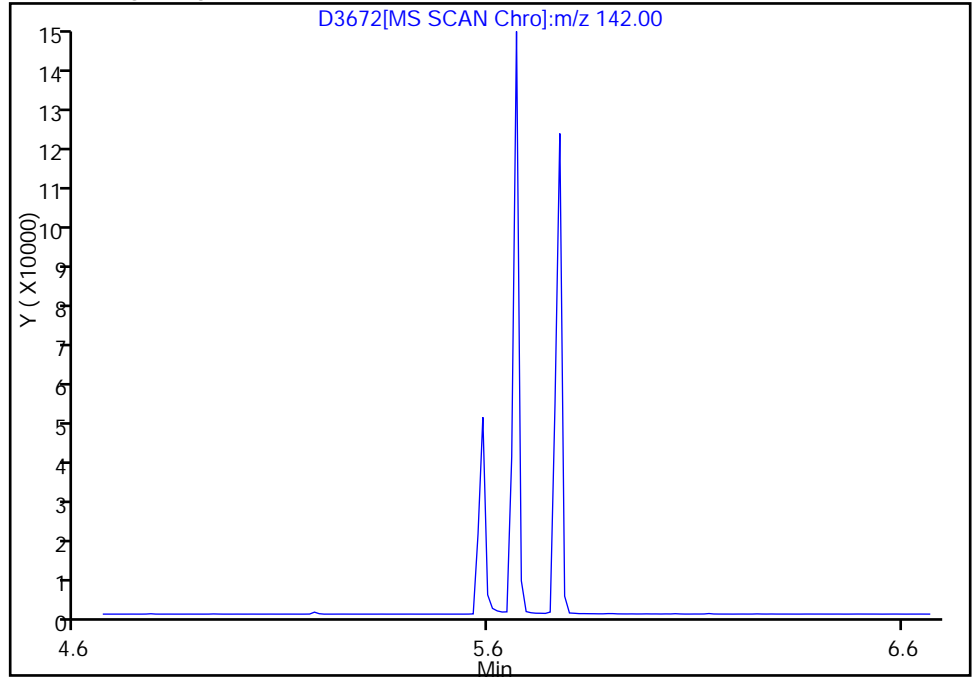
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

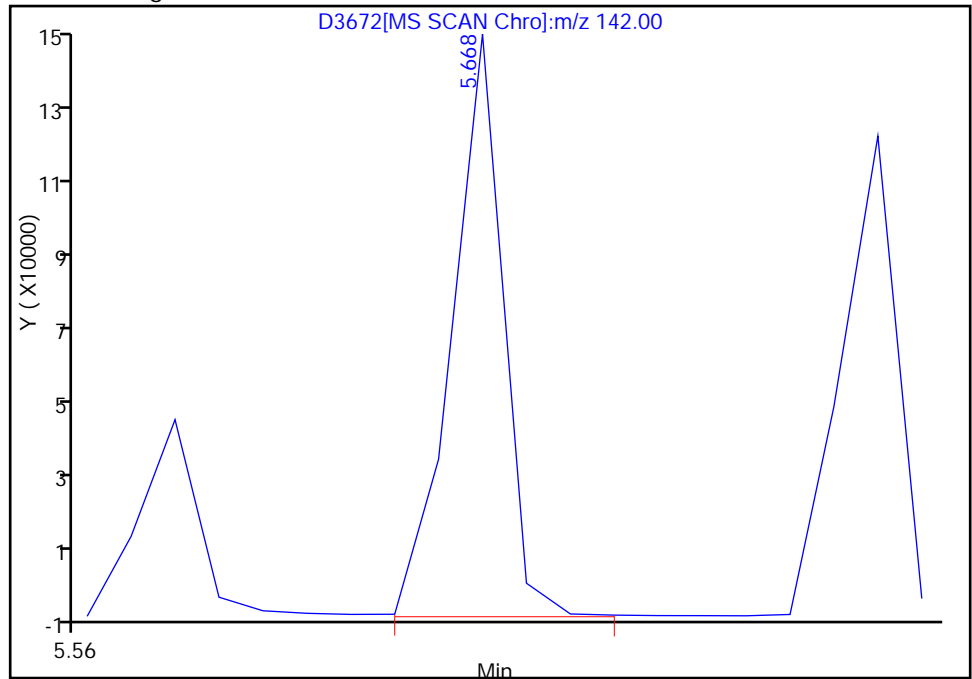
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 139921  
Amount: 34.348109



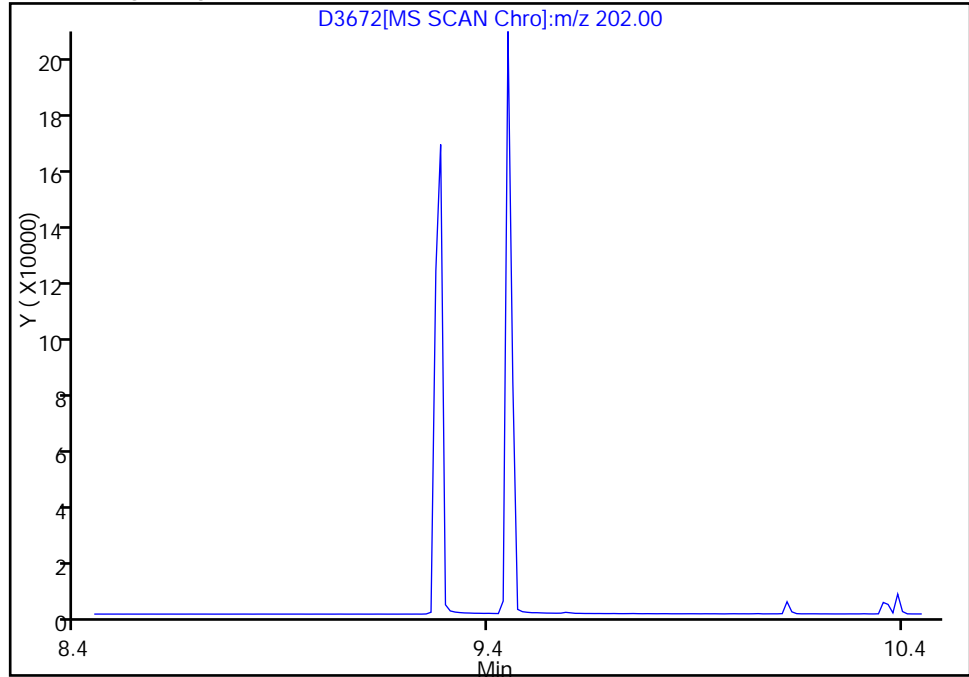
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

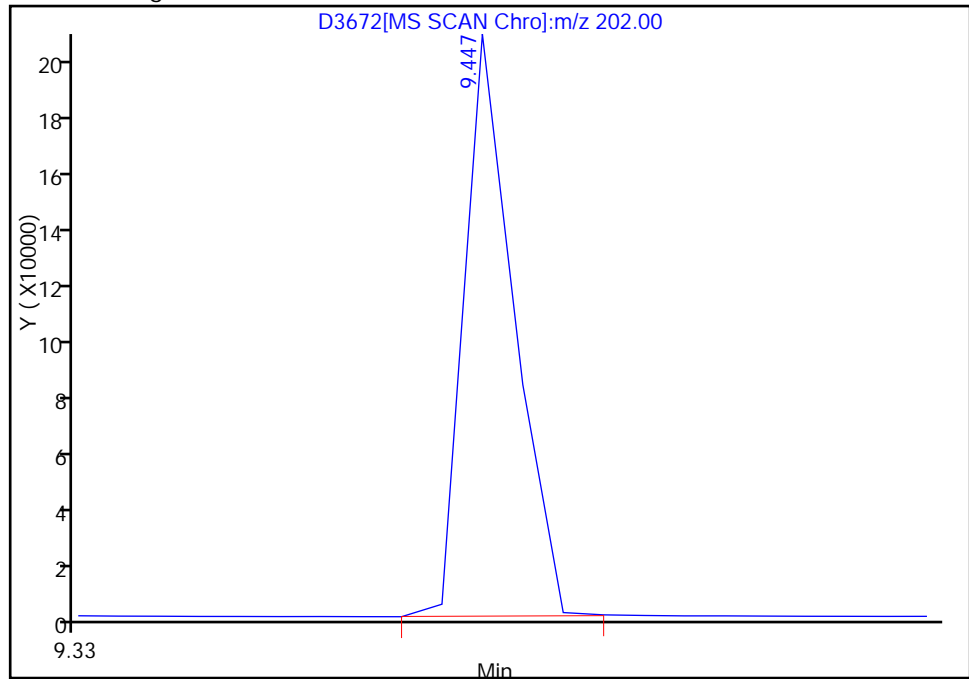
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 203324  
Amount: 31.999251



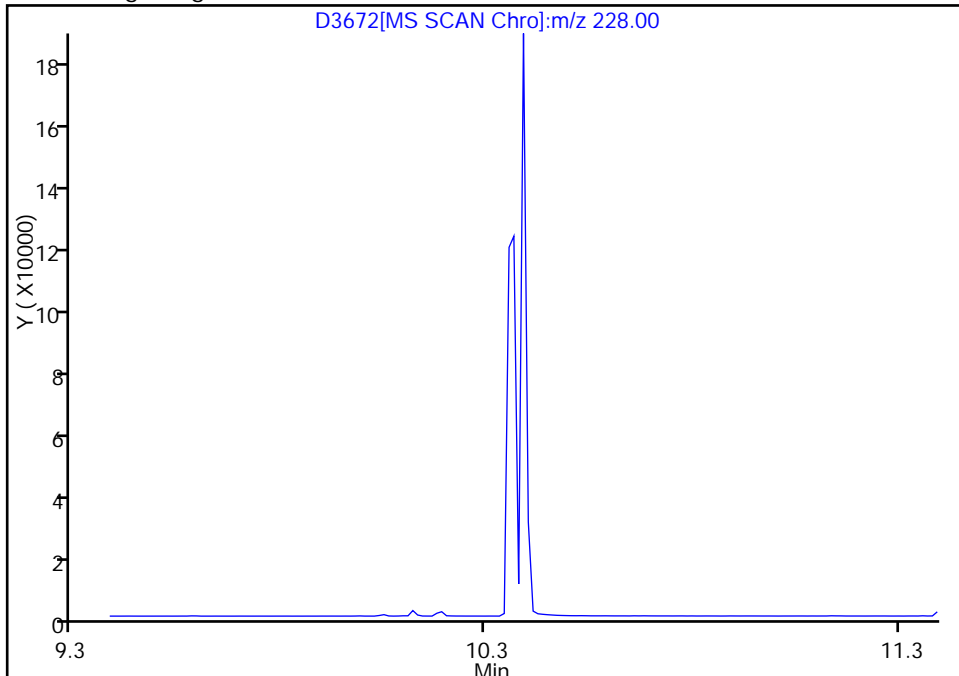
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

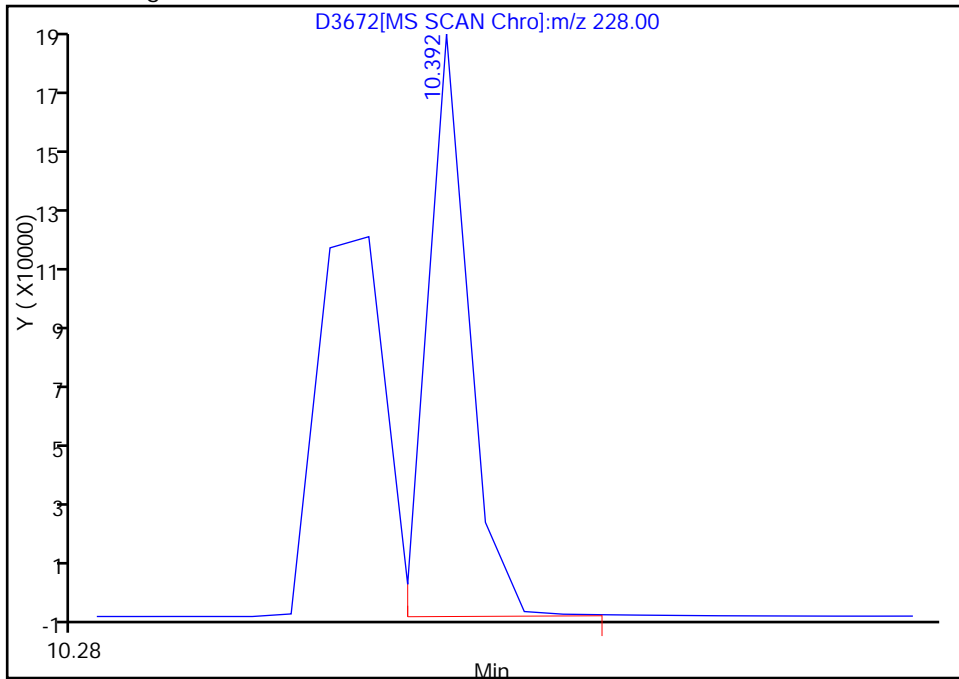
104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results



RT: 10.39  
Response: 157105  
Amount: 35.535564

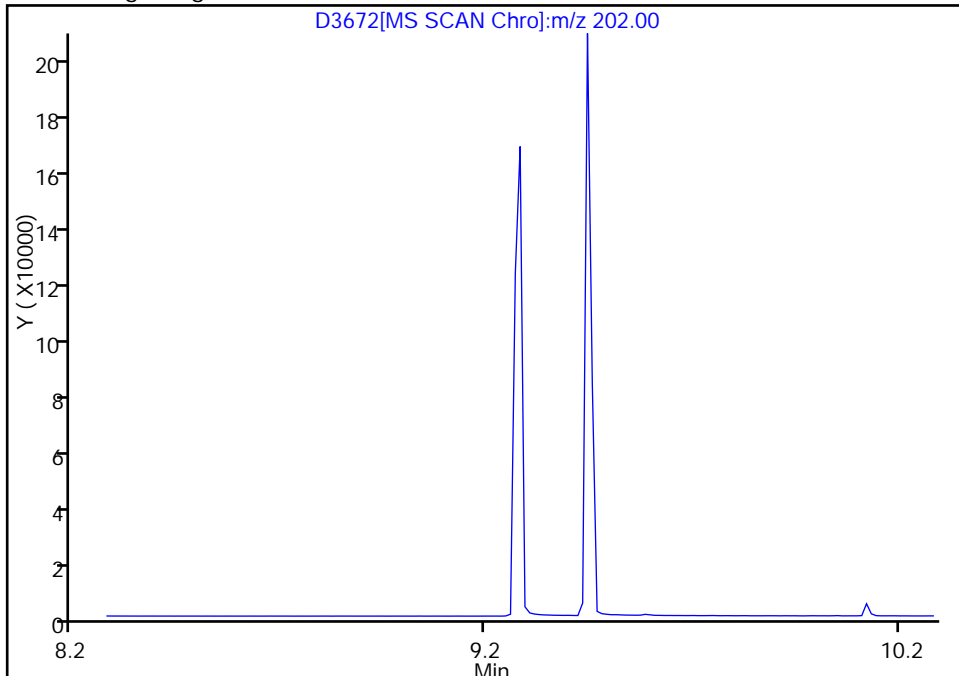
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

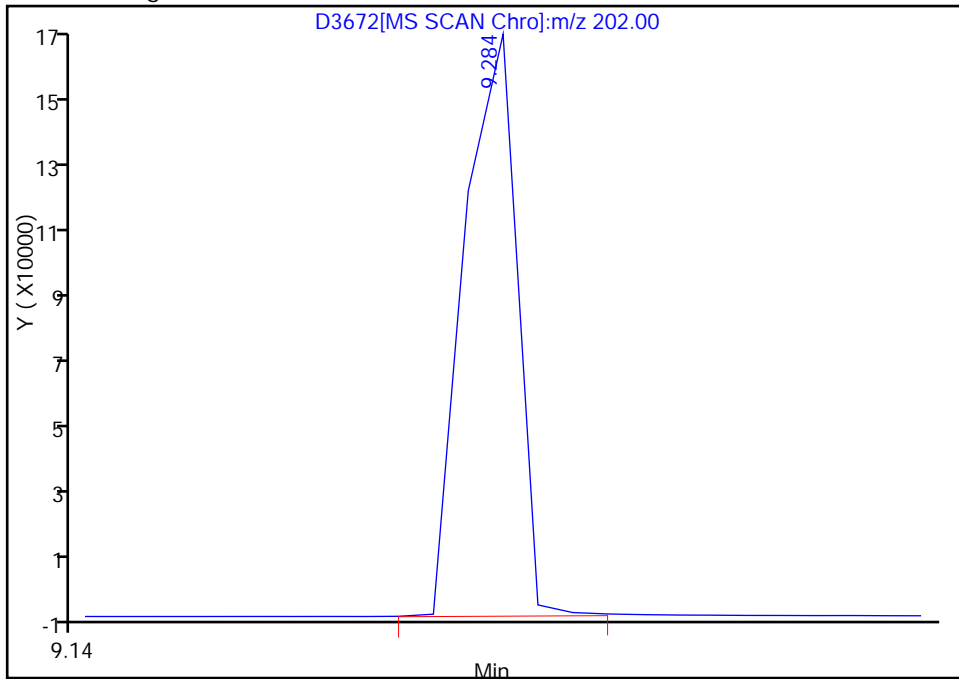
Not Detected  
Expected RT: 9.28

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 203111  
Amount: 35.873178



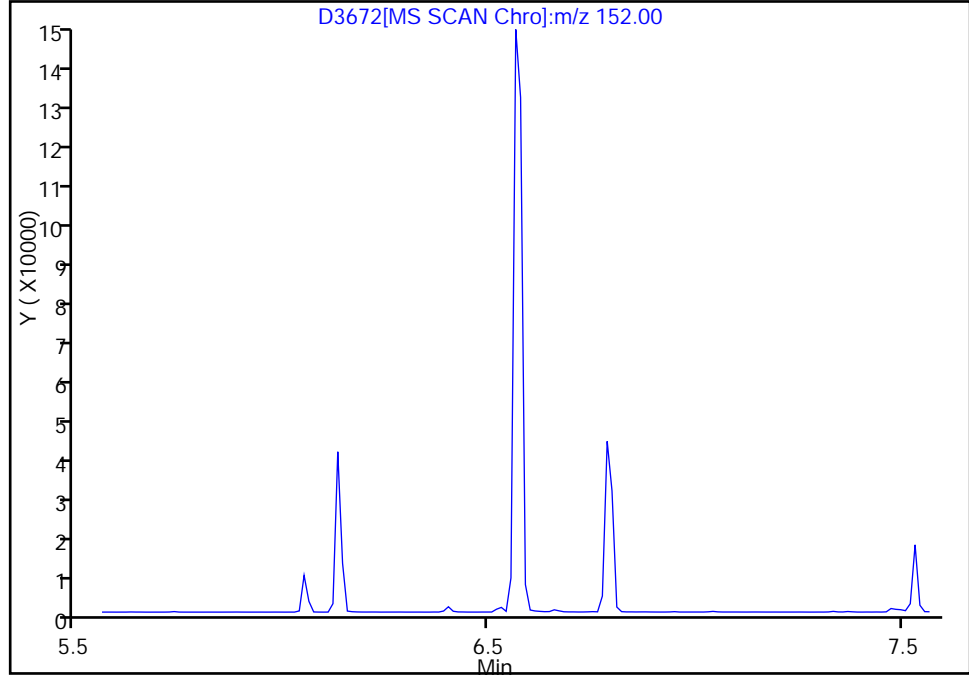
Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

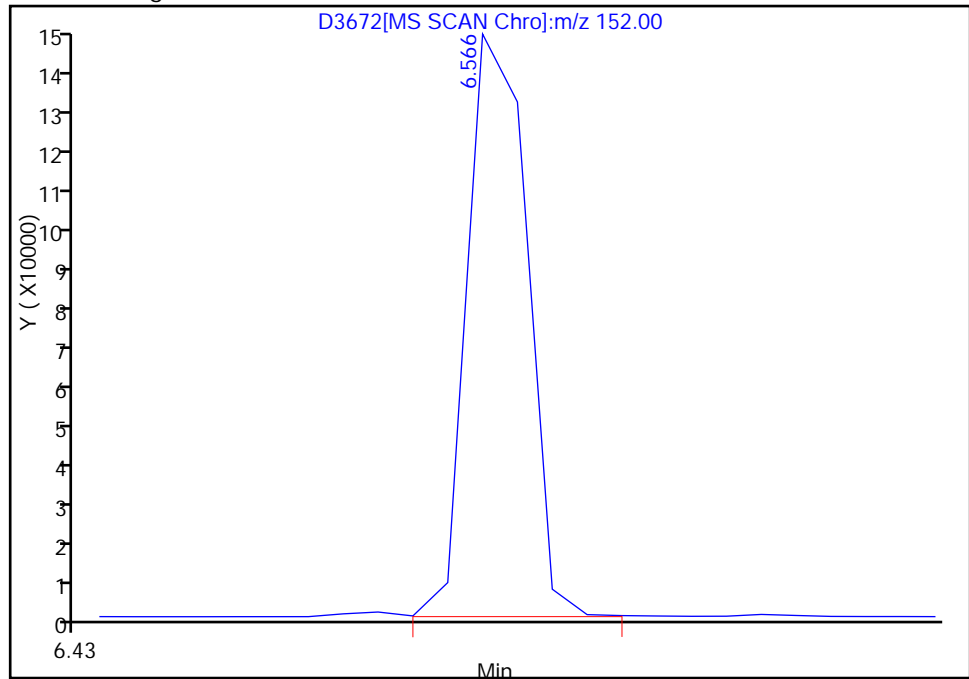
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 196110  
Amount: 32.820492



Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

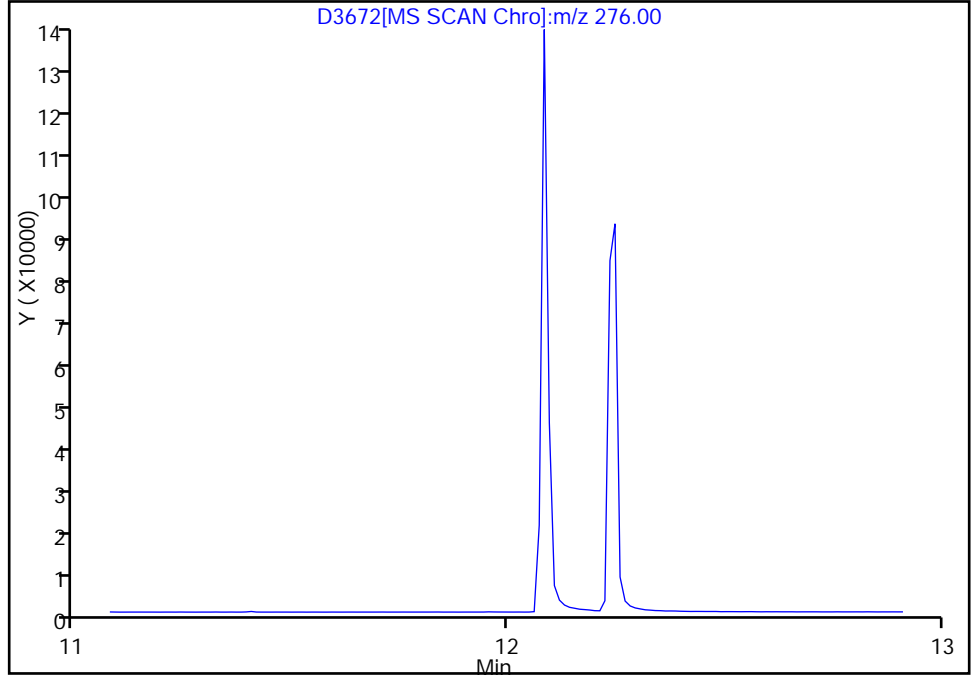


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3672.D  
Injection Date: 29-Jan-2012 13:01:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 8  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.08

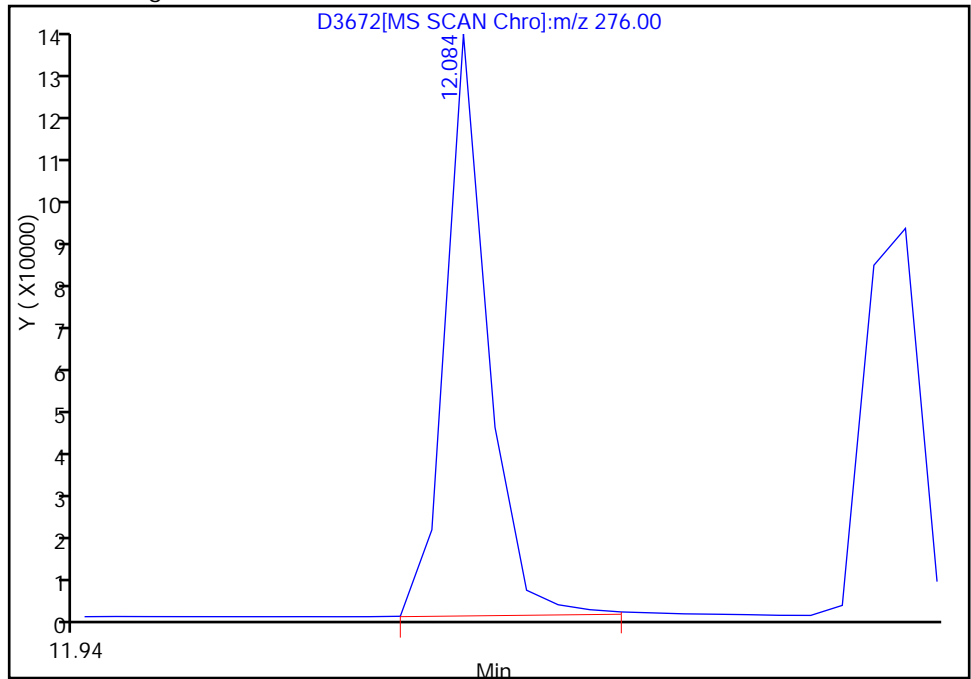
Not Detected  
Expected RT: 12.08

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 145094  
Amount: 36.765377



Reviewer: squiresb, 29-Jan-2012 20:06:14  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Lims ID: sstd080 Client ID:  
 Inject. Date: 29-Jan-2012 13:20:30 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 8  
 Sample ID: SSTD080  
 Misc. Info.: 510-0006247-009 =510-0006247-009  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 9  
 Lims Batch ID: 93035 Lims Sample ID: 9  
 Sublist: chrom-SIM-PNA\*sub4  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:09:36 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:09:36

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	94686	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		47719		20.2- 80.2	50.4
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	146336	69.4	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		373971		239.5- 299.5	255.6 M
	54	4.968	4.303	0.665		20600		17.0- 77.0	14.1
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	230092	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	373687	60.8	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	257579	60.1	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.065	6.053	0.012	1	285030	61.9		
71 Acenaphthylene									
	152	6.578	6.578	0.000	0	356845	59.0	70.0- 130.0	100.0 M
	151	0.0	6.578	-6.578		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	122593	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		110547		59.3- 119.3	90.2

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
153	6.788	6.788	0.000	0	211534	65.7	70.0- 130.0	100.0	
152	6.788	6.788	0.000		101069		16.5- 76.5	47.8	
154	6.799	6.788	0.011		213889		68.8- 128.8	101.1	
80 Fluorene									
166	7.359	7.359	0.000	20	258174	62.4	70.0- 130.0	100.0	
165	7.359	7.359	0.000		226575		57.6- 117.6	87.8	
* 90 Phenanthrene-d10									
188	8.258	8.257	0.001	1	190871	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	321089	60.7	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	346737	67.2	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.284	9.284	0.000	0	350407	62.8	70.0- 130.0	100.0	M
101	0.0	9.284	-9.284		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	340922	64.5	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.599	9.587	0.012	1	191876	72.2	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	301562	67.9	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.380	-0.011	1	117107	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	245811	66.6	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	231652	82.7	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		118668		5.7- 65.7	51.2	
107 Benzo[k]fluoranthene									
252	11.139	11.139	0.000	1	400010	82.4	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		118668		7.6- 67.6	29.7	
108 Benzo[a]pyrene									
252	11.360	11.372	-0.012	1	223931	68.3	70.0- 130.0	100.0	
253	11.360	11.372	-0.012		57317		0.0- 53.3	25.6	
* 109 Perylene-d12									
264	11.395	11.407	-0.012	1	92562	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.072	12.072	0.000	0	223465	67.7	70.0- 130.0	100.0	M
138	0.0	12.072	-12.072		0		0.0- 50.5		M

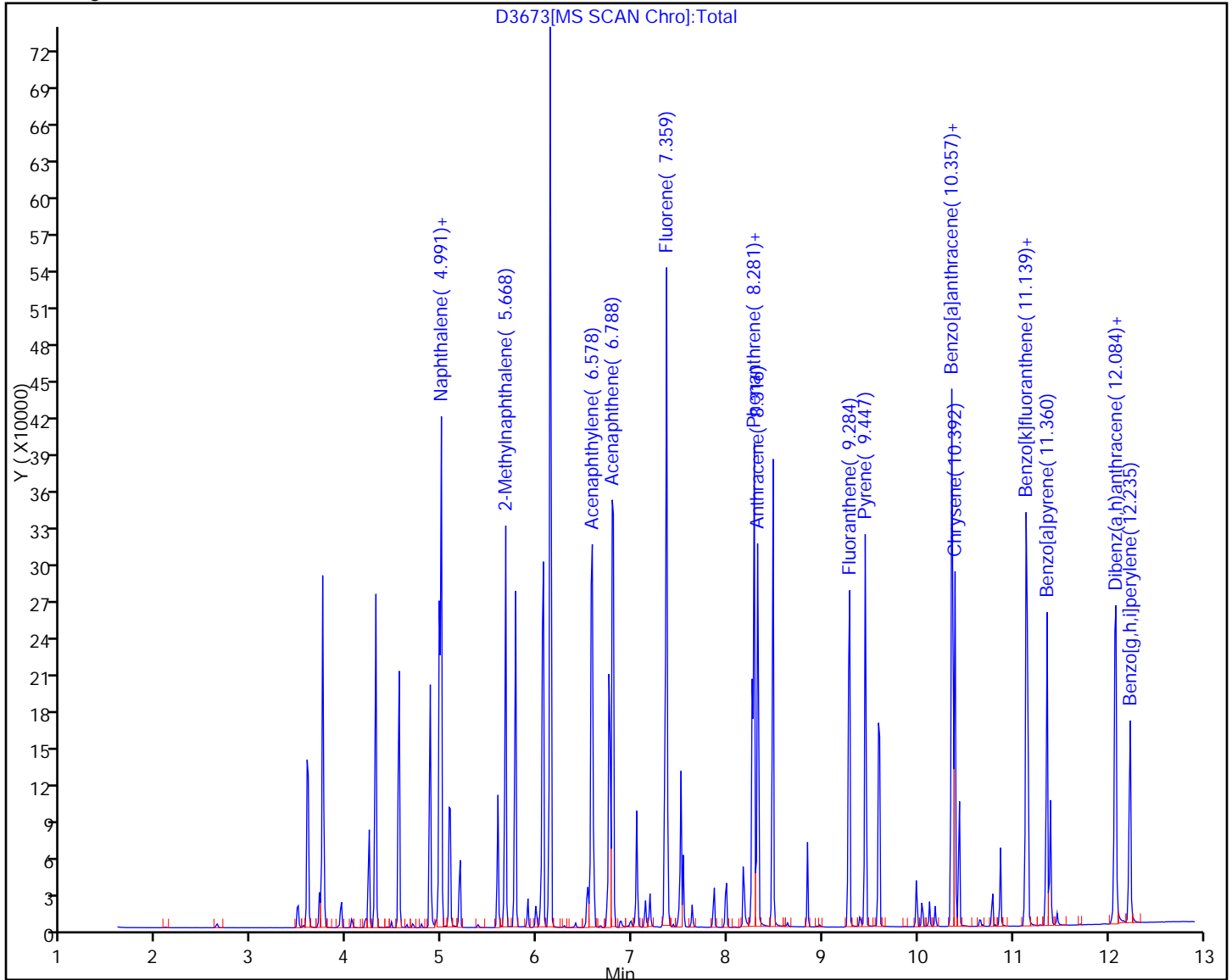
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.084	12.084	0.000	0	184471	68.8	70.0- 130.0	100.0	M
139	0.0	12.084	-12.084		0		0.0- 38.7		
24 Benzo[g,h,i]perylene									M
276	12.235	12.235	0.000	0	193257	67.9	70.0- 130.0	100.0	M
138	0.0	12.235	-12.235		0		0.0- 43.1		

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

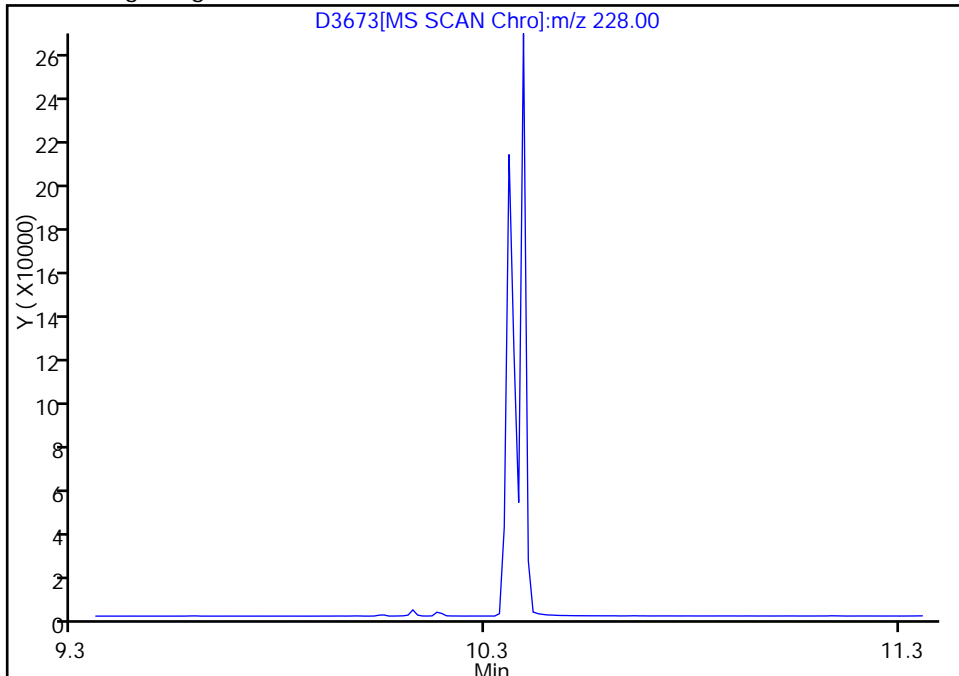


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

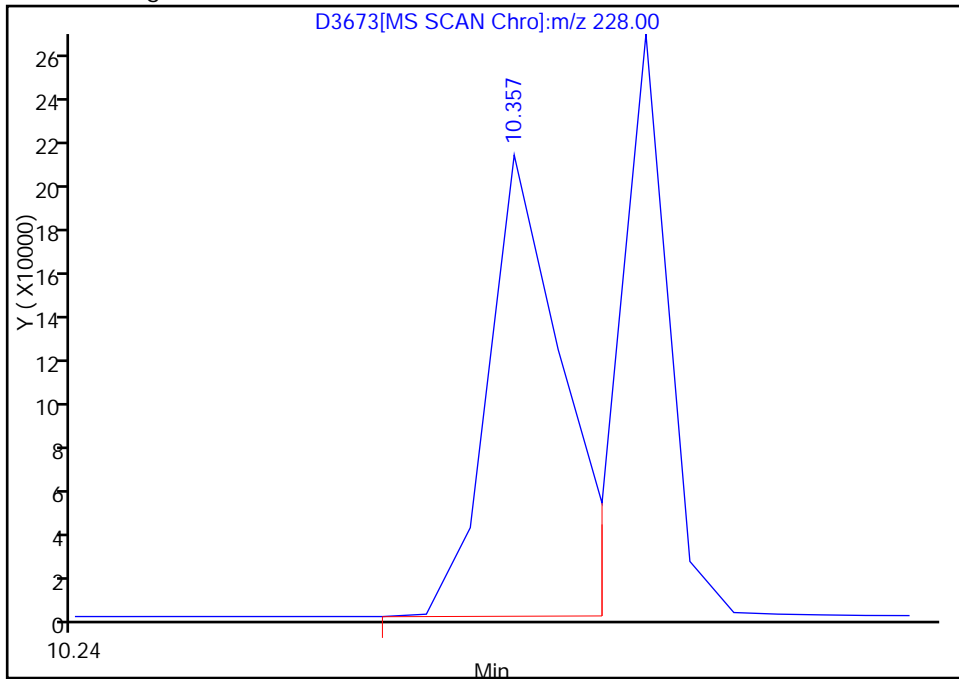
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 301562  
Amount: 67.879069



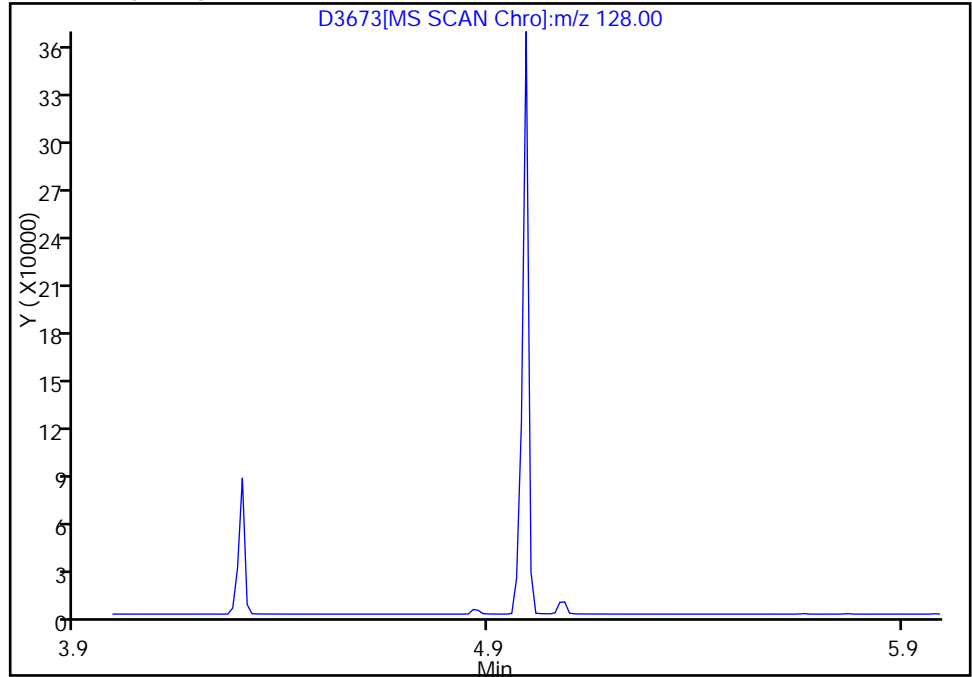
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

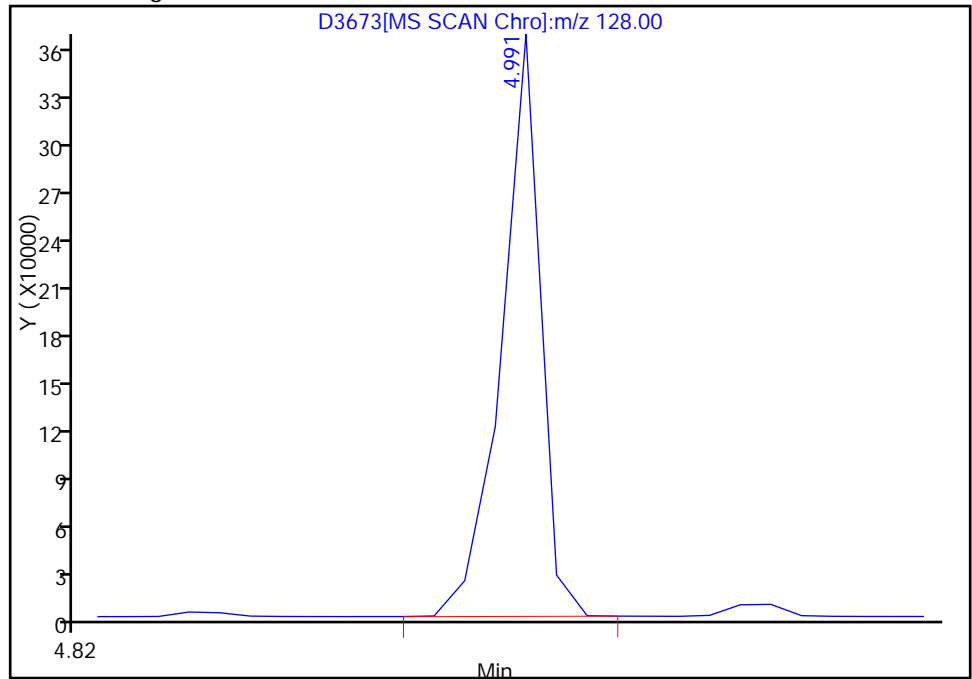
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 373687  
Amount: 60.769820



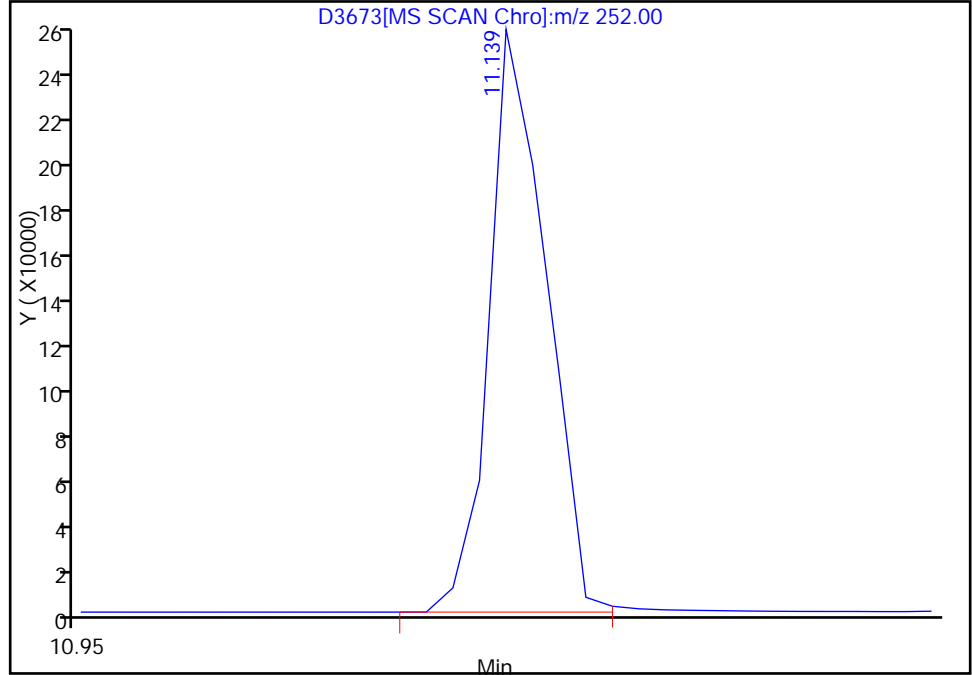
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

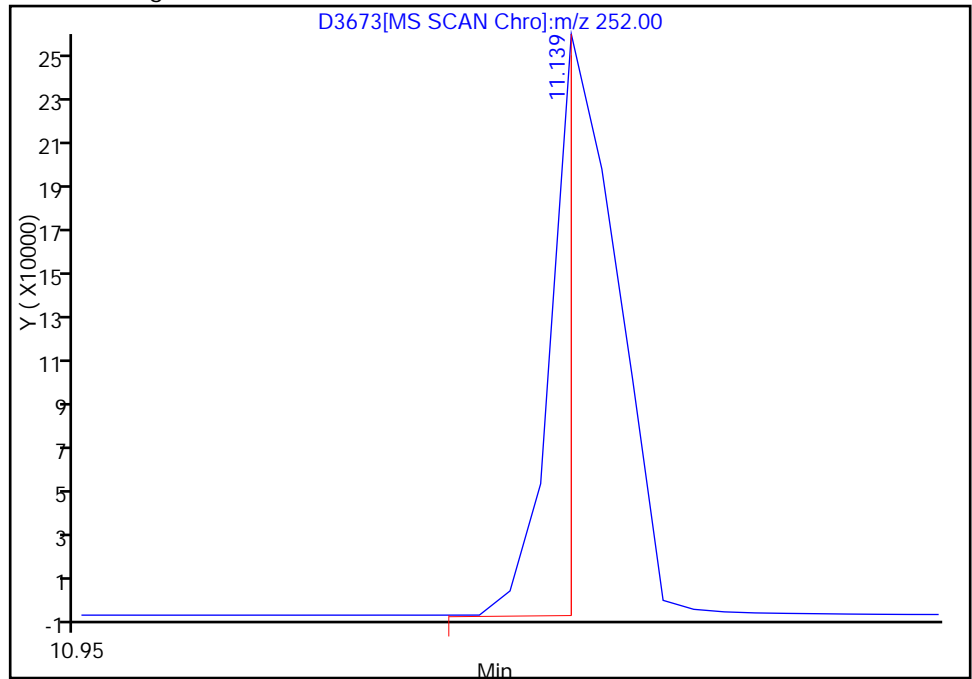
RT: 11.14  
Response: 449679  
Amount: 84.945413

Processing Integration Results



RT: 11.14  
Response: 231652  
Amount: 82.655169

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

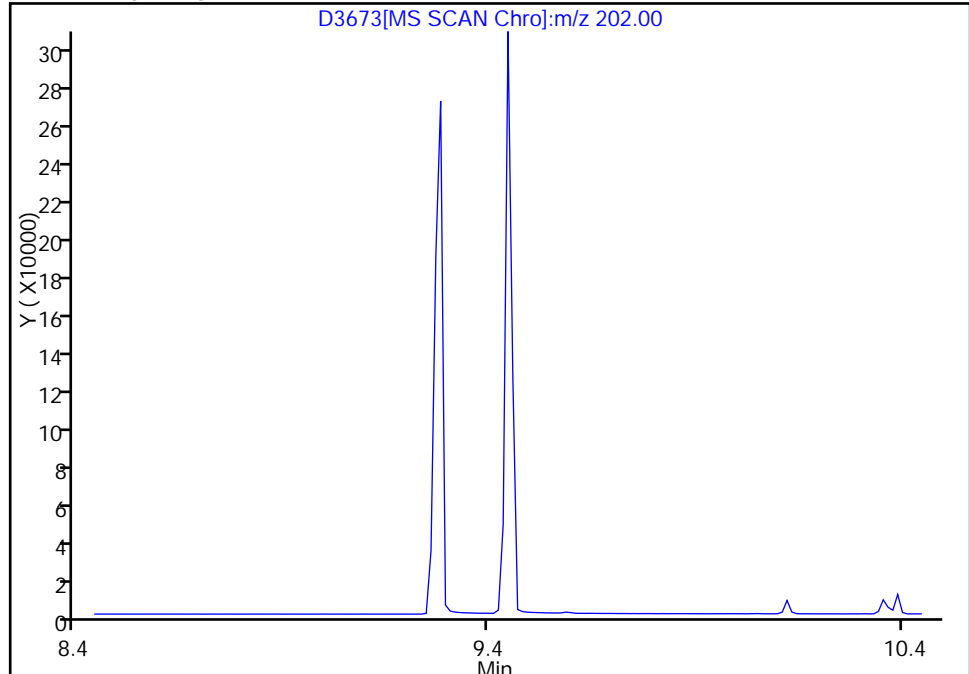


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

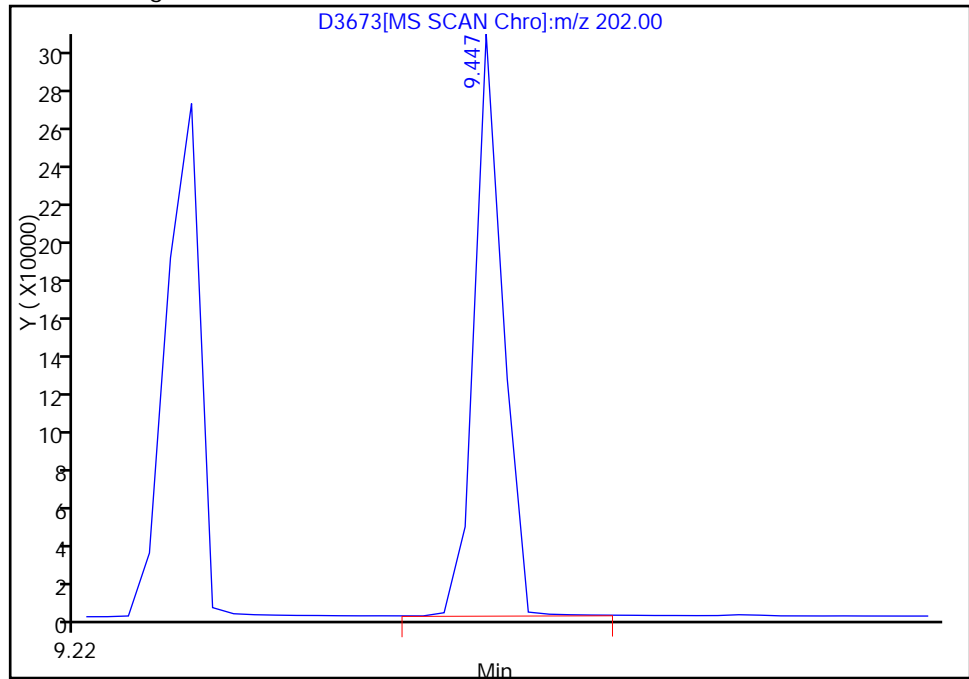
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 340922  
Amount: 64.491569



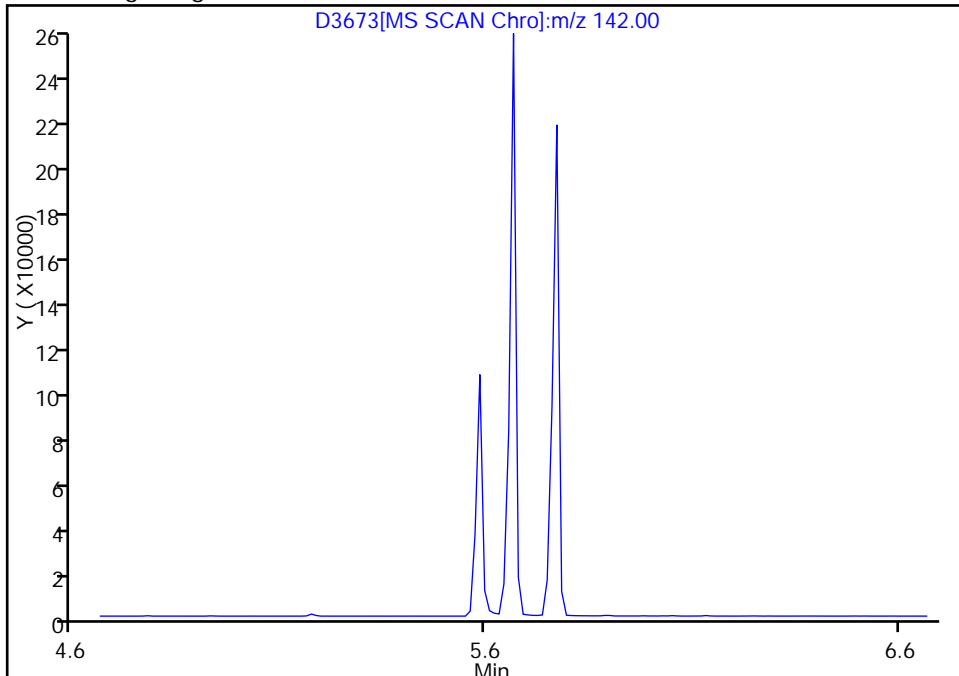
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

62 2-Methylnaphthalene, Signal: 1, m/z: 142.0 Type: quant, RT: 5.67

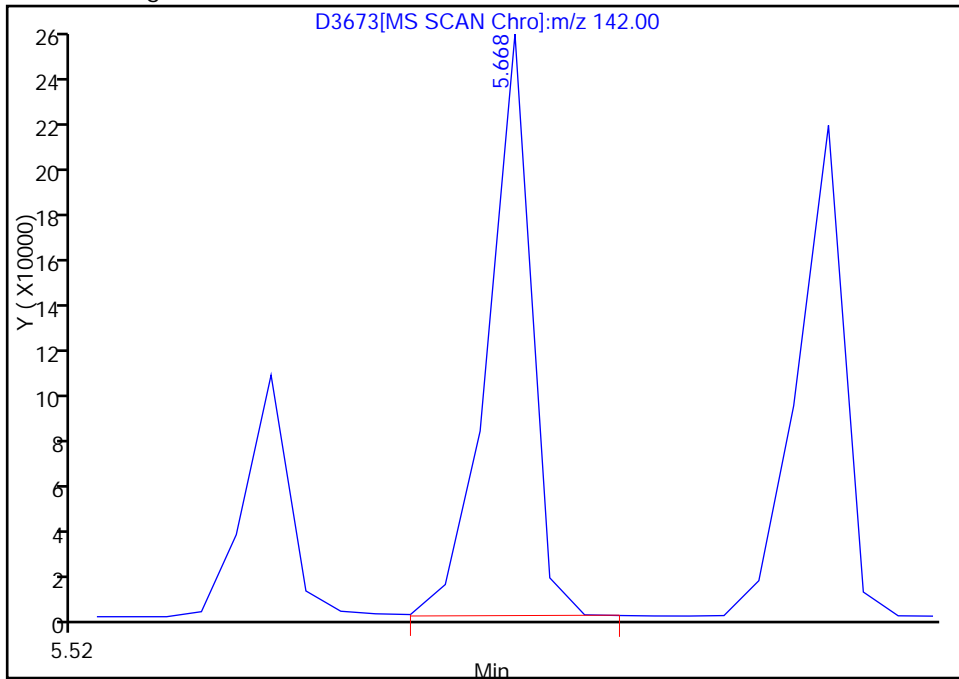
Not Detected  
Expected RT: 5.67

Processing Integration Results



Manual Integration Results

RT: 5.67  
Response: 257579  
Amount: 60.094201



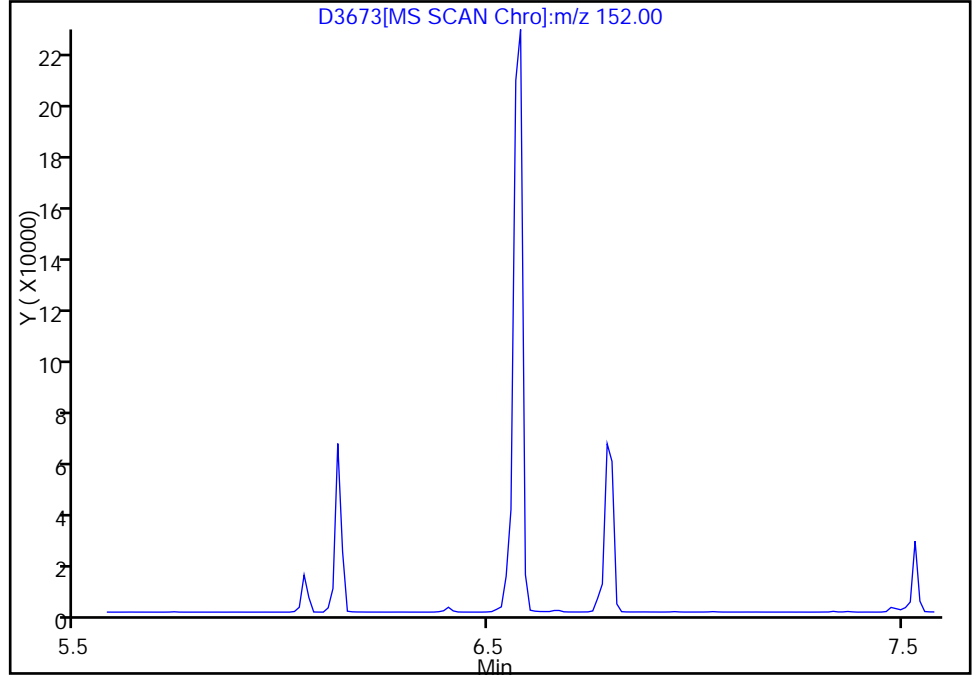
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.58

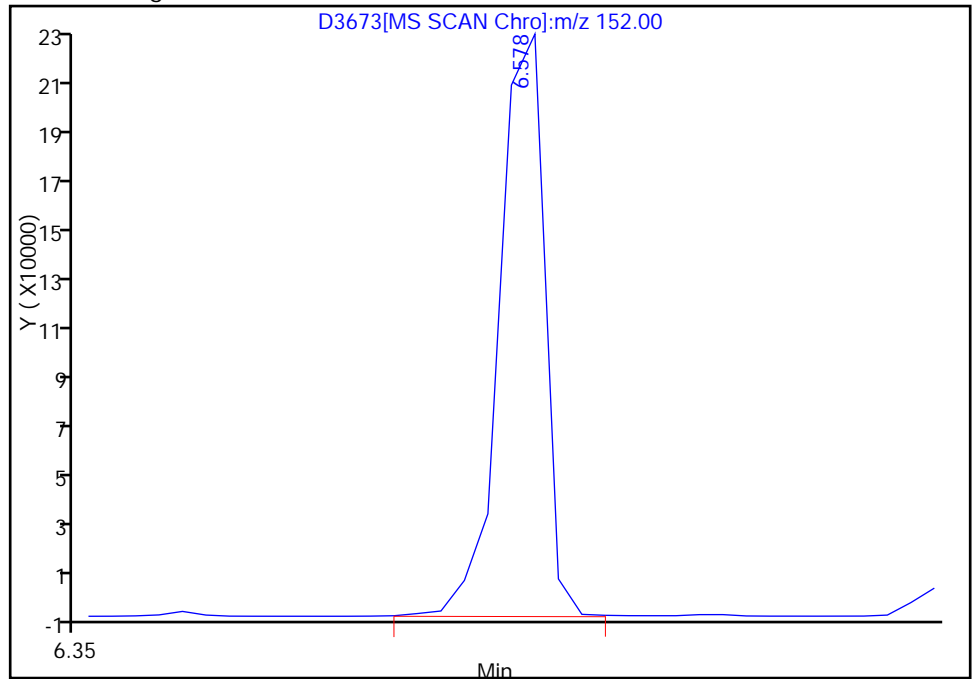
Not Detected  
Expected RT: 6.58

Processing Integration Results



Manual Integration Results

RT: 6.58  
Response: 356845  
Amount: 58.981212



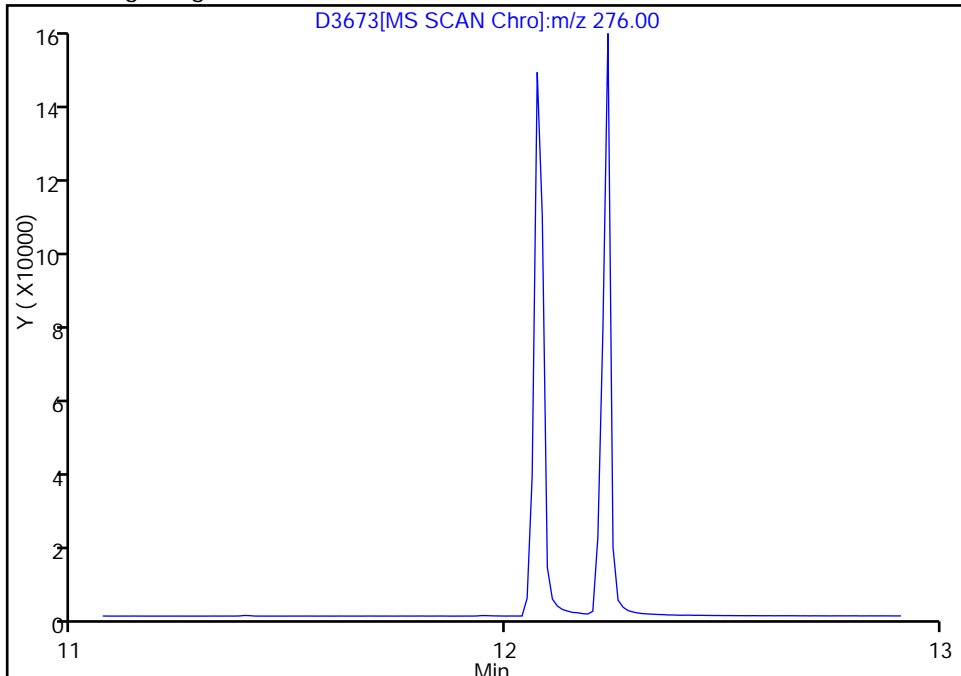
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.07

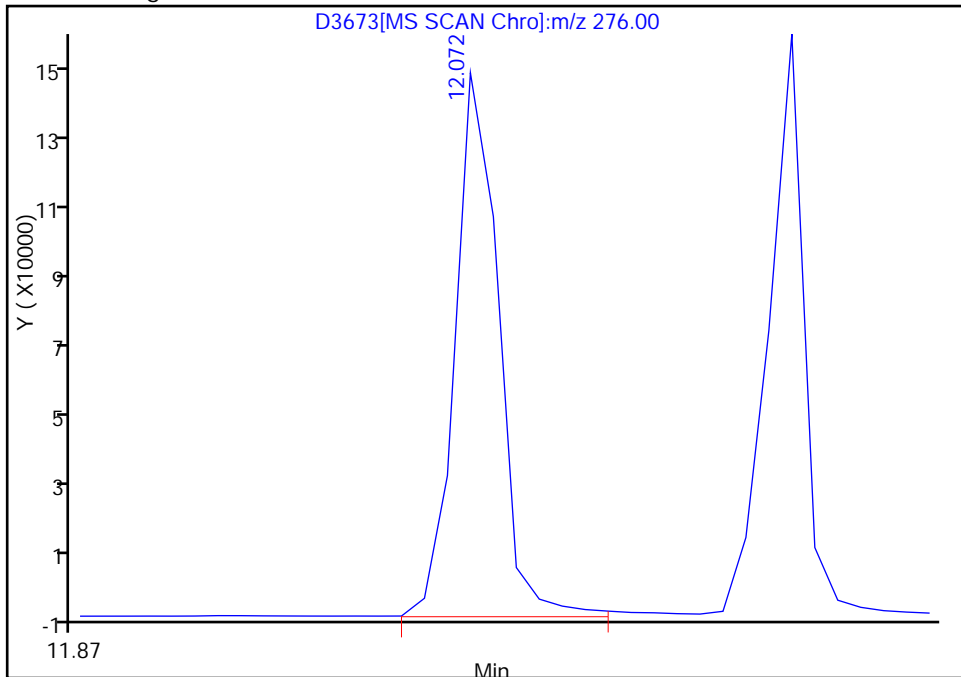
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.07  
Response: 223465  
Amount: 67.696332



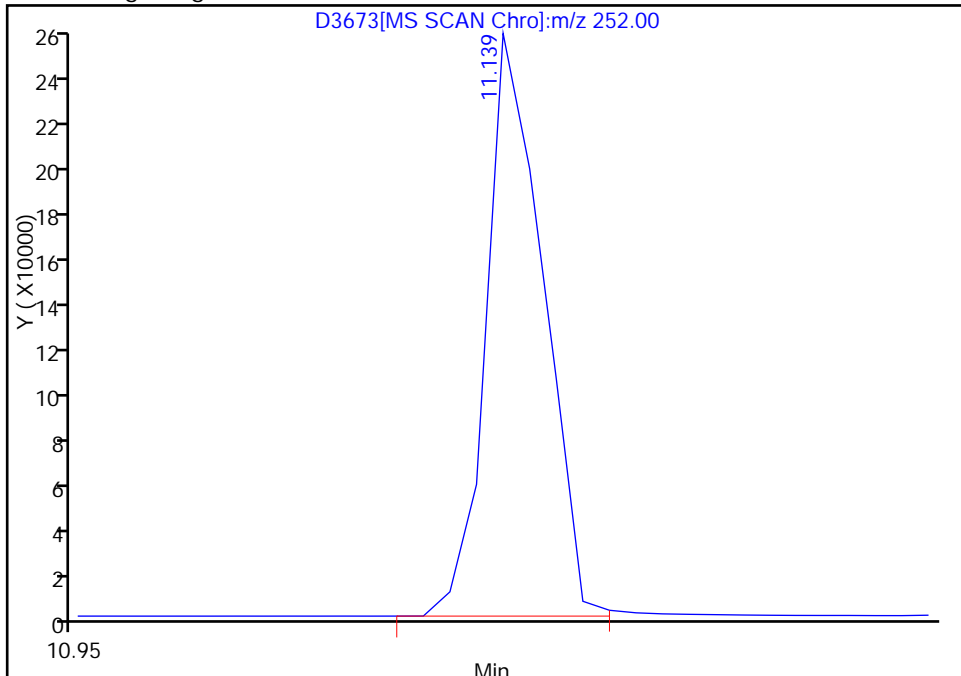
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

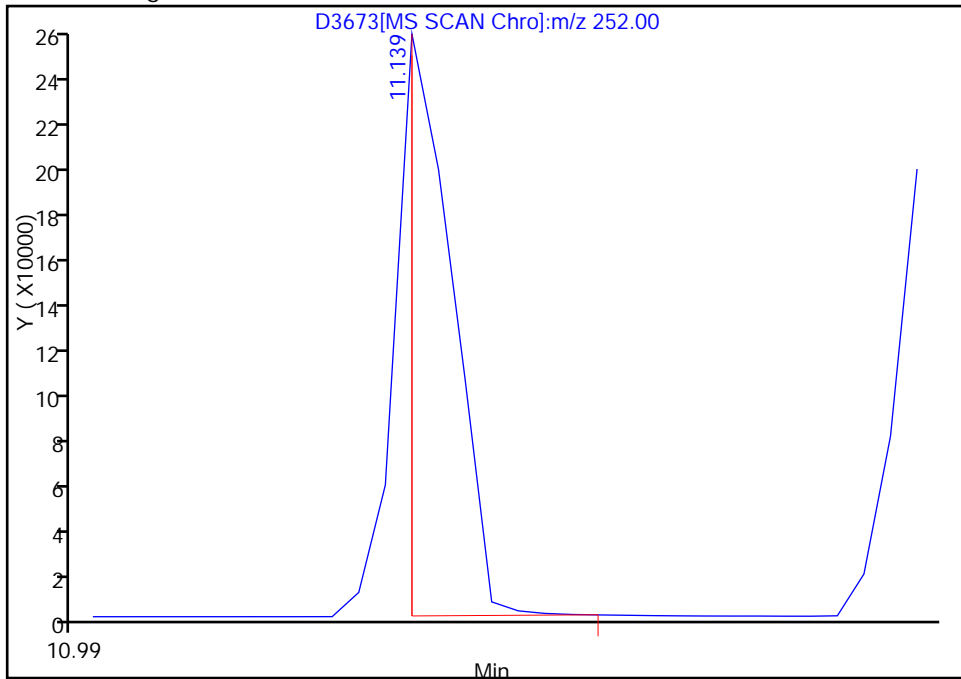
RT: 11.14  
Response: 449679  
Amount: 80.112407

Processing Integration Results



RT: 11.14  
Response: 400010  
Amount: 82.351416

Manual Integration Results



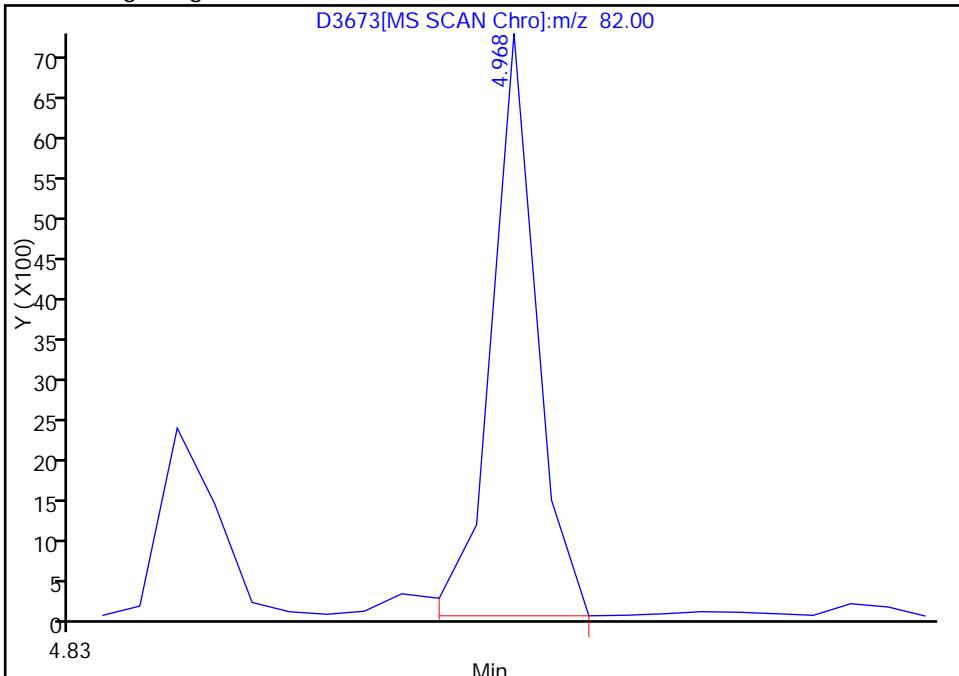
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

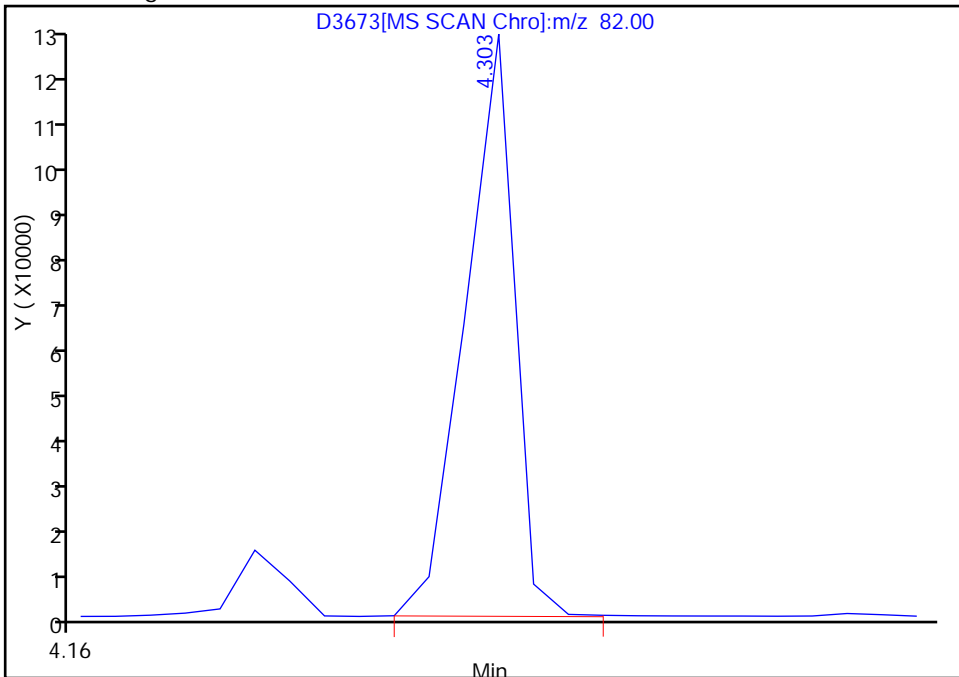
RT: 4.97  
Response: 7002  
Amount: 3.700287

Processing Integration Results



RT: 4.30  
Response: 146336  
Amount: 69.353711

Manual Integration Results



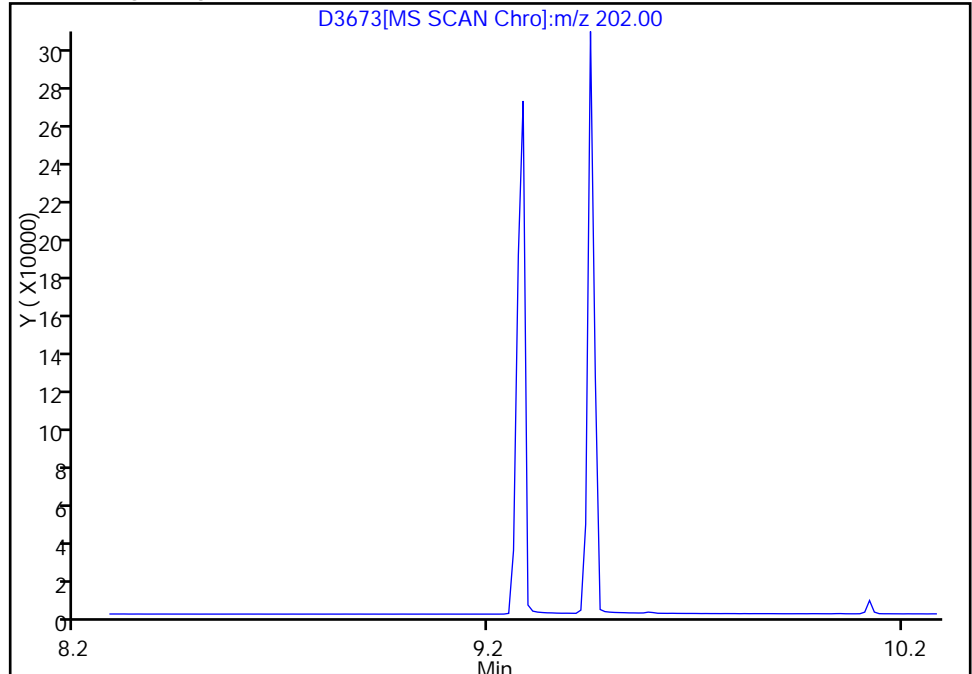
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.28

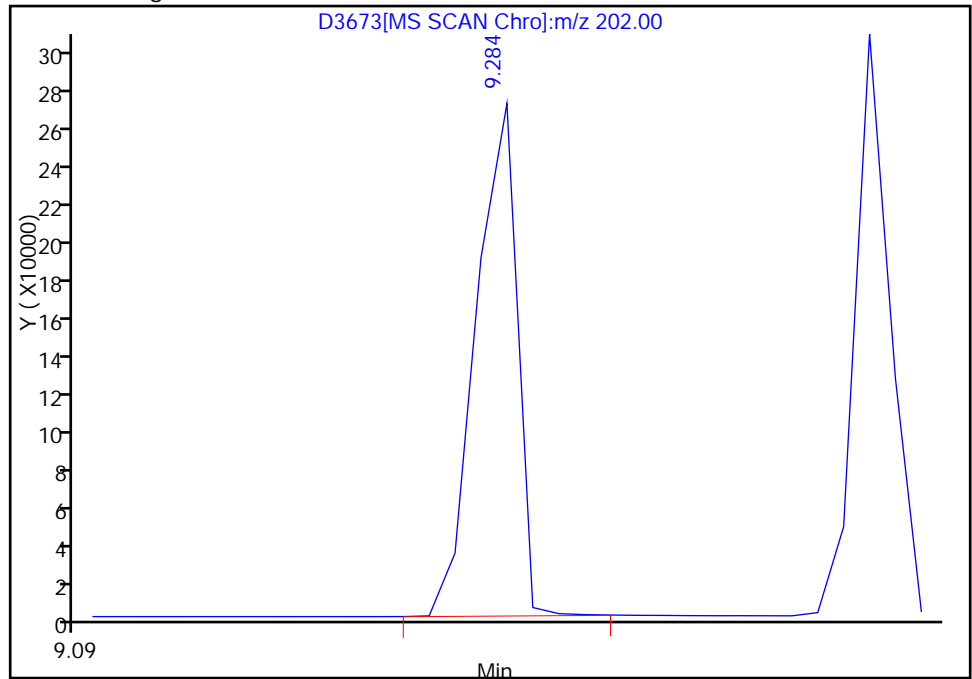
Not Detected  
Expected RT: 9.28

Processing Integration Results



RT: 9.28  
Response: 350407  
Amount: 62.777707

Manual Integration Results



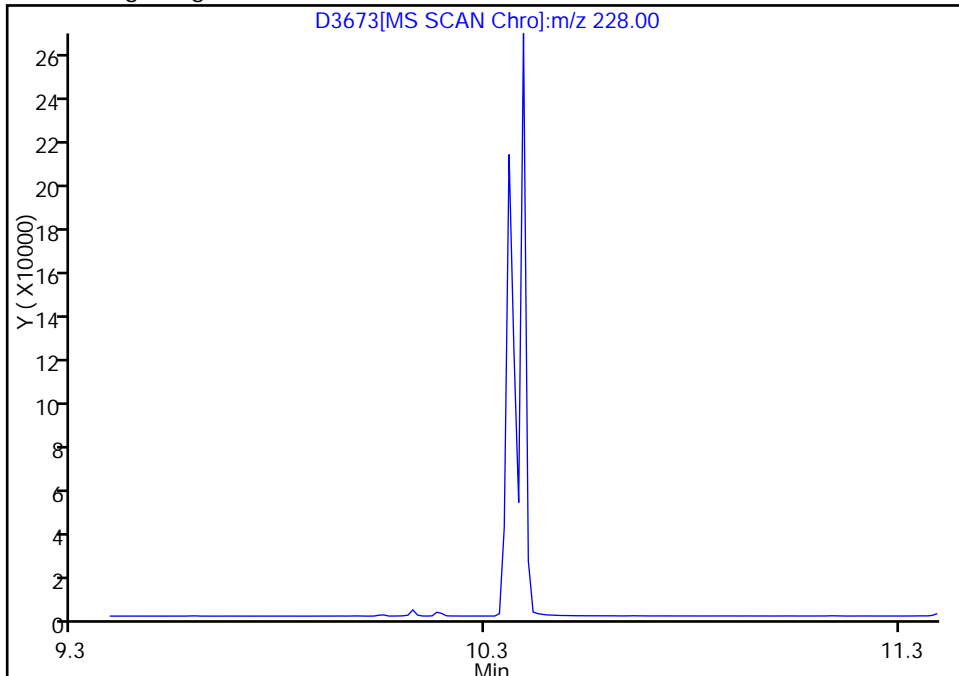
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

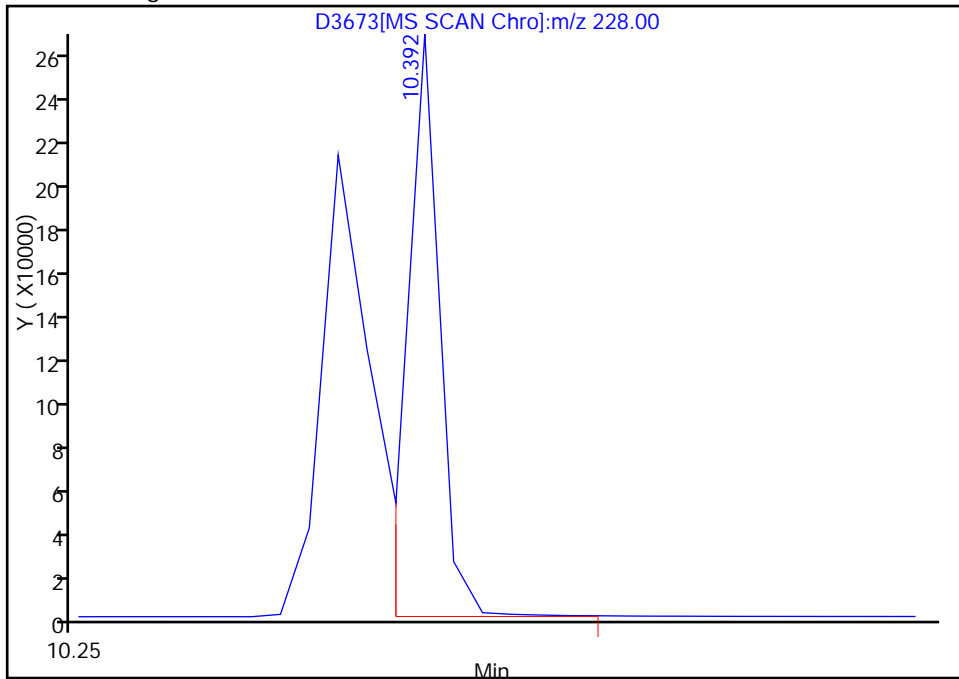
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 245811  
Amount: 66.586679



Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

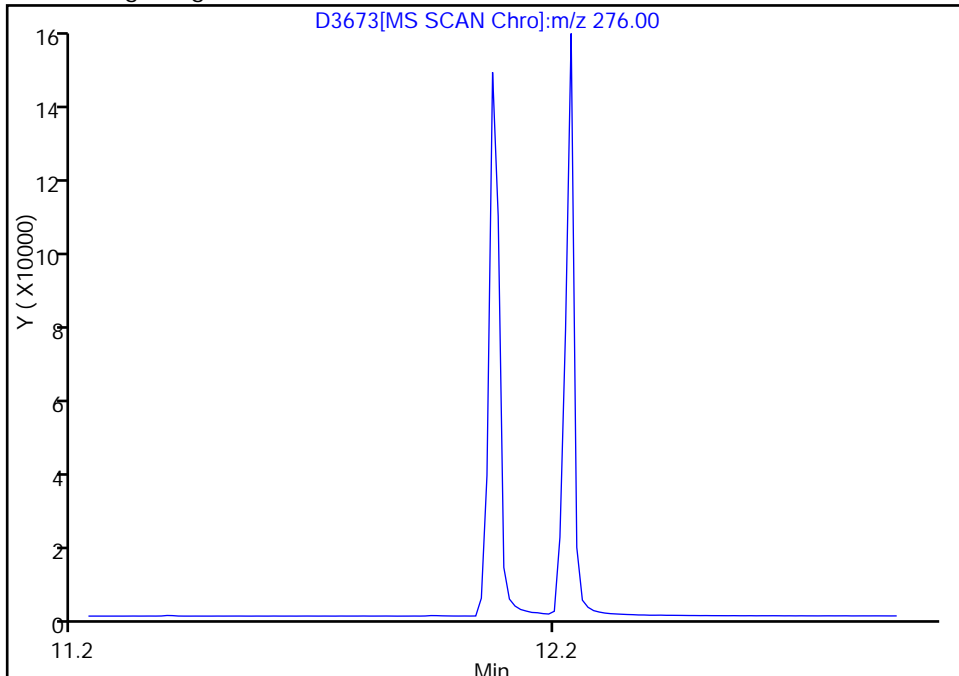


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

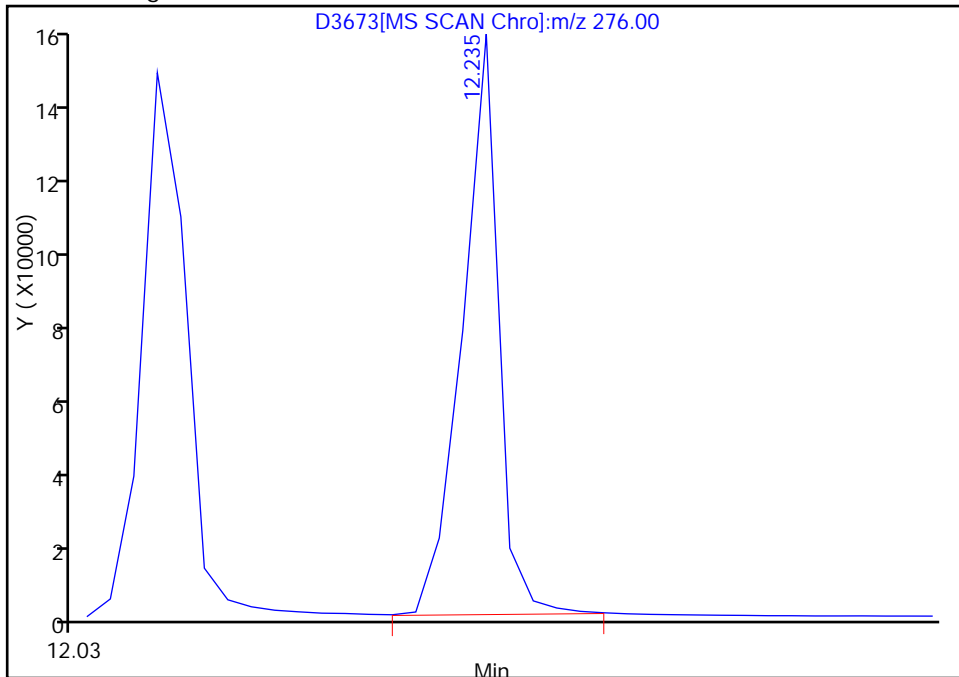
24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.24

Not Detected  
Expected RT: 12.24

Processing Integration Results



Manual Integration Results



RT: 12.24  
Response: 193257  
Amount: 67.944443

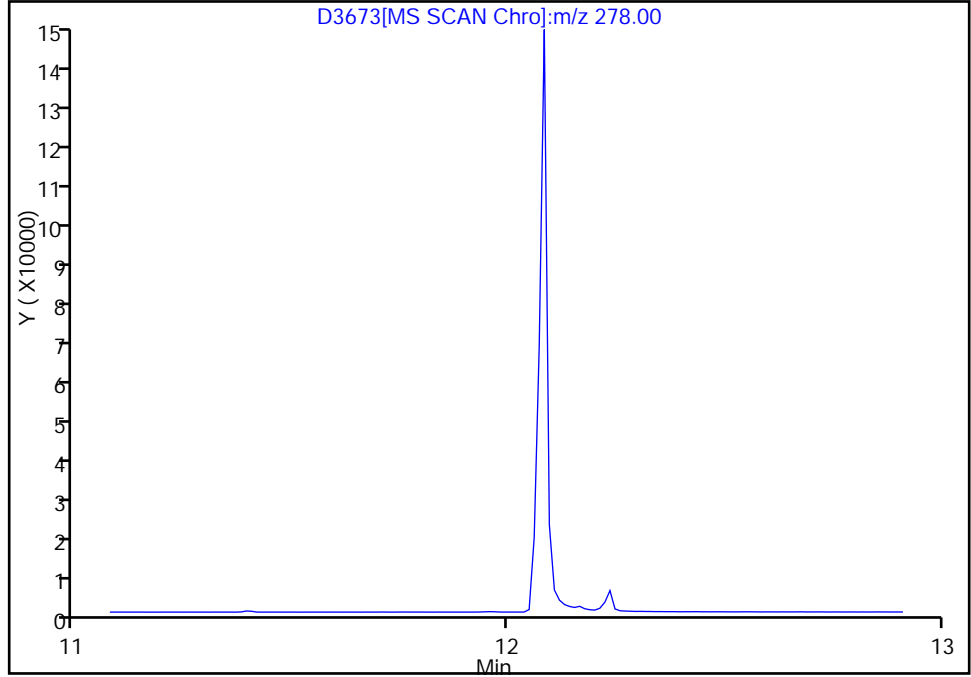
Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
Injection Date: 29-Jan-2012 13:20:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 9  
Operator ID: WDS Injection Vol: 1.00 ul

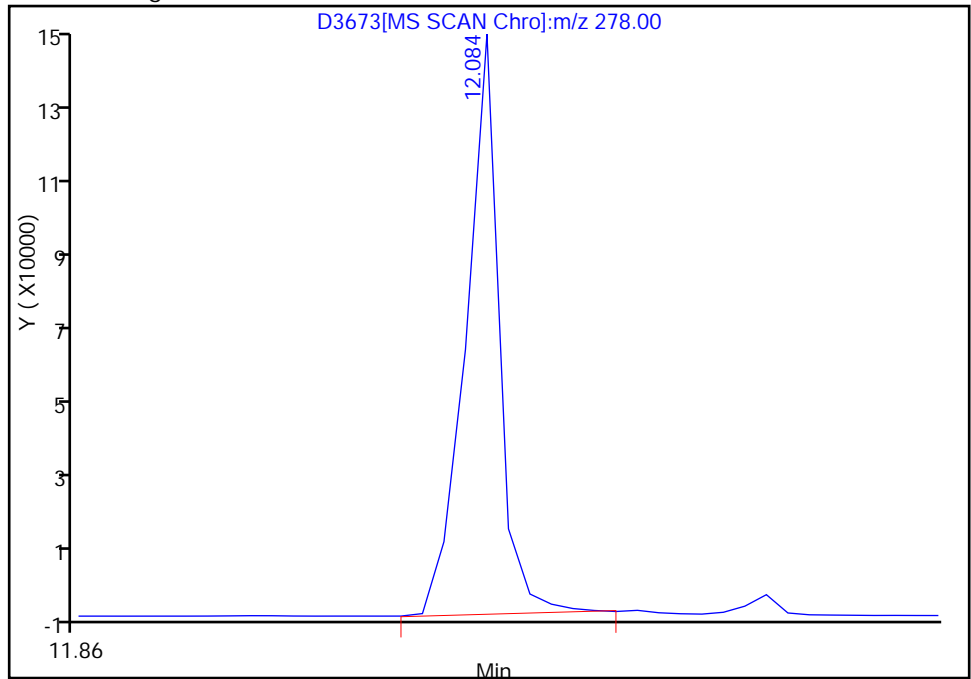
111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.08

Not Detected  
Expected RT: 12.08

Processing Integration Results



Manual Integration Results



RT: 12.08  
Response: 184471  
Amount: 68.832941

Reviewer: squiresb, 29-Jan-2012 20:09:36  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3665.D  
 Lims ID: dftpp Client ID:  
 Inject. Date: 29-Jan-2012 10:57:30 Dil. Factor: 1.0000  
 Sample Type: DFTPP  
 Sample ID: DFTPP  
 Misc. Info.: 510-0006247-001 =510-0006247-001  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 1  
 Lims Batch ID: 93035 Lims Sample ID: 1  
 Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 11:28:09 Calib Date: 29-Jan-2012 11:11:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3666.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 11:28:09

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	4.696	4.696	0.000	0	30601		-1.0- -1.0		
23 4,4'-DDT									
235	6.464	6.464	0.000	0	65125	0	70.0- 130.0	100.0	M
237	0.0	6.464	-6.464		0		0.0- 30.0		
165	0.0	6.464	-6.464		0		0.0- 30.0		
16 4,4'-DDD									
235	6.181	6.181	0.000	0	365	0	70.0- 130.0	100.0	M
237	0.0	6.181	-6.181		0		0.0- 30.0		
165	0.0	6.181	-6.181		0		0.0- 30.0		

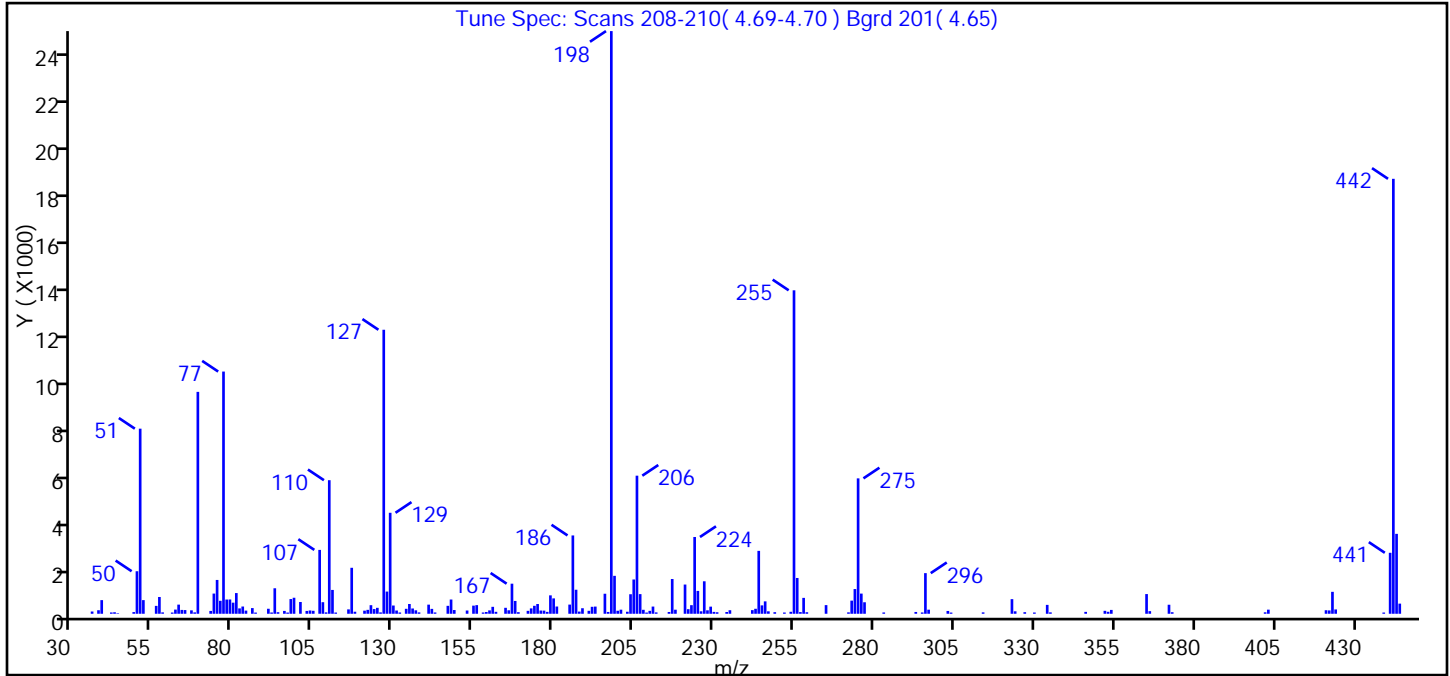
QC Flag Legend

Review Flags

M - Manually Integrated

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3665.D  
 Injection Date: 29-Jan-2012 10:57:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Client ID: Instrument ID: SMSA  
 Lims Batch ID: 93035 Lims Sample ID: 1  
 Operator ID: WDS Injection Vol: 1.00 ul  
 Tune Method: DFTPP Method 8270

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.77
68	Less than 2.00% of mass 69	0.24 ( 0.63)
69	Present	38.08
70	Less than 2.00% of mass 69	0.00 ( 0.00)
127	40.00 - 60.00% of mass 198	48.74
197	Less than 1.00% of mass 198	0.31
199	5.00 - 9.00% of mass 198	6.51
275	10.00 - 30.00% of mass 198	23.24
365	Greater than 1.00% of mass 198	3.38
441	Present, but less than mass 443%	10.46 ( 76.30)
442	Greater than 40.00% of mass 198	74.65
443	17.00 - 23.00% of mass 442	13.72 ( 18.37)

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3665.D\SIM-PNA.rslt\spectra.d  
Injection Date: 29-Jan-2012 10:57:30  
Spectrum: Tune Spec: Scans 208-210( 4.69-4.70 ) Bgrd 201( 4.65)  
Base Peak: 198.00  
Minimum % Base Peak: 0  
Number of Points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	95	109.00	59	178.00	80	247.00	103
38.00	149	110.00	5621	179.00	775	249.00	67
39.00	574	111.00	1003	180.00	647	252.00	53
42.00	55	112.00	52	181.00	305	254.00	83
43.00	64	116.00	185	185.00	386	255.00	13612
44.00	22	117.00	1935	186.00	3296	256.00	1506
49.00	71	118.00	86	187.00	1011	257.00	71
50.00	1790	121.00	131	188.00	92	258.00	669
51.00	7789	122.00	165	189.00	233	259.00	65
52.00	574	123.00	361	191.00	124	265.00	364
56.00	332	124.00	198	192.00	293	272.00	60
57.00	706	125.00	250	193.00	302	273.00	553
58.00	59	126.00	58	196.00	843	274.00	1040
61.00	52	127.00	11952	197.00	76	275.00	5698
62.00	176	128.00	934	198.00	24520	276.00	849
63.00	385	129.00	4250	199.00	1596	277.00	484
64.00	162	130.00	347	200.00	126	283.00	55
65.00	156	131.00	136	201.00	172	293.00	76
67.00	144	132.00	54	203.00	85	295.00	55
68.00	59	134.00	209	204.00	822	296.00	1710
69.00	9338	135.00	411	205.00	1443	297.00	172
73.00	119	136.00	222	206.00	5811	303.00	118
74.00	850	137.00	145	207.00	827	304.00	51
75.00	1423	138.00	58	208.00	167	314.00	59
76.00	546	141.00	384	209.00	51	323.00	615
77.00	10193	142.00	206	210.00	123	324.00	104
78.00	599	143.00	55	211.00	303	327.00	67
79.00	601	147.00	334	212.00	58	330.00	53
80.00	467	148.00	600	216.00	75	334.00	374
81.00	871	149.00	157	217.00	1462	335.00	59
82.00	226	153.00	137	218.00	171	346.00	80
83.00	305	155.00	342	221.00	1230	352.00	124
84.00	133	156.00	363	222.00	193	353.00	83

Report Date: 29-Jan-2012 11:28:09

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\MSA\20120129-6247.b\D3665.D\SIM-PNA.rslt\spectra.d

Injection Date: 29-Jan-2012 10:57:30

Spectrum: Tune Spec: Scans 208-210( 4.69-4.70 ) Bgrd 201( 4.65)

Base Peak: 198.00

Minimum % Base Peak: 0

Number of Points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
86.00	239	158.00	54	223.00	362	354.00	162
87.00	51	159.00	74	224.00	3231	365.00	829
91.00	211	160.00	142	225.00	962	366.00	110
92.00	54	161.00	292	226.00	104	372.00	380
93.00	1073	162.00	82	227.00	1367	373.00	65
94.00	66	165.00	251	228.00	145	402.00	62
96.00	120	166.00	147	229.00	300	403.00	173
97.00	51	167.00	1266	230.00	79	421.00	149
98.00	619	168.00	539	231.00	64	422.00	141
99.00	674	169.00	67	234.00	74	423.00	923
101.00	495	172.00	123	235.00	149	424.00	182
103.00	119	173.00	226	242.00	153	439.00	52
104.00	138	174.00	335	243.00	210	441.00	2566
105.00	125	175.00	410	244.00	2647	442.00	18304
107.00	2688	176.00	136	245.00	353	443.00	3363
108.00	487	177.00	133	246.00	522	444.00	427

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 510-92897/1-A  
 Matrix: Solid Lab File ID: D3678.D  
 Analysis Method: 8270C SIM Date Collected: \_\_\_\_\_  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30(g) Date Analyzed: 01/29/2012 14:52  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.020		0.020	0.0025
208-96-8	Acenaphthylene	<0.020		0.020	0.0031
120-12-7	Anthracene	<0.020		0.020	0.0032
56-55-3	Benzo[a]anthracene	<0.020		0.020	0.0021
50-32-8	Benzo[a]pyrene	<0.020		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	<0.020		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	<0.020		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	<0.020		0.020	0.0021
218-01-9	Chrysene	<0.020		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	<0.020		0.020	0.0027
206-44-0	Fluoranthene	<0.020		0.020	0.0040
86-73-7	Fluorene	<0.020		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	<0.020		0.020	0.0022
91-20-3	Naphthalene	<0.020		0.020	0.0033
85-01-8	Phenanthrene	<0.020		0.020	0.0031
129-00-0	Pyrene	<0.020		0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	62		10-117
321-60-8	2-Fluorobiphenyl	58		16-110
1718-51-0	Terphenyl-d14	85		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3678.D  
 Lims ID: MB 510-92897/1-A Client ID:  
 Inject. Date: 29-Jan-2012 14:52:30 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: MB 92897  
 Misc. Info.: 510-0006247-014 =510-0006247-014  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 14  
 Lims Batch ID: 93035 Lims Sample ID: 14  
 Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:15:02

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	113556	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		55552		20.2- 80.2	48.9
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	0	78205	30.8	70.0- 130.0	100.0 M
	128	0.0	4.303	-4.303		0		239.5- 299.5	M
	54	0.0	4.303	-4.303		0		17.0- 77.0	
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	276526	40.0	70.0- 130.0	100.0
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	168624	29.1		
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	154357	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		137737		59.3- 119.3	89.2
* 90 Phenanthrene-d10									
	188	8.258	8.258	0.000	1	228970	40.0	70.0- 130.0	100.0
\$ 98 Terphenyl-d14									
	244	9.587	9.587	0.000	1	129318	42.7	70.0- 130.0	100.0
* 103 Chrysene-d12									
	240	10.369	10.369	0.000	1	133388	40.0	70.0- 130.0	100.0
* 109 Perylene-d12									
	264	11.395	11.395	0.000	1	101108	40.0	70.0- 130.0	100.0

QC Flag Legend

Review Flags

M - Manually Integrated



Report Date: 29-Jan-2012 20:15:02

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3678.D

Injection Date: 29-Jan-2012 14:52:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

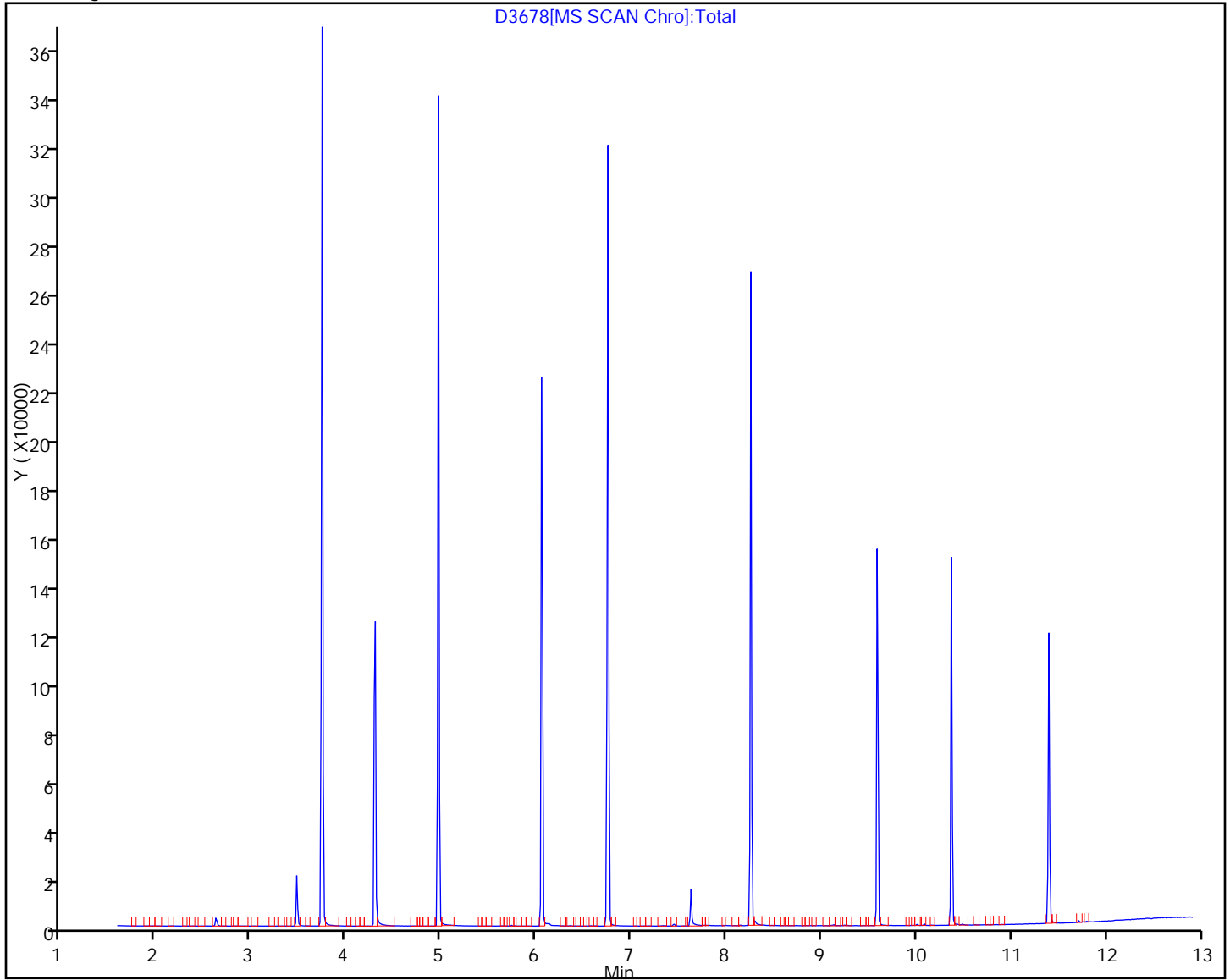
Lims Batch ID: 93035

Lims Sample ID: 14

Operator ID: WDS

Injection Vol: 1.00 ul

Y Scaling:

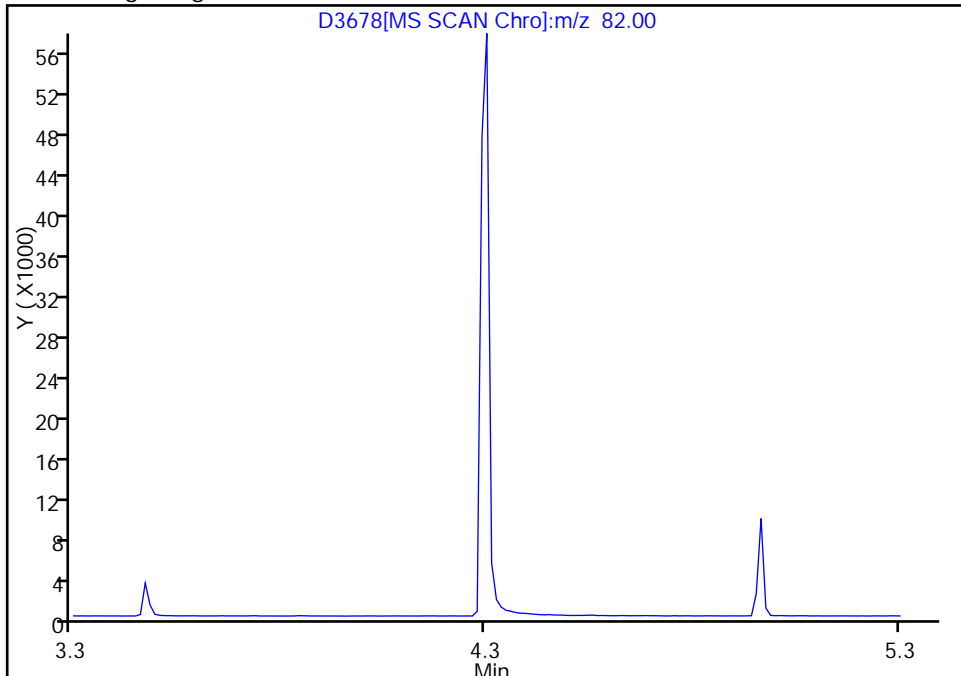


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3678.D  
Injection Date: 29-Jan-2012 14:52:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 14  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

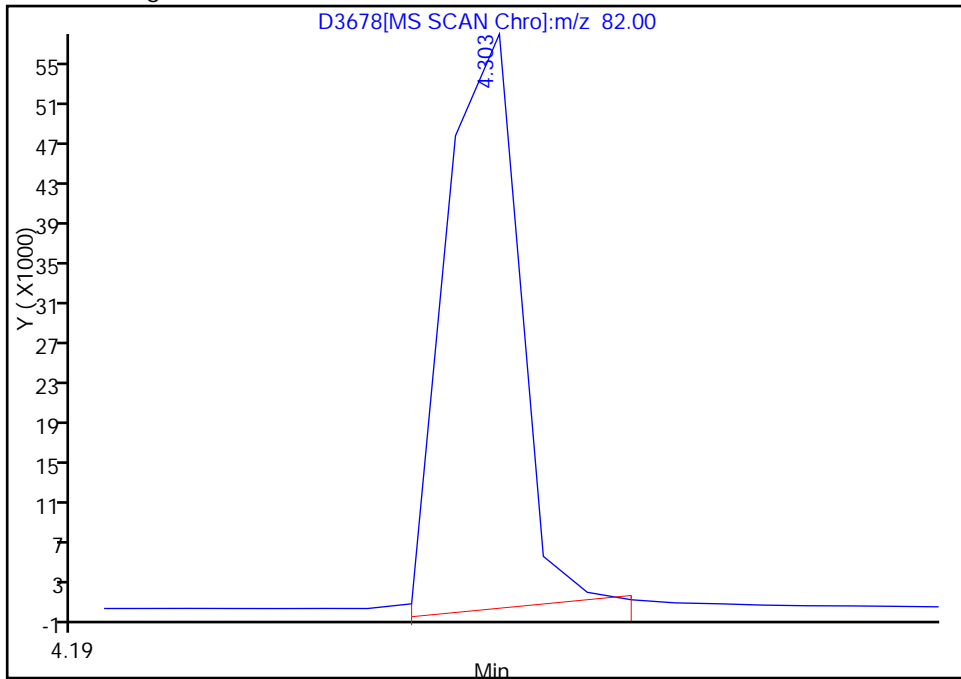
Not Detected  
Expected RT: 4.30

Processing Integration Results



Manual Integration Results

RT: 4.30  
Response: 78205  
Amount: 30.840300



Reviewer: squiresb, 29-Jan-2012 20:15:02  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 510-92897/2-A  
 Matrix: Solid Lab File ID: D3679.D  
 Analysis Method: 8270C SIM Date Collected: \_\_\_\_\_  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30(g) Date Analyzed: 01/29/2012 15:10  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: \_\_\_\_\_ GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.24		0.020	0.0025
208-96-8	Acenaphthylene	1.05		0.020	0.0031
120-12-7	Anthracene	1.33		0.020	0.0032
56-55-3	Benzo[a]anthracene	1.35		0.020	0.0021
50-32-8	Benzo[a]pyrene	1.40		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	1.66		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	1.50		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	1.23		0.020	0.0021
218-01-9	Chrysene	1.41		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	1.41		0.020	0.0027
206-44-0	Fluoranthene	1.21		0.020	0.0040
86-73-7	Fluorene	1.21		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	1.43		0.020	0.0022
91-20-3	Naphthalene	1.13		0.020	0.0033
85-01-8	Phenanthrene	1.35		0.020	0.0031
129-00-0	Pyrene	1.36		0.020	0.0037

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	73		10-117
321-60-8	2-Fluorobiphenyl	63		16-110
1718-51-0	Terphenyl-d14	89		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
 Lims ID: LCS 510-92897/2-A Client ID:  
 Inject. Date: 29-Jan-2012 15:10:30 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: LCS 92897  
 Misc. Info.: 510-0006247-015 =510-0006247-015  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 15  
 Lims Batch ID: 93035 Lims Sample ID: 15  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:17:21

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	138495	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		70371		20.2- 80.2	50.8
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	125535	36.7	70.0- 130.0	100.0 M
	128	4.991	4.303	0.688		337257		239.5- 299.5	268.7 M
	54	4.968	4.303	0.665		35852		17.0- 77.0	28.6
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	372972	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.991	4.991	0.000	0	339002	34.0	70.0- 130.0	100.0 M
	129	0.0	4.991	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	252550	36.3	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.065	6.053	0.012	1	252125	31.6		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	331655	31.6	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	212422	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		189498		59.3- 119.3	89.2
74 Acenaphthene									
	153	6.788	6.788	0.000	1	207099	37.1	70.0- 130.0	100.0
	152	6.788	6.788	0.000		97697		16.5- 76.5	47.2
	154	6.788	6.788	0.000		210147		68.8- 128.8	101.5

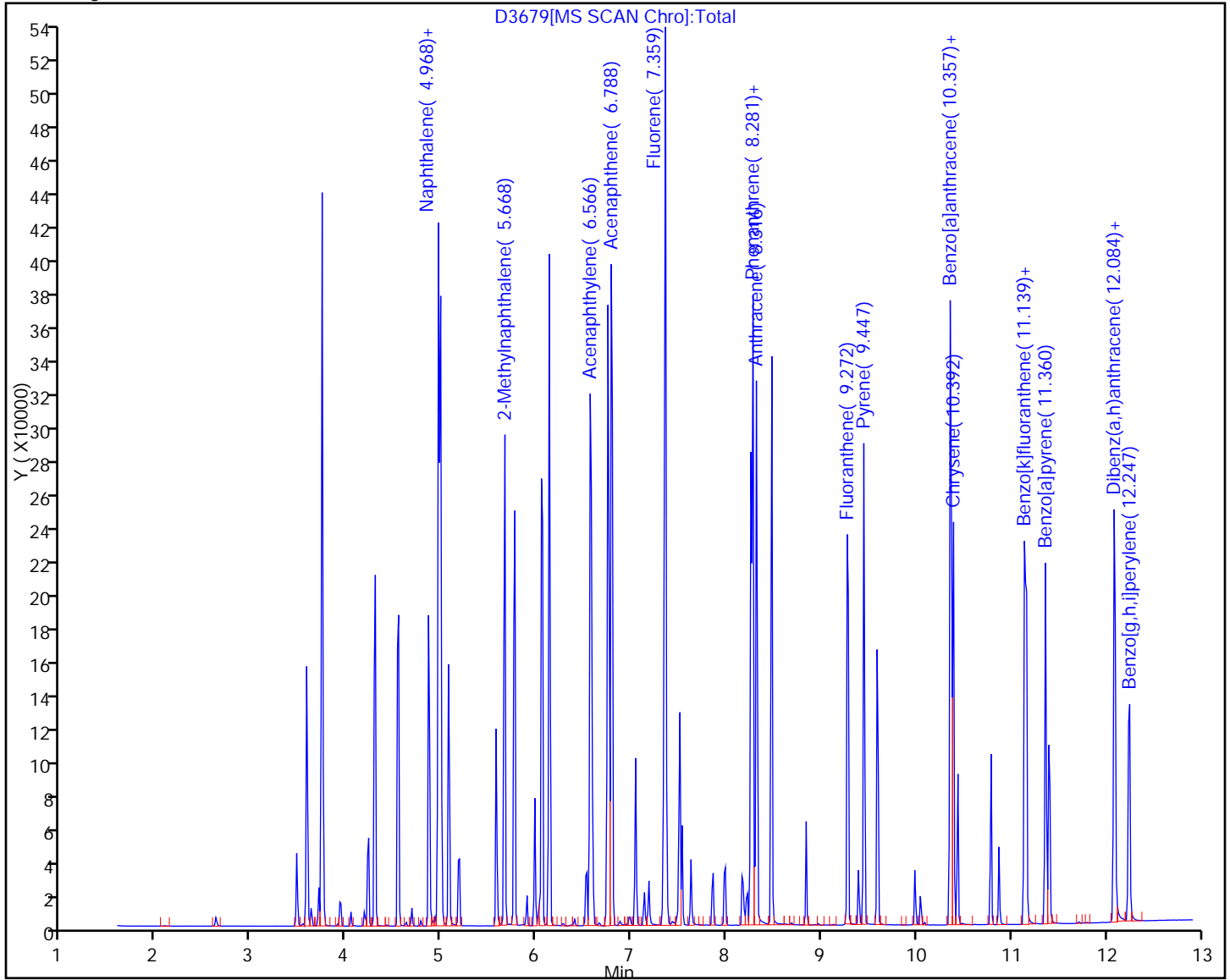
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	7.359	7.359	0.000	20	260923	36.4	70.0- 130.0	100.0	
165	7.359	7.359	0.000		226584		57.6- 117.6	86.8	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	279823	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	313400	40.4	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	301709	39.9	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.272	9.272	0.000	0	296182	36.2	70.0- 130.0	100.0	M
101	0.0	9.272	-9.272		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	276049	40.8	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	151260	44.5	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	230784	40.6	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	149811	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	200404	42.4	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	249926	49.9	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		94545		5.7- 65.7	37.8	
107 Benzo[k]fluoranthene									
252	11.150	11.150	0.000	1	231768	37.0	70.0- 130.0	100.0	M
253	11.139	11.150	-0.011		94545		7.6- 67.6	40.8	M
108 Benzo[a]pyrene									
252	11.360	11.349	0.011	1	181785	42.0	70.0- 130.0	100.0	
253	11.360	11.349	0.011		44761		0.0- 53.3	24.6	
* 109 Perylene-d12									
264	11.395	11.395	0.000	1	122163	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.012	0	186630	42.8	70.0- 130.0	100.0	M
138	0.0	12.084	-12.072		0		0.0- 50.5		M
111 Dibenz(a,h)anthracene									
278	12.095	12.095	0.023	0	149086	42.2	70.0- 130.0	100.0	M
139	0.0	12.095	-12.072		0		0.0- 38.7		M
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.023	0	169128	45.1	70.0- 130.0	100.0	M
138	0.0	12.247	-12.224		0		0.0- 43.1		M

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:

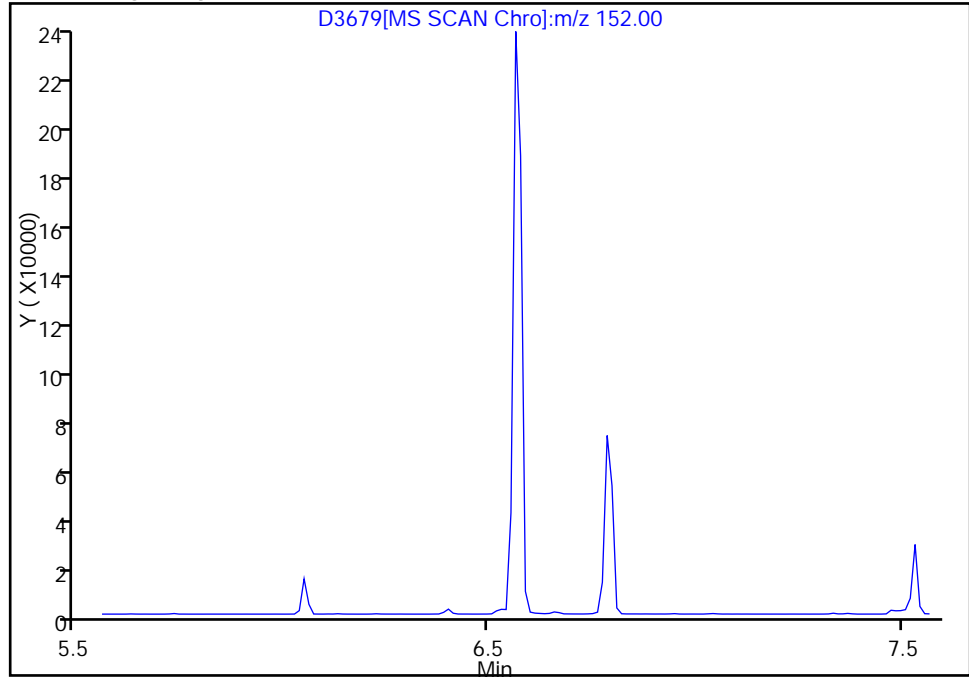


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

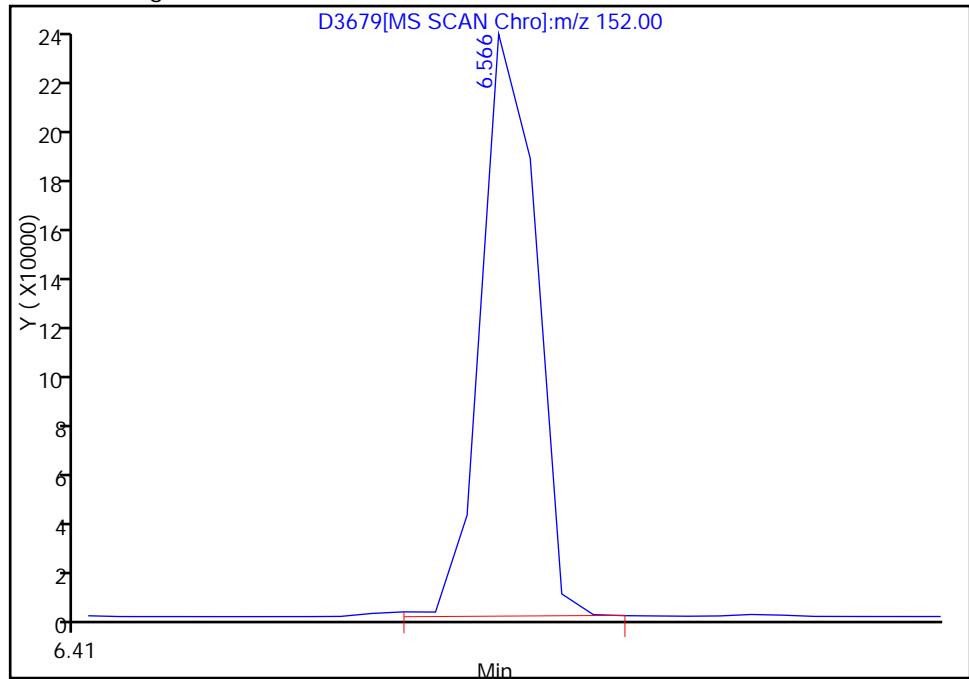
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 331655  
Amount: 31.636382



Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

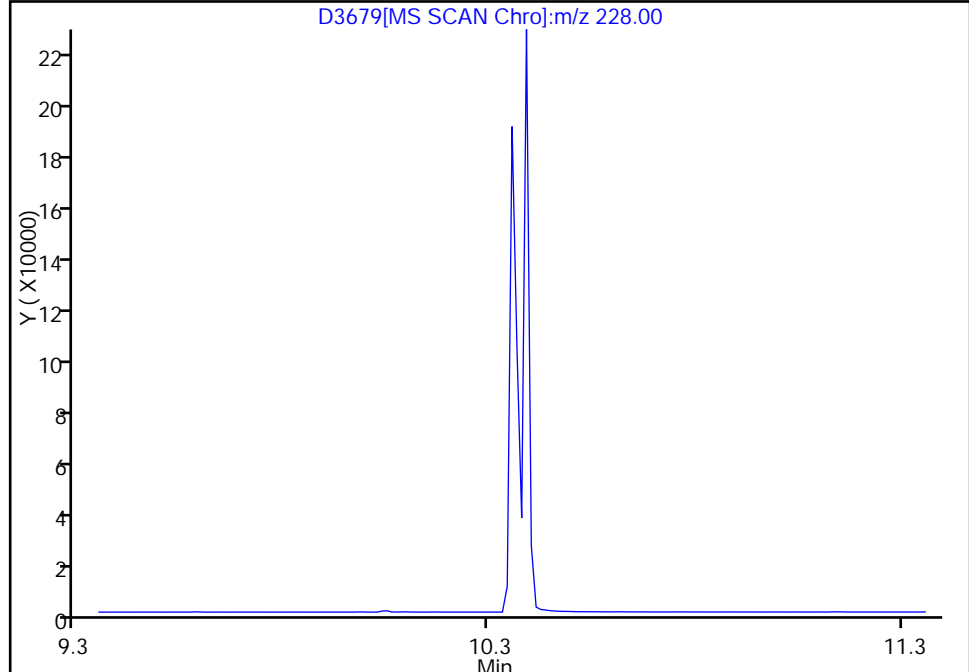


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

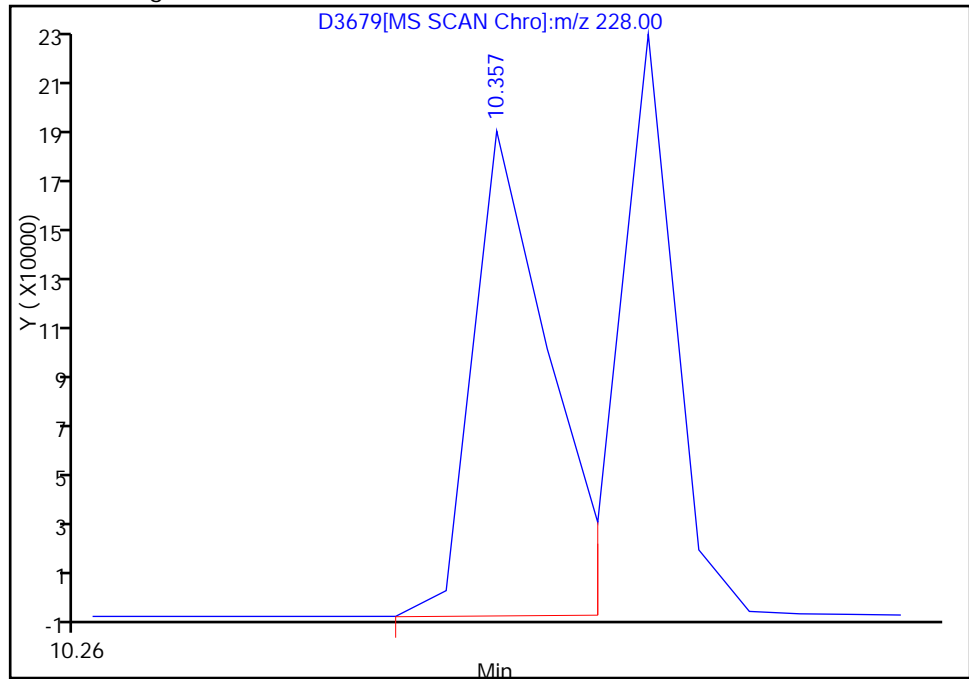
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 230784  
Amount: 40.607300



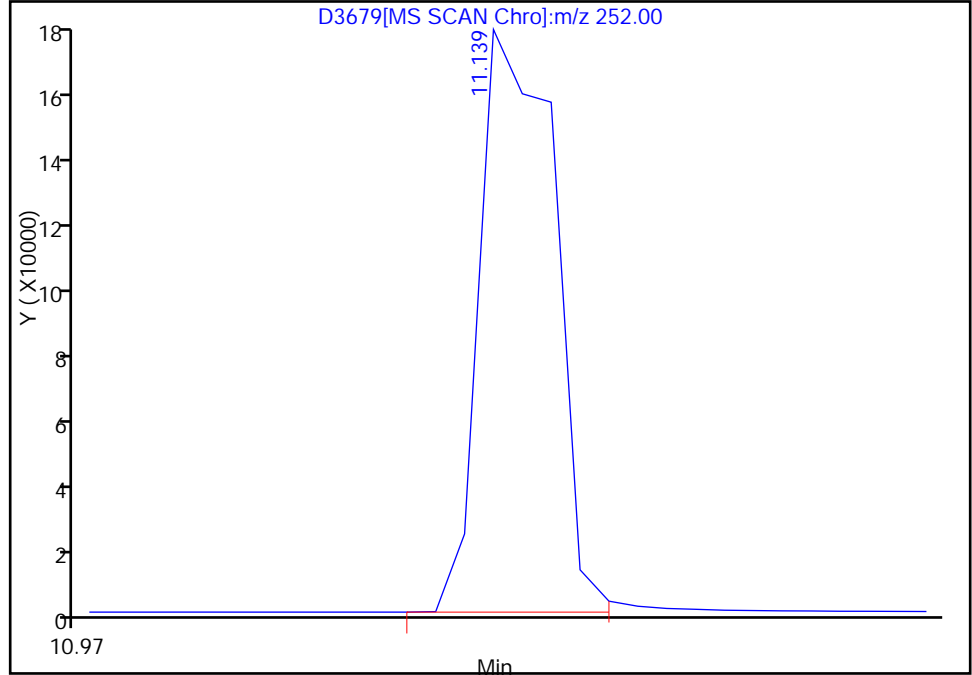
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

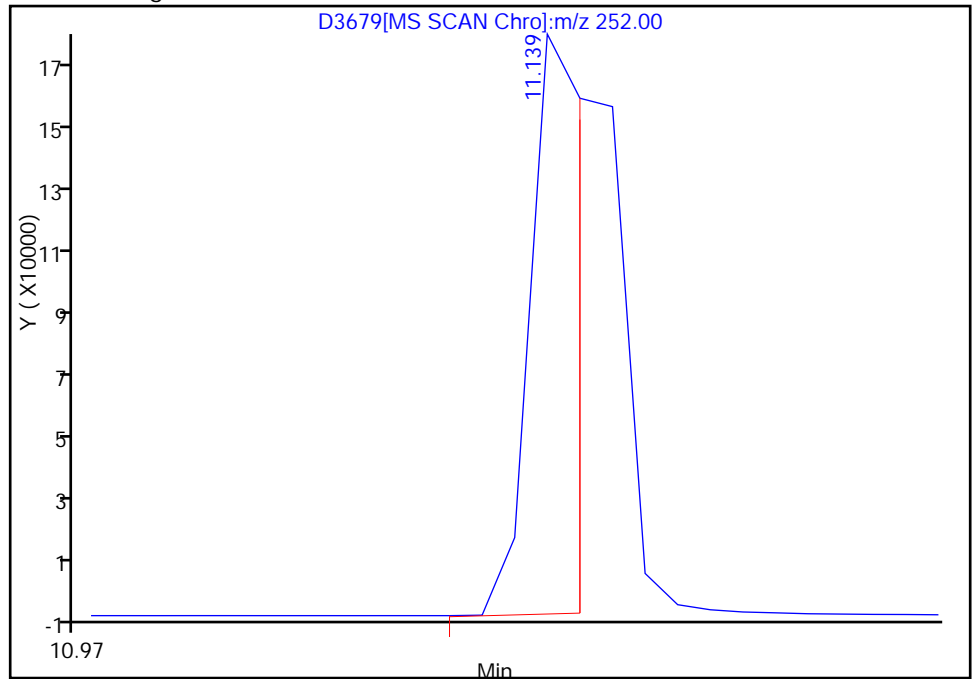
RT: 11.14  
Response: 370394  
Amount: NaN

Processing Integration Results



RT: 11.14  
Response: 249926  
Amount: 49.862323

Manual Integration Results



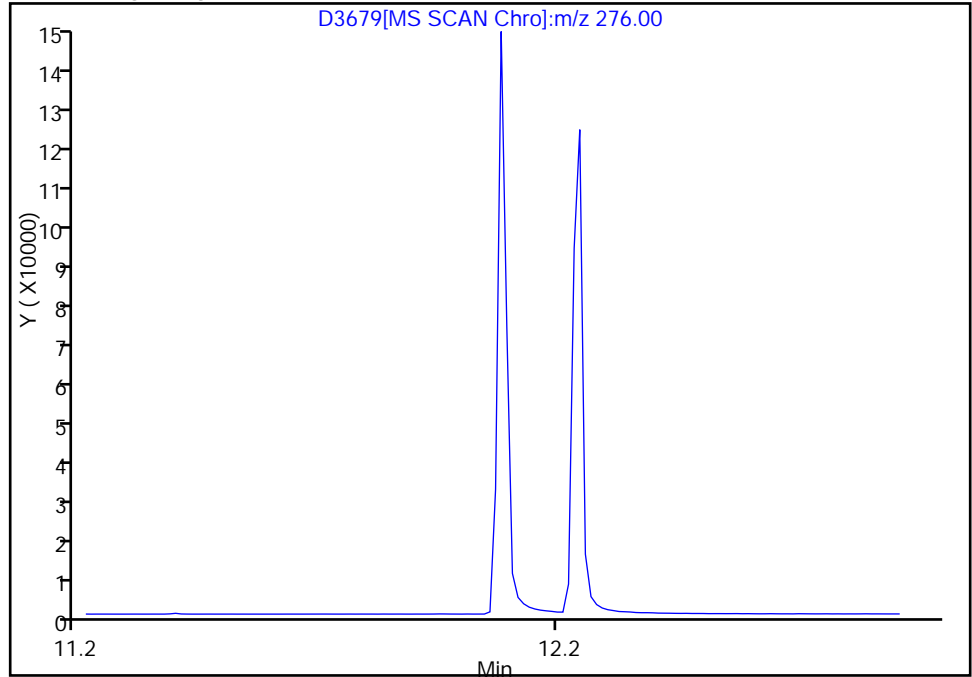
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.22

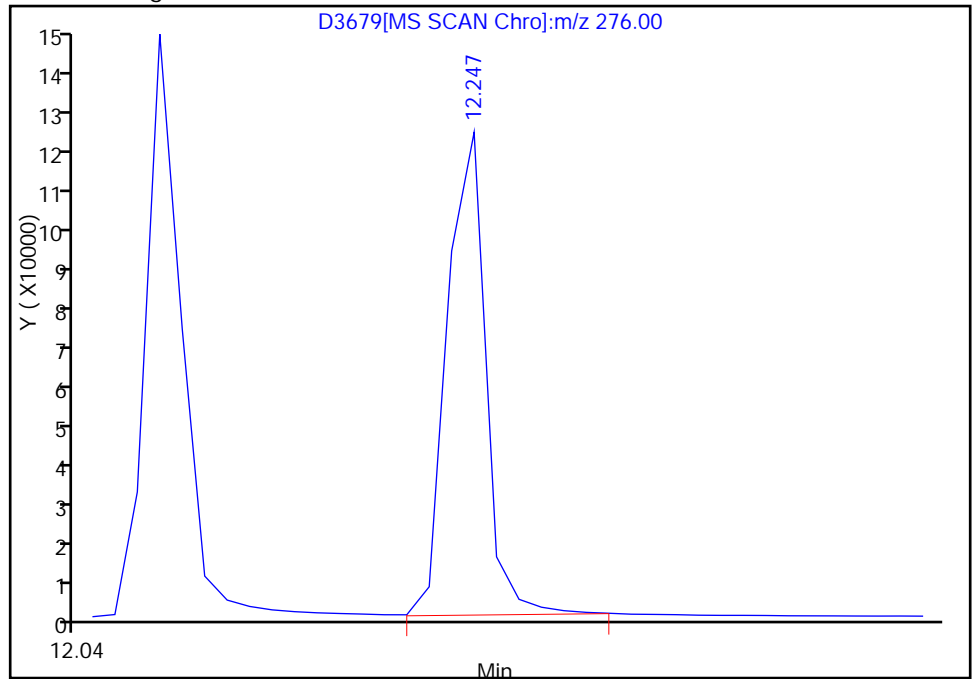
Not Detected  
Expected RT: 12.22

Processing Integration Results



Manual Integration Results

RT: 12.25  
Response: 169128  
Amount: 45.053368



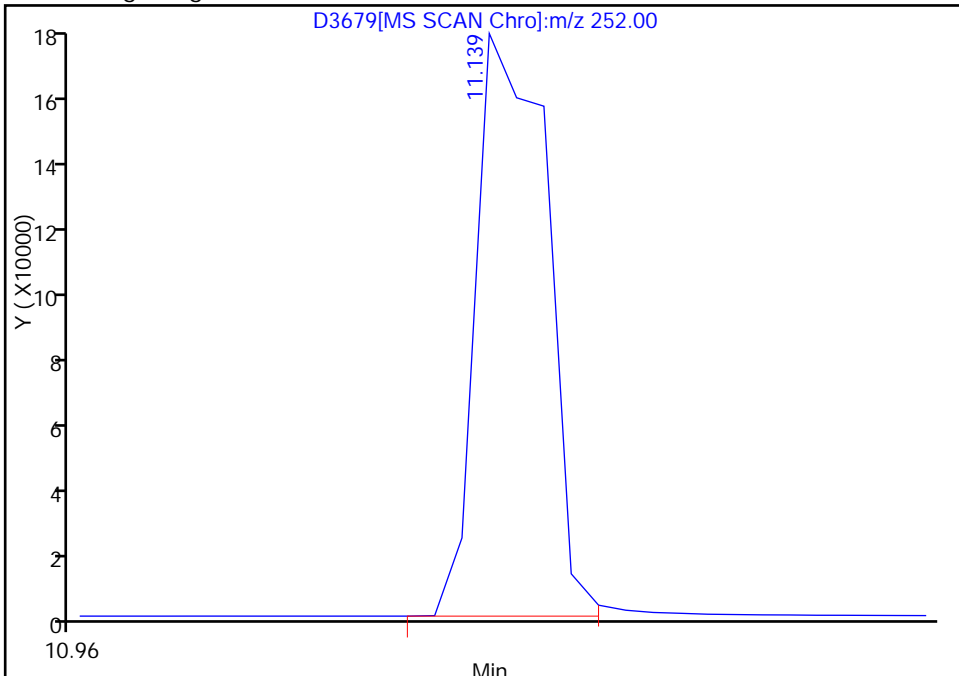
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

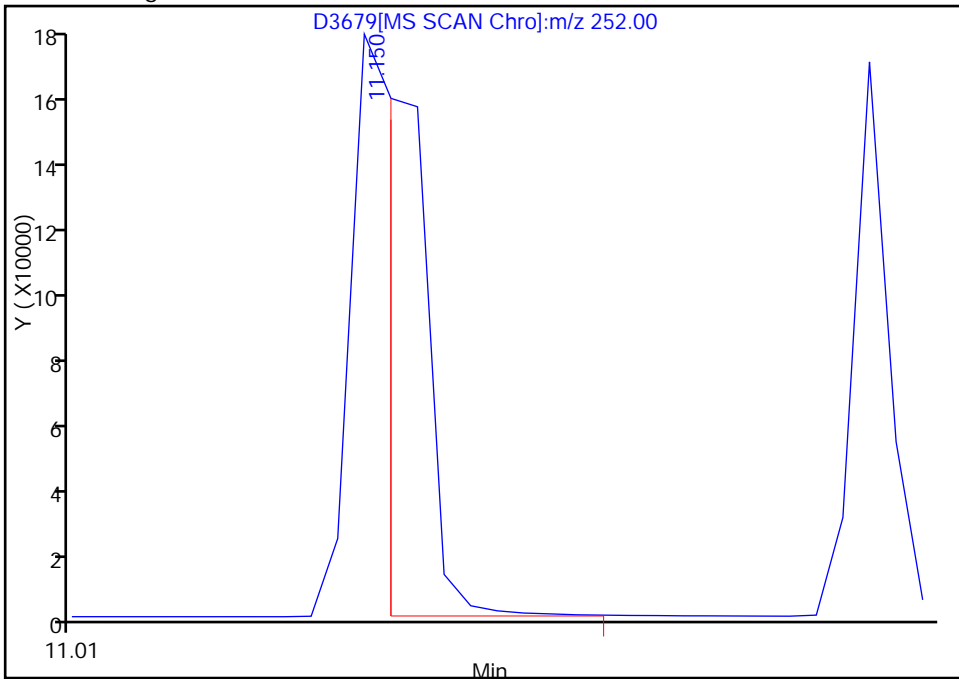
RT: 11.14  
Response: 370394  
Amount: 58.249215

Processing Integration Results



RT: 11.15  
Response: 231768  
Amount: 37.040388

Manual Integration Results



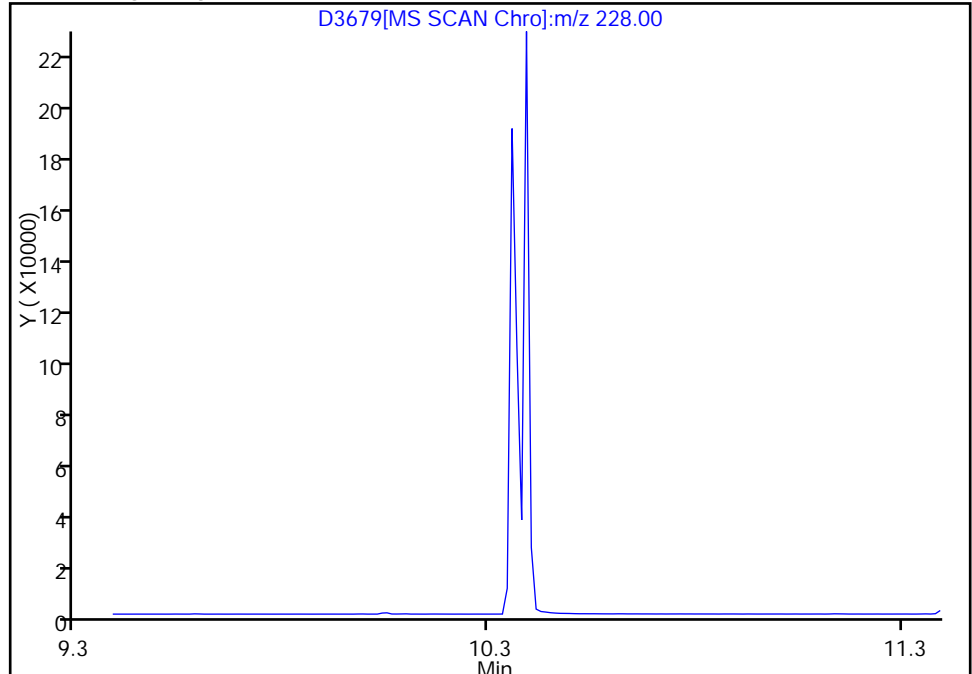
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

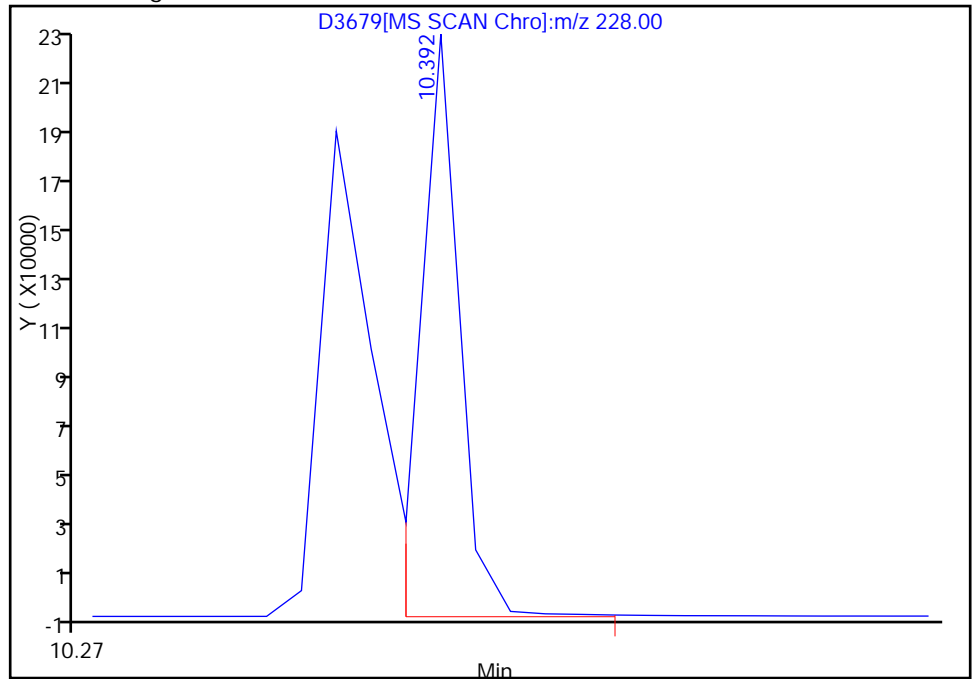
104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results



RT: 10.39  
Response: 200404  
Amount: 42.435720

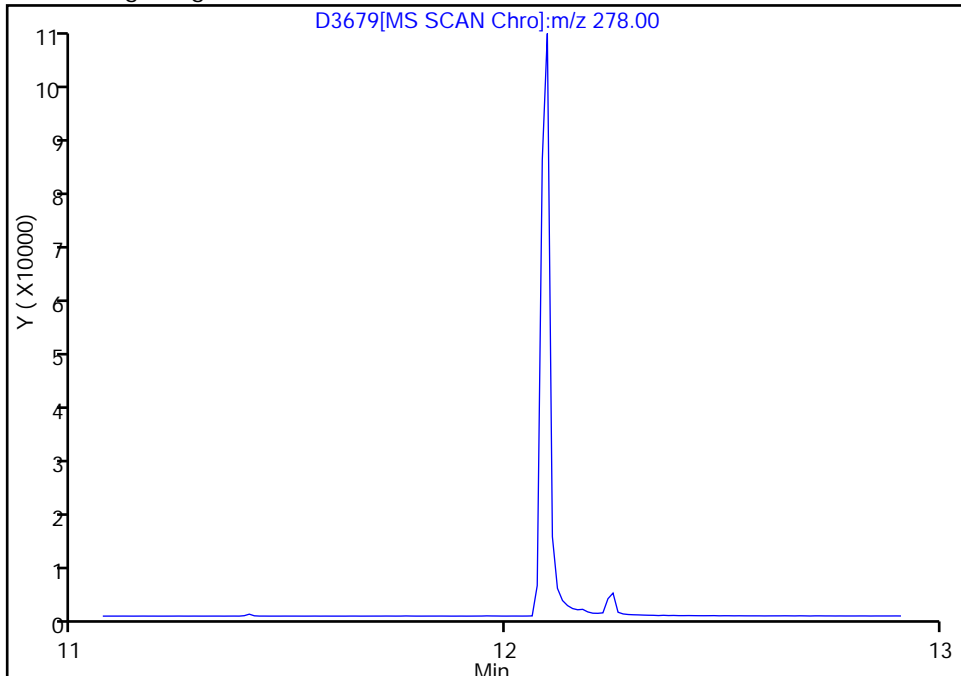
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.07

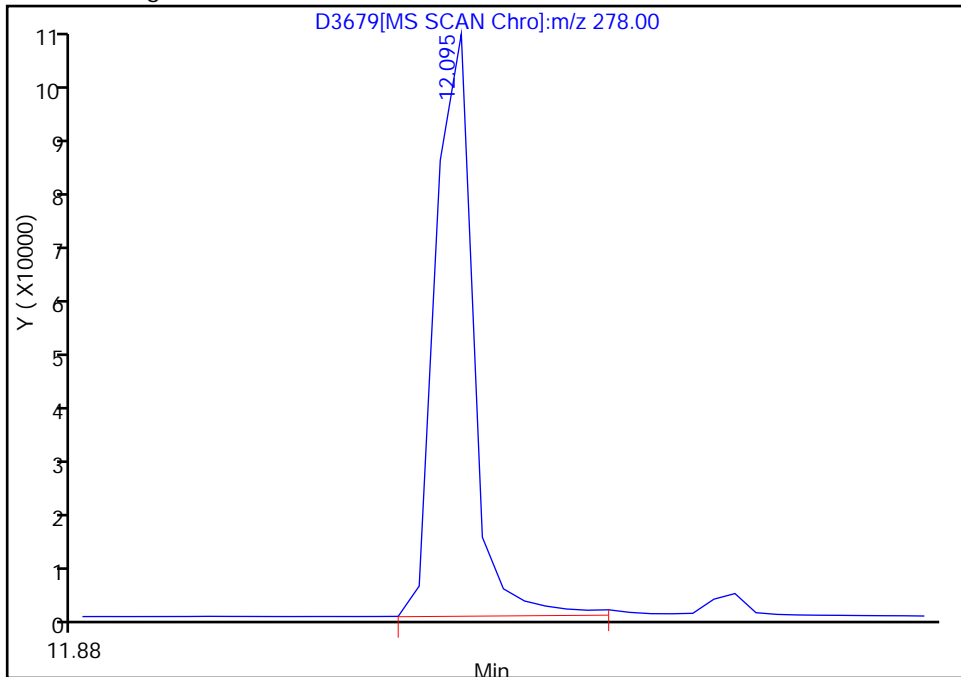
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.10  
Response: 149086  
Amount: 42.150053



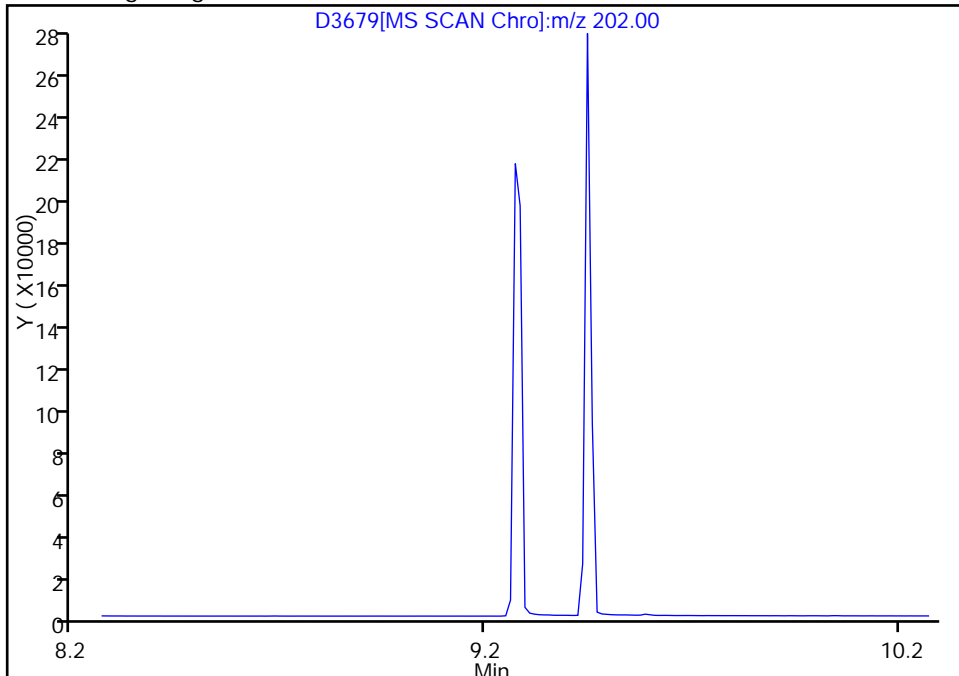
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.27

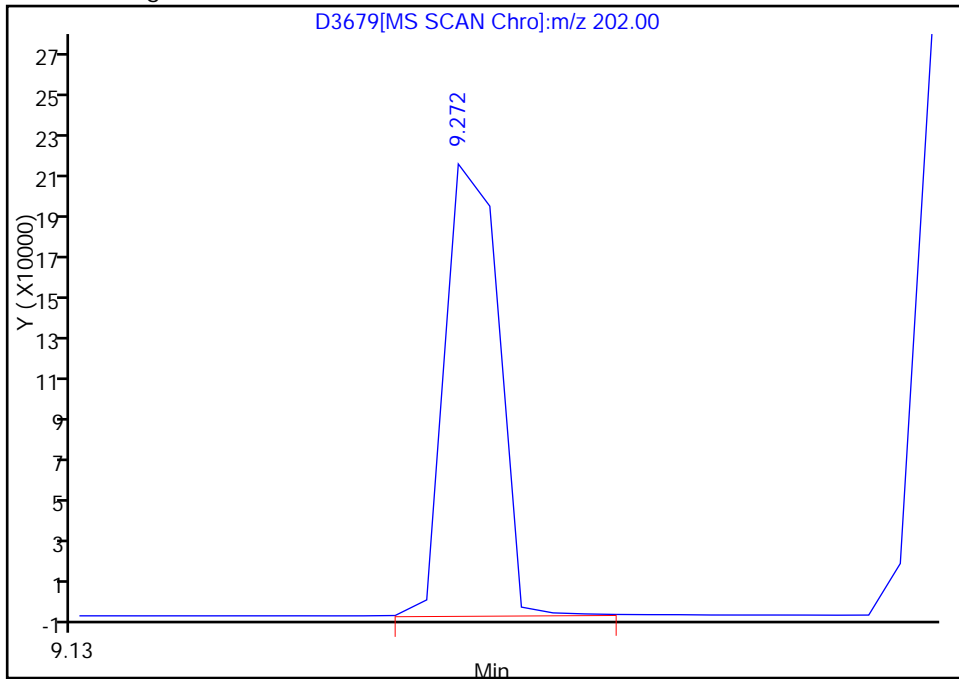
Not Detected  
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.27  
Response: 296182  
Amount: 36.194941



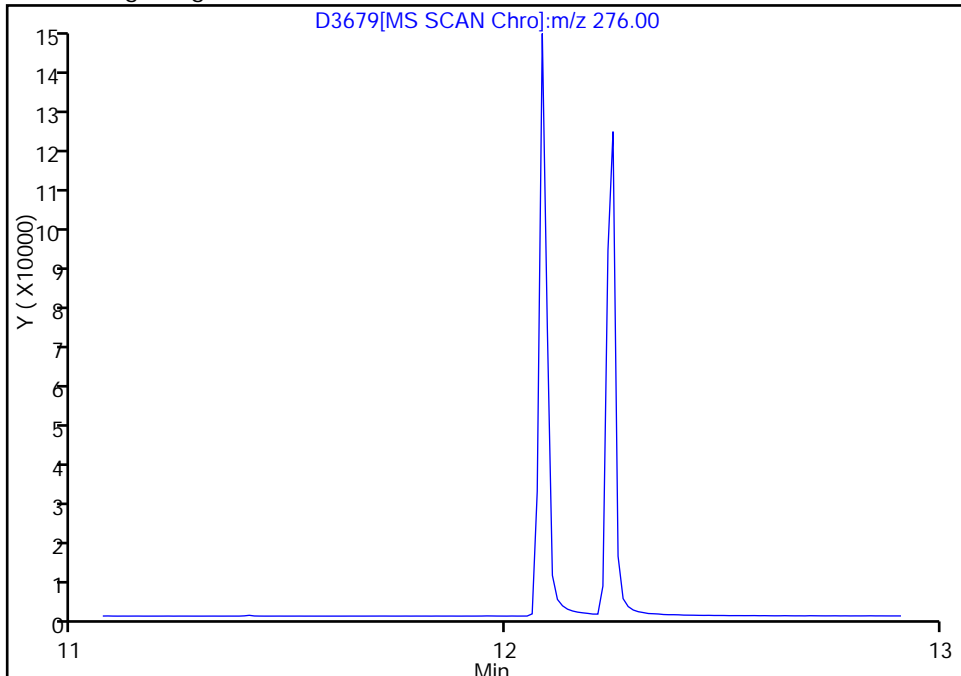
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.07

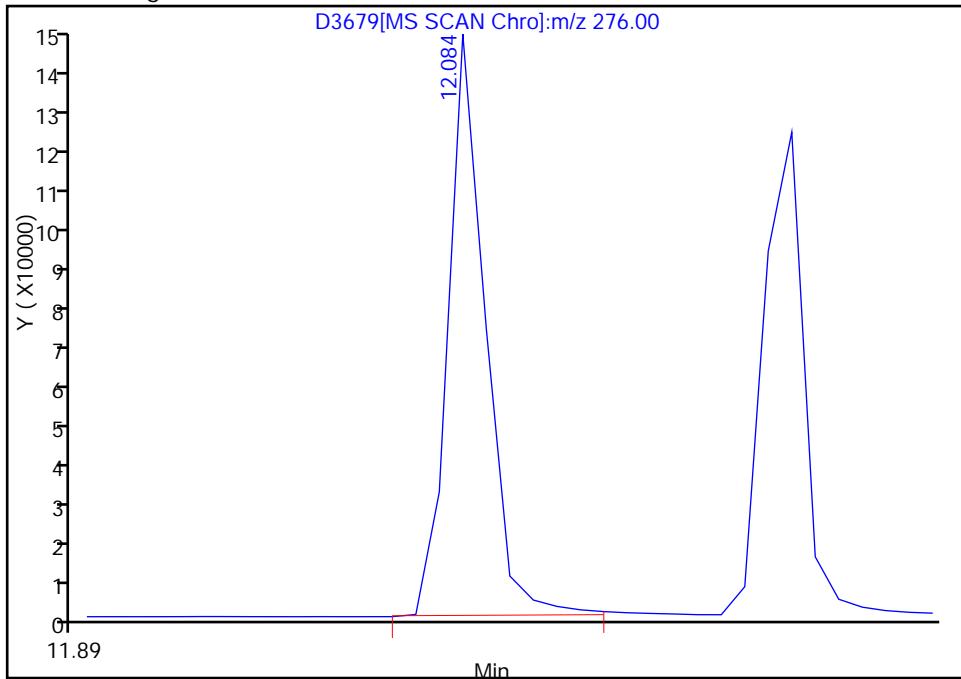
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 186630  
Amount: 42.838092



Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

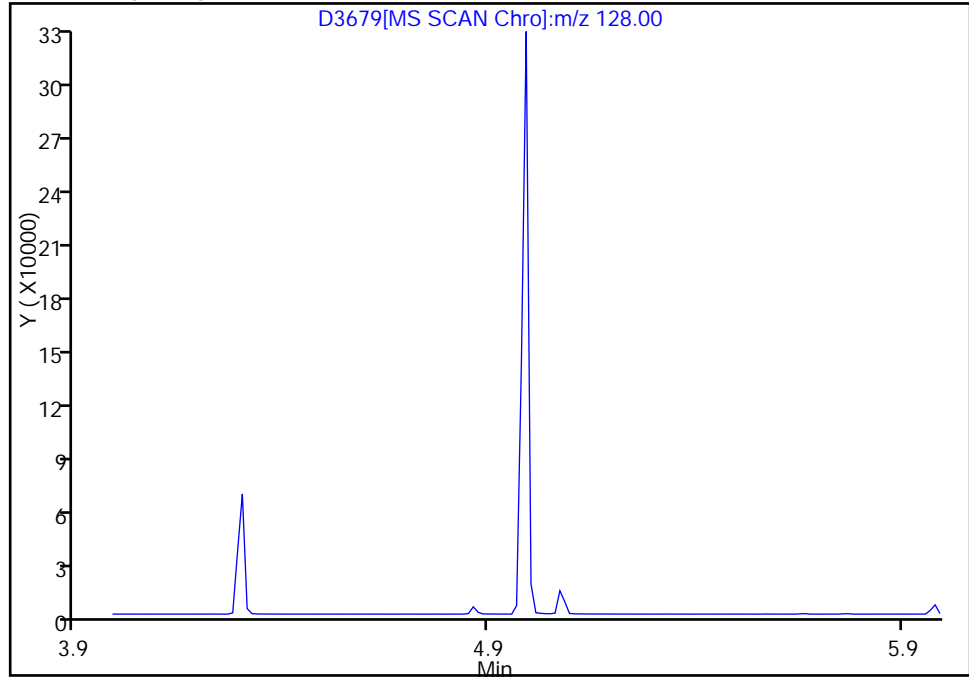


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

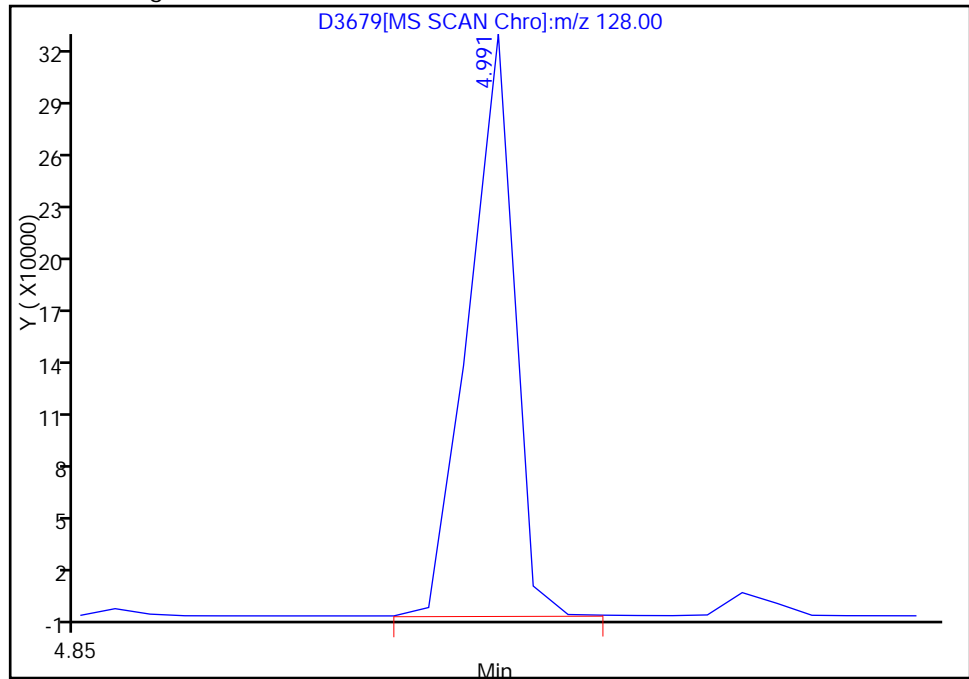
Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results

RT: 4.99  
Response: 339002  
Amount: 34.010069



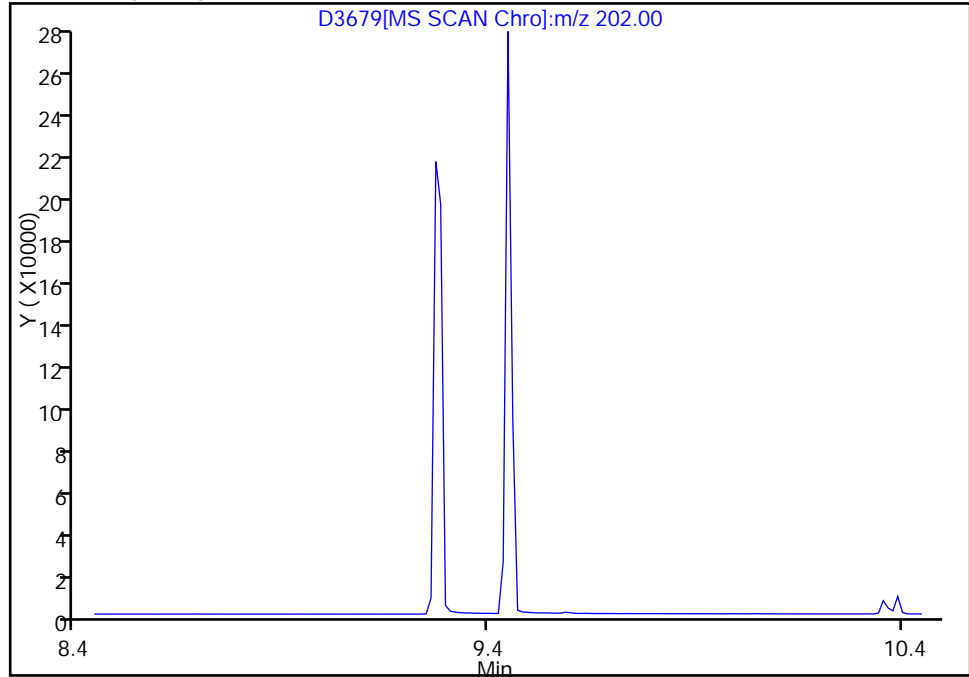
Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D  
Injection Date: 29-Jan-2012 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 15  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

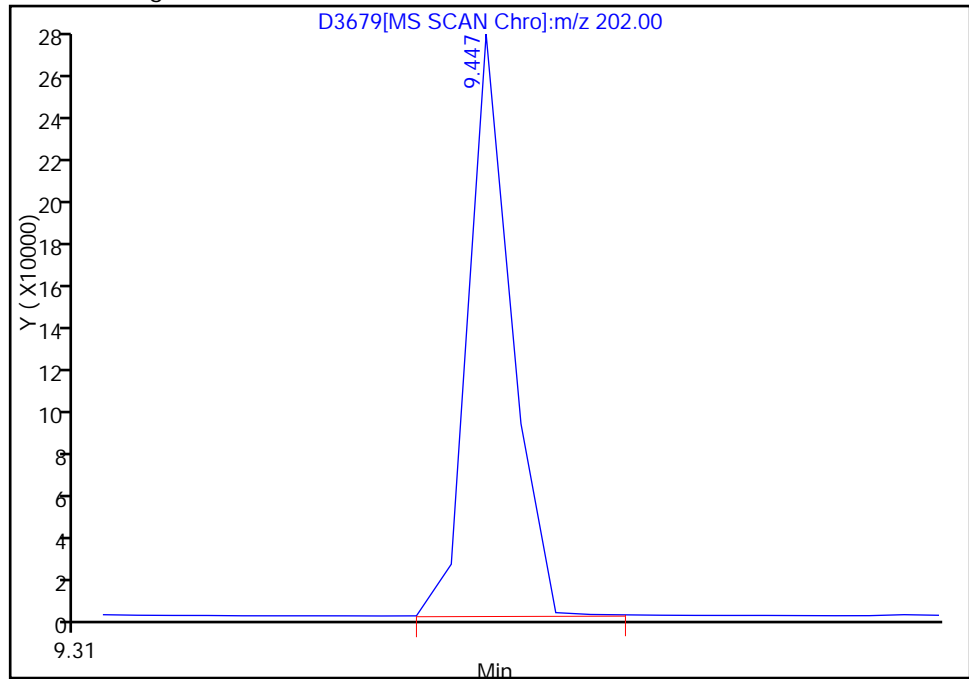
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 276049  
Amount: 40.820023



Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3679.D

Injection Date: 29-Jan-2012 15:10:30

Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID:

Instrument ID: SMSA

Lims Batch ID: 93035

Lims Sample ID: 15

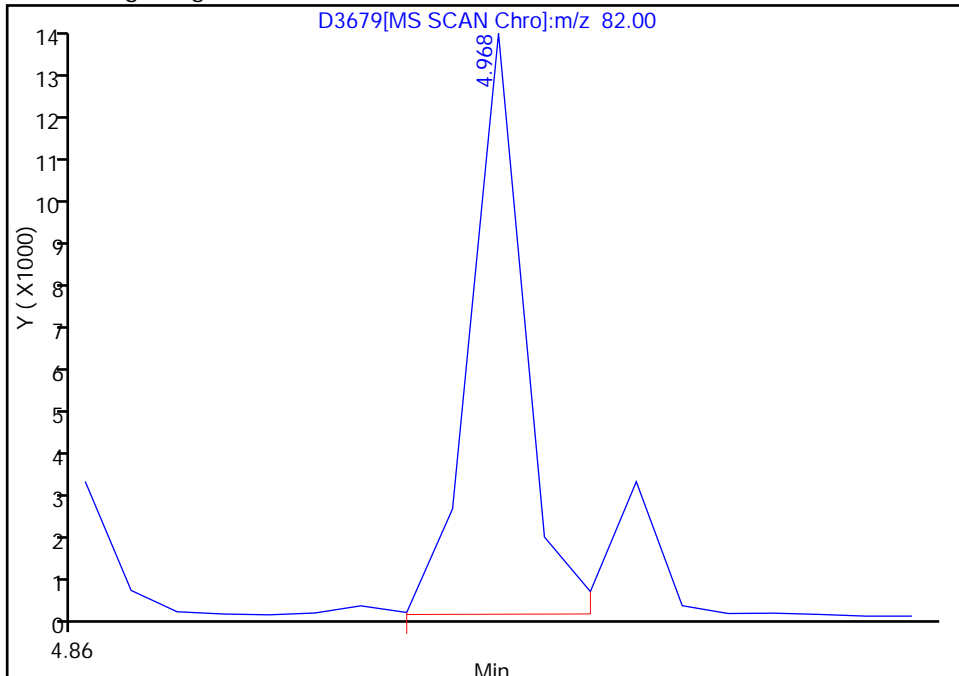
Operator ID: WDS

Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

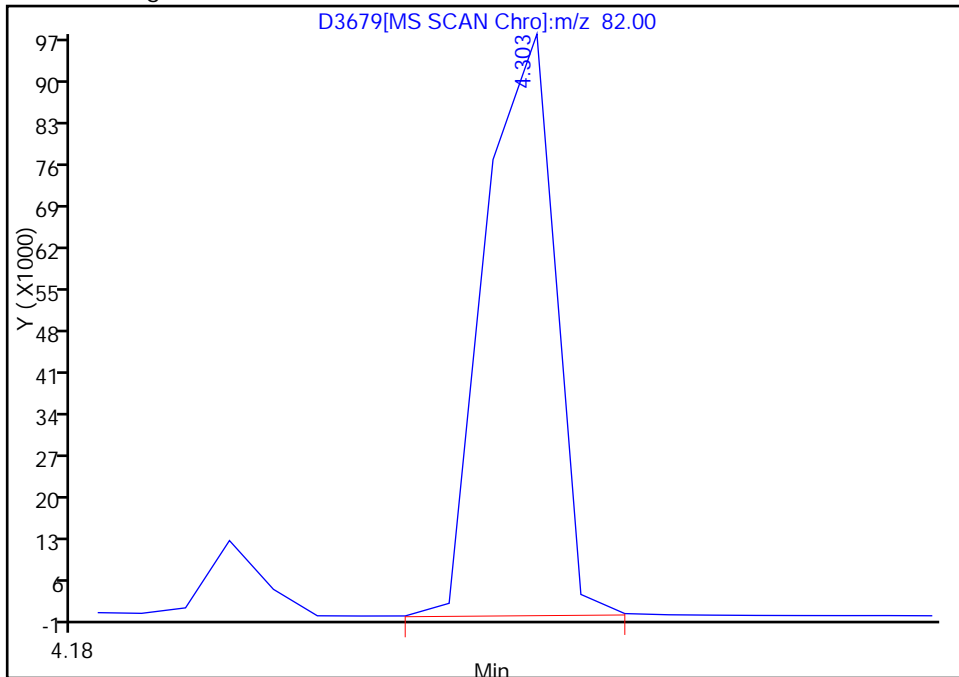
RT: 4.97  
Response: 12683  
Amount: 3.708223

Processing Integration Results



RT: 4.30  
Response: 125535  
Amount: 36.703598

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:17:21  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW1:030040 MS Lab Sample ID: 510-74911-1 MS  
 Matrix: Solid Lab File ID: D3681.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:00  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.18(g) Date Analyzed: 01/29/2012 15:47  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 3.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.23		0.021	0.0026
208-96-8	Acenaphthylene	1.04		0.021	0.0032
120-12-7	Anthracene	1.35		0.021	0.0033
56-55-3	Benzo[a]anthracene	1.39		0.021	0.0022
50-32-8	Benzo[a]pyrene	1.40		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	2.08		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	1.41		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	1.11		0.021	0.0021
218-01-9	Chrysene	1.48		0.021	0.0020
53-70-3	Dibenz(a,h)anthracene	1.28		0.021	0.0028
206-44-0	Fluoranthene	1.14		0.021	0.0042
86-73-7	Fluorene	1.21		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	1.39		0.021	0.0023
91-20-3	Naphthalene	1.13		0.021	0.0034
85-01-8	Phenanthrene	1.29		0.021	0.0032
129-00-0	Pyrene	1.62		0.021	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	71		10-117
321-60-8	2-Fluorobiphenyl	60		16-110
1718-51-0	Terphenyl-d14	96		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
 Lims ID: 510-74911-H-1-B MS Client ID:  
 Inject. Date: 29-Jan-2012 15:47:30 Dil. Factor: 1.0000  
 Sample Type: MS  
 Sample ID: 510-74911-1MS  
 Misc. Info.: 510-0006247-017 =510-0006247-017  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 17  
 Lims Batch ID: 93035 Lims Sample ID: 17  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:21:39

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	143485	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		72758		20.2- 80.2	50.7
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	124588	35.3	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		336367		239.5- 299.5	270.0 M
	54	4.968	4.303	0.665		37652		17.0- 77.0	30.2
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	384549	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.992	4.992	0.001	0	337431	32.8	70.0- 130.0	100.0 M
	129	0.0	4.992	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	251226	35.1	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.065	6.053	0.012	1	248343	30.0		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	329274	30.3	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	220045	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		194335		59.3- 119.3	88.3
74 Acenaphthene									
	153	6.800	6.788	0.012	3	205873	35.6	70.0- 130.0	100.0
	152	6.788	6.788	0.000		97586		16.5- 76.5	47.4
	154	6.800	6.788	0.012		209538		68.8- 128.8	101.8

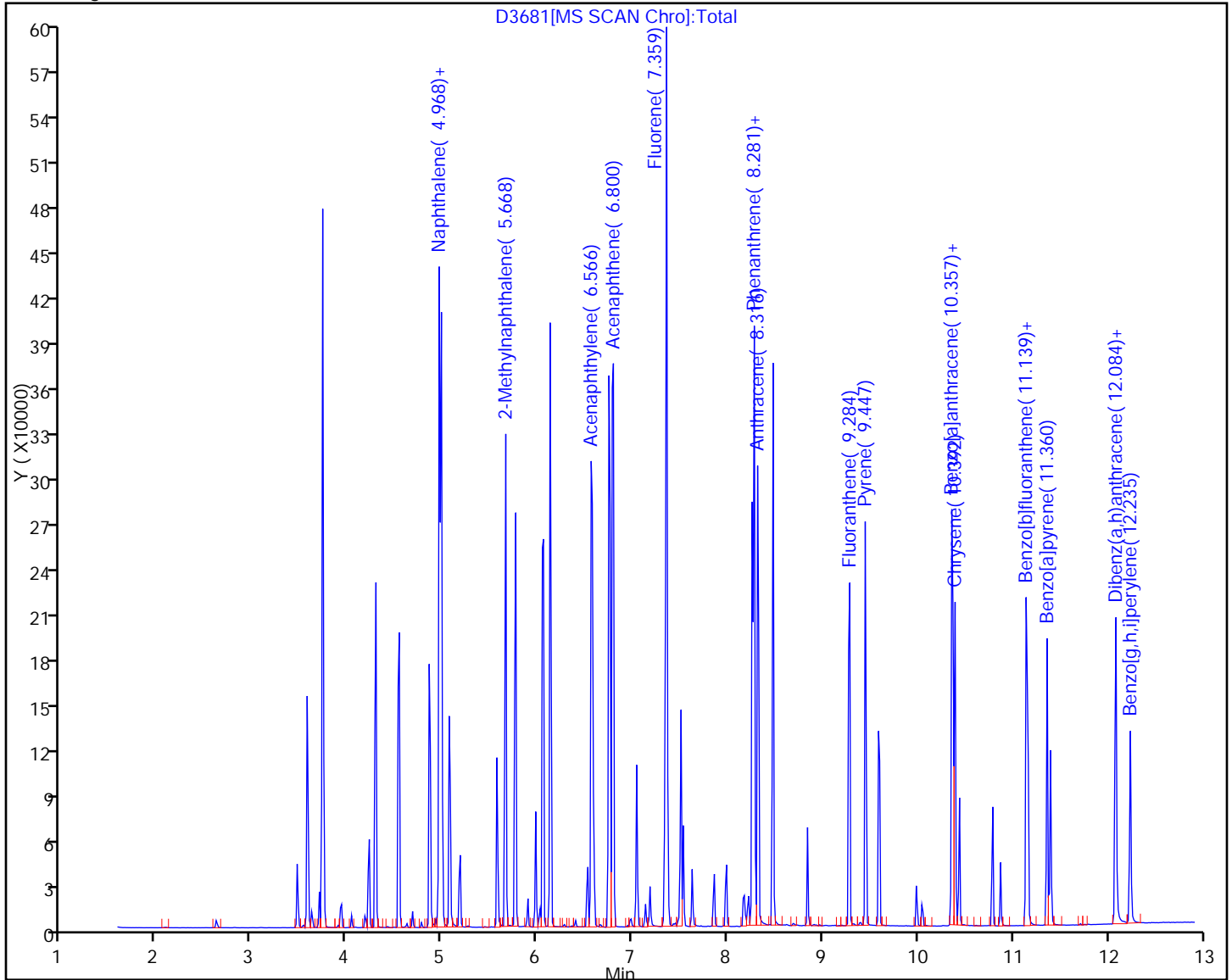
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	7.359	7.359	0.000	20	260209	35.0	70.0- 130.0	100.0	
165	7.359	7.359	0.000		225721		57.6- 117.6	86.7	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	286747	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	296926	37.4	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	303226	39.1	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.284	9.284	0.012	0	277599	33.1	70.0- 130.0	100.0	M
101	0.0	9.284	-9.272		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	260114	47.1	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.599	9.587	0.012	1	133956	48.3	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	186933	40.3	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	122394	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	166287	43.1	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	218779	60.5	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		71071		5.7- 65.7	32.5	
107 Benzo[k]fluoranthene									
252	11.150	11.150	0.000	1	157877	32.2	70.0- 130.0	100.0	M
253	11.139	11.150	-0.011		71071		7.6- 67.6	45.0	
108 Benzo[a]pyrene									
252	11.360	11.349	0.011	1	138289	40.5	70.0- 130.0	100.0	
253	11.360	11.349	0.011		34320		0.0- 53.3	24.8	
* 109 Perylene-d12									
264	11.395	11.395	0.000	1	96431	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.012	0	139026	40.4	70.0- 130.0	100.0	M
138	0.0	12.084	-12.072		0		0.0- 50.5		M
111 Dibenz(a,h)anthracene									
278	12.084	12.084	0.012	0	104030	37.3	70.0- 130.0	100.0	M
139	0.0	12.084	-12.072		0		0.0- 38.7		M
24 Benzo[g,h,i]perylene									
276	12.235	12.235	0.011	0	121297	40.9	70.0- 130.0	100.0	M
138	0.0	12.235	-12.224		0		0.0- 43.1		M

QC Flag Legend

Review Flags

M - Manually Integrated

Y Scaling:



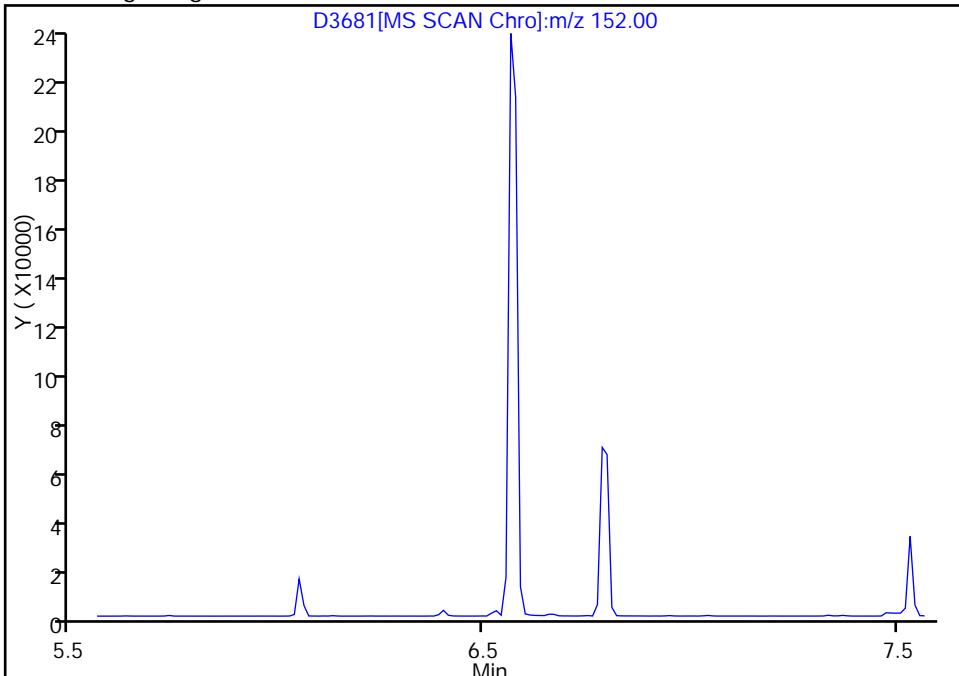


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

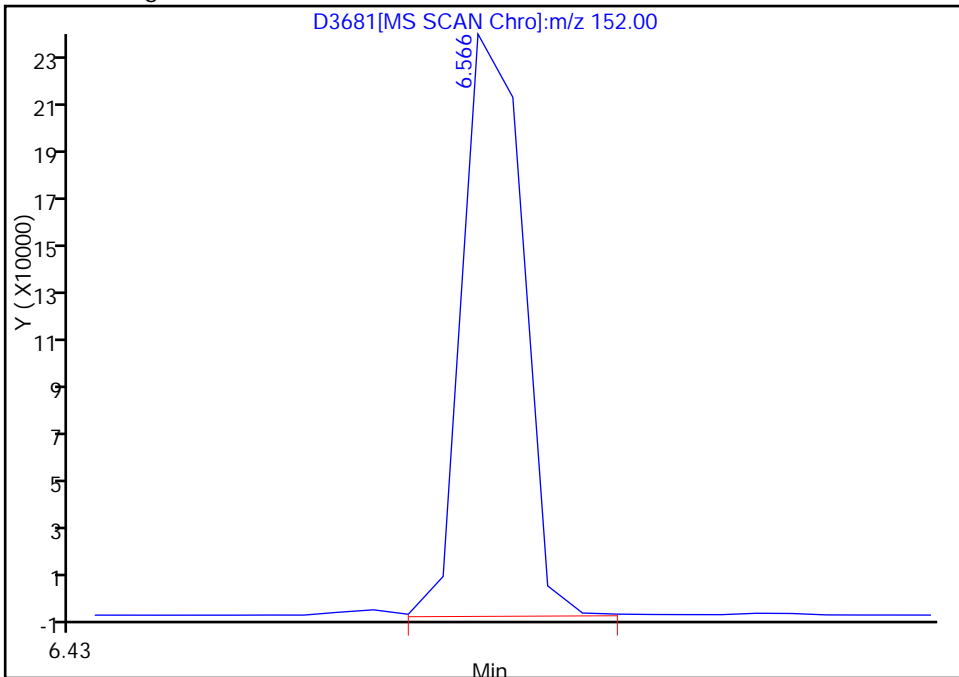
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 329274  
Amount: 30.321151



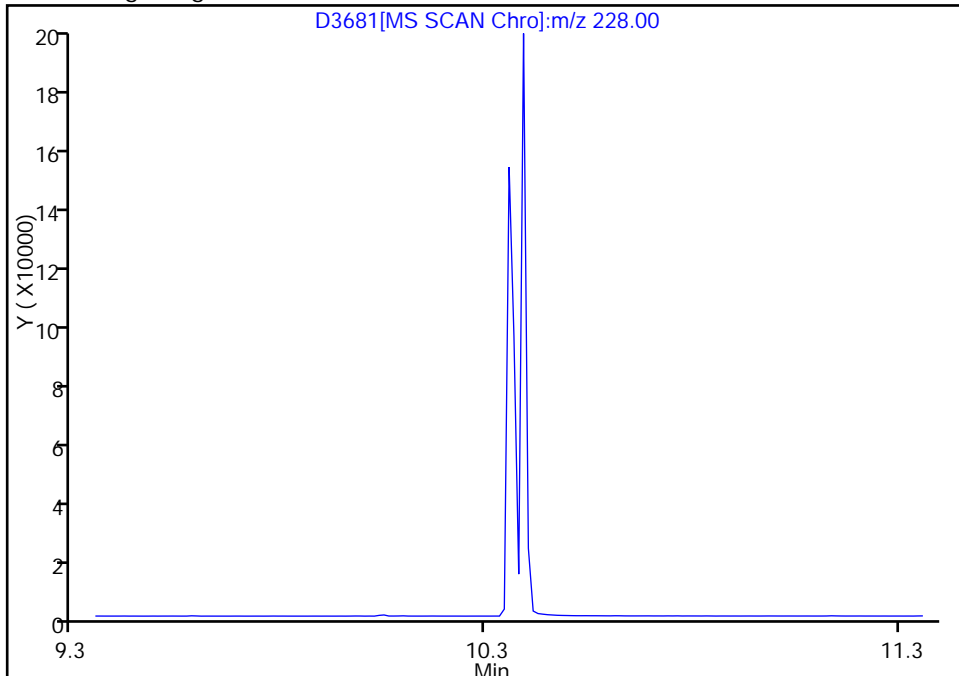
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

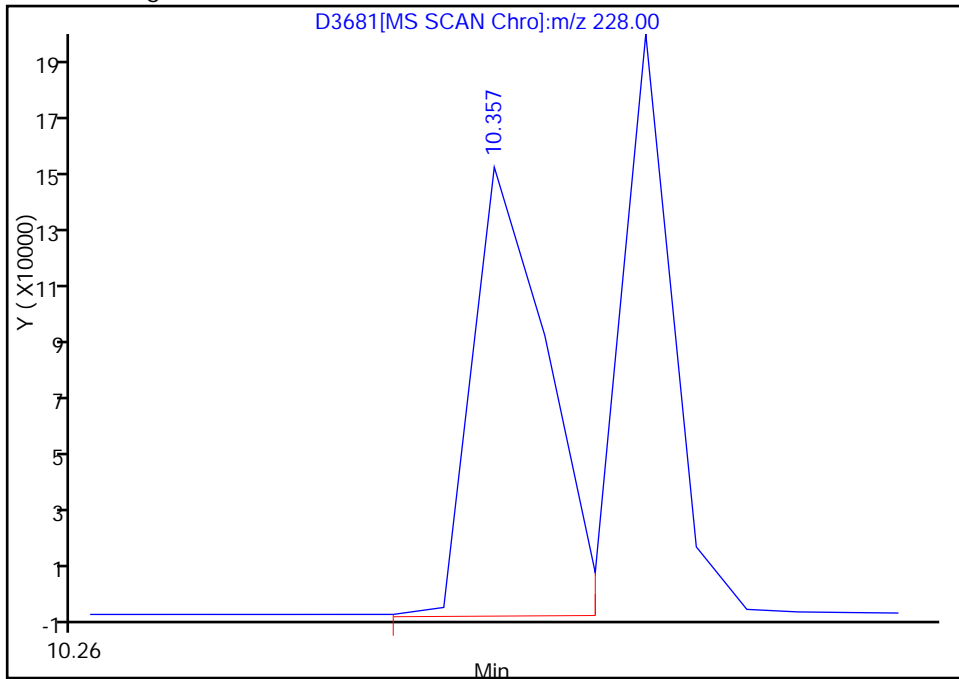
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 186933  
Amount: 40.259462



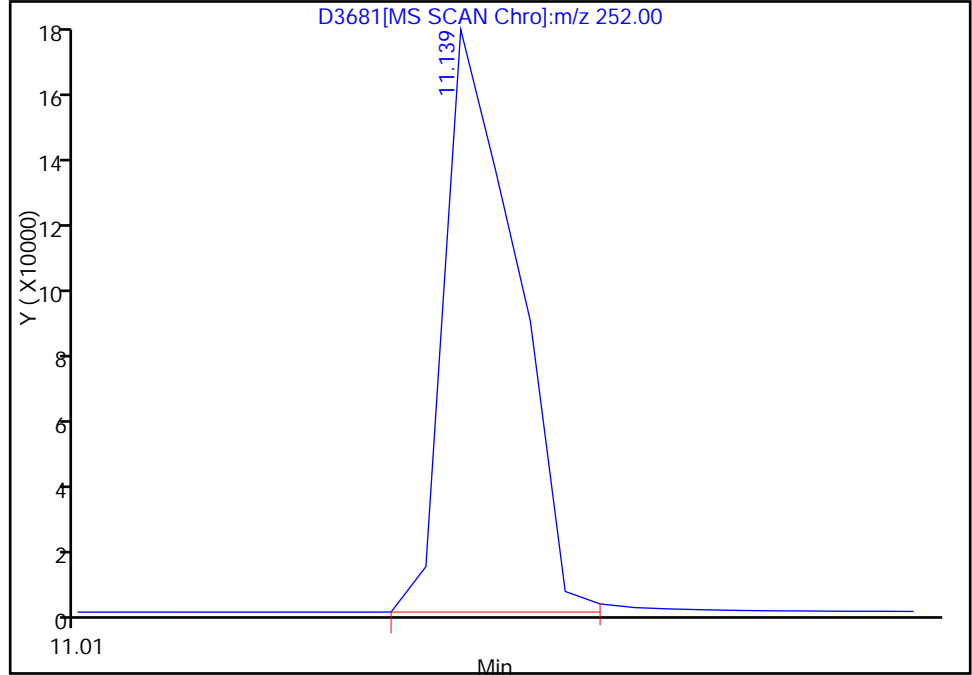
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

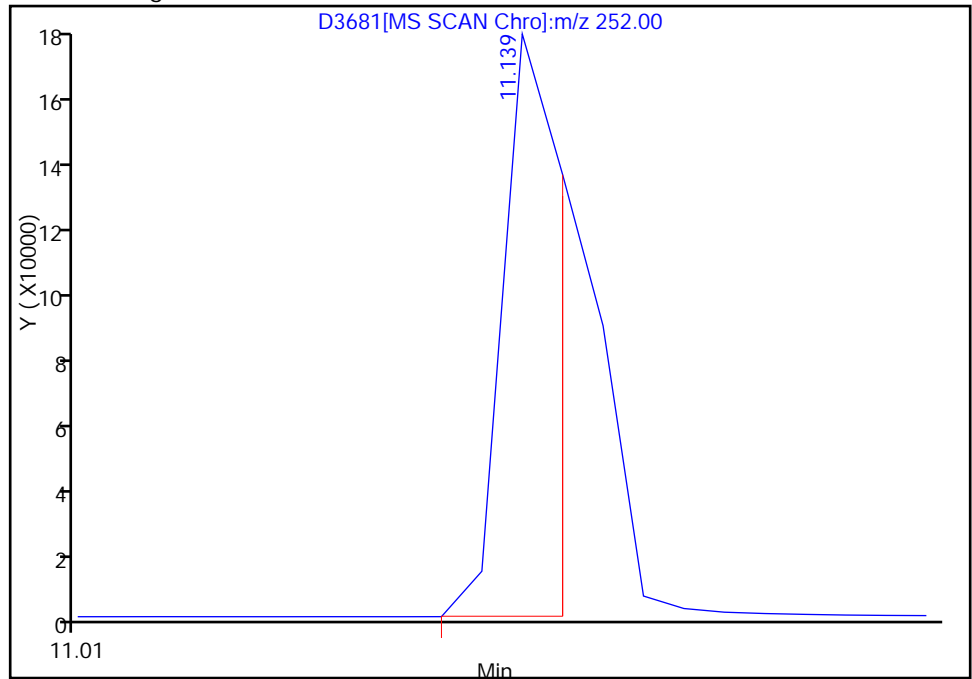
RT: 11.14  
Response: 284659  
Amount: NaN

Processing Integration Results



RT: 11.14  
Response: 218779  
Amount: 60.490240

Manual Integration Results



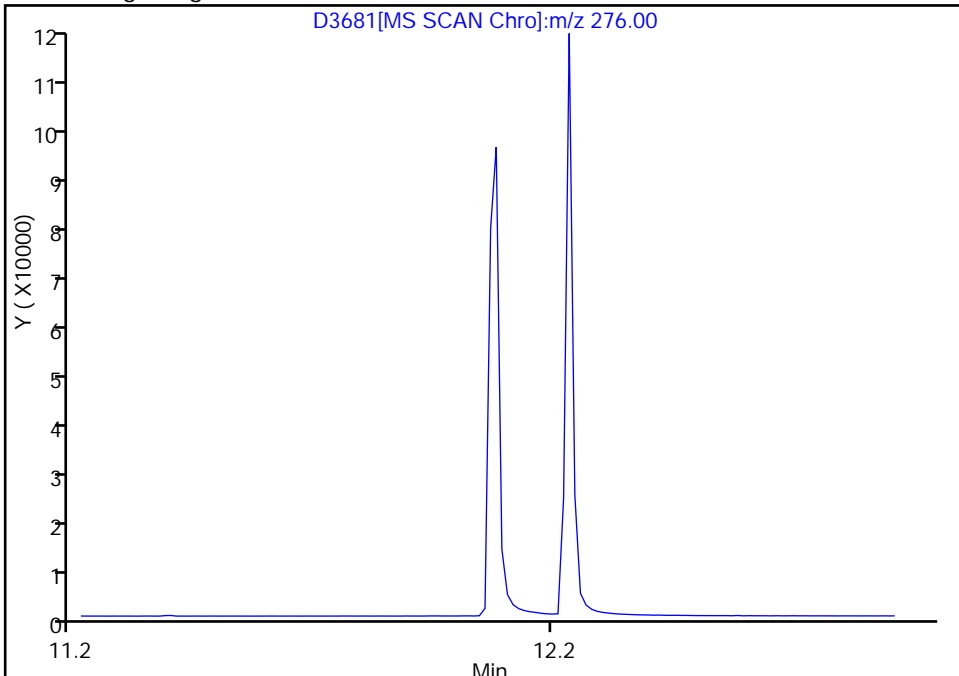
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.22

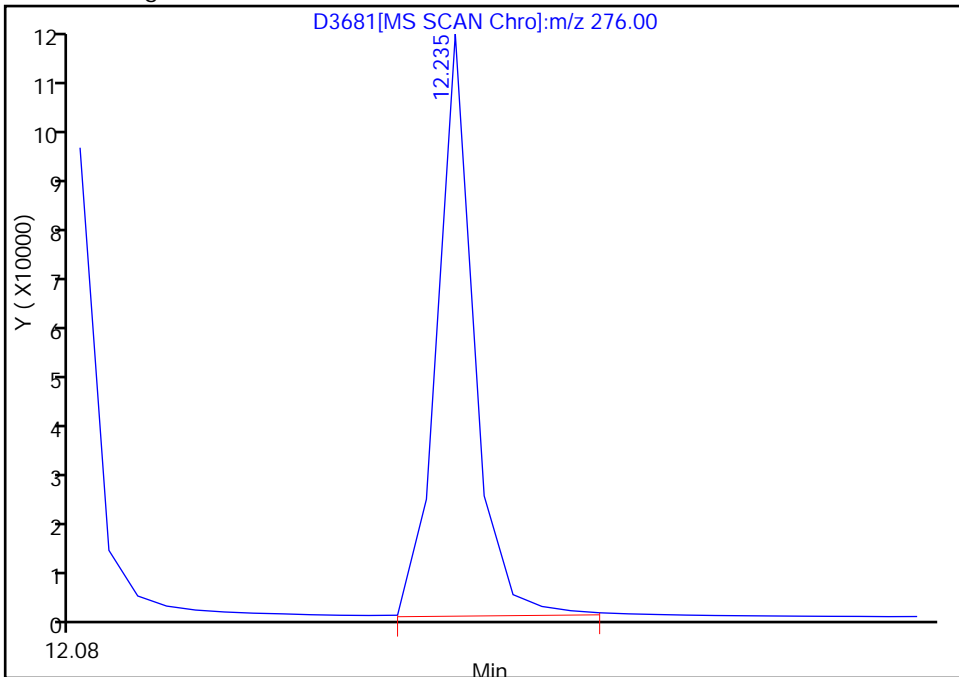
Not Detected  
Expected RT: 12.22

Processing Integration Results



Manual Integration Results

RT: 12.24  
Response: 121297  
Amount: 40.934060



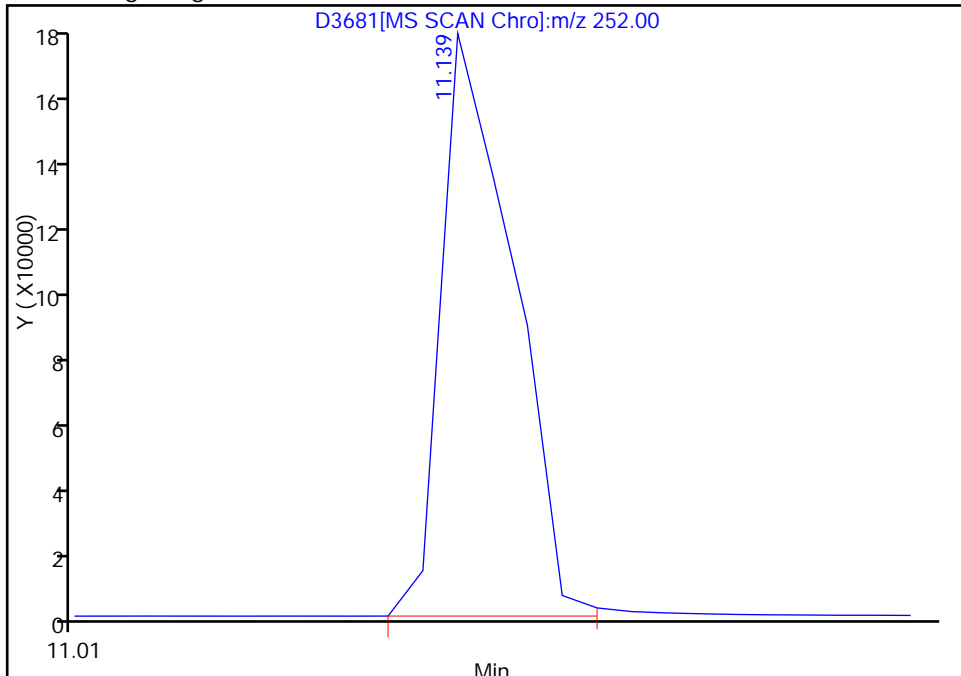
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

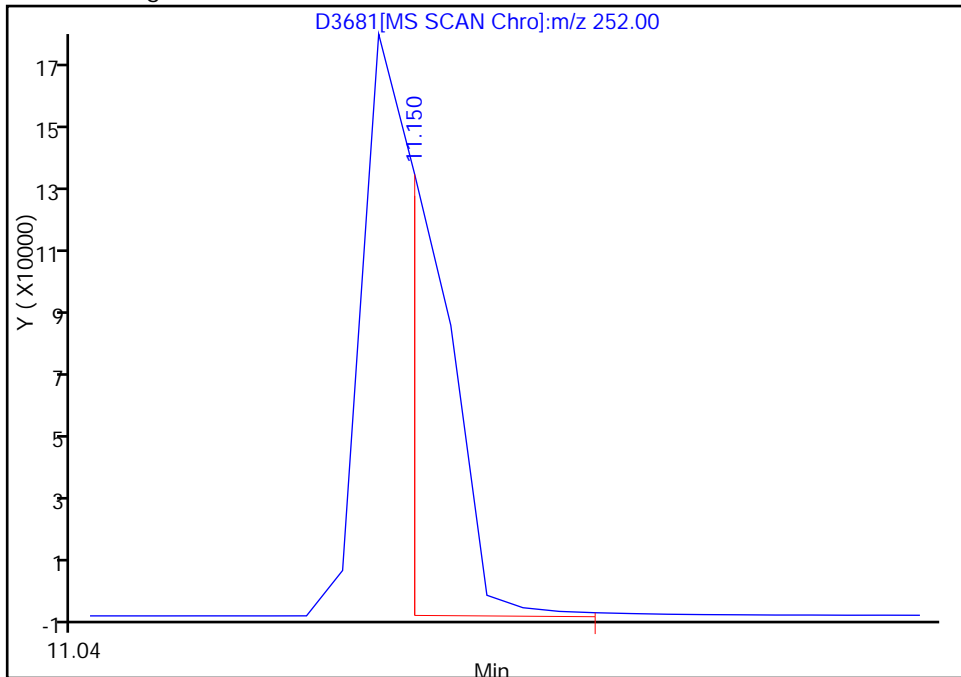
RT: 11.14  
Response: 284659  
Amount: 56.753623

Processing Integration Results



RT: 11.15  
Response: 157877  
Amount: 32.180939

Manual Integration Results



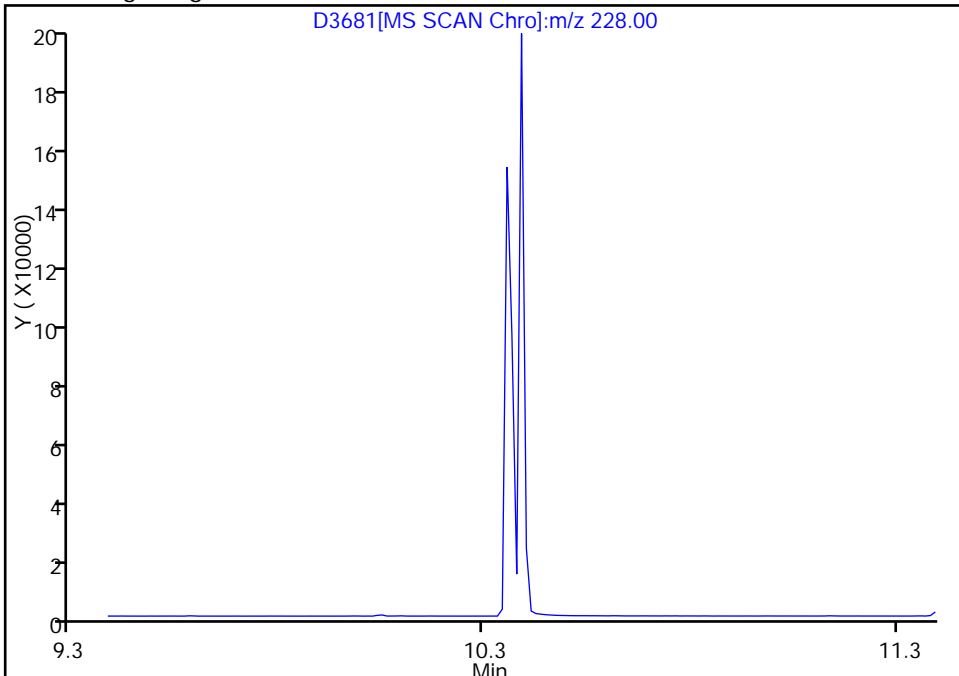
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

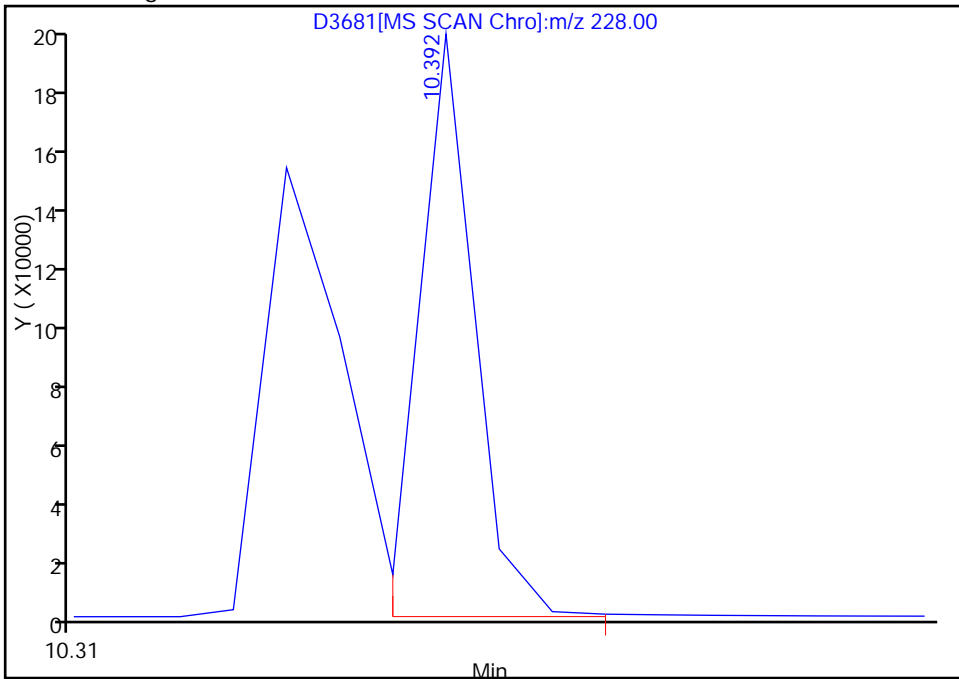
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 166287  
Amount: 43.098987



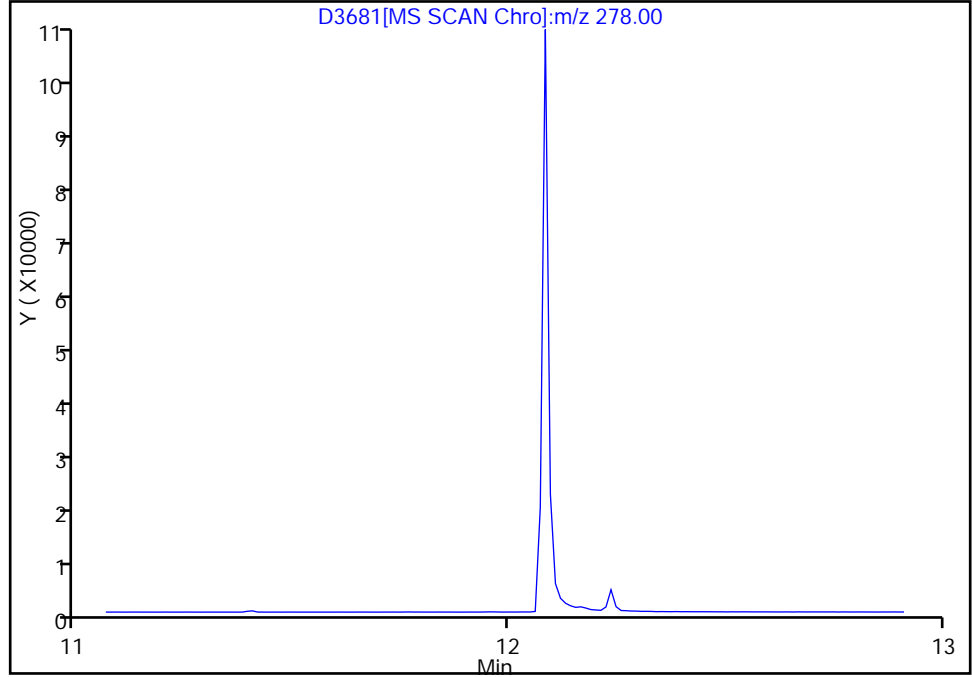
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.07

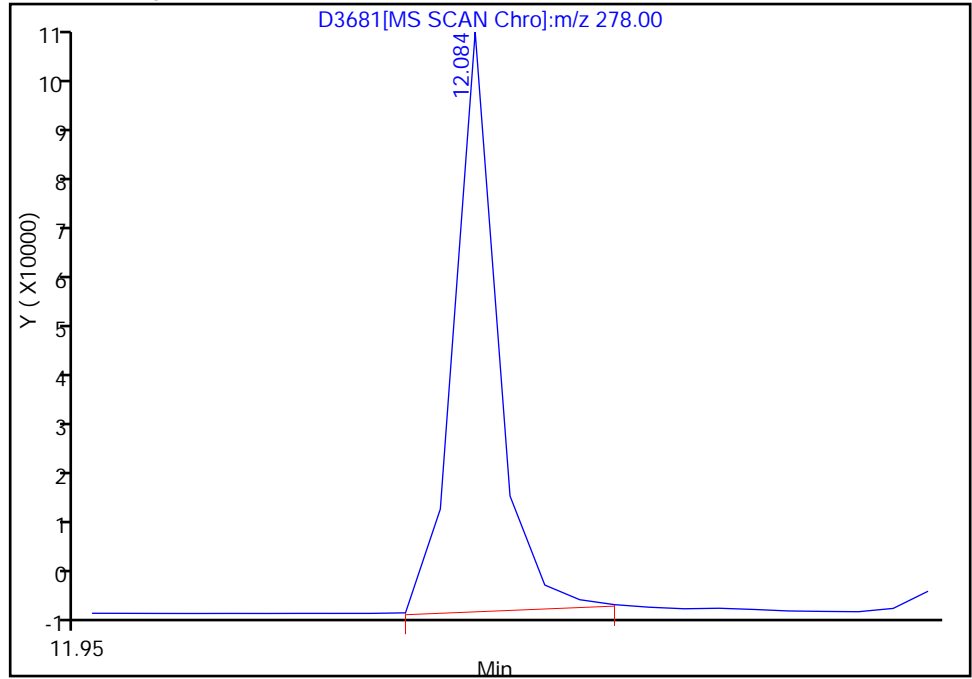
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 104030  
Amount: 37.260003



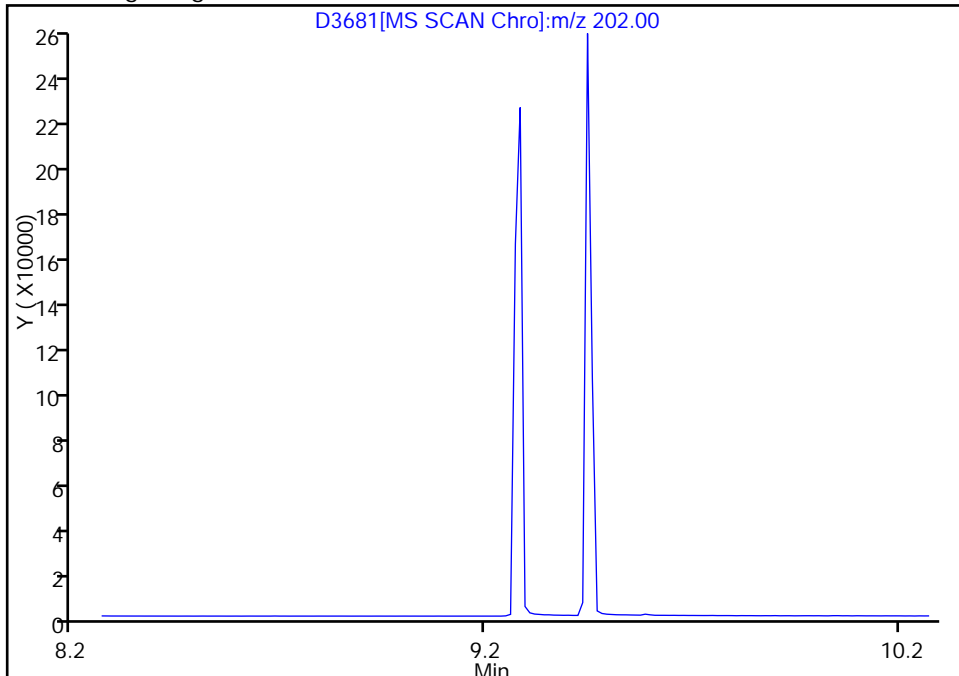
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.27

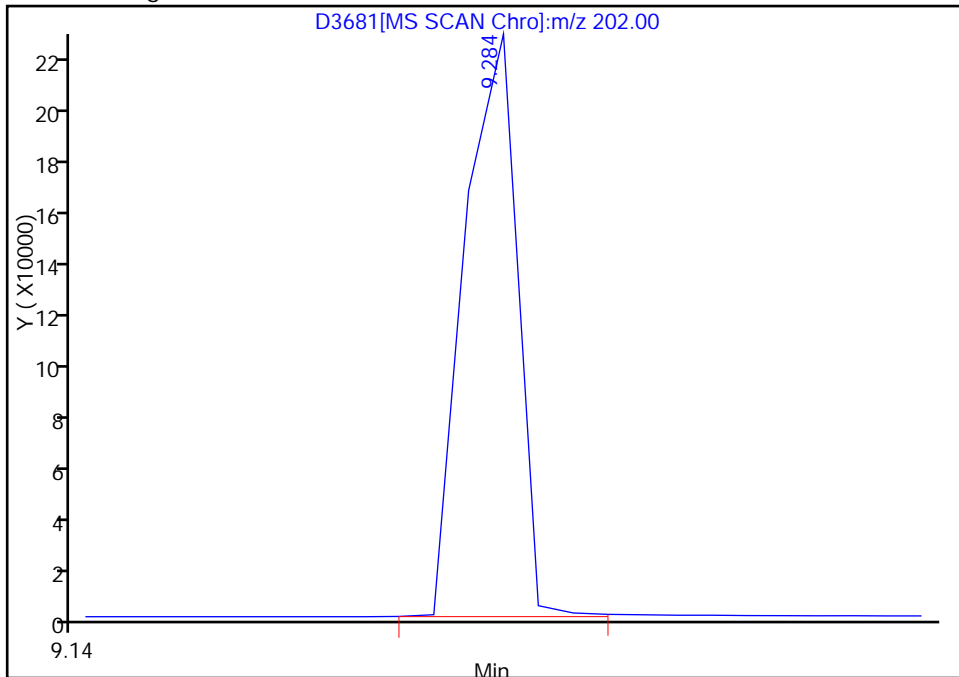
Not Detected  
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 277599  
Amount: 33.104851



Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

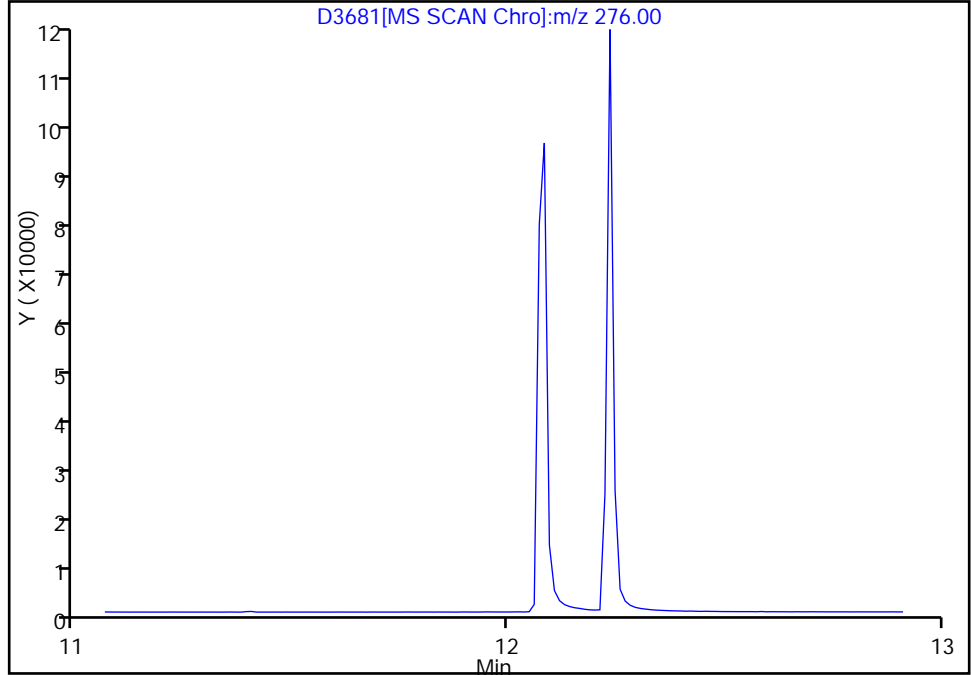


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.07

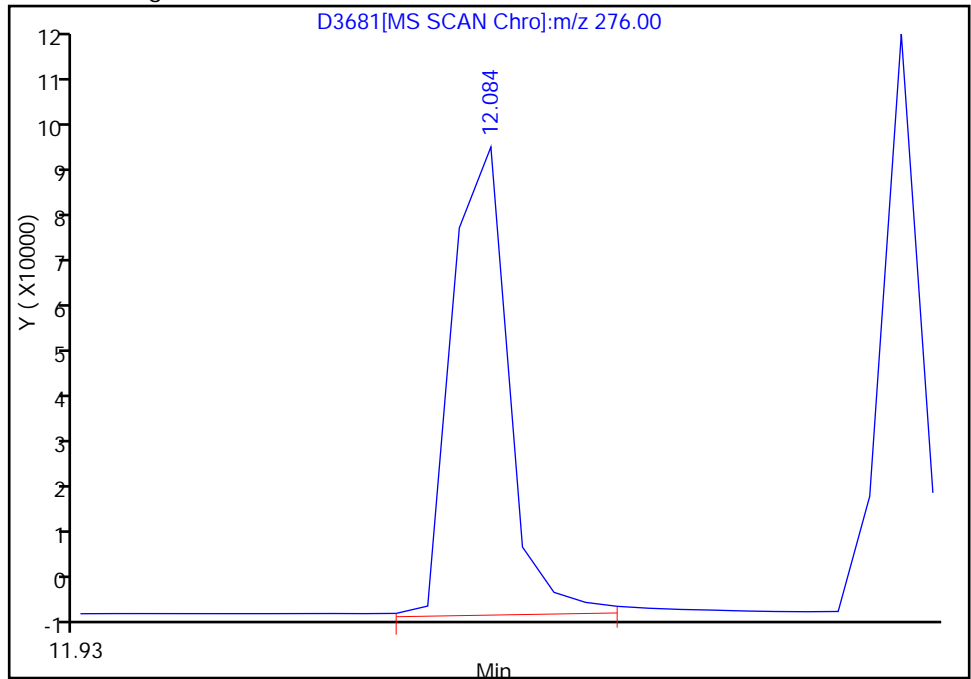
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 139026  
Amount: 40.426646



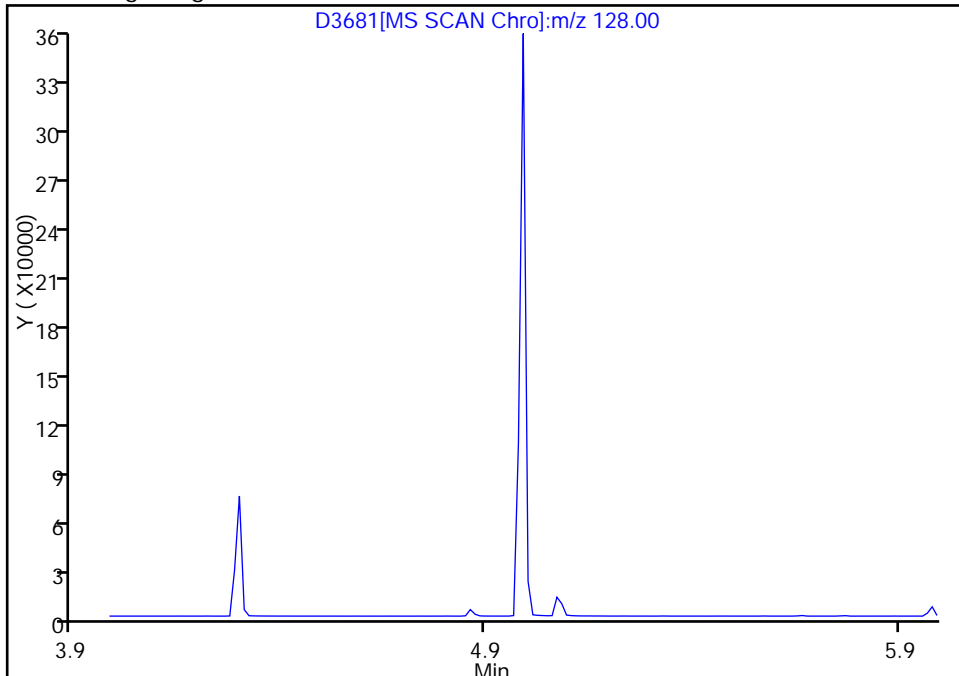
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

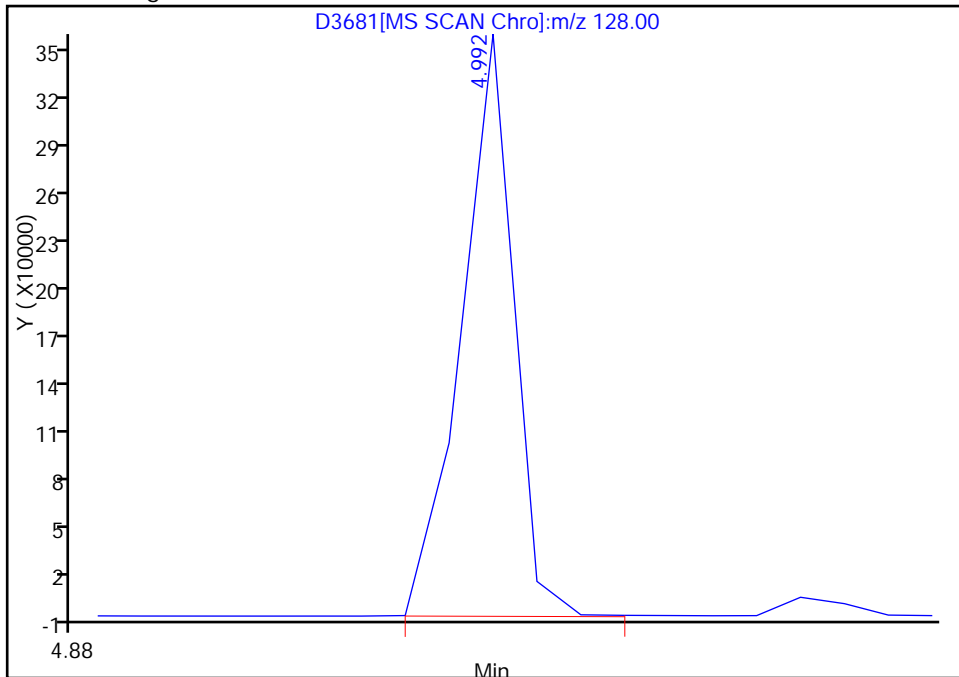
58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results



RT: 4.99  
Response: 337431  
Amount: 32.833318

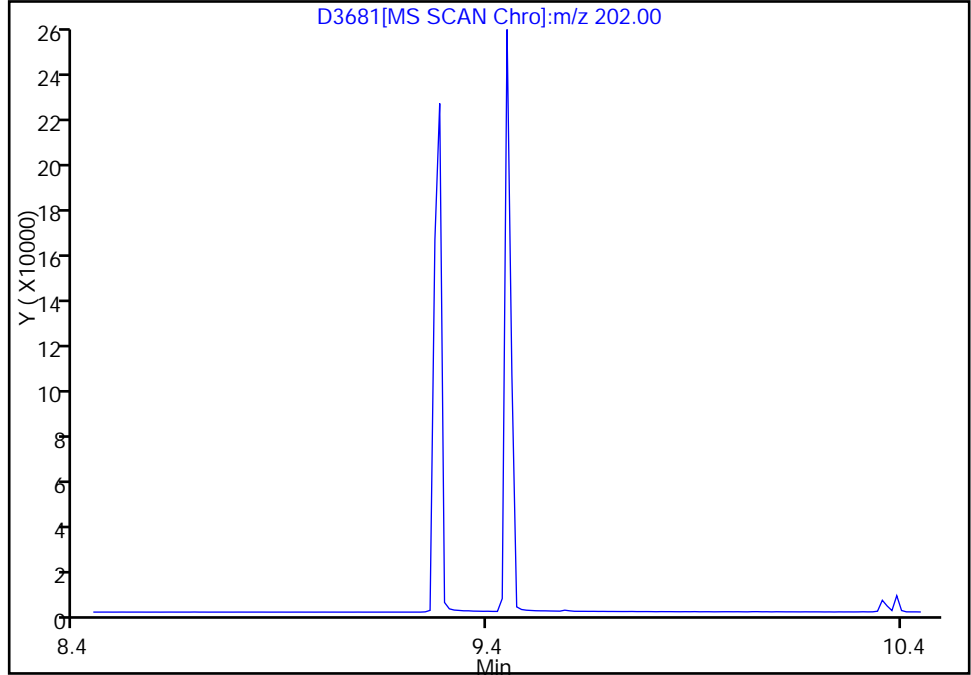
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

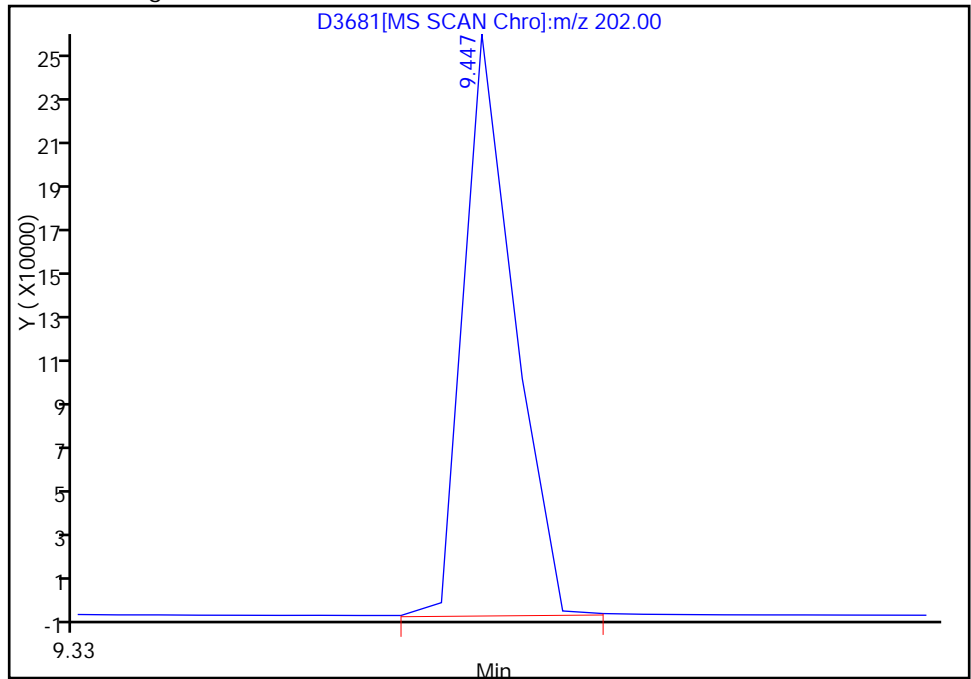
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 260114  
Amount: 47.079774



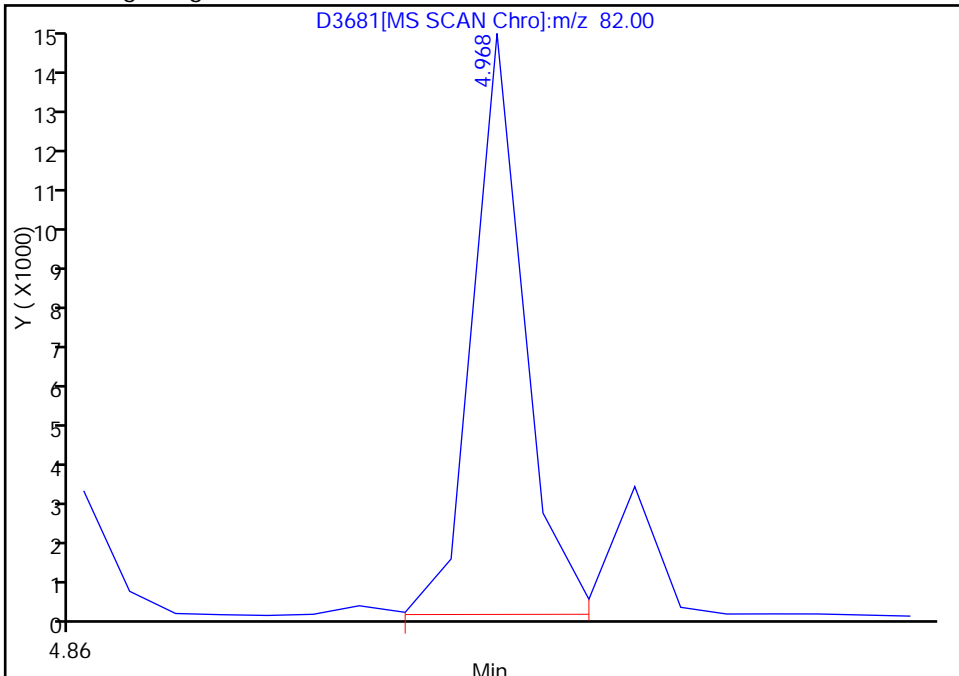
Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3681.D  
Injection Date: 29-Jan-2012 15:47:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 17  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

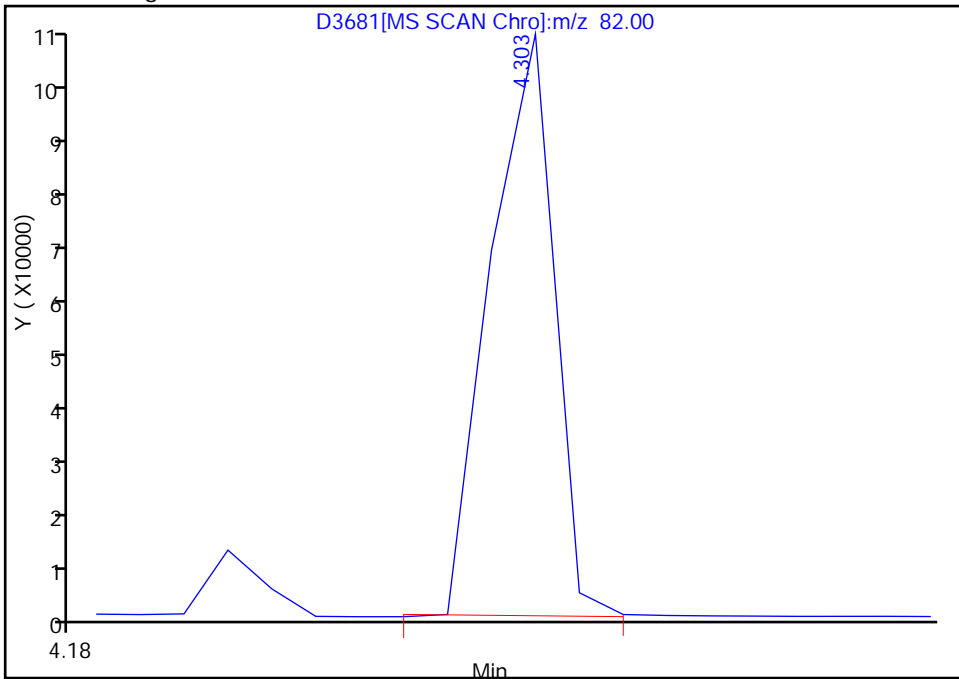
RT: 4.97  
Response: 13242  
Amount: 3.755104

Processing Integration Results



RT: 4.30  
Response: 124588  
Amount: 35.330076

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:21:39  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

FORM I  
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW1:030040 Lab Sample ID: 510-74911-1 MSD  
 Matrix: Solid Lab File ID: D3682.D  
 Analysis Method: 8270C SIM Date Collected: 01/25/2012 09:00  
 Extract. Method: 3546 Date Extracted: 01/26/2012 08:11  
 Sample wt/vol: 30.17(g) Date Analyzed: 01/29/2012 16:06  
 Con. Extract Vol.: 1(mL) Dilution Factor: 1  
 Injection Volume: 1(uL) Level: (low/med) Low  
 % Moisture: 3.8 GPC Cleanup: (Y/N) N  
 Analysis Batch No.: 93035 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.14		0.021	0.0026
208-96-8	Acenaphthylene	0.982		0.021	0.0032
120-12-7	Anthracene	1.23		0.021	0.0033
56-55-3	Benzo[a]anthracene	1.24		0.021	0.0022
50-32-8	Benzo[a]pyrene	1.34		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	1.58		0.021	0.0030
191-24-2	Benzo[g,h,i]perylene	1.35		0.021	0.0023
207-08-9	Benzo[k]fluoranthene	1.15		0.021	0.0022
218-01-9	Chrysene	1.36		0.021	0.0020
53-70-3	Dibenz(a,h)anthracene	1.27		0.021	0.0028
206-44-0	Fluoranthene	1.20		0.021	0.0042
86-73-7	Fluorene	1.10		0.021	0.0028
193-39-5	Indeno[1,2,3-cd]pyrene	1.35		0.021	0.0023
91-20-3	Naphthalene	1.07		0.021	0.0034
85-01-8	Phenanthrene	1.22		0.021	0.0032
129-00-0	Pyrene	1.30		0.021	0.0038

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	64		10-117
321-60-8	2-Fluorobiphenyl	60		16-110
1718-51-0	Terphenyl-d14	77		10-194

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
 Lims ID: 510-74911-H-1-C MSD Client ID:  
 Inject. Date: 29-Jan-2012 16:06:30 Dil. Factor: 1.0000  
 Sample Type: MSD  
 Sample ID: 510-74911-1MSD  
 Misc. Info.: 510-0006247-018 =510-0006247-018  
 Operator: WDS Instrument ID: SMSA  
 Vol. Injected: 1.0000 ALS Bottle#: 18  
 Lims Batch ID: 93035 Lims Sample ID: 18  
 Detector: MS SCAN  
 Method: \\Valsvr08\ChromData\SMSA\20120129-6247.b\SIM-PNA.m  
 Last Update: 29-Jan-2012 20:14:02 Calib Date: 29-Jan-2012 13:20:30  
 Quant Method: Internal Standard Quant By: Initial Calibration  
 Last ICal File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3673.D  
 Limit Group: SMS - 1 - 8270 SIM Calibration  
 Integrator: RTE ID Type: RT Order ID  
 Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 29-Jan-2012 20:25:00

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
	152	3.743	3.743	0.000	1	123092	40.0	70.0- 130.0	100.0
	115	3.743	3.743	0.000		61769		20.2- 80.2	50.2
\$ 49 Nitrobenzene-d5									
	82	4.303	4.303	0.000	1	87478	32.1	70.0- 130.0	100.0 M
	128	4.992	4.303	0.689		244670		239.5- 299.5	279.7 M
	54	4.968	4.303	0.665		28307		17.0- 77.0	32.4
* 57 Naphthalene-d8									
	136	4.968	4.968	0.000	1	296910	40.0	70.0- 130.0	100.0
58 Naphthalene									
	128	4.992	4.992	0.001	0	246320	31.0	70.0- 130.0	100.0 M
	129	0.0	4.992	-4.991		0		0.0- 41.4	
62 2-Methylnaphthalene									
	142	5.668	5.668	0.000	0	165512	29.9	70.0- 130.0	100.0 M
	141	0.0	5.668	-5.668		0		53.4- 113.4	
	115	0.0	5.668	-5.668		0		17.5- 77.5	
\$ 66 2-Fluorobiphenyl									
	172	6.053	6.053	0.000	1	158303	30.0		
71 Acenaphthylene									
	152	6.566	6.566	0.000	0	198074	28.5	70.0- 130.0	100.0 M
	151	0.0	6.566	-6.566		0		0.0- 50.0	
* 73 Acenaphthene-d10									
	164	6.753	6.753	0.000	1	140683	40.0	70.0- 130.0	100.0
	162	6.753	6.753	0.000		126239		59.3- 119.3	89.7
74 Acenaphthene									
	153	6.788	6.788	0.000	0	122109	33.0	70.0- 130.0	100.0
	152	6.788	6.788	0.000		57443		16.5- 76.5	47.0
	154	6.788	6.788	0.000		122630		68.8- 128.8	100.4

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	7.359	7.359	0.000	21	152158	32.0	70.0- 130.0	100.0	
165	7.359	7.359	0.000		130987		57.6- 117.6	86.1	
* 90 Phenanthrene-d10									
188	8.258	8.258	0.000	1	194727	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.281	8.281	0.000	1	191731	35.5	70.0- 130.0	100.0	
92 Anthracene									
178	8.316	8.316	0.000	1	187304	35.6	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.284	9.284	0.012	0	197428	34.7	70.0- 130.0	100.0	M
101	0.0	9.284	-9.272		0		0.0- 39.8		M
97 Pyrene									
202	9.447	9.447	0.000	0	190505	37.7	70.0- 130.0	100.0	M
101	0.0	9.447	-9.447		0		0.0- 39.9		M
\$ 98 Terphenyl-d14									
244	9.587	9.587	0.000	1	97793	38.6	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.357	10.357	0.000	0	152997	36.1	70.0- 130.0	100.0	M
229	0.0	10.357	-10.357		0		0.0- 49.5		M
226	0.0	10.357	-10.357		0		0.5- 60.5		
* 103 Chrysene-d12									
240	10.369	10.369	0.000	1	111843	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.392	10.392	0.000	0	139146	39.5	70.0- 130.0	100.0	M
226	0.0	10.392	-10.392		0		0.5- 60.5		M
229	0.0	10.392	-10.392		0		0.0- 49.5		
106 Benzo[b]fluoranthene									
252	11.139	11.139	0.000	1	169095	45.8	70.0- 130.0	100.0	M
253	11.139	11.139	0.000		60021		5.7- 65.7	35.5	
107 Benzo[k]fluoranthene									
252	11.150	11.150	0.000	1	148543	33.4	70.0- 130.0	100.0	M
253	11.139	11.150	-0.011		60021		7.6- 67.6	40.4	M
108 Benzo[a]pyrene									
252	11.360	11.349	0.011	1	119681	38.8	70.0- 130.0	100.0	
253	11.360	11.349	0.011		29223		0.0- 53.3	24.4	
* 109 Perylene-d12									
264	11.395	11.395	0.000	1	87135	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.084	12.084	0.012	0	121484	39.1	70.0- 130.0	100.0	M
138	0.0	12.084	-12.072		0		0.0- 50.5		M
111 Dibenz(a,h)anthracene									
278	12.084	12.084	0.012	0	93056	36.9	70.0- 130.0	100.0	M
139	0.0	12.084	-12.072		0		0.0- 38.7		M
24 Benzo[g,h,i]perylene									
276	12.247	12.247	0.023	0	105235	39.3	70.0- 130.0	100.0	M
138	0.0	12.247	-12.224		0		0.0- 43.1		M

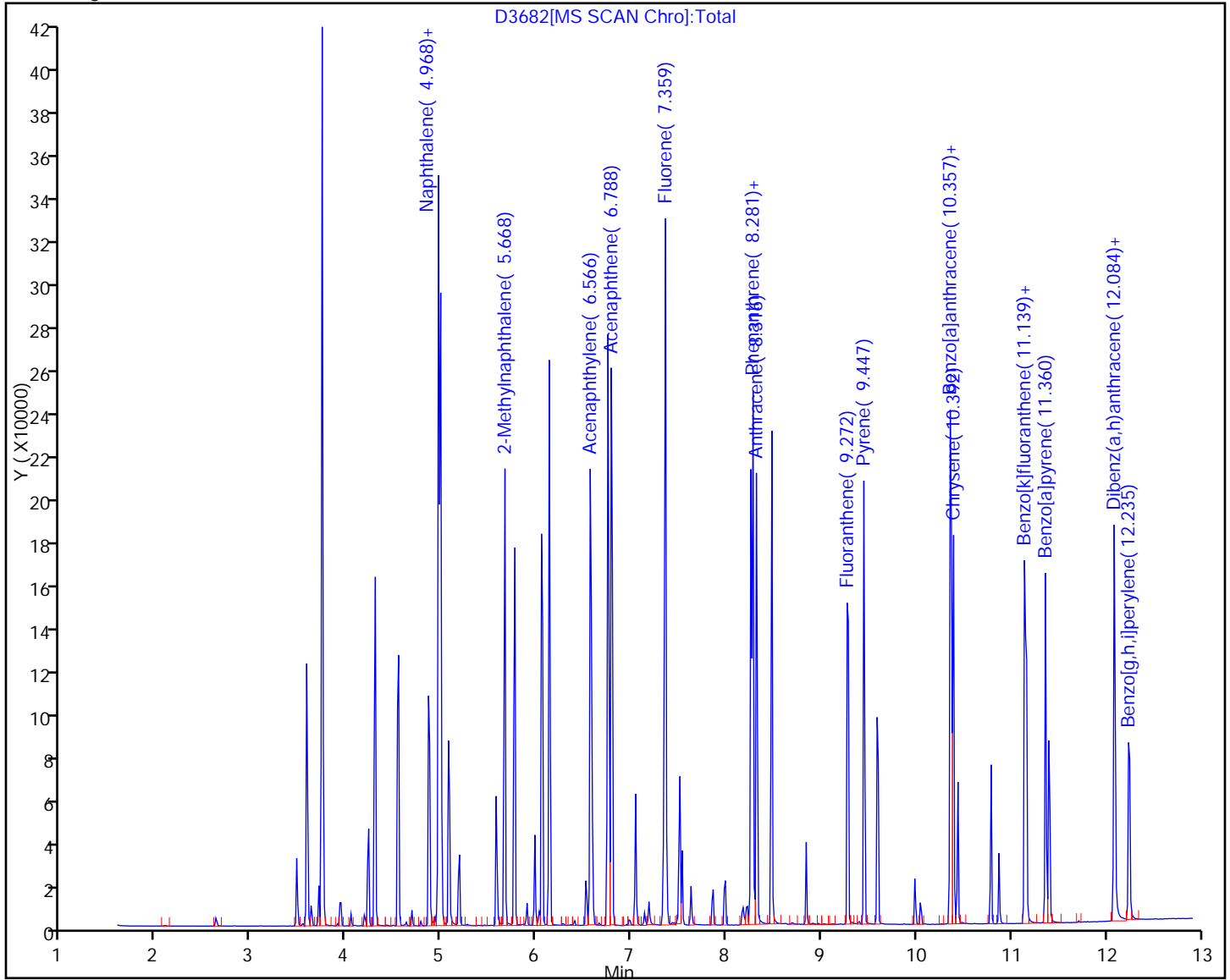
QC Flag Legend

Review Flags

M - Manually Integrated



Y Scaling:

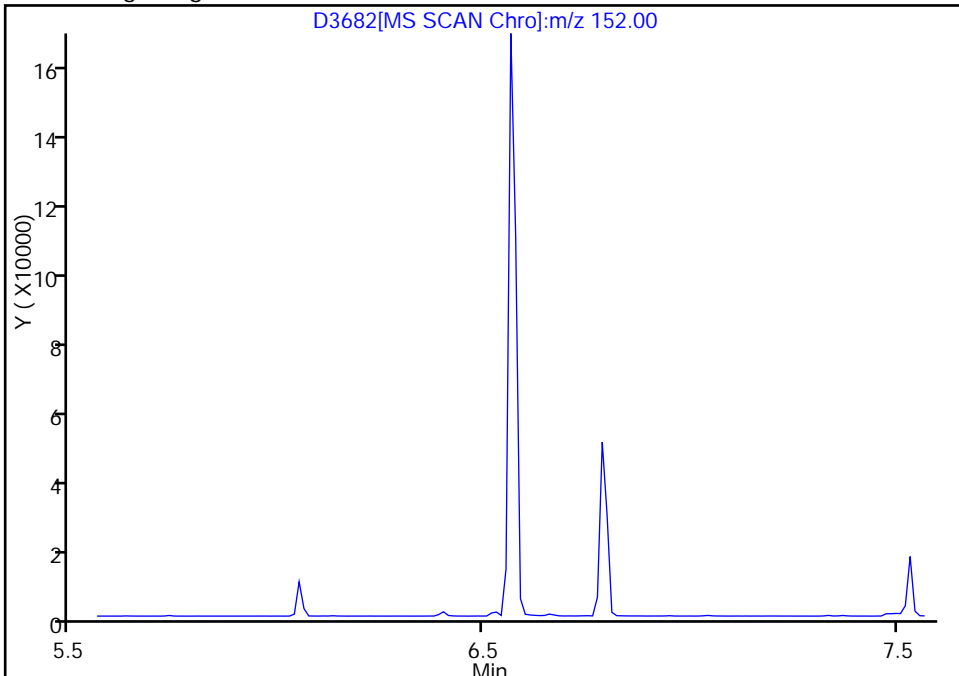


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 6.57

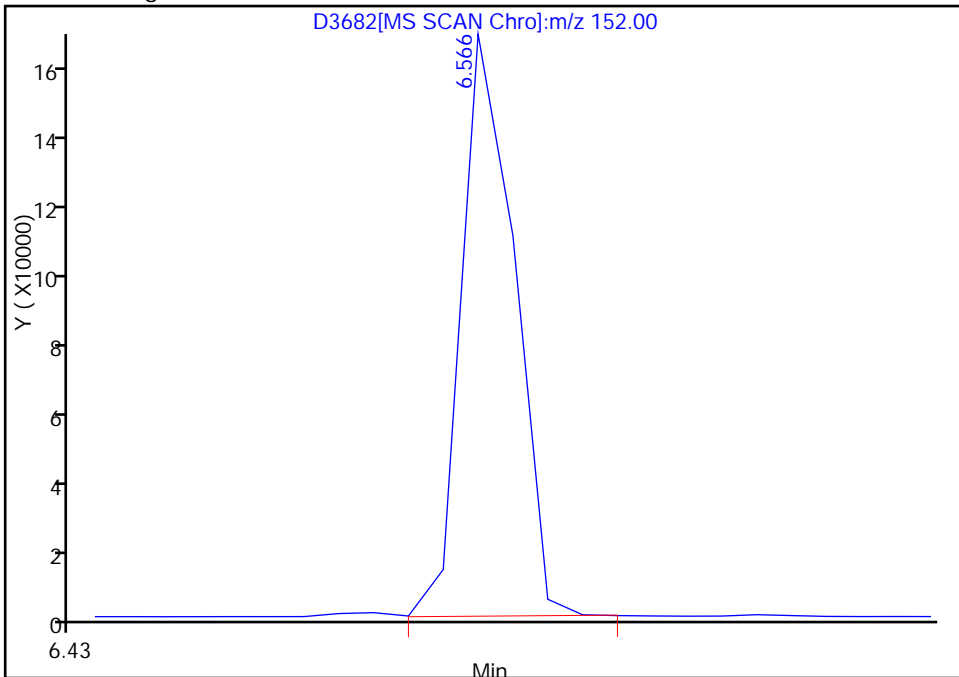
Not Detected  
Expected RT: 6.57

Processing Integration Results



Manual Integration Results

RT: 6.57  
Response: 198074  
Amount: 28.528938



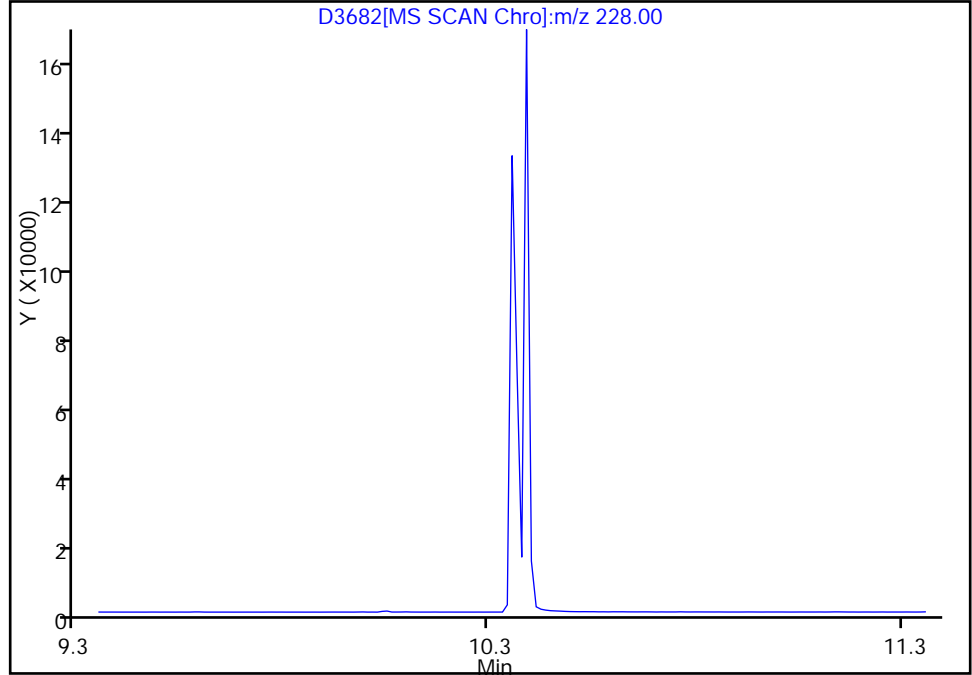
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.36

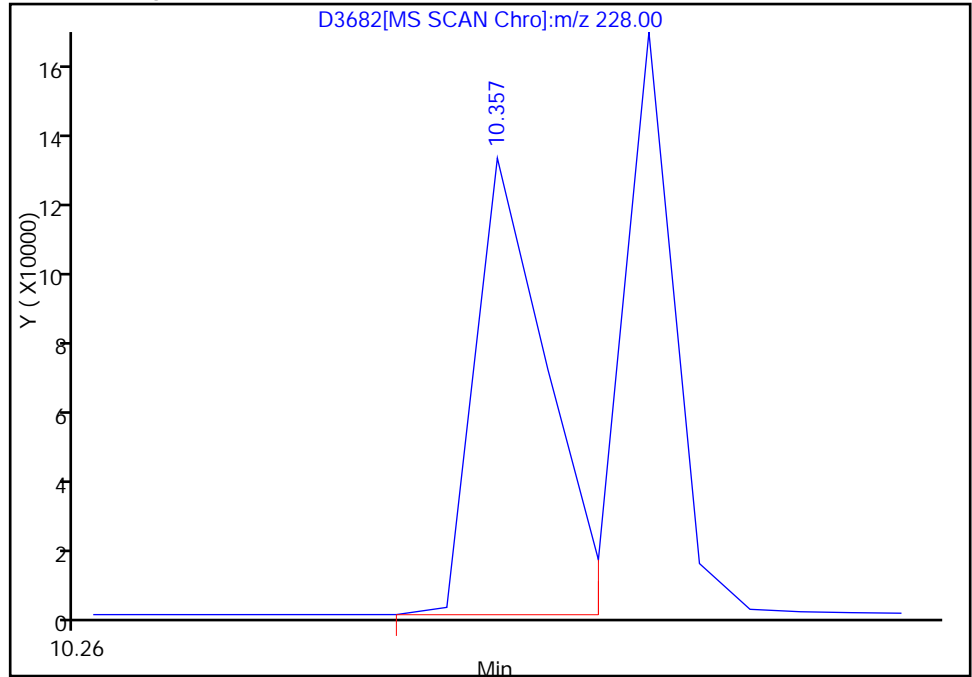
Not Detected  
Expected RT: 10.36

Processing Integration Results



Manual Integration Results

RT: 10.36  
Response: 152997  
Amount: 36.059211



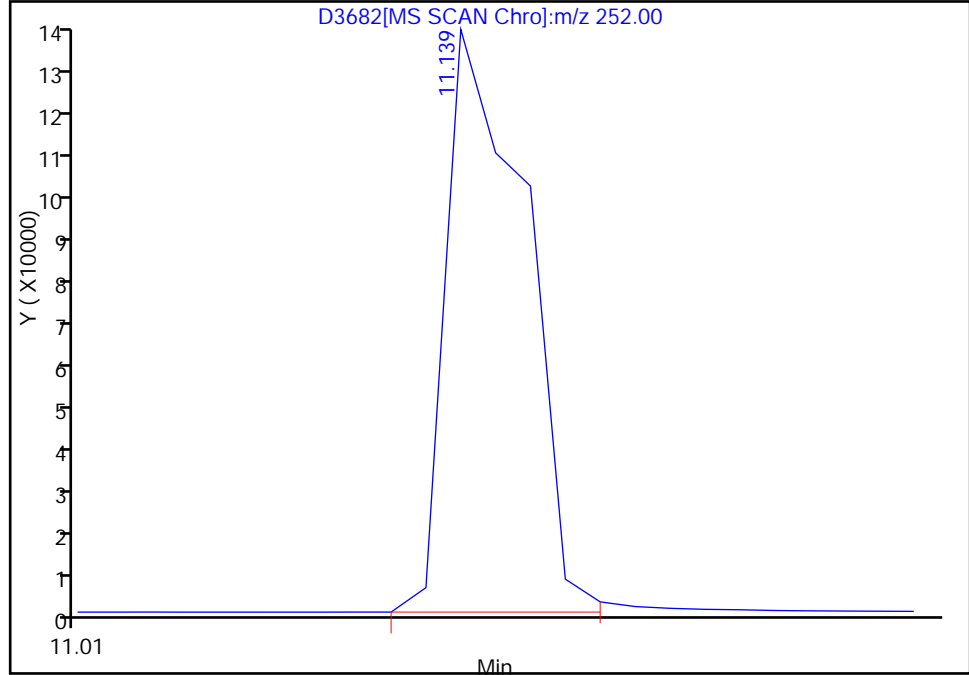
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.14

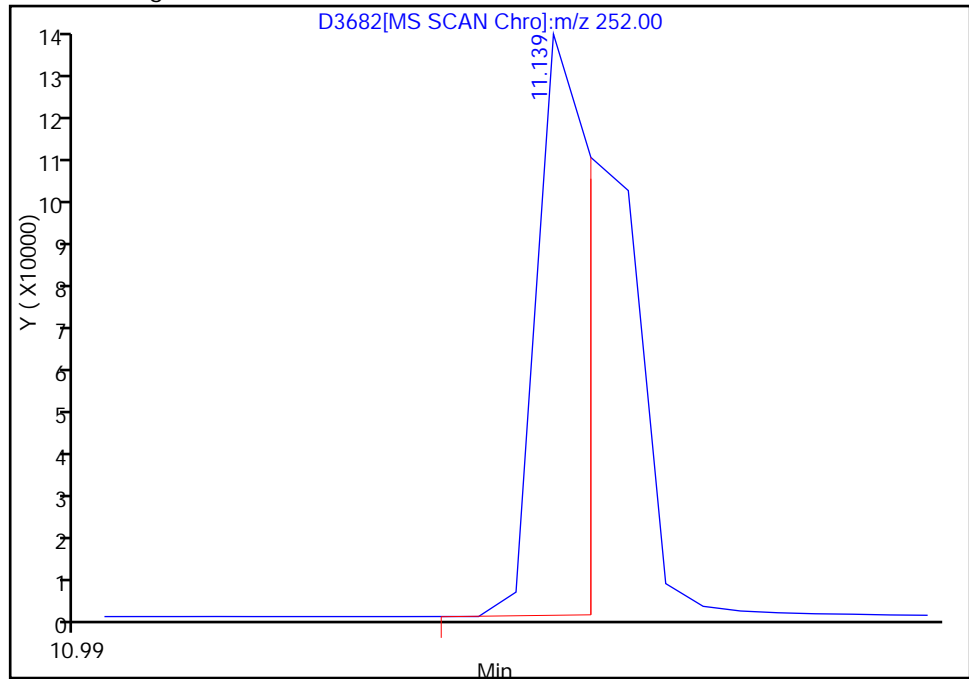
RT: 11.14  
Response: 244466  
Amount: NaN

Processing Integration Results



RT: 11.14  
Response: 169095  
Amount: 45.760771

Manual Integration Results



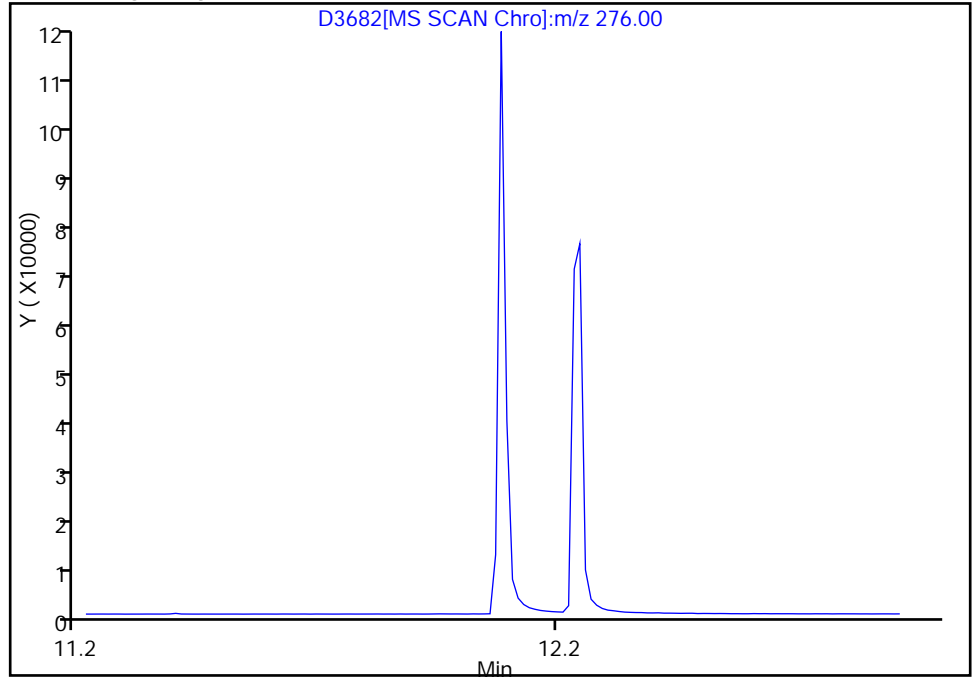
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.22

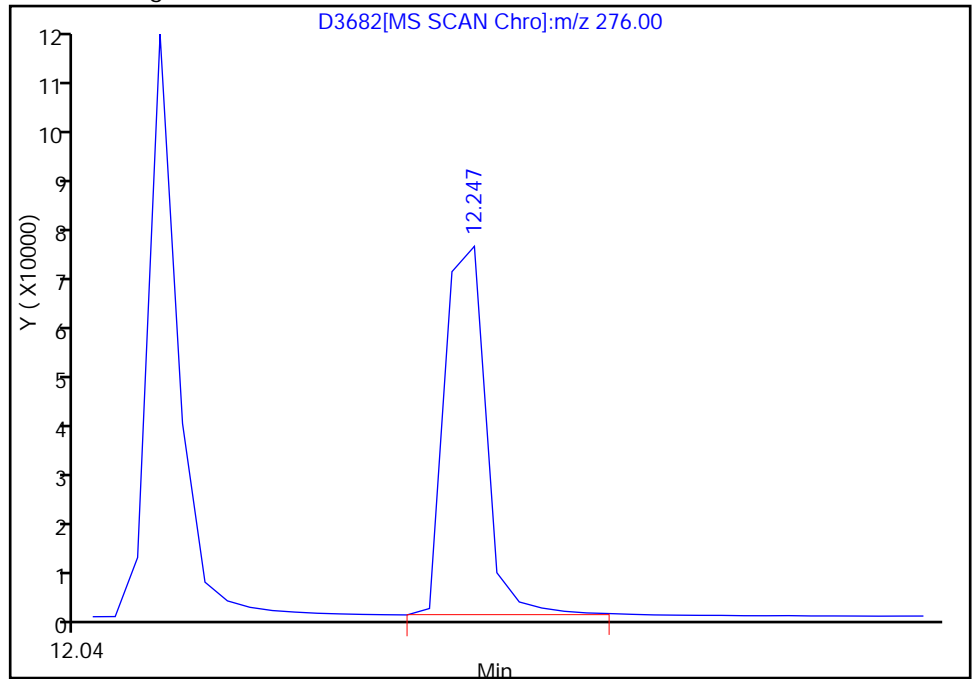
Not Detected  
Expected RT: 12.22

Processing Integration Results



RT: 12.25  
Response: 105235  
Amount: 39.302394

Manual Integration Results



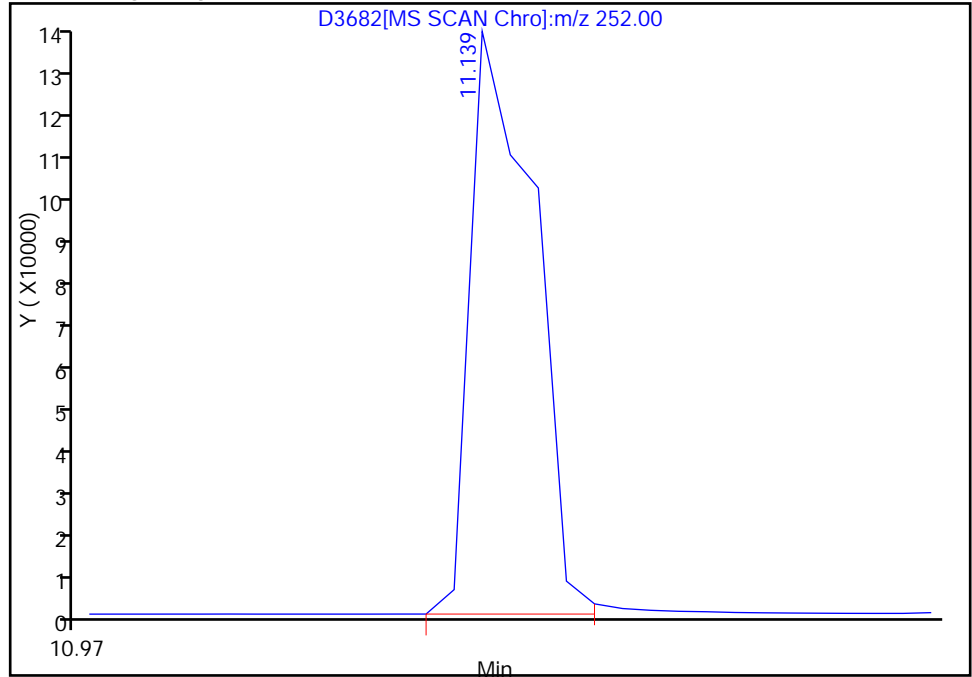
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.15

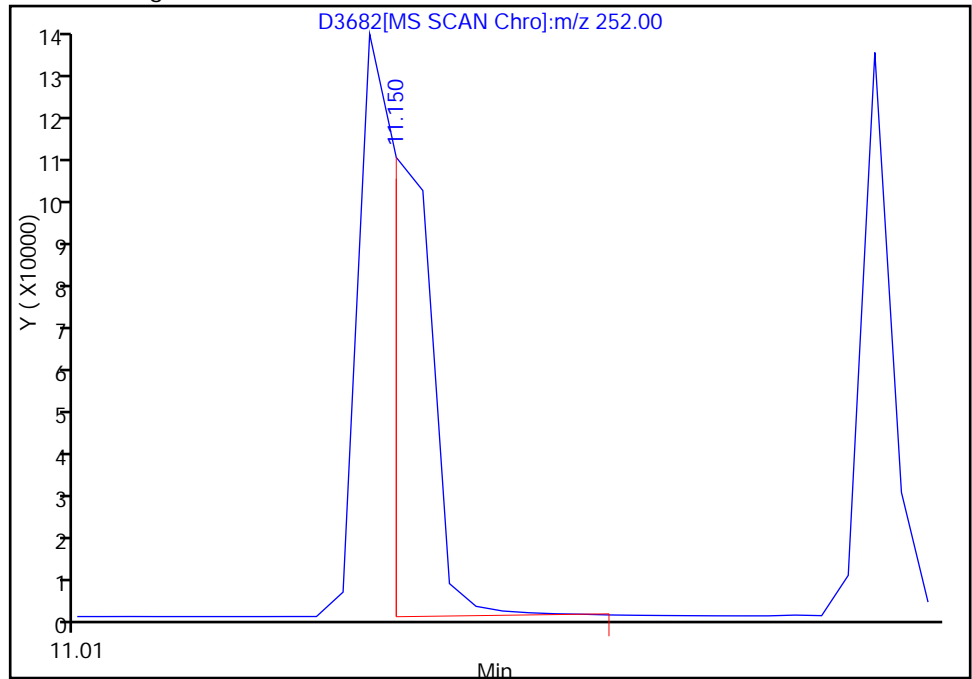
RT: 11.14  
Response: 244466  
Amount: 54.018431

Processing Integration Results



RT: 11.15  
Response: 148543  
Amount: 33.443339

Manual Integration Results



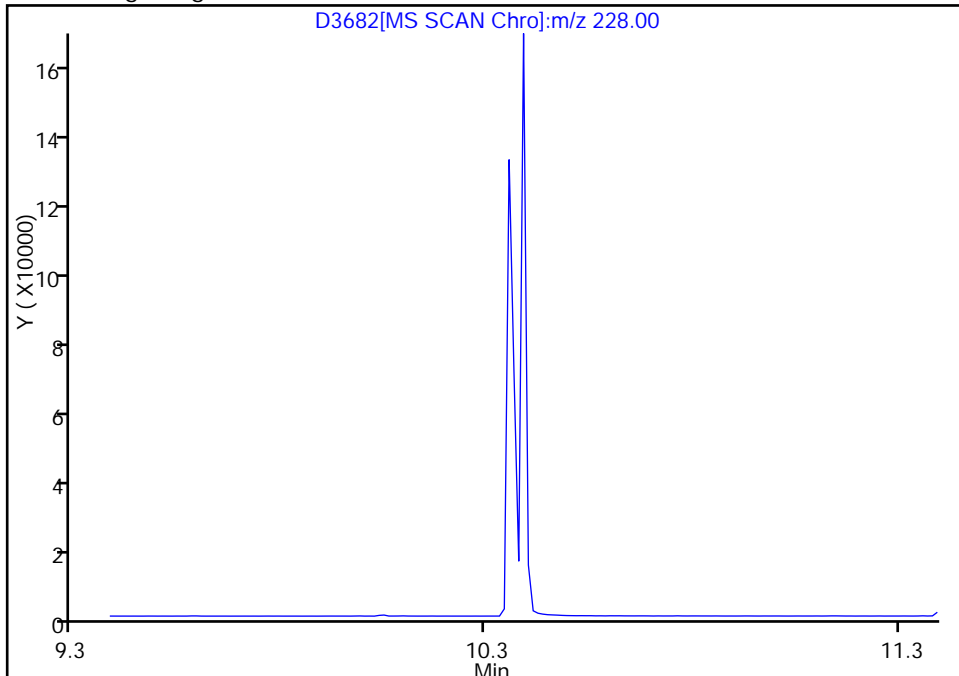
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.39

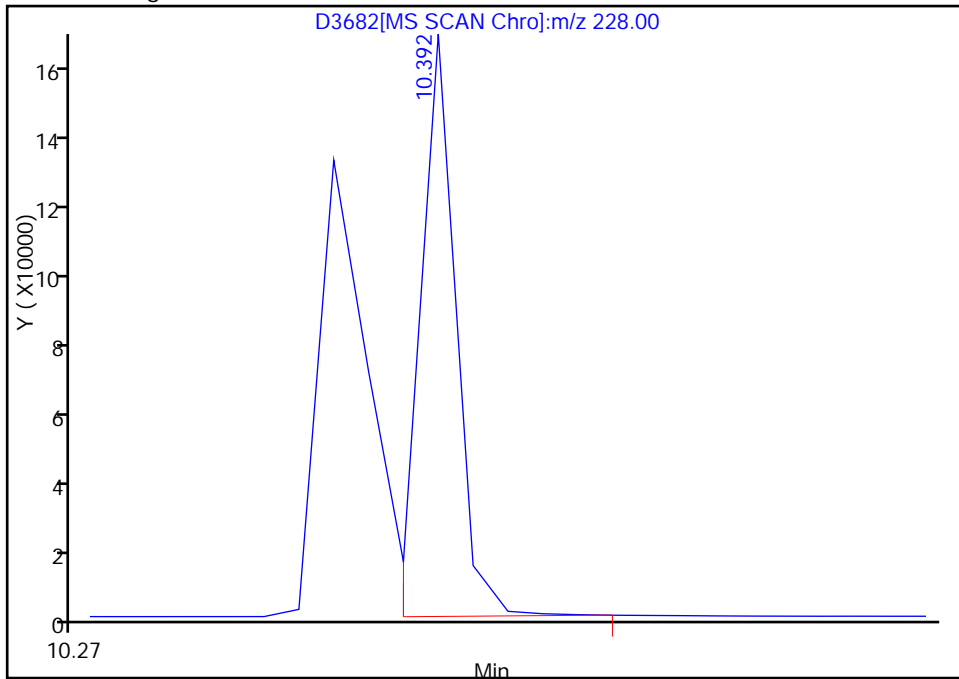
Not Detected  
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.39  
Response: 139146  
Amount: 39.466700



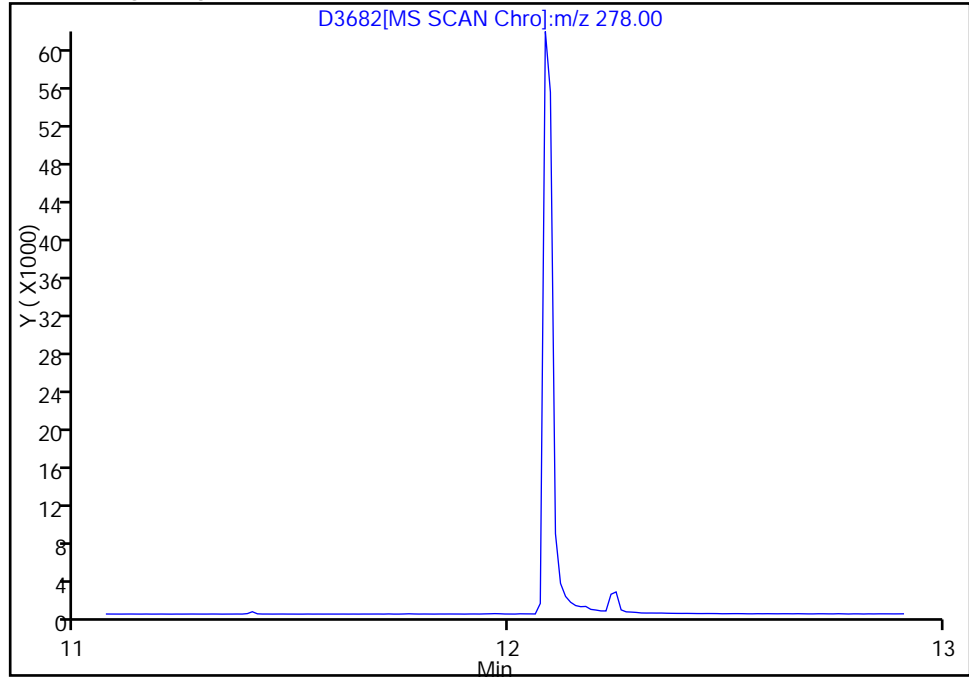
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.07

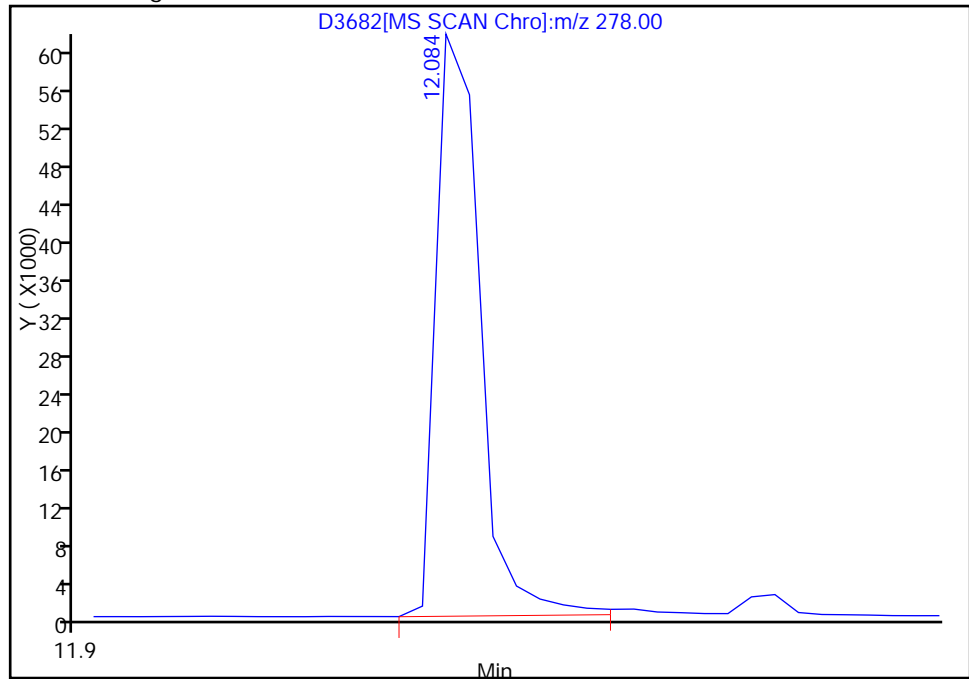
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 93056  
Amount: 36.885247



Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

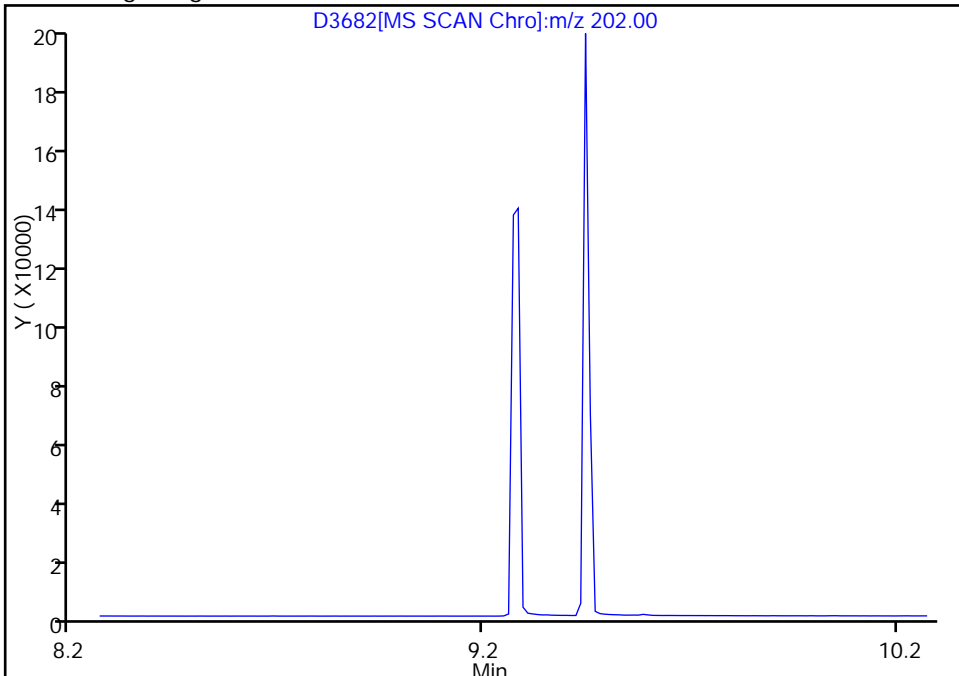


Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.27

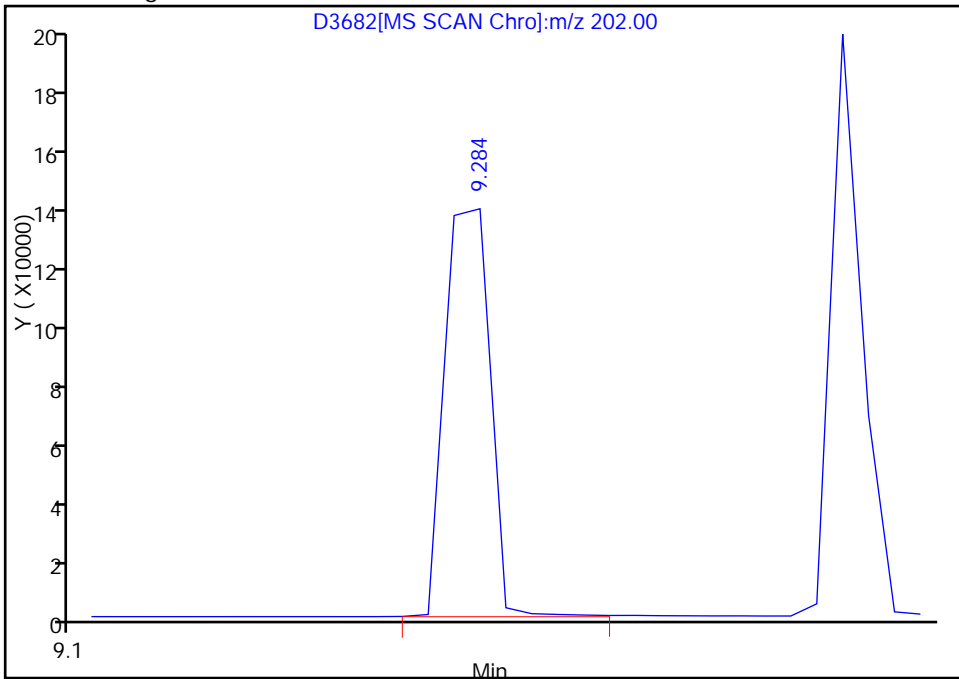
Not Detected  
Expected RT: 9.27

Processing Integration Results



Manual Integration Results

RT: 9.28  
Response: 197428  
Amount: 34.670108



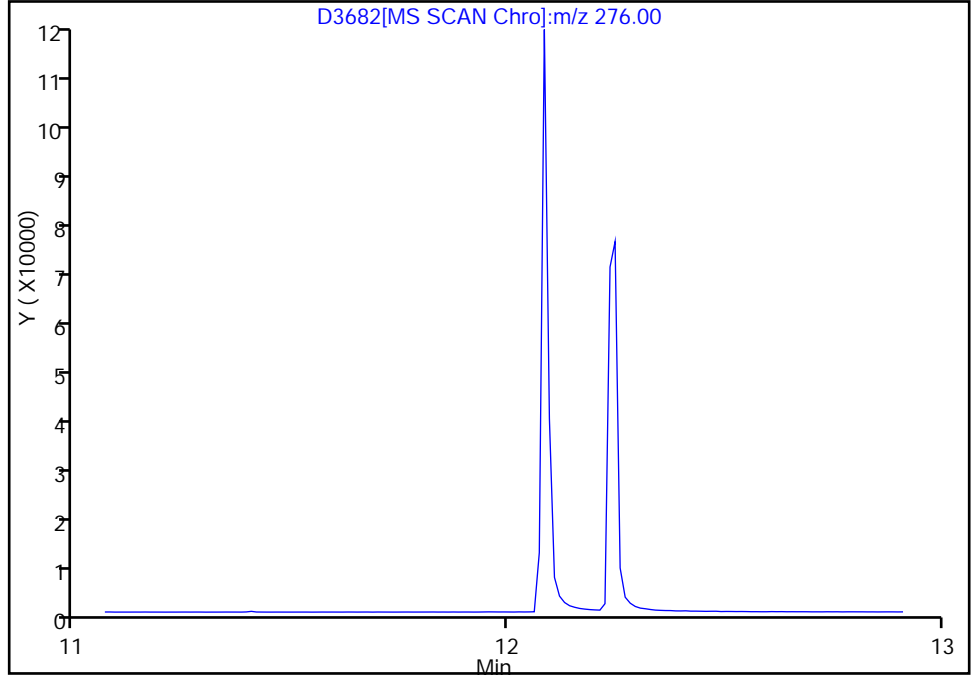
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.07

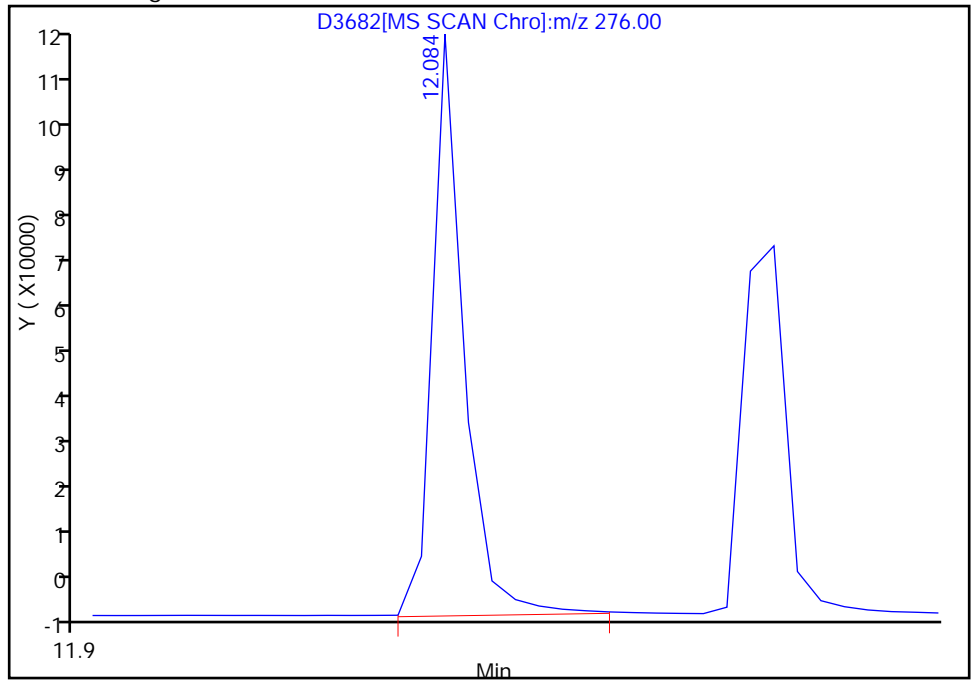
Not Detected  
Expected RT: 12.07

Processing Integration Results



Manual Integration Results

RT: 12.08  
Response: 121484  
Amount: 39.094423



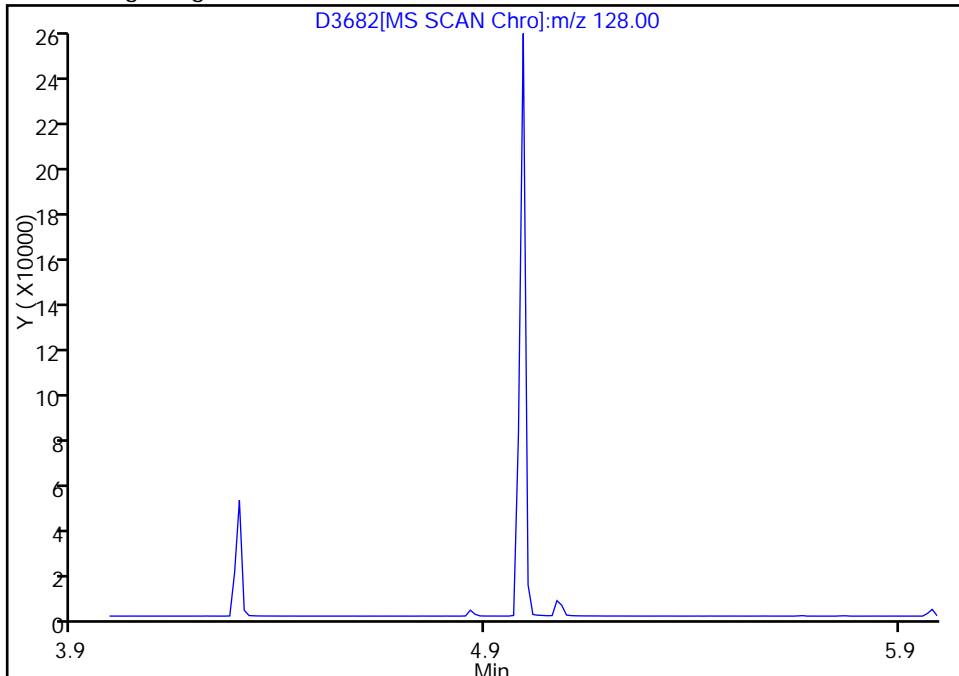
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

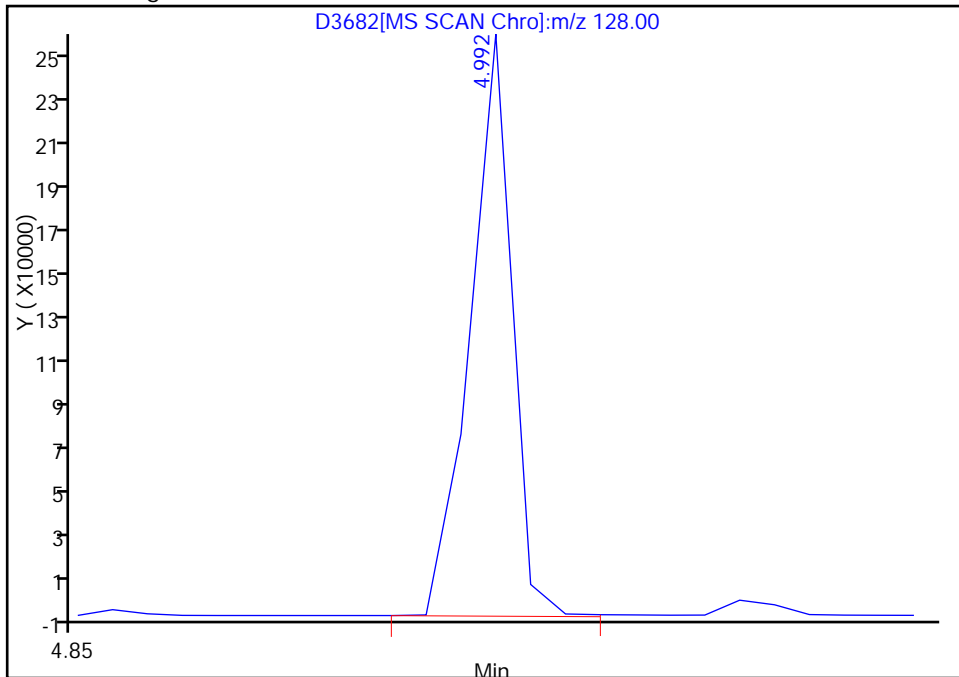
58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.99

Not Detected  
Expected RT: 4.99

Processing Integration Results



Manual Integration Results



RT: 4.99  
Response: 246320  
Amount: 31.042474

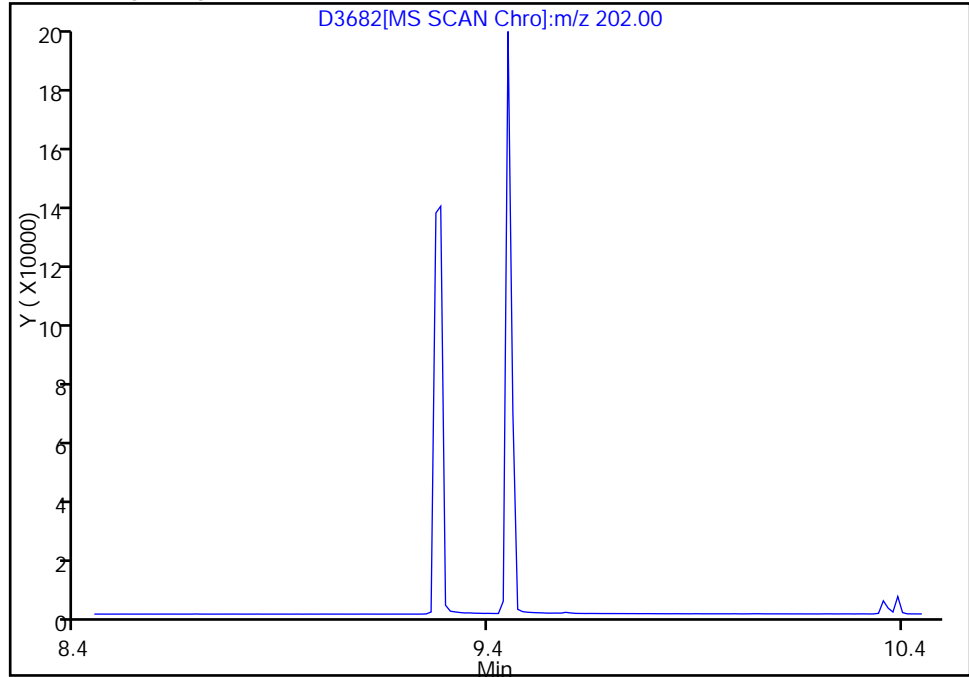
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.45

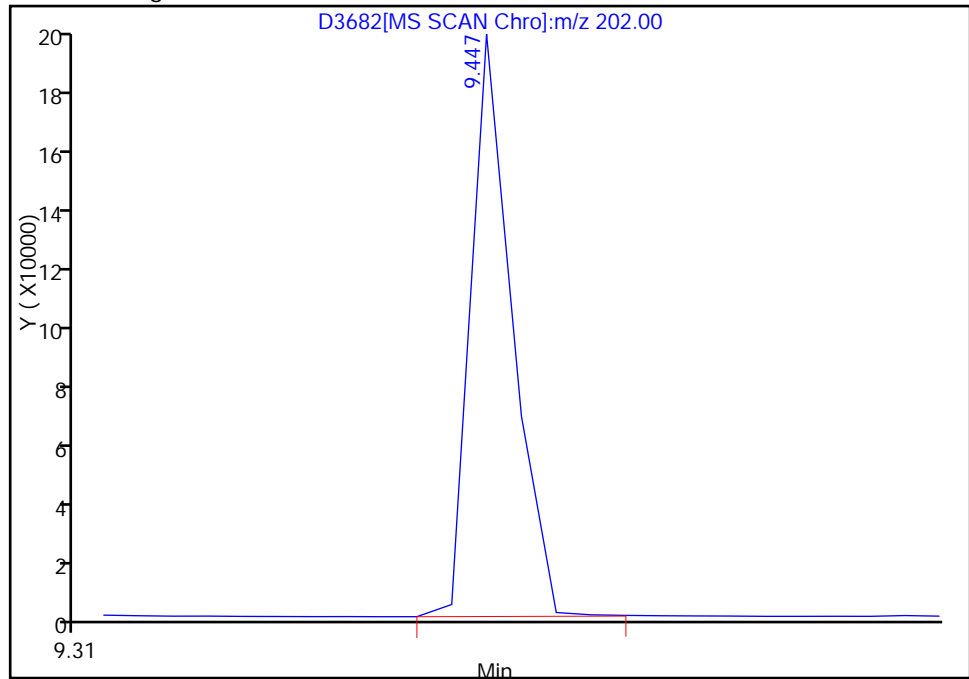
Not Detected  
Expected RT: 9.45

Processing Integration Results



Manual Integration Results

RT: 9.45  
Response: 190505  
Amount: 37.733609



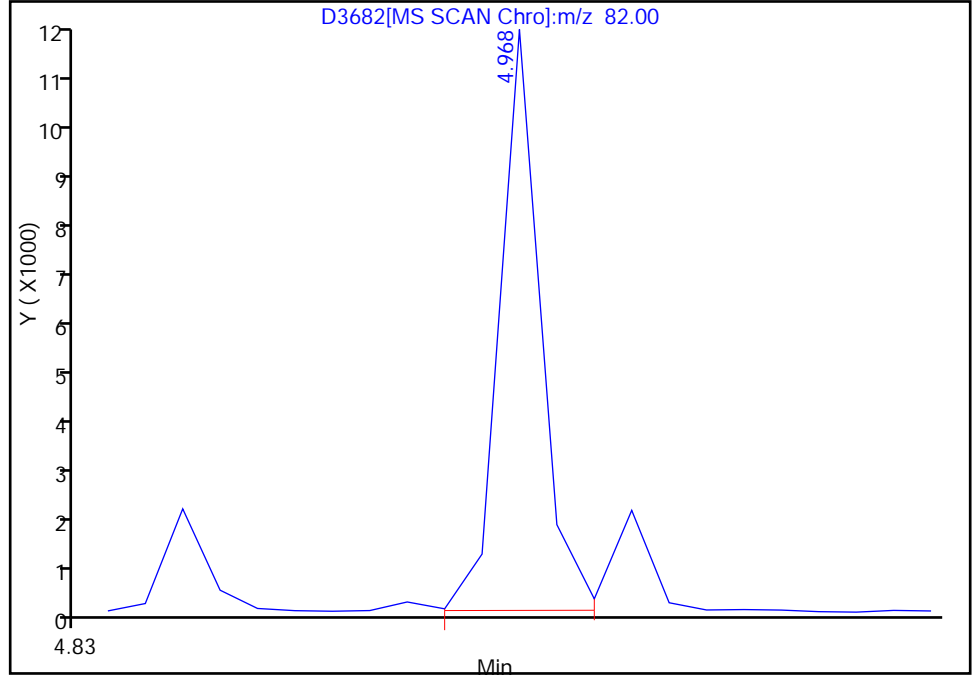
Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

Data File: \\Valsvr08\ChromData\SMSA\20120129-6247.b\D3682.D  
Injection Date: 29-Jan-2012 16:06:30 Limit Group: SMS - 1 - 8270 SIM Calibration  
Client ID: Instrument ID: SMSA  
Lims Batch ID: 93035 Lims Sample ID: 18  
Operator ID: WDS Injection Vol: 1.00 ul

\$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 4.30

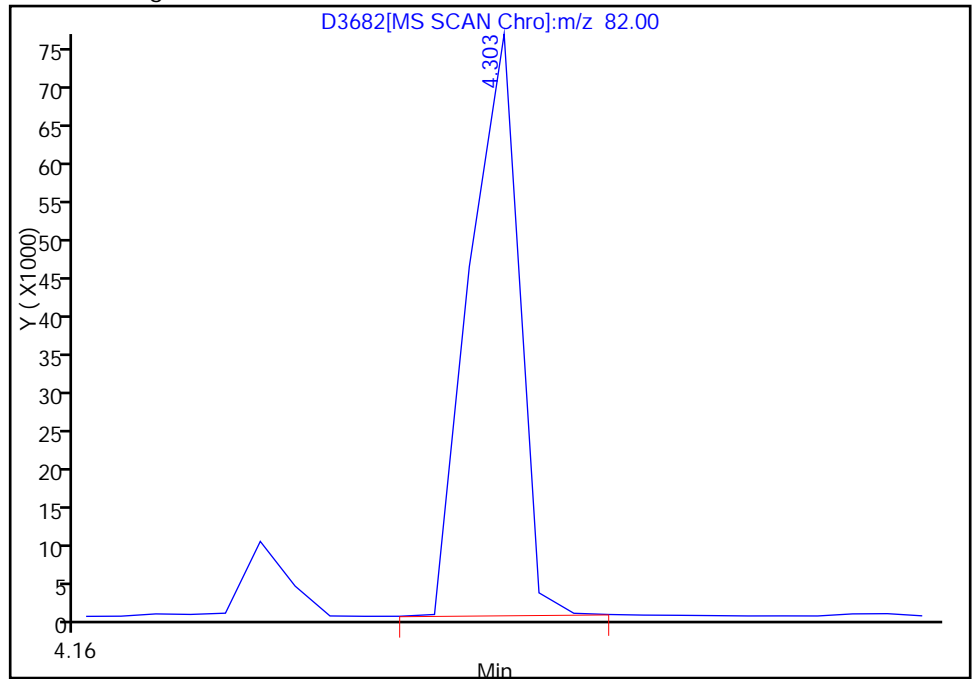
RT: 4.97  
Response: 9834  
Amount: 3.611814

Processing Integration Results



RT: 4.30  
Response: 87478  
Amount: 32.128767

Manual Integration Results



Reviewer: squiresb, 29-Jan-2012 20:25:00  
Audit Action: Manually Integrated  
Audit Reason: Assign Peak

## GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica ValparaisoJob No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: SMSAStart Date: 01/29/2012 10:57Analysis Batch Number: 93035End Date: 01/29/2012 18:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-93035/1		01/29/2012 10:57	1	D3665.D	8270/625 0.25 (mm)
SSTD 510-93035/2 IC		01/29/2012 11:11	1	D3666.D	8270/625 0.25 (mm)
SSTD001 510-93035/3 IC		01/29/2012 11:29	1	D3667.D	8270/625 0.25 (mm)
SSTD002 510-93035/4 IC		01/29/2012 11:47	1	D3668.D	8270/625 0.25 (mm)
SSTD005 510-93035/5 IC		01/29/2012 12:06	1	D3669.D	8270/625 0.25 (mm)
SSTD010 510-93035/6 IC		01/29/2012 12:24	1	D3670.D	8270/625 0.25 (mm)
SSTD020 510-93035/7 ICIS		01/29/2012 12:43	1	D3671.D	8270/625 0.25 (mm)
SSTD040 510-93035/8 IC		01/29/2012 13:01	1	D3672.D	8270/625 0.25 (mm)
SSTD080 510-93035/9 IC		01/29/2012 13:20	1	D3673.D	8270/625 0.25 (mm)
SSTD020 510-93035/12 ICV		01/29/2012 14:15	1		8270/625 0.25 (mm)
MB 510-92897/1-A		01/29/2012 14:52	1	D3678.D	8270/625 0.25 (mm)
LCS 510-92897/2-A		01/29/2012 15:10	1	D3679.D	8270/625 0.25 (mm)
510-74911-1	SB0058: TK14SW1:030040	01/29/2012 15:29	1	D3680.D	8270/625 0.25 (mm)
510-74911-1 MS	SB0058: TK14SW1:030040 MS	01/29/2012 15:47	1	D3681.D	8270/625 0.25 (mm)
510-74911-1 MSD	SB0058: TK14SW1:030040 MSD	01/29/2012 16:06	1	D3682.D	8270/625 0.25 (mm)
510-74911-2	SB0058: TK14SW2:030040	01/29/2012 16:24	1	D3683.D	8270/625 0.25 (mm)
510-74911-3	SB0058: TK14SW3:030040	01/29/2012 16:42	1	D3684.D	8270/625 0.25 (mm)
510-74911-4	SB0058: TK14SW4:030040	01/29/2012 17:01	1	D3685.D	8270/625 0.25 (mm)
510-74911-5	SB0058: TK14FLR1:050055	01/29/2012 17:19	1	D3686.D	8270/625 0.25 (mm)
510-74911-6	SB0058: TK14FLR2:050055	01/29/2012 17:38	1	D3687.D	8270/625 0.25 (mm)
510-74911-7	SB0058: TK14:Field Duplicate	01/29/2012 17:56	1	D3688.D	8270/625 0.25 (mm)
510-74911-8	SB0058: TK14:Stockpile	01/29/2012 18:14	1	D3689.D	8270/625 0.25 (mm)
ZZZZZ		01/29/2012 18:51	1		8270/625 0.25 (mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 92897 Batch Start Date: 01/26/12 08:11 Batch Analyst: Page, Sarah N

Batch Method: 3546 Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00041	MSBSurr 00032		
MB 510-92897/1		3546, 8270C SIM		30 g	1 mL		500 uL		
LCS 510-92897/2		3546, 8270C SIM		30 g	1 mL	500 uL	500 uL		
510-74911-H-1	SB0058: TK14SW1:030040	3546, 8270C SIM	T	30.02 g	1 mL		500 uL		
510-74911-H-1 MS	SB0058: TK14SW1:030040	3546, 8270C SIM	T	30.18 g	1 mL	500 uL	500 uL		
510-74911-H-1 MSD	SB0058: TK14SW1:030040	3546, 8270C SIM	T	30.17 g	1 mL	500 uL	500 uL		
510-74911-H-2	SB0058: TK14SW2:030040	3546, 8270C SIM	T	30.41 g	1 mL		500 uL		
510-74911-H-3	SB0058: TK14SW3:030040	3546, 8270C SIM	T	30.02 g	1 mL		500 uL		
510-74911-H-4	SB0058: TK14SW4:030040	3546, 8270C SIM	T	30.10 g	1 mL		500 uL		
510-74911-H-5	SB0058: TK14FLR1:050055	3546, 8270C SIM	T	30.57 g	1 mL		500 uL		
510-74911-H-6	SB0058: TK14FLR2:050055	3546, 8270C SIM	T	30.32 g	1 mL		500 uL		
510-74911-H-7	SB0058: TK14:Field Duplicate	3546, 8270C SIM	T	30.55 g	1 mL		500 uL		
510-74911-H-8	SB0058: TK14:Stockpile	3546, 8270C SIM	T	30.30 g	1 mL		500 uL		

Batch Notes	
Balance ID	37912
Filter Paper Lot Number	rlka09236
MeCL2 Lot #	dcm_00065
Microwave Start Time	1350
Microwave Stop Time	1415
Na2SO4 Lot Number	opna2so4_00022
Ottawa Sand Lot #	opsand_00008
Person's name who did the prep	Sarah page
Water Bath Temperature	35, 40

Basis	Basis Description
T	Total/NA

# 8015B\_GRO

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Gasoline Range Organics - (GC) by  
Method 8015B



FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low

GC Column (1): DB624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TFT1 #	BFB1 #
SB0058: TK14SW1:030040	510-74911-1	92	96
SB0058: TK14SW2:030040	510-74911-2	91	92
SB0058: TK14SW3:030040	510-74911-3	86	91
SB0058: TK14SW4:030040	510-74911-4	93	98
SB0058: TK14FLR2:050055	510-74911-6	92	95
SB0058: TK14:Field Duplicate	510-74911-7	86	81
SB0058: TK14:Stockpile	510-74911-8	89	91
	MB 500-139321/3	102	109
	LCS 500-139321/4	104	112
	LCSD 500-139321/12	100	107

TFT = a,a,a-Trifluorotoluene  
BFB = 4-Bromofluorobenzene

QC LIMITS  
64-116  
51-117

# Column to be used to flag recovery values

FORM II 8015B

FORM II  
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium

GC Column (1): DB624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TFT1 #	BFB1 #
SB0058: TK14FLR1:050055	510-74911-5	101	107
	MB 500-139318/3	102	106
	LCS 500-139318/4	105	111
SB0058: TK14FLR1:050055 MS	510-74911-5 MS	102	108
SB0058: TK14FLR1:050055 MSD	510-74911-5 MSD	102	108

TFT = a,a,a-Trifluorotoluene  
BFB = 4-Bromofluorobenzene

QC LIMITS  
70-130  
70-130

# Column to be used to flag recovery values

FORM III  
 GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: 01271214\_004.d

Lab ID: LCS 500-139318/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C12	20.0	22.2	111	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
 GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: 01271214\_012.d

Lab ID: LCS 500-139321/4 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C12	0.400	0.442	111	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
 GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Low Lab File ID: 01271214\_020.d

Lab ID: LCSO 500-139321/12 Client ID: \_\_\_\_\_

COMPOUND	SPIKE ADDED (mg/Kg)	LCSO CONCENTRATION (mg/Kg)	LCSO % REC	% RPD	QC LIMITS		#
					RPD	REC	
C5-C12	0.400	0.429	107	3	30	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: 01271214\_006.d

Lab ID: 510-74911-5 MS Client ID: SB0058: TK14FLR1:050055 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C5-C12	43.3	7.4	55.4	111	70-130	

# Column to be used to flag recovery and RPD values

FORM III  
 GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Matrix: Solid Level: Medium Lab File ID: 01271214\_007.d

Lab ID: 510-74911-5 MSD Client ID: SB0058: TK14FLR1:050055 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS		#
					RPD	REC	
C5-C12	43.3	53.9	108	3	30	70-130	

# Column to be used to flag recovery and RPD values

FORM IV  
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: MB 500-139318/3  
 Matrix: Solid Date Extracted: \_\_\_\_\_  
 Lab File ID: (1) 01271214\_003.d Lab File ID: (2) \_\_\_\_\_  
 Date Analyzed: (1) 01/27/2012 09:20 Date Analyzed: (2) \_\_\_\_\_  
 Instrument ID: (1) INST13-14 Instrument ID: (2) \_\_\_\_\_  
 GC Column: (1) DB624 ID: 0.2 (mm) GC Column: (2) \_\_\_\_\_ ID: \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 500-139318/4	01/27/2012 09:55	
SB0058: TK14FLR1:050055	510-74911-5	01/27/2012 10:31	
SB0058: TK14FLR1:050055 MS	510-74911-5 MS	01/27/2012 11:06	
SB0058: TK14FLR1:050055 MSD	510-74911-5 MSD	01/27/2012 11:42	



FORM IV  
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: MB 500-139321/3  
 Matrix: Solid Date Extracted: \_\_\_\_\_  
 Lab File ID: (1) 01271214\_011.d Lab File ID: (2) \_\_\_\_\_  
 Date Analyzed: (1) 01/27/2012 14:04 Date Analyzed: (2) \_\_\_\_\_  
 Instrument ID: (1) INST13-14 Instrument ID: (2) \_\_\_\_\_  
 GC Column: (1) DB624 ID: 0.2 (mm) GC Column: (2) \_\_\_\_\_ ID: \_\_\_\_\_

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 500-139321/4	01/27/2012 14:39	
SB0058: TK14SW1:030040	510-74911-1	01/27/2012 15:15	
SB0058: TK14SW2:030040	510-74911-2	01/27/2012 15:50	
SB0058: TK14SW3:030040	510-74911-3	01/27/2012 16:26	
SB0058: TK14SW4:030040	510-74911-4	01/27/2012 17:01	
SB0058: TK14FLR2:050055	510-74911-6	01/27/2012 17:37	
SB0058: TK14:Field Duplicate	510-74911-7	01/27/2012 18:12	
SB0058: TK14:Stockpile	510-74911-8	01/27/2012 18:48	
	LCSD 500-139321/12	01/27/2012 19:23	

FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW1:030040 Lab Sample ID: 510-74911-1  
 Matrix: Solid Lab File ID: 01271214\_013.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 09:00  
 Sample wt/vol: 5.7126(g) Date Analyzed: 01/27/2012 15:15  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 3.8 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.037		0.018	0.0070

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	96		51-117
98-08-8	a,a,a-Trifluorotoluene	92		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_013.d  
 Lims ID: 510-74911-D-1-A Client ID: SB0058: TK14SW1:030040  
 Inject. Date: 27-Jan-2012 15:15:05 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-1-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 5  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.823	11.820	0.003	8584	18.3	
A 5 C5-C12	14.726	4.503 - 24.948		326764	41.0	
\$ 3 4-Bromofluorobenzene	19.408	19.410	-0.002	9435	19.2	

Report Date: 28-Jan-2012 00:36:38

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_013.d

Injection Date: 27-Jan-2012 15:15:05

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW1:030040

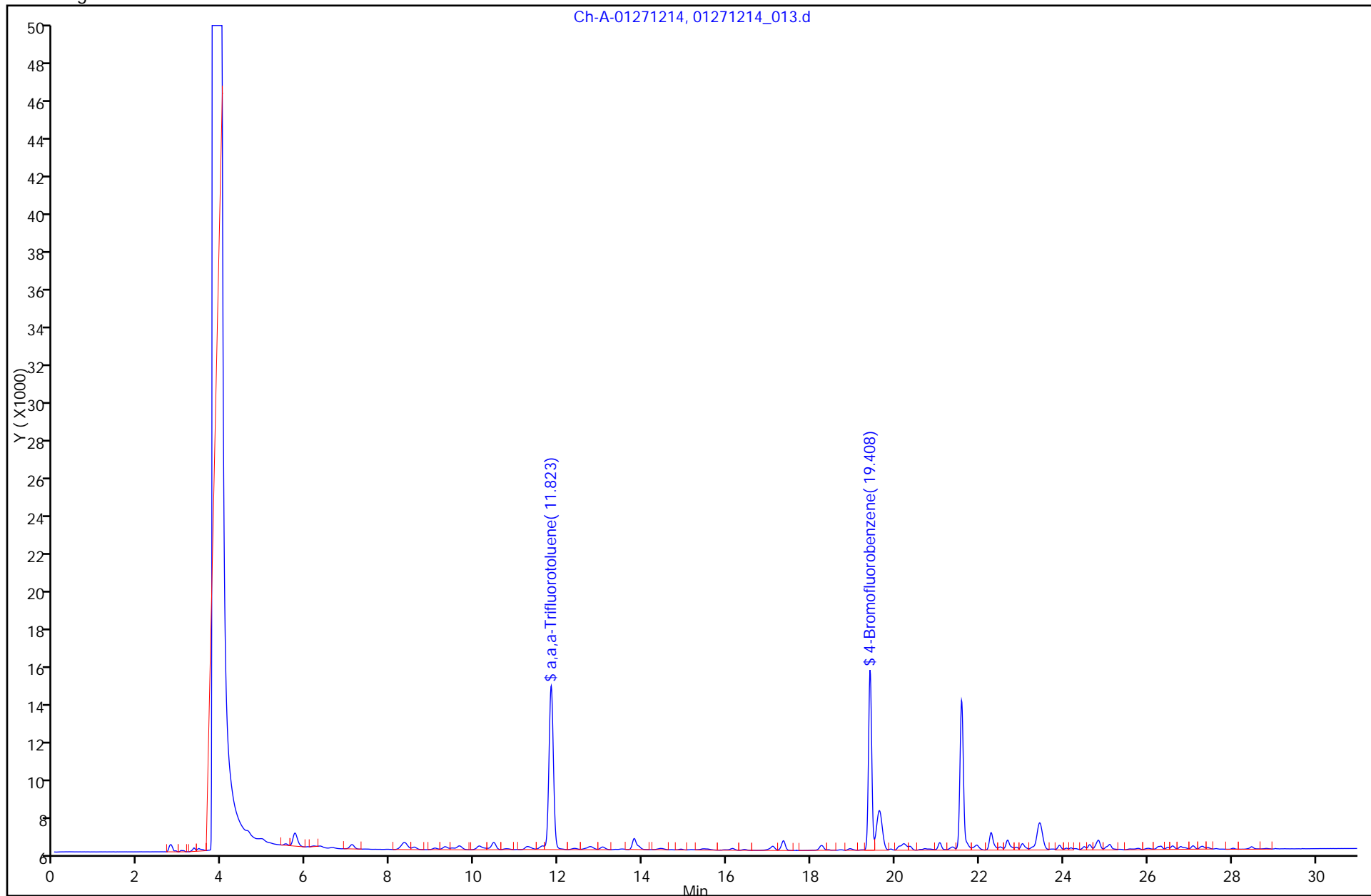
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:36:38

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_013.d

Injection Date: 27-Jan-2012 15:15:05

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW1:030040

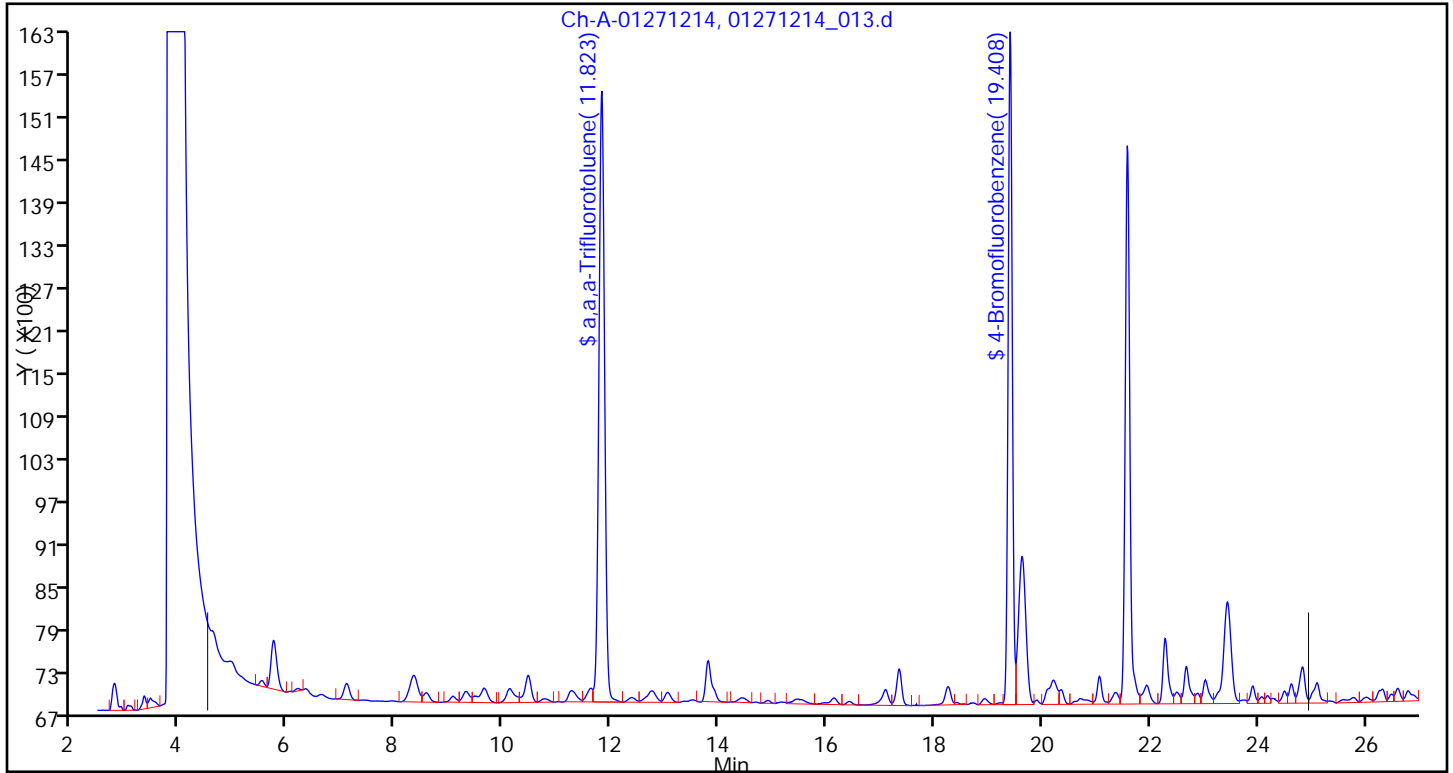
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 5

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW2:030040 Lab Sample ID: 510-74911-2  
 Matrix: Solid Lab File ID: 01271214\_014.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 09:10  
 Sample wt/vol: 4.9365(g) Date Analyzed: 01/27/2012 15:50  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 5.0 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.049		0.021	0.0082

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	92		51-117
98-08-8	a,a,a-Trifluorotoluene	91		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_014.d  
 Lims ID: 510-74911-D-2-A Client ID: SB0058: TK14SW2:030040  
 Inject. Date: 27-Jan-2012 15:50:39 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-2-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 6  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.820	0.005	8540	18.2	
A 5 C5-C12	14.726	4.503 - 24.948		359234	45.7	
\$ 3 4-Bromofluorobenzene	19.408	19.410	-0.002	9080	18.5	

Report Date: 28-Jan-2012 00:36:38

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_014.d

Injection Date: 27-Jan-2012 15:50:39

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW2:030040

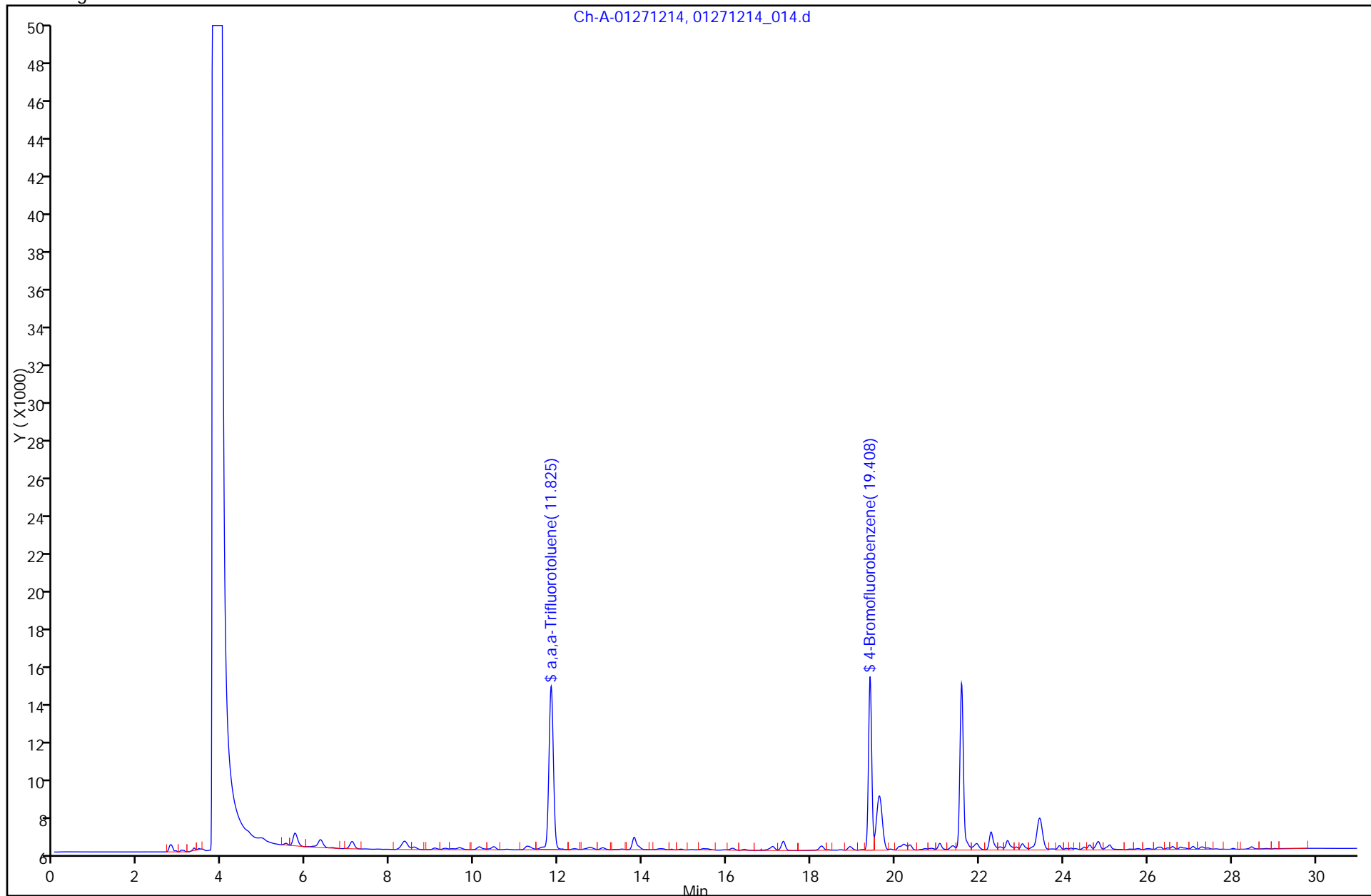
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 6

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value





Report Date: 28-Jan-2012 00:36:38

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_014.d

Injection Date: 27-Jan-2012 15:50:39

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW2:030040

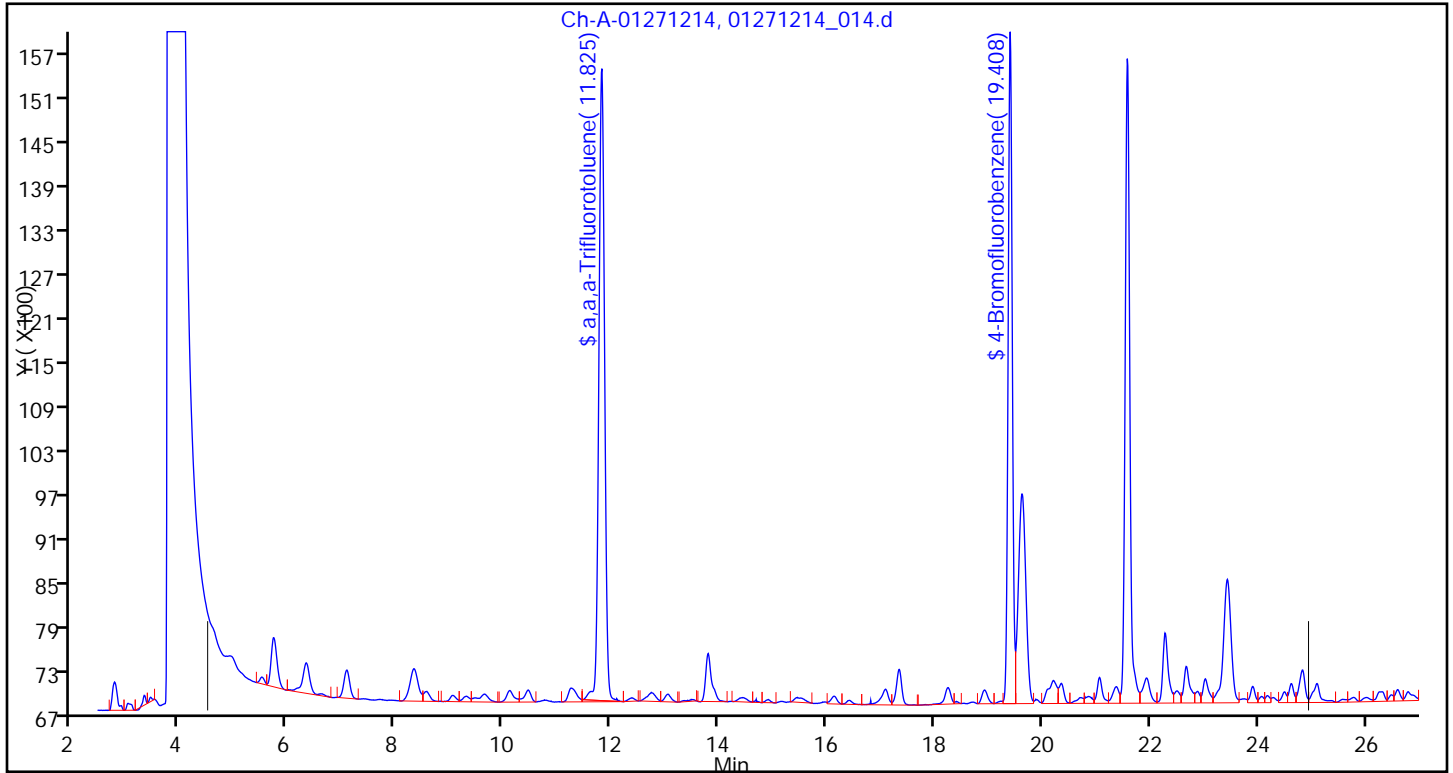
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 6

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW3:030040 Lab Sample ID: 510-74911-3  
 Matrix: Solid Lab File ID: 01271214\_015.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 09:25  
 Sample wt/vol: 5.0388(g) Date Analyzed: 01/27/2012 16:26  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 8.4 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	<0.022		0.022	0.0083

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	91		51-117
98-08-8	a,a,a-Trifluorotoluene	86		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_015.d  
 Lims ID: 510-74911-D-3-A Client ID: SB0058: TK14SW3:030040  
 Inject. Date: 27-Jan-2012 16:26:12 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-3-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 7  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.820	0.005	8083	17.2	
A 5 C5-C12	14.726	4.503 - 24.948		177174	19.5	
\$ 3 4-Bromofluorobenzene	19.409	19.410	-0.001	8957	18.2	

Report Date: 28-Jan-2012 00:36:39

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_015.d

Injection Date: 27-Jan-2012 16:26:12

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW3:030040

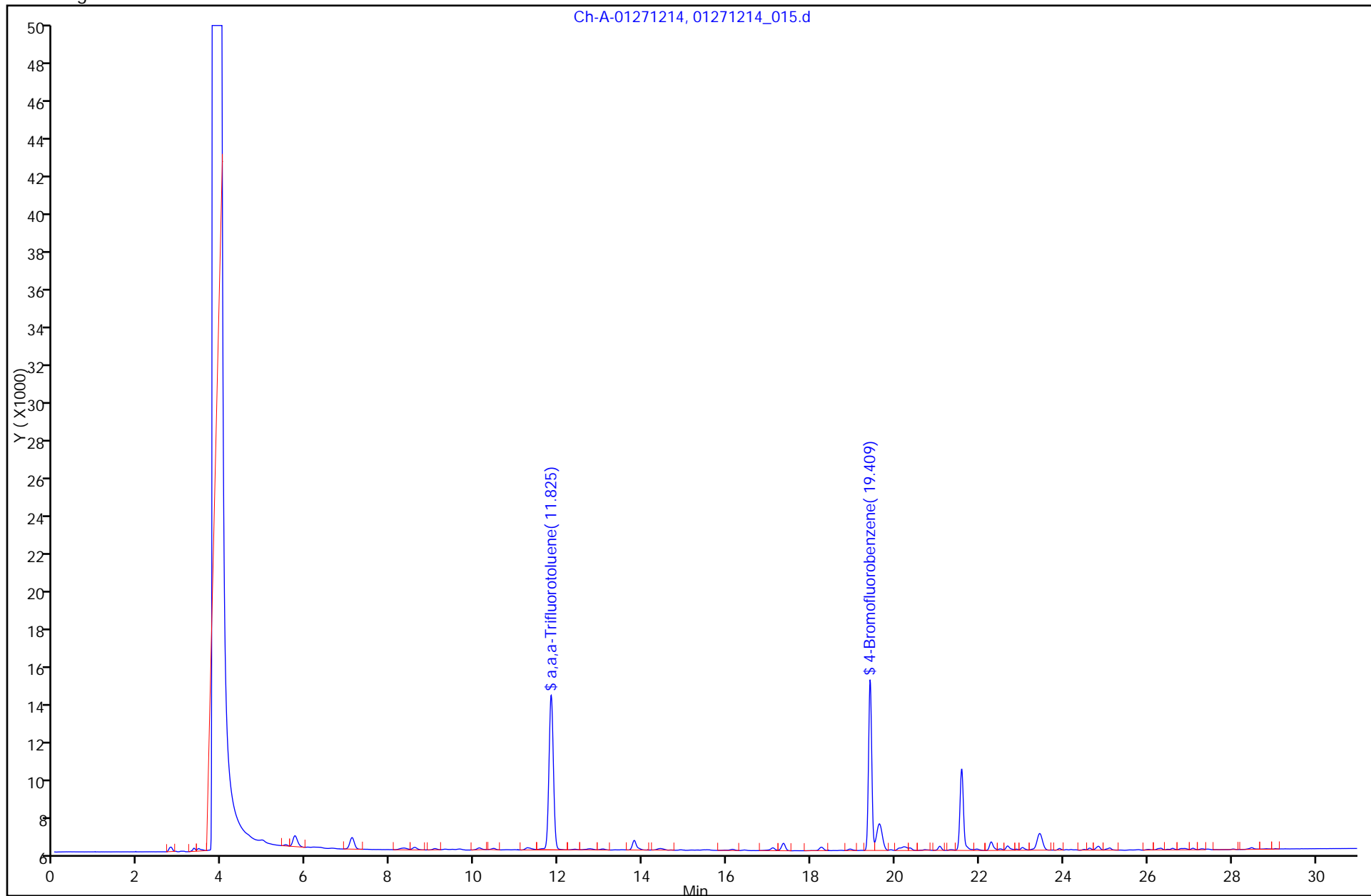
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 7

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14SW4:030040 Lab Sample ID: 510-74911-4  
 Matrix: Solid Lab File ID: 01271214\_016.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 09:40  
 Sample wt/vol: 5.353(g) Date Analyzed: 01/27/2012 17:01  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 5.2 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.030		0.020	0.0076

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		51-117
98-08-8	a,a,a-Trifluorotoluene	93		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_016.d  
 Lims ID: 510-74911-D-4-A Client ID: SB0058: TK14SW4:030040  
 Inject. Date: 27-Jan-2012 17:01:43 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-4-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 8  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.820	0.005	8778	18.7	
A 5 C5-C12	14.726	4.503 - 24.948		251791	30.2	
\$ 3 4-Bromofluorobenzene	19.411	19.410	0.001	9665	19.7	

Report Date: 28-Jan-2012 00:36:40

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_016.d

Injection Date: 27-Jan-2012 17:01:43

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW4:030040

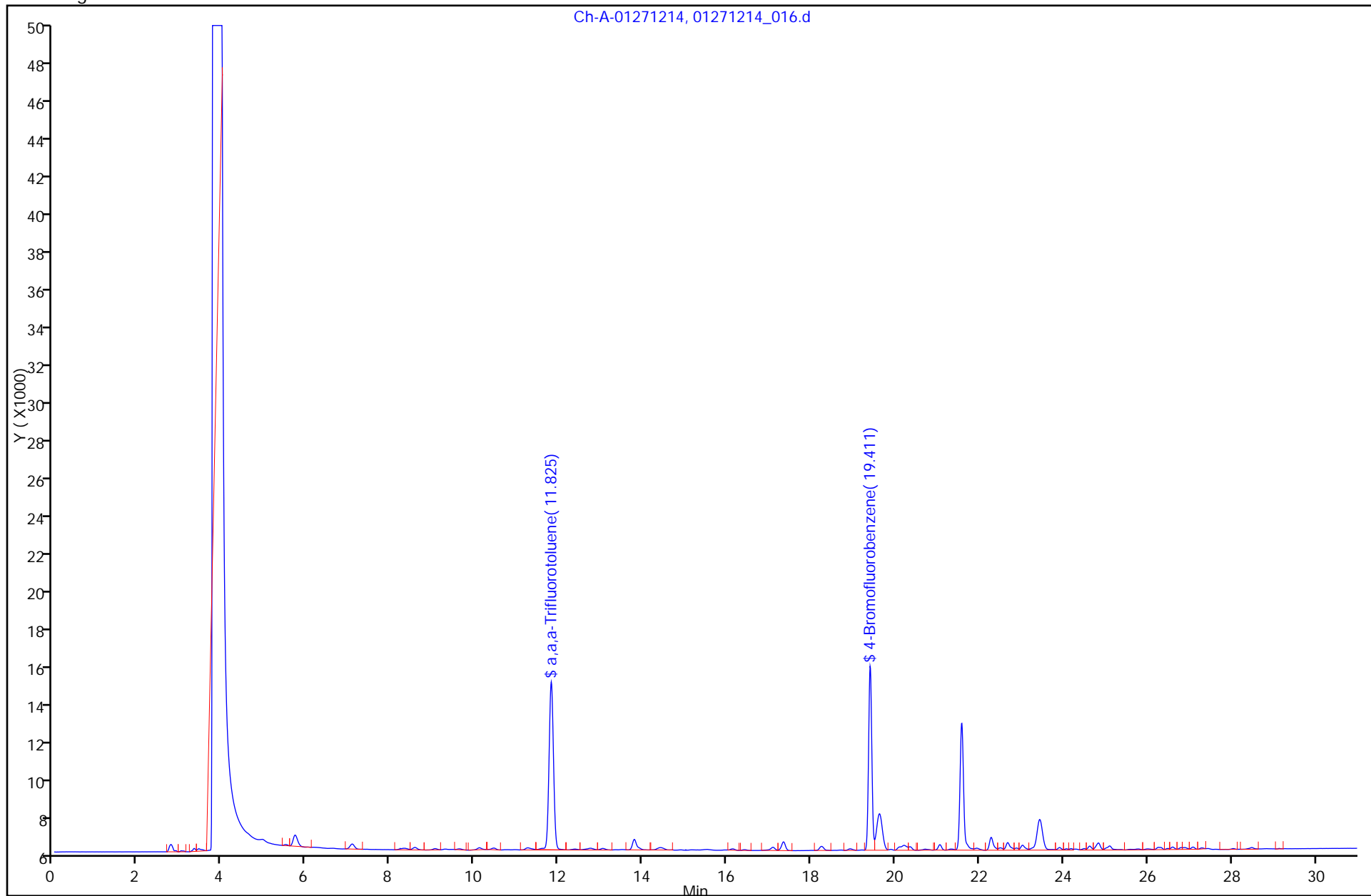
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:36:40

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_016.d

Injection Date: 27-Jan-2012 17:01:43

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14SW4:030040

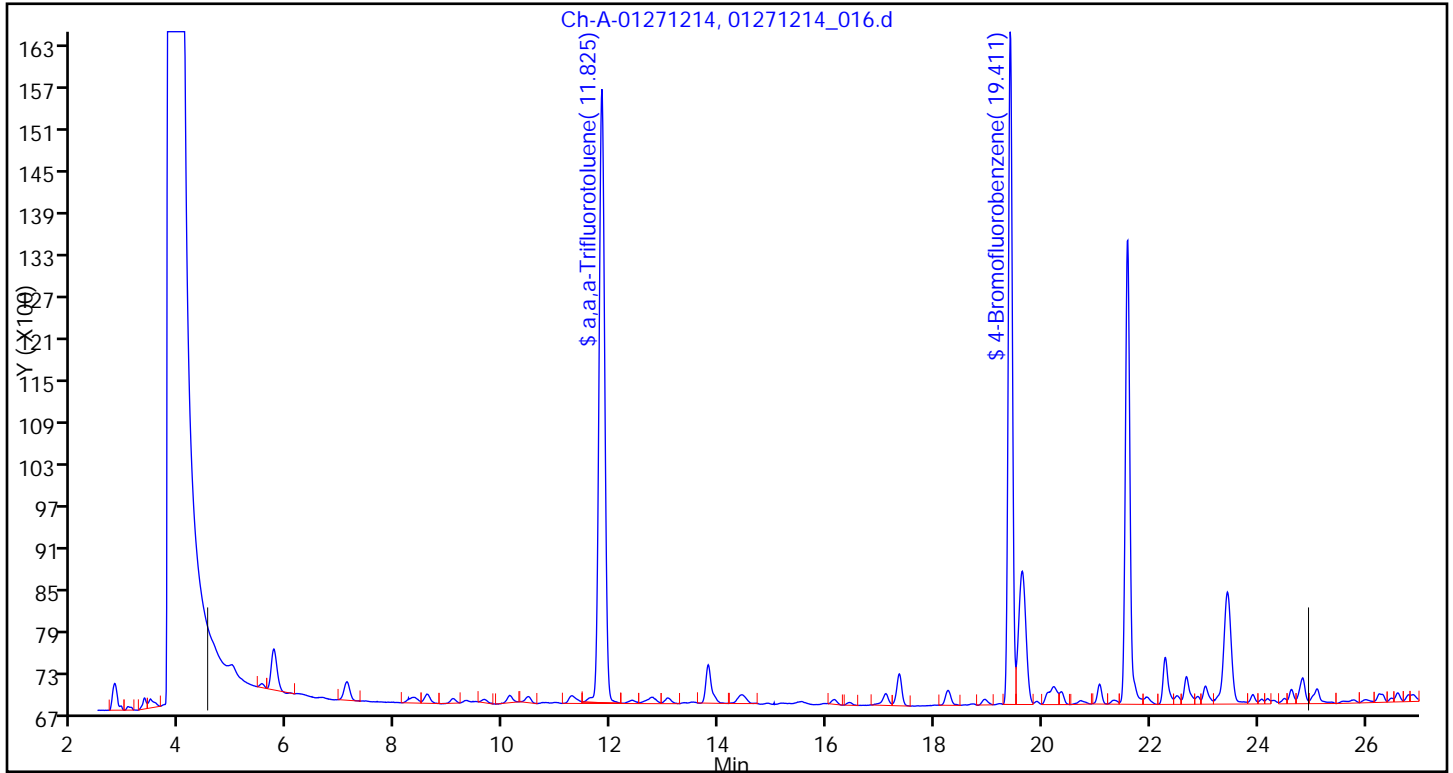
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 8

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011





FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR1:050055 Lab Sample ID: 510-74911-5  
 Matrix: Solid Lab File ID: 01271214\_005.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 10:00  
 Sample wt/vol: 4.802(g) Date Analyzed: 01/27/2012 10:31  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 3.7 Level: (low/med) Medium  
 Analysis Batch No.: 139318 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	7.4		2.2	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		70-130
98-08-8	a,a,a-Trifluorotoluene	101		70-130

TestAmerica Laboratories  
 Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_005.d  
 Lims ID: 510-74911-F-5-A Client ID: SB0058: TK14FLR1:050055  
 Inject. Date: 27-Jan-2012 10:31:06 Dil. Factor: 50.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14m,510-74911-F-5-A,50  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 5  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.844	-0.011	9683	20.2	
A 5 C5-C12	14.753	4.543 - 24.962		524091	68.4	
\$ 3 4-Bromofluorobenzene	19.417	19.428	-0.011	10004	21.3	

Report Date: 28-Jan-2012 00:31:19

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_005.d

Injection Date: 27-Jan-2012 10:31:06

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID: SB0058: TK14FLR1:050055

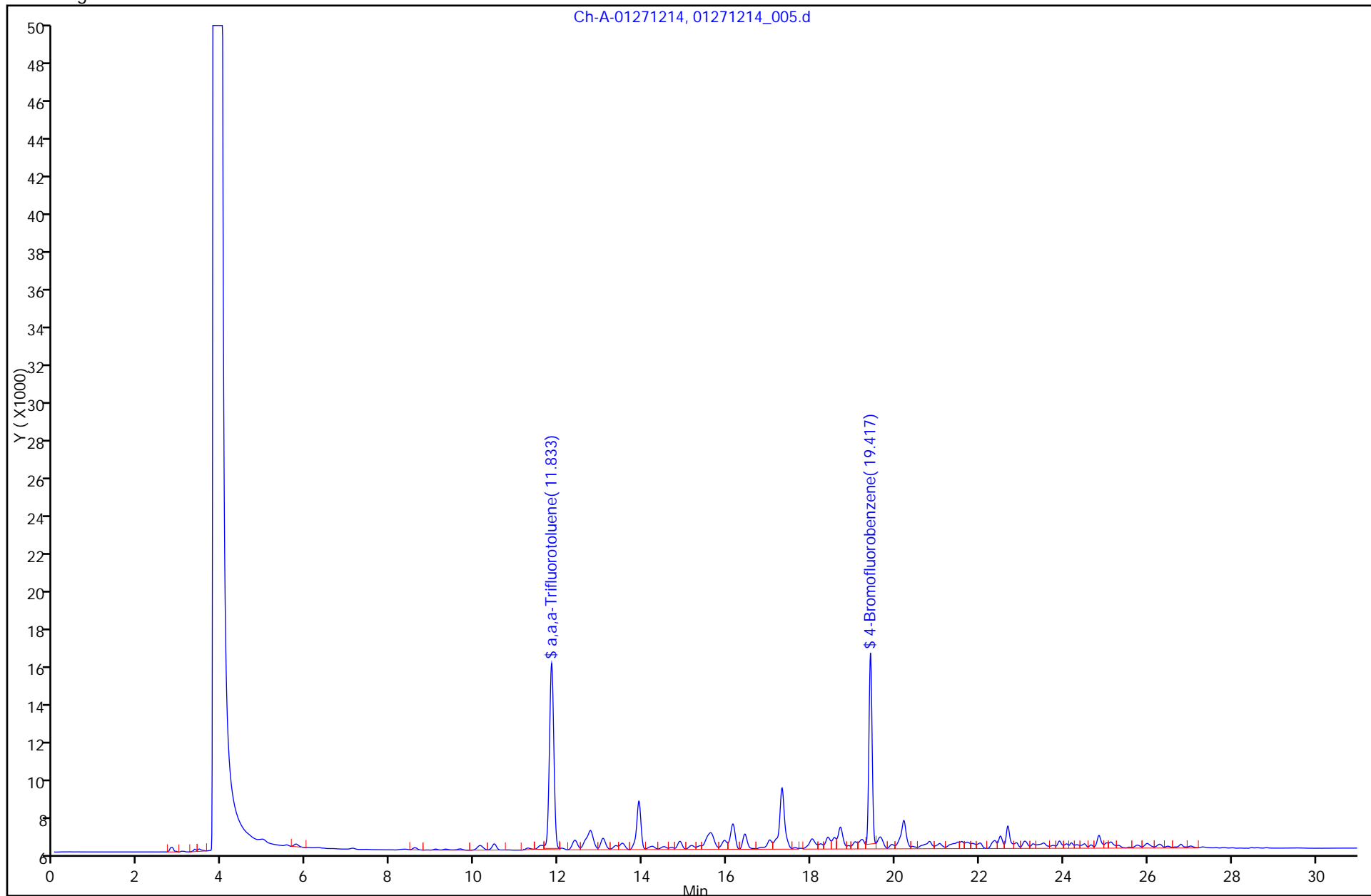
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:31:20

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_005.d

Injection Date: 27-Jan-2012 10:31:06

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID: SB0058: TK14FLR1:050055

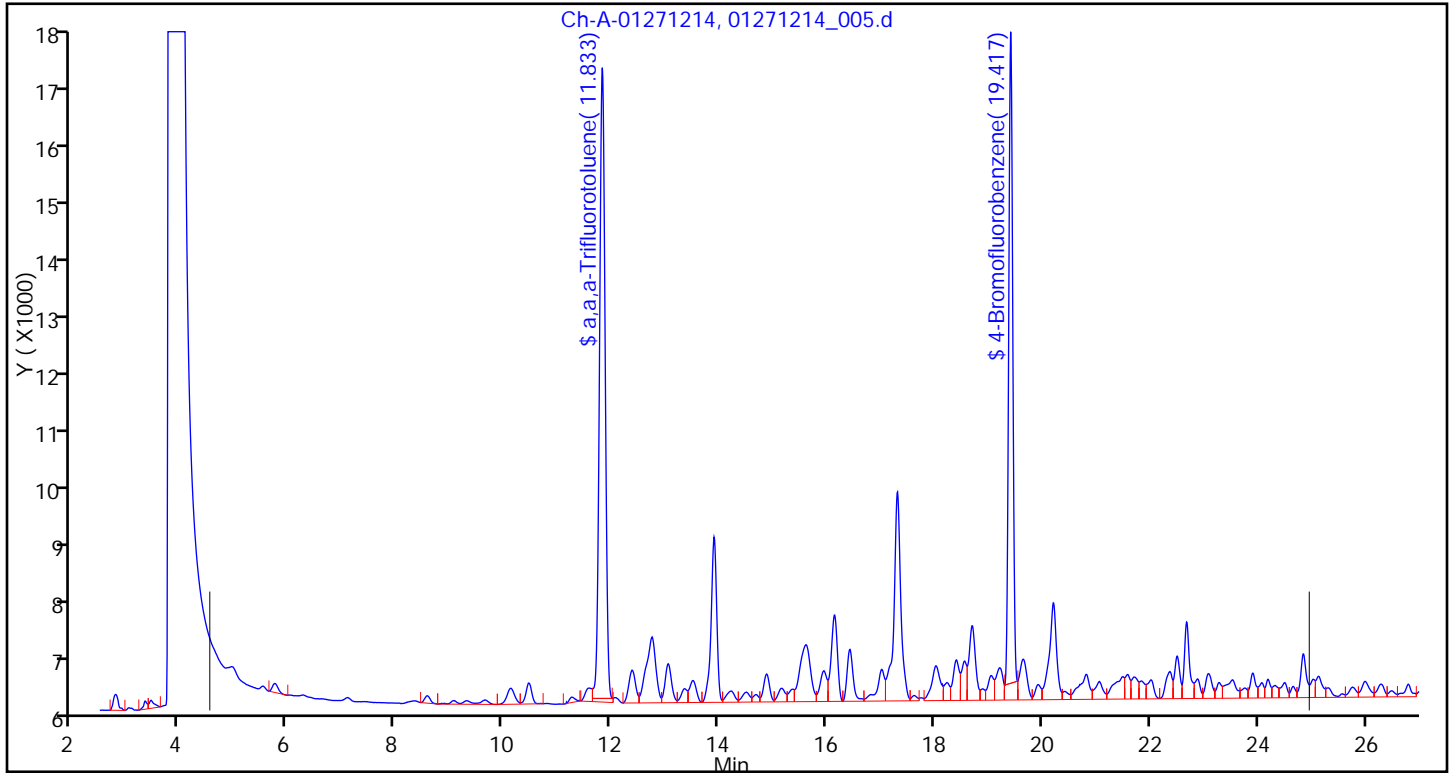
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 5

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR2:050055 Lab Sample ID: 510-74911-6  
 Matrix: Solid Lab File ID: 01271214\_017.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 10:15  
 Sample wt/vol: 5.8169(g) Date Analyzed: 01/27/2012 17:37  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 6.0 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.027		0.018	0.0070

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	95		51-117
98-08-8	a,a,a-Trifluorotoluene	92		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_017.d  
 Lims ID: 510-74911-D-6-A Client ID: SB0058: TK14FLR2:050055  
 Inject. Date: 27-Jan-2012 17:37:04 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-6-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 9  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.820	0.005	8640	18.4	
A 5 C5-C12	14.726	4.503 - 24.948		245530	29.3	
\$ 3 4-Bromofluorobenzene	19.412	19.410	0.002	9316	19.0	

Report Date: 28-Jan-2012 00:36:40

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_017.d

Injection Date: 27-Jan-2012 17:37:04

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14FLR2:050055

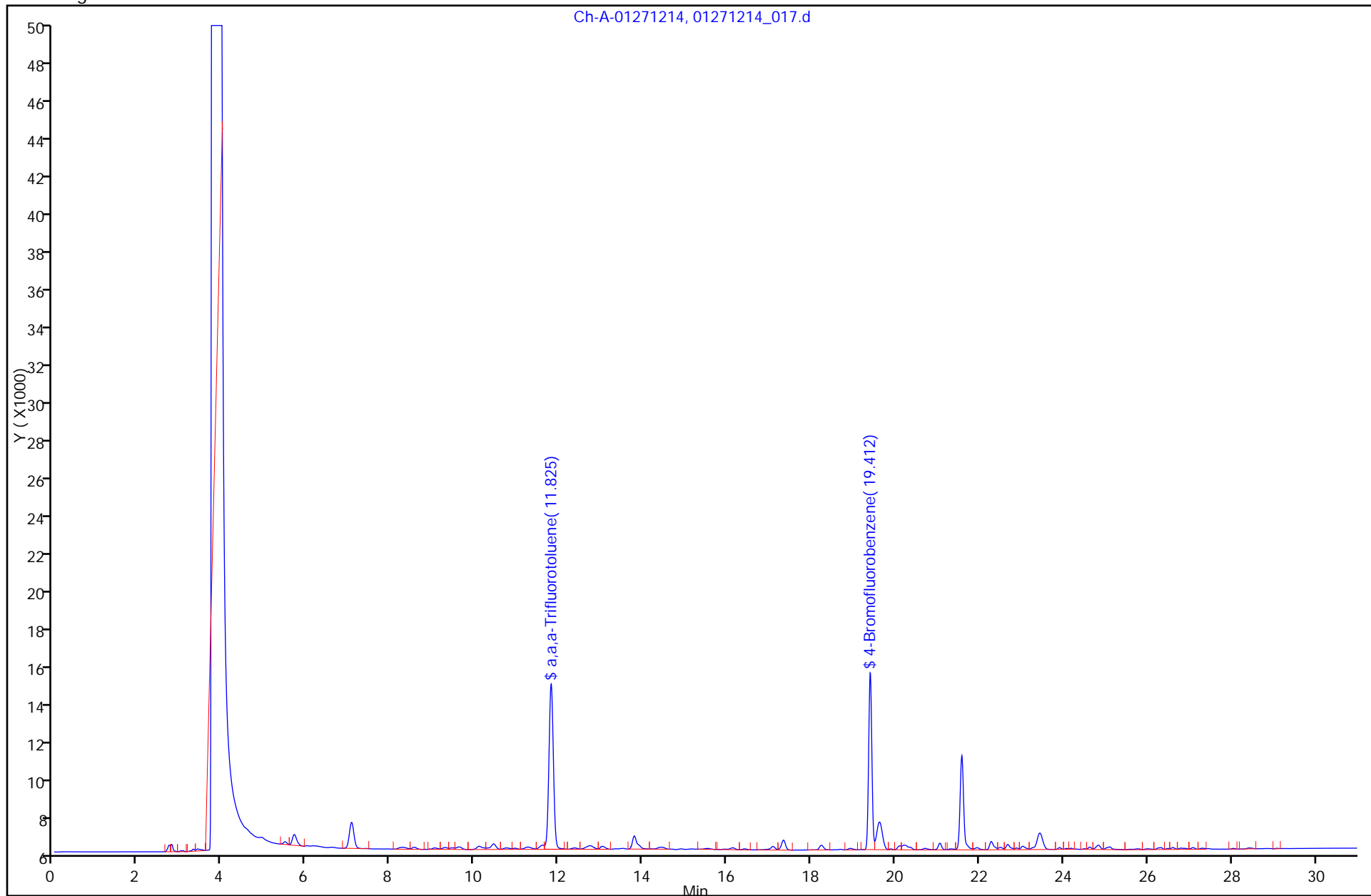
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 9

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:36:40

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_017.d

Injection Date: 27-Jan-2012 17:37:04

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14FLR2:050055

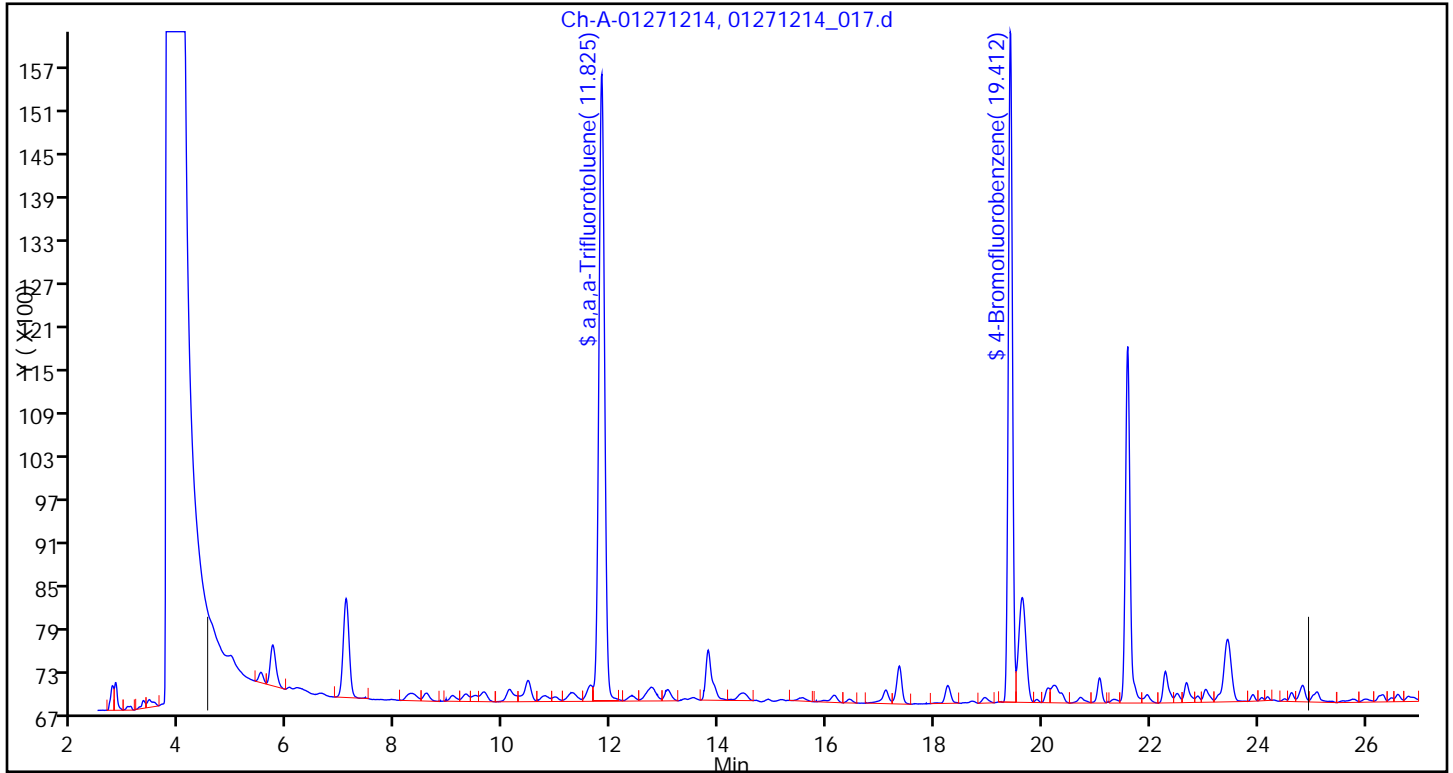
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 9

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011





FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Field Lab Sample ID: 510-74911-7  
 Matrix: Solid Lab File ID: 01271214\_018.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 09:50  
 Sample wt/vol: 4.4394(g) Date Analyzed: 01/27/2012 18:12  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 5.3 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.057		0.024	0.0092

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		51-117
98-08-8	a,a,a-Trifluorotoluene	86		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_018.d  
 Lims ID: 510-74911-D-7-A Client ID: SB0058: TK14:Field Duplicate  
 Inject. Date: 27-Jan-2012 18:12:41 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-7-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 10  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.820	0.005	8063	17.2	
A 5 C5-C12	14.726	4.503 - 24.948		372862	47.6	
\$ 3 4-Bromofluorobenzene	19.417	19.410	0.007	7963	16.2	

Report Date: 28-Jan-2012 00:36:41

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_018.d

Injection Date: 27-Jan-2012 18:12:41

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14:Field Duplicate

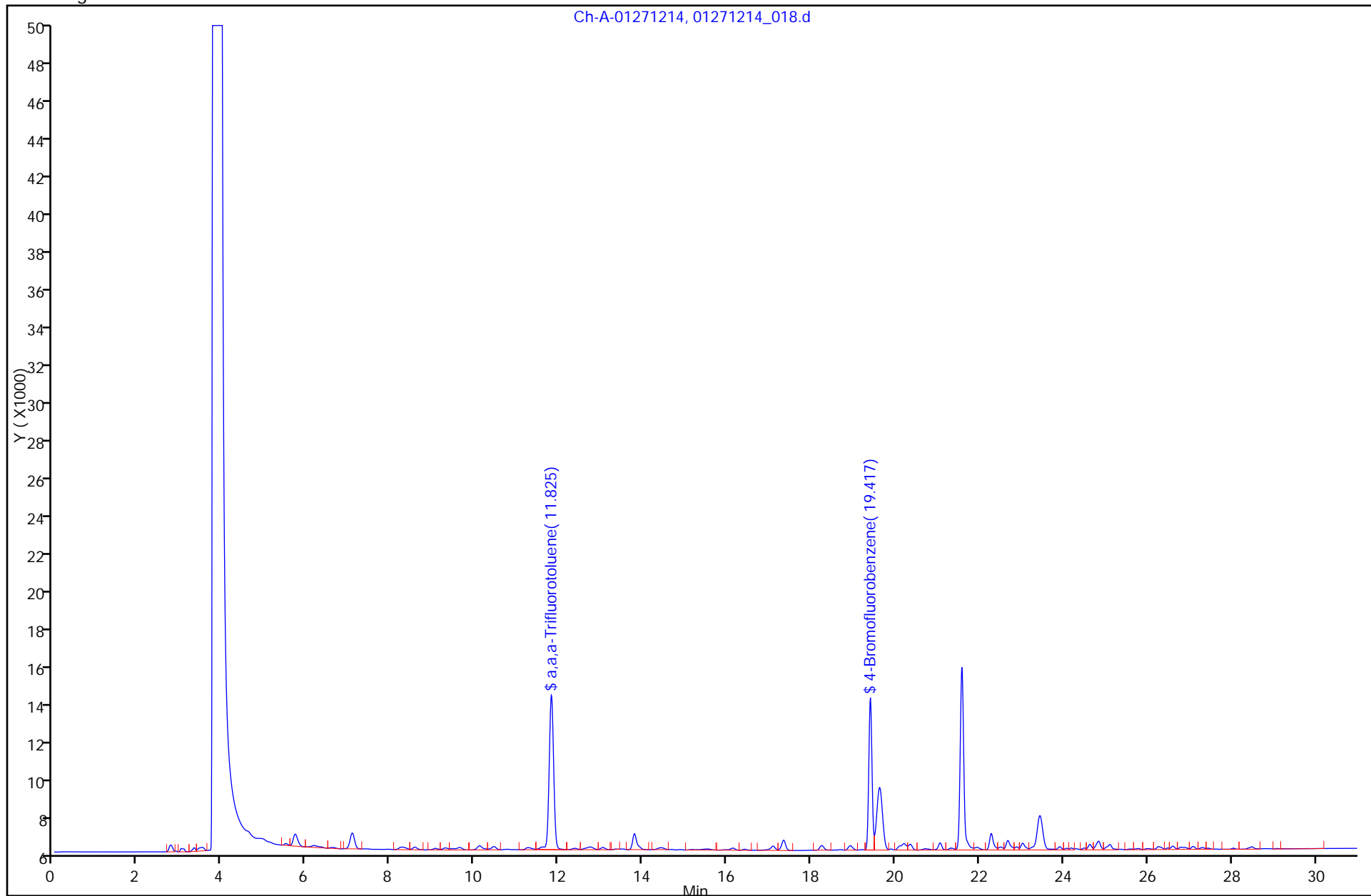
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 10

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:36:41

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_018.d

Injection Date: 27-Jan-2012 18:12:41

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14:Field Duplicate

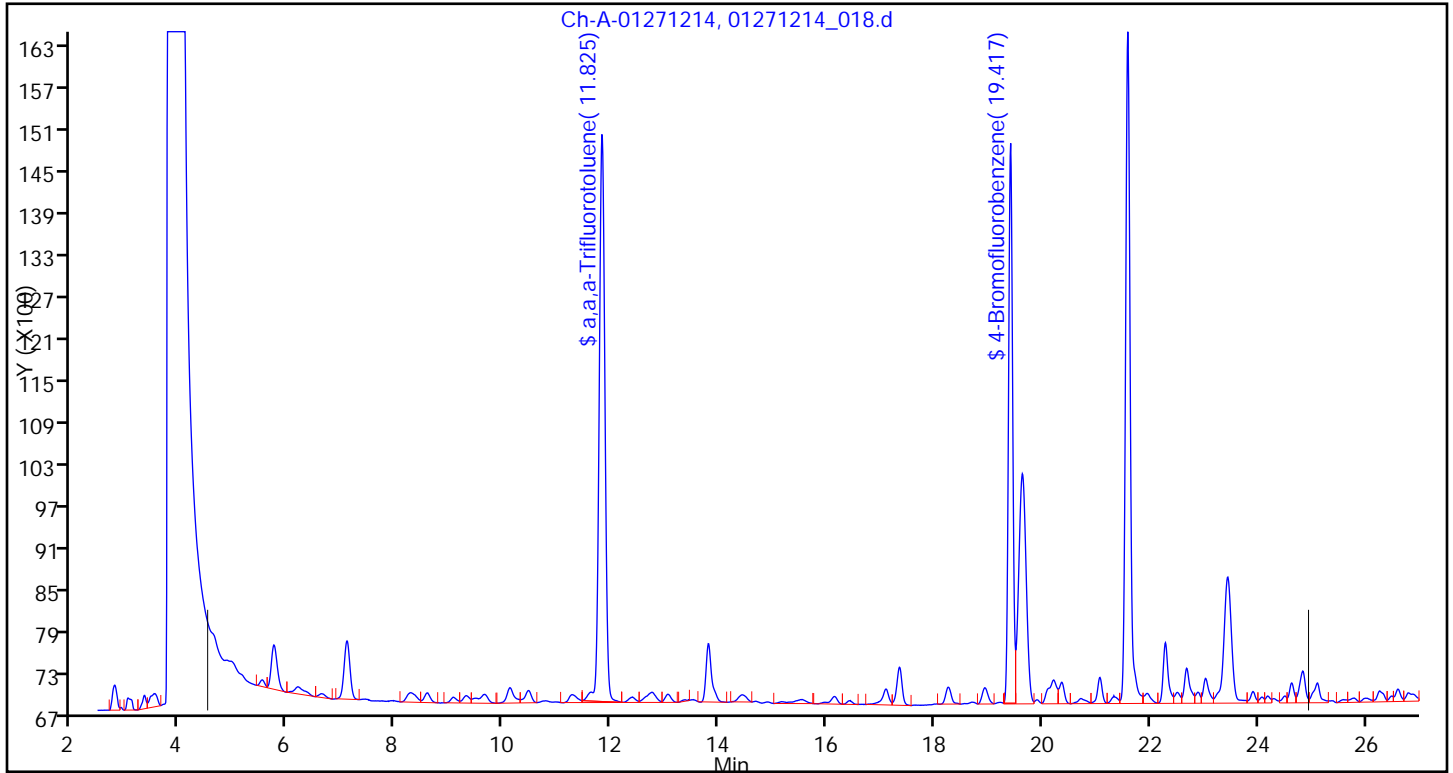
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 10

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14:Stockpile Lab Sample ID: 510-74911-8  
 Matrix: Solid Lab File ID: 01271214\_019.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 10:30  
 Sample wt/vol: 4.5365(g) Date Analyzed: 01/27/2012 18:48  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 5.2 Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.14		0.023	0.0090

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	91		51-117
98-08-8	a,a,a-Trifluorotoluene	89		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_019.d  
 Lims ID: 510-74911-D-8-A Client ID: SB0058: TK14:Stockpile  
 Inject. Date: 27-Jan-2012 18:48:16 Dil. Factor: 1.0000  
 Sample Type: Client  
 Sample ID: #: cd= Name: 012712,gro14s,510-74911-D-8-A  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 11  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.831	11.820	0.011	8411	17.9	
A 5 C5-C12	14.726	4.503 - 24.948		906086	124.3	
\$ 3 4-Bromofluorobenzene	19.417	19.410	0.007	8990	18.3	

Report Date: 28-Jan-2012 00:36:41

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_019.d

Injection Date: 27-Jan-2012 18:48:16

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14:Stockpile

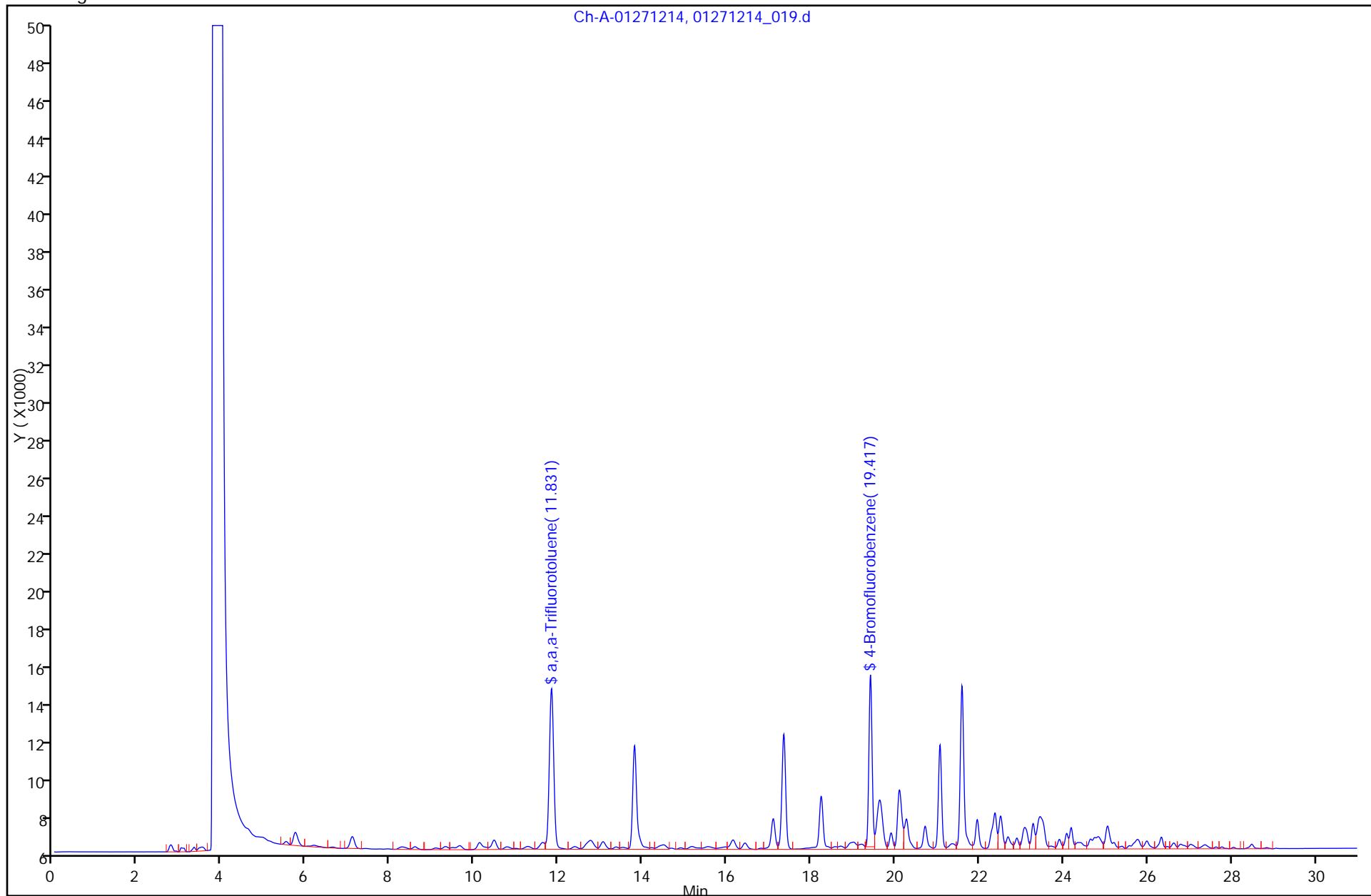
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 11

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 28-Jan-2012 00:36:41

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_019.d

Injection Date: 27-Jan-2012 18:48:16

Limit Group: GCVOA\_8015B\_GRO

Client ID: SB0058: TK14:Stockpile

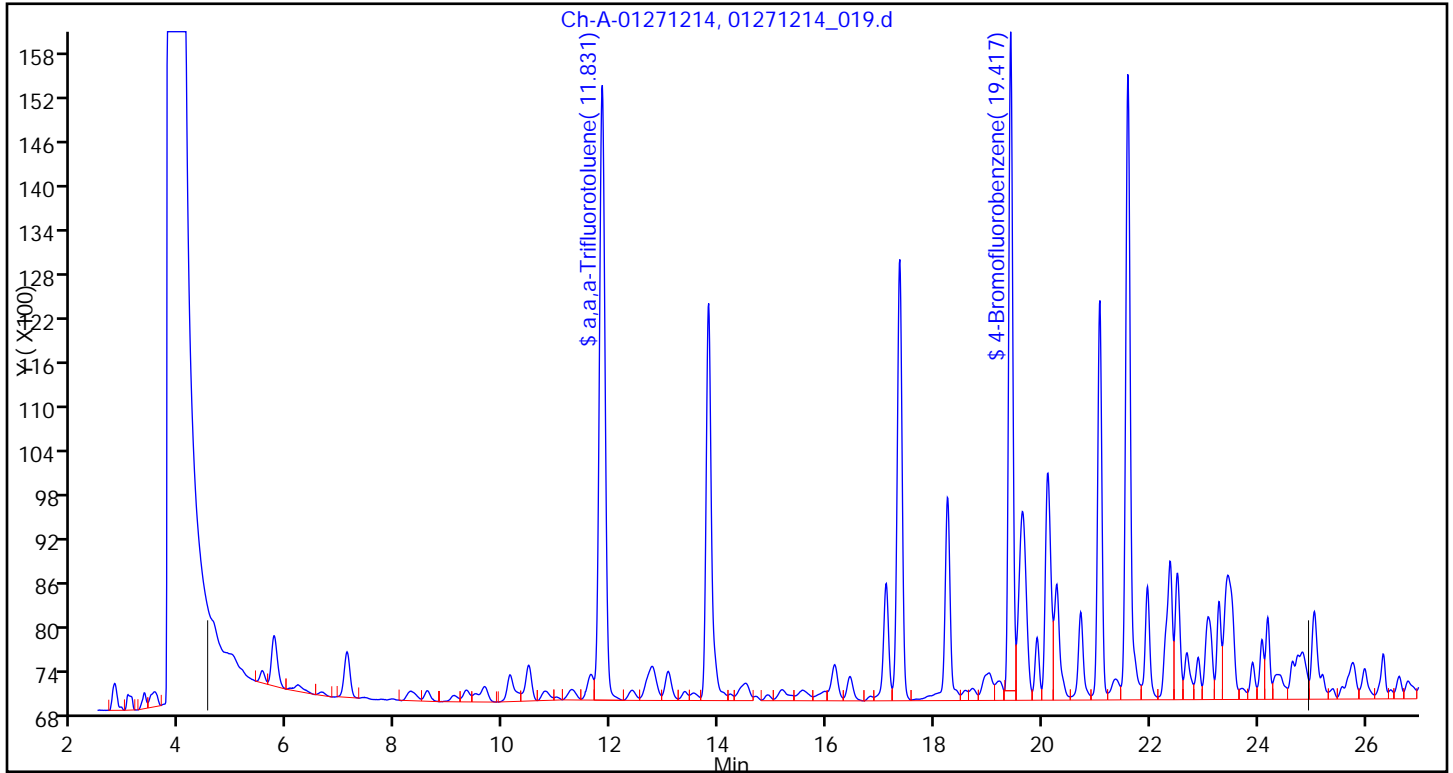
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 11

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011





FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137537

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2012 05:28 Calibration End Date: 01/07/2012 09:01 Calibration ID: 7577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137537/3	01071214_003.d
Level 2	IC 500-137537/4	01071214_004.d
Level 3	IC 500-137537/5	01071214_005.d
Level 4	IC 500-137537/6	01071214_006.d
Level 5	IC 500-137537/7	01071214_007.d
Level 6	IC 500-137537/8	01071214_008.d
Level 7	IC 500-137537/9	01071214_009.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Gasoline Range Organics (C6-C9)	13.634	13.634	13.634	13.634	13.634	13.634	13.634				6.083 - 21.184	13.634
C5-C12	14.743	14.743	14.743	14.743	14.743	14.743	14.743				4.517 - 24.969	14.743
Gasoline Range Organics (GRO)-C6-C12	15.526	15.526	15.526	15.526	15.526	15.526	15.526				6.083 - 24.969	15.526
Gasoline Range Organics (GRO)-C6-C10	16.270	16.270	16.270	16.270	16.270	16.270	16.270				6.083 - 26.457	16.270
a,a,a-Trifluorotoluene	11.850	11.850	11.842	11.850	11.850	11.850	11.842				11.750 - 11.950	11.848
4-Bromofluorobenzene	19.433	19.433	19.433	19.433	19.433	19.433	19.433				19.333 - 19.533	19.433

FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137537

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2012 05:28 Calibration End Date: 01/07/2012 09:01 Calibration ID: 7577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137537/3	01071214_003.d
Level 2	IC 500-137537/4	01071214_004.d
Level 3	IC 500-137537/5	01071214_005.d
Level 4	IC 500-137537/6	01071214_006.d
Level 5	IC 500-137537/7	01071214_007.d
Level 6	IC 500-137537/8	01071214_008.d
Level 7	IC 500-137537/9	01071214_009.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R <sup>2</sup> OR COD	#	MIN R <sup>2</sup> OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Gasoline Range Organics (C6-C9)	7467.8 6067.4	6472.7 6148.2	6218.7 6254.0	6189.2	Lin2	26871.4024	6056.44579							1.0000		0.9900
C5-C12	9248.1 7077.8	7812.9 7167.9	7328.9 7370.6	7085.3	Lin2	42975.7832	7030.90970							0.9990		0.9900
Gasoline Range Organics (GRO)-C6-C12	8589.6 6835.5	7436.4 6916.2	7029.9 7074.2	6814.9	Lin2	34825.5982	6793.77927							0.9990		0.9900
Gasoline Range Organics (GRO)-C6-C10	8990.1 7061.6	7637.9 7140.8	7228.3 7301.5	7004.1	Lin2	38385.9585	6986.18677							0.9990		0.9900
a,a,a-Trifluorotoluene	534.00 465.90	507.60 473.07	499.80 472.18	490.60	Lin2	63.4439644	475.533722							1.0000		0.9900
4-Bromofluorobenzene	509.00 461.10	479.20 464.83	480.00 470.14	478.40	Lin2	41.8125580	466.753051							1.0000		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137537

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2012 05:28 Calibration End Date: 01/07/2012 09:01 Calibration ID: 7577

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137537/3	01071214_003.d
Level 2	IC 500-137537/4	01071214_004.d
Level 3	IC 500-137537/5	01071214_005.d
Level 4	IC 500-137537/6	01071214_006.d
Level 5	IC 500-137537/7	01071214_007.d
Level 6	IC 500-137537/8	01071214_008.d
Level 7	IC 500-137537/9	01071214_009.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Gasoline Range Organics (C6-C9)	Lin2	149355 3688937	323637 6254022	621873	1237834	2426954	20.0 600	50.0 1000	100	200	400
C5-C12	Lin2	184961 4300725	390643 7370616	732885	1417069	2831102	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C12	Lin2	171791 4149723	371822 7074168	702985	1362979	2734182	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C10	Lin2	179802 4284500	381894 7301523	722834	1400824	2824658	20.0 600	50.0 1000	100	200	400
a, a, a-Trifluorotoluene	Lin2	534 14192	1269 23609	2499	4906	9318	1.00 30.0	2.50 50.0	5.00	10.0	20.0
4-Bromofluorobenzene	Lin2	509 13945	1198 23507	2400	4784	9222	1.00 30.0	2.50 50.0	5.00	10.0	20.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_003.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 05:28:57 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: #: cd= Name: 010712,gro14w,ic20  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 3  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:35 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 07-Jan-2012 06:12:49

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	534	0.9895	
A 10 GRO	13.634	6.083 - 21.184		149355	20.2	
A 5 C5-C12	14.743	4.517 - 24.969		184961	20.2	M
A 7 C6-C12	15.526	6.083 - 24.969		171791	20.2	
A 6 C6-C10	16.270	6.083 - 26.457		179802	20.2	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	509	1.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 08-Jan-2012 08:35:35

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_003.d

Injection Date: 07-Jan-2012 05:28:57

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

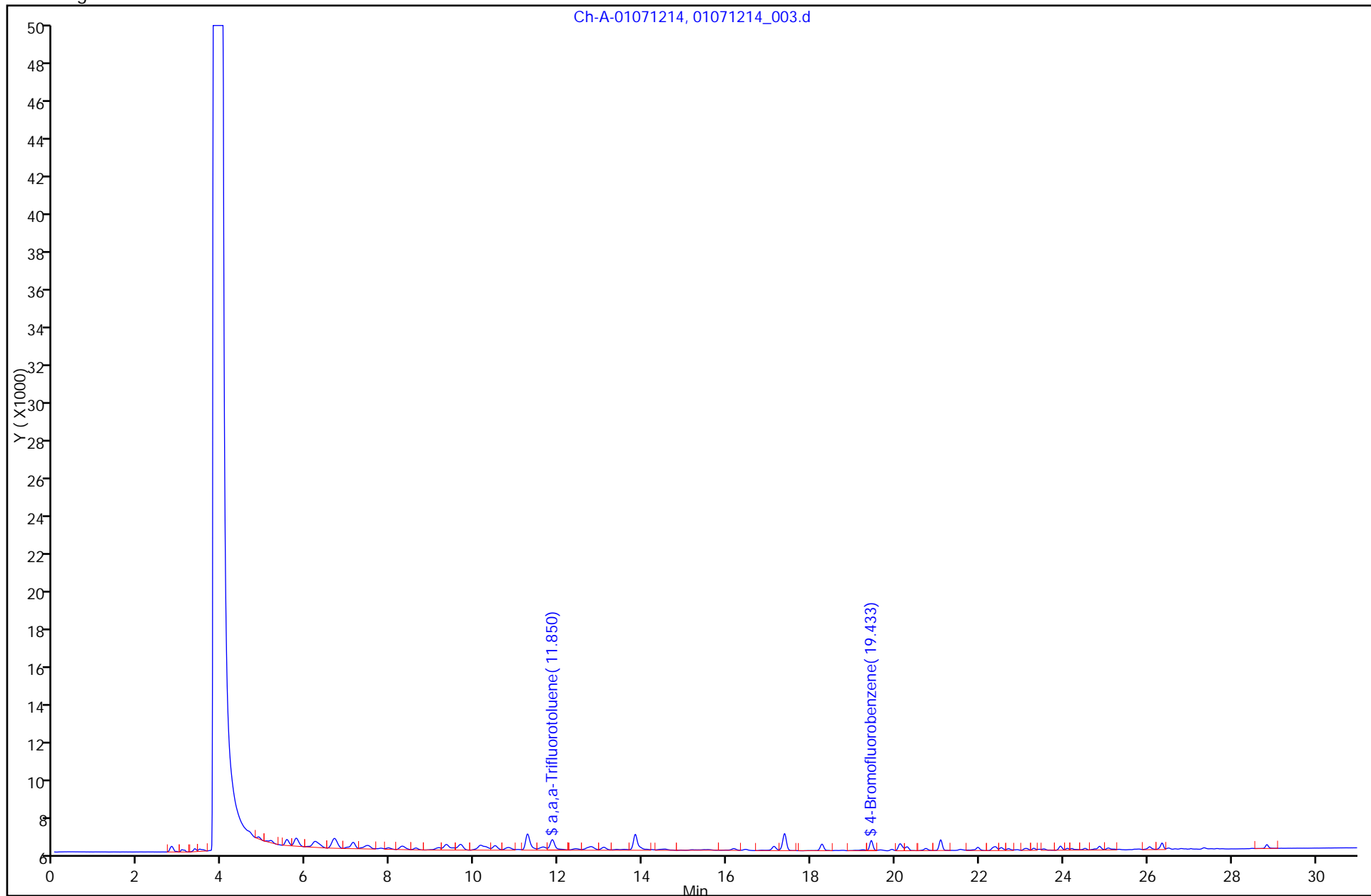
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 3

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_003.d

Injection Date: 07-Jan-2012 05:28:57

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

Instrument ID: INST13-14

Lims Batch ID: 137537

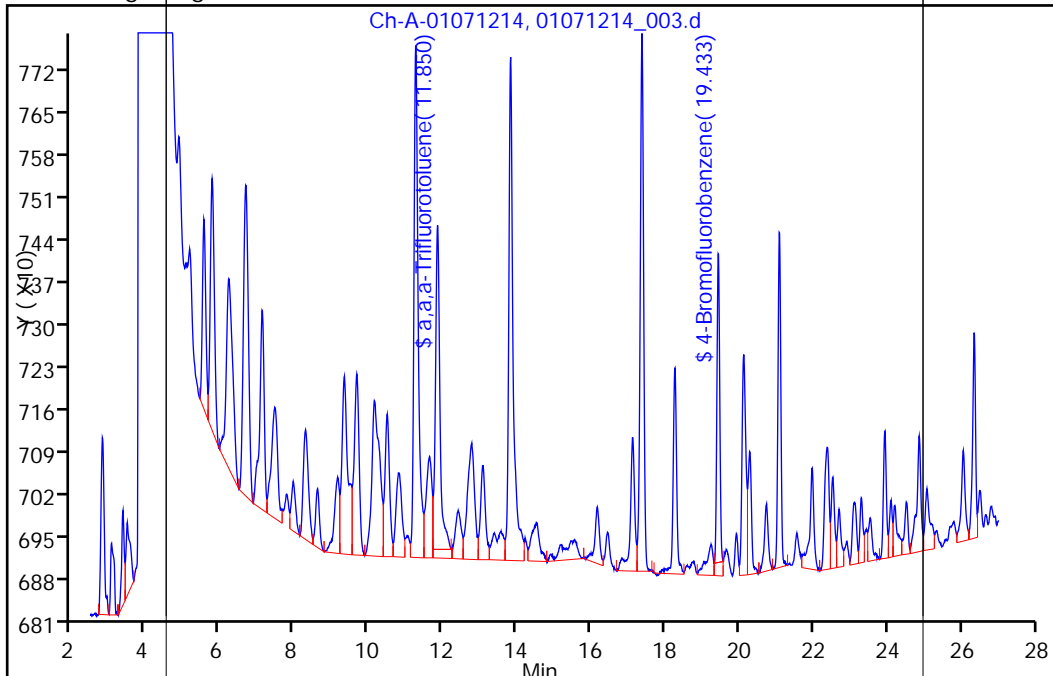
Lims Sample ID: 3

Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.74

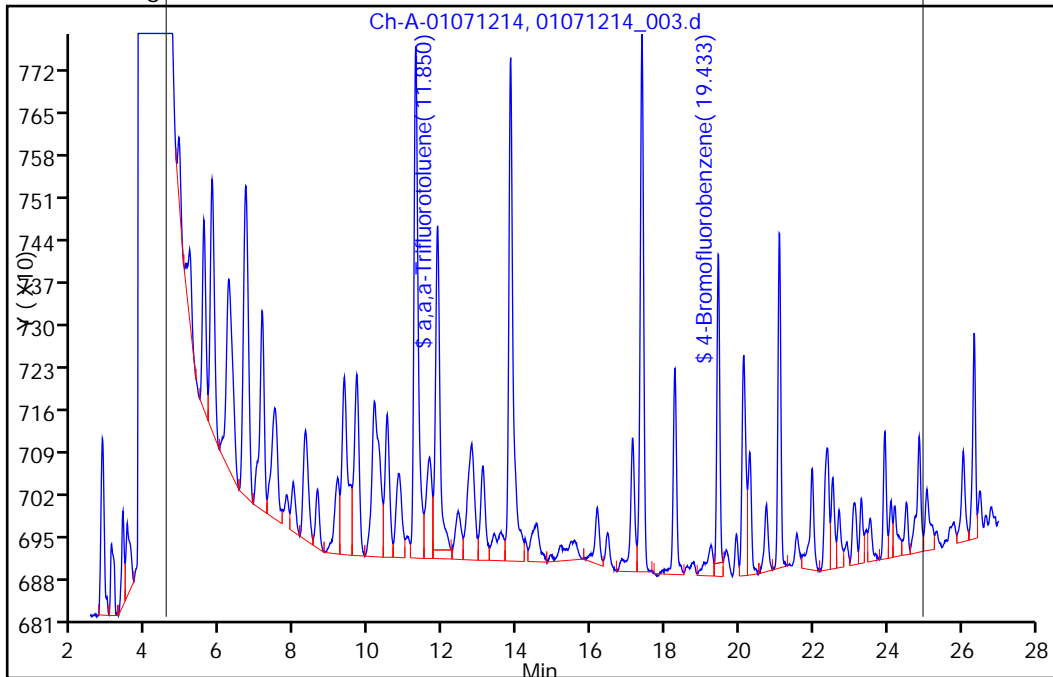
RT: 14.74  
Response: 182151  
Amount: 20.175085

Processing Integration Results



RT: 14.74  
Response: 184961  
Amount: 20.194430

Manual Integration Results



Reviewer: estesw, 08-Jan-2012 07:13:49

Audit Action: Manually Integrated

Audit Reason: Incomplete Integration

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_004.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 06:04:26 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: #: cd= Name: 010712,gro14w,ic50  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 4  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:36 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw Date: 07-Jan-2012 06:39:12

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	1269	2.54	
A 10 GRO	13.634	6.083 - 21.184		323637	49.0	
A 5 C5-C12	14.743	4.517 - 24.969		390643	49.4	M
A 7 C6-C12	15.526	6.083 - 24.969		371822	49.6	
A 6 C6-C10	16.270	6.083 - 26.457		381894	49.2	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	1198	2.48	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 08-Jan-2012 08:35:36

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_004.d

Injection Date: 07-Jan-2012 06:04:26

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

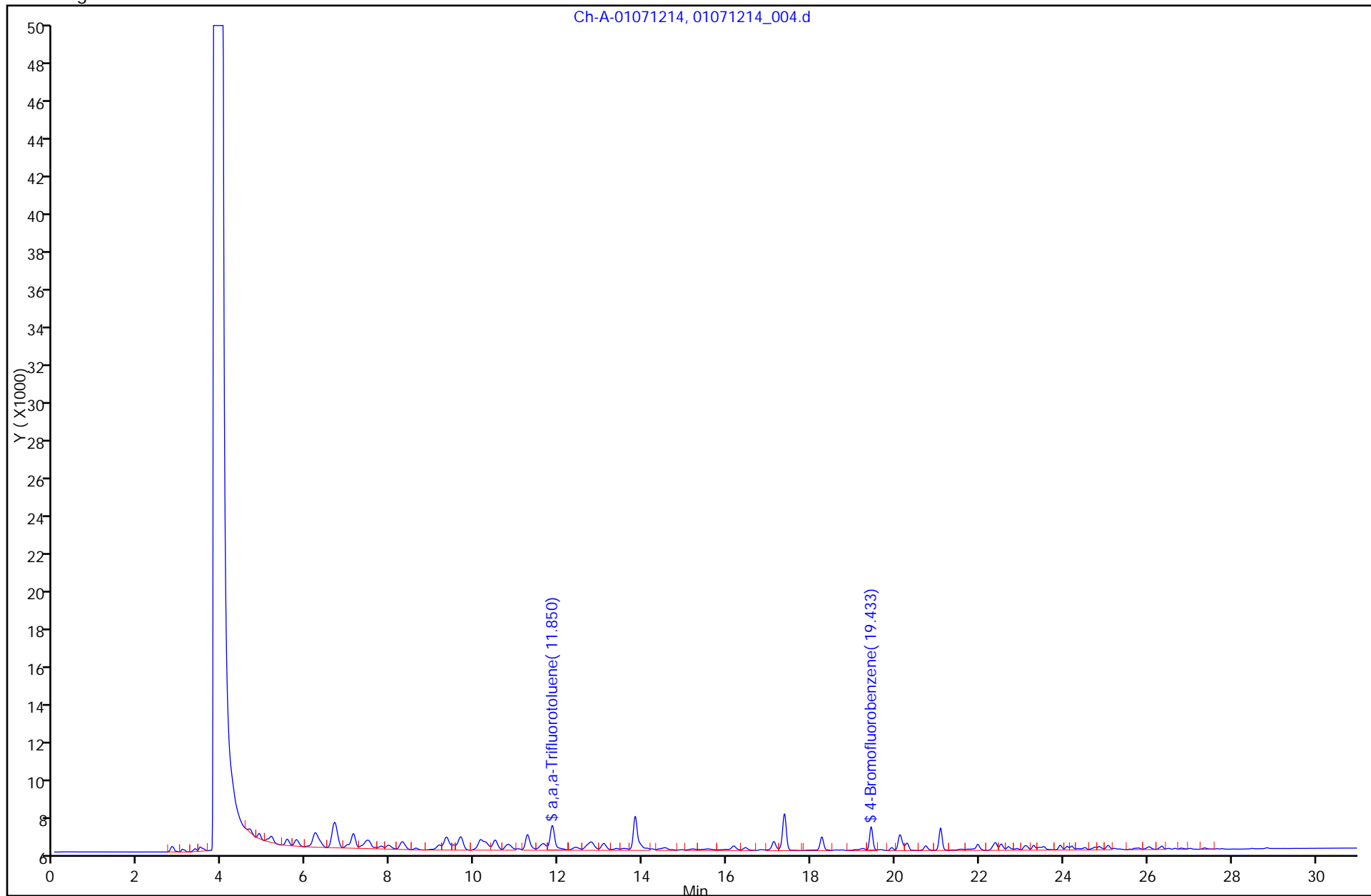
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 4

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



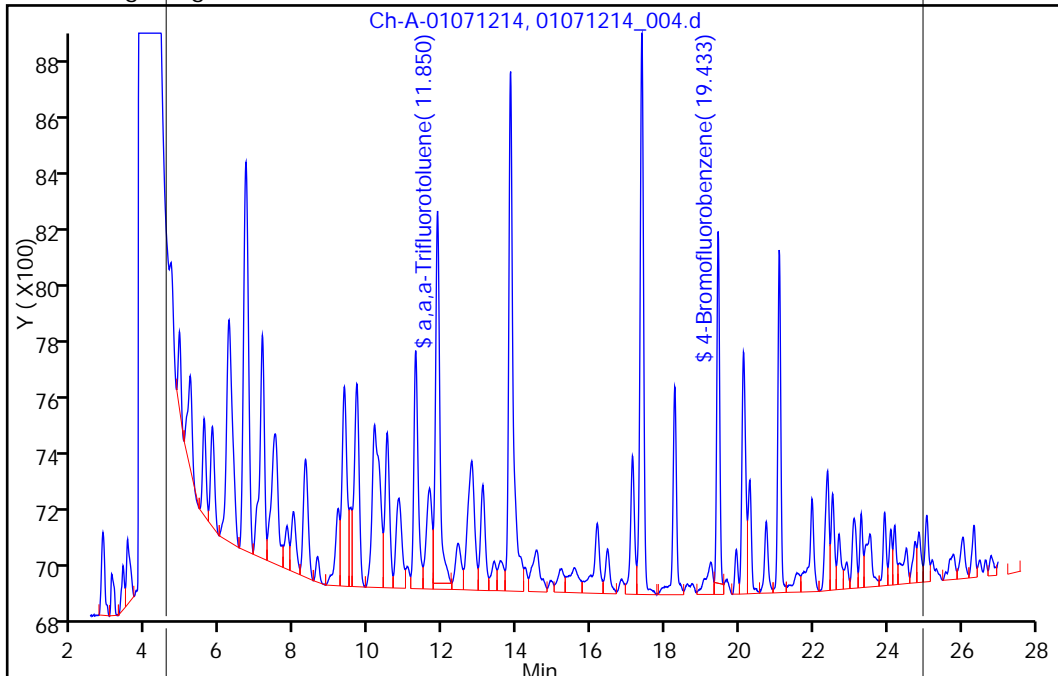


Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_004.d  
Injection Date: 07-Jan-2012 06:04:26 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
Client ID: Instrument ID: INST13-14  
Lims Batch ID: 137537 Lims Sample ID: 4  
Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.74

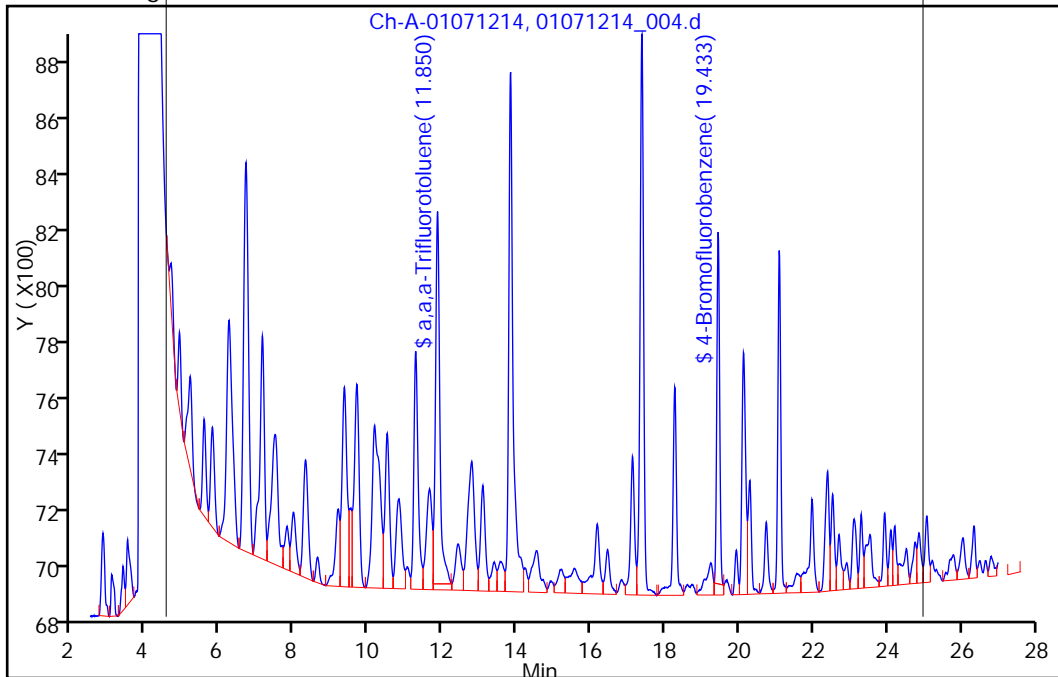
RT: 14.74  
Response: 388809  
Amount: 49.231493

Processing Integration Results



RT: 14.74  
Response: 390643  
Amount: 49.448397

Manual Integration Results



Reviewer: estesw, 08-Jan-2012 07:14:28  
Audit Action: Manually Integrated  
Audit Reason: Incomplete Integration

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_005.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 06:39:53 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: #: cd= Name: 010712,gro14w,ic100  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 5  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:37 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.850	-0.008	2499	5.12	
A 10 GRO	13.634	6.083 - 21.184		621873	98.2	
A 5 C5-C12	14.743	4.517 - 24.969		732885	98.1	
A 7 C6-C12	15.526	6.083 - 24.969		702985	98.3	
A 6 C6-C10	16.270	6.083 - 26.457		722834	98.0	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	2400	5.05	

Report Date: 08-Jan-2012 08:35:37

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_005.d

Injection Date: 07-Jan-2012 06:39:53

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

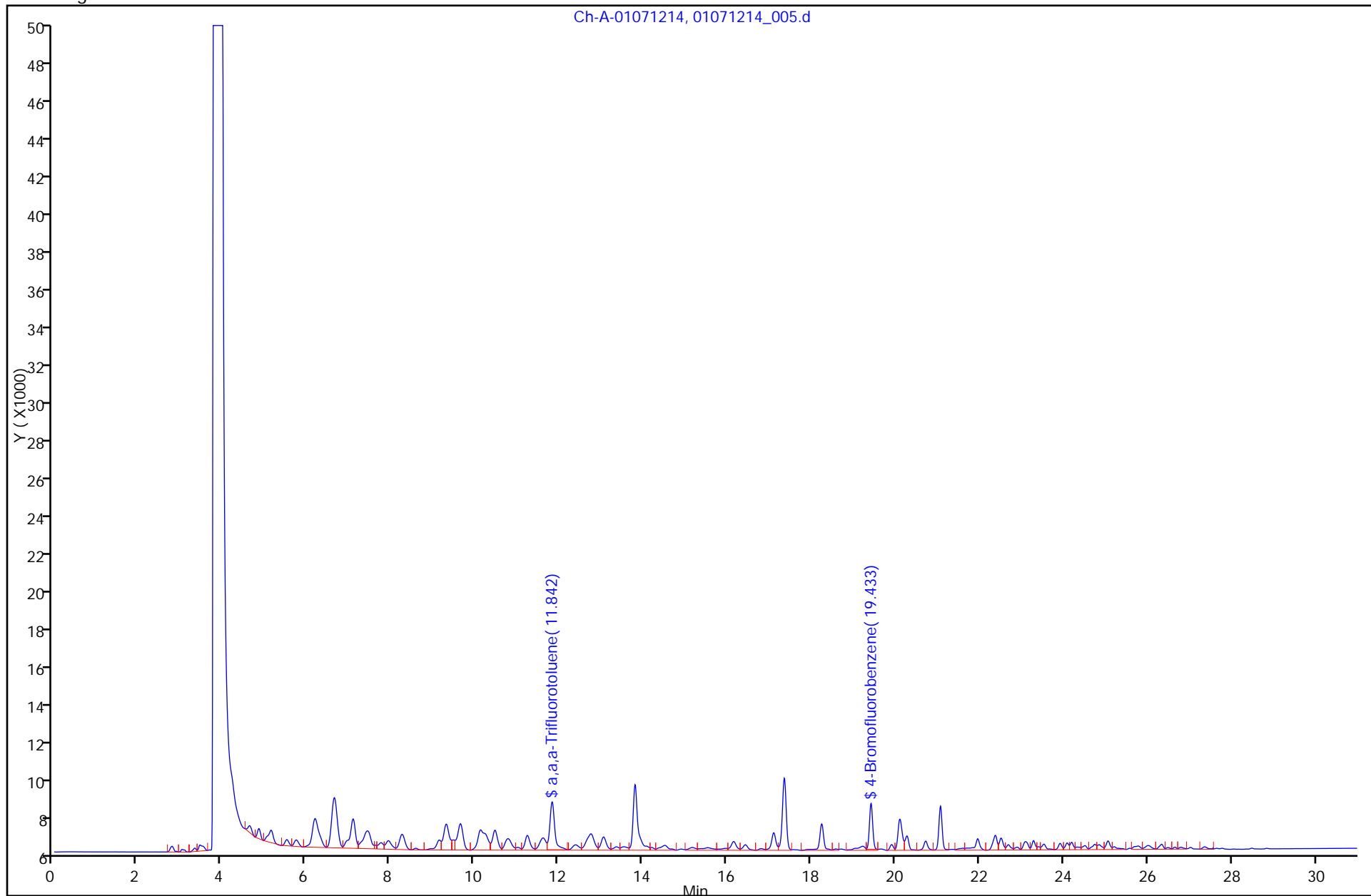
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_006.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 07:15:18 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: #: cd= Name: 010712,gro14w,ic200  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 6  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:38 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 08-Jan-2012 07:26:35

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	4906	10.2	
A 10 GRO	13.634	6.083 - 21.184		1237834	199.9	
A 5 C5-C12	14.743	4.517 - 24.969		1417069	195.4	
A 7 C6-C12	15.526	6.083 - 24.969		1362979	195.5	
A 6 C6-C10	16.270	6.083 - 26.457		1400824	195.0	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	4784	10.2	

Report Date: 08-Jan-2012 08:35:39

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_006.d

Injection Date: 07-Jan-2012 07:15:18

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

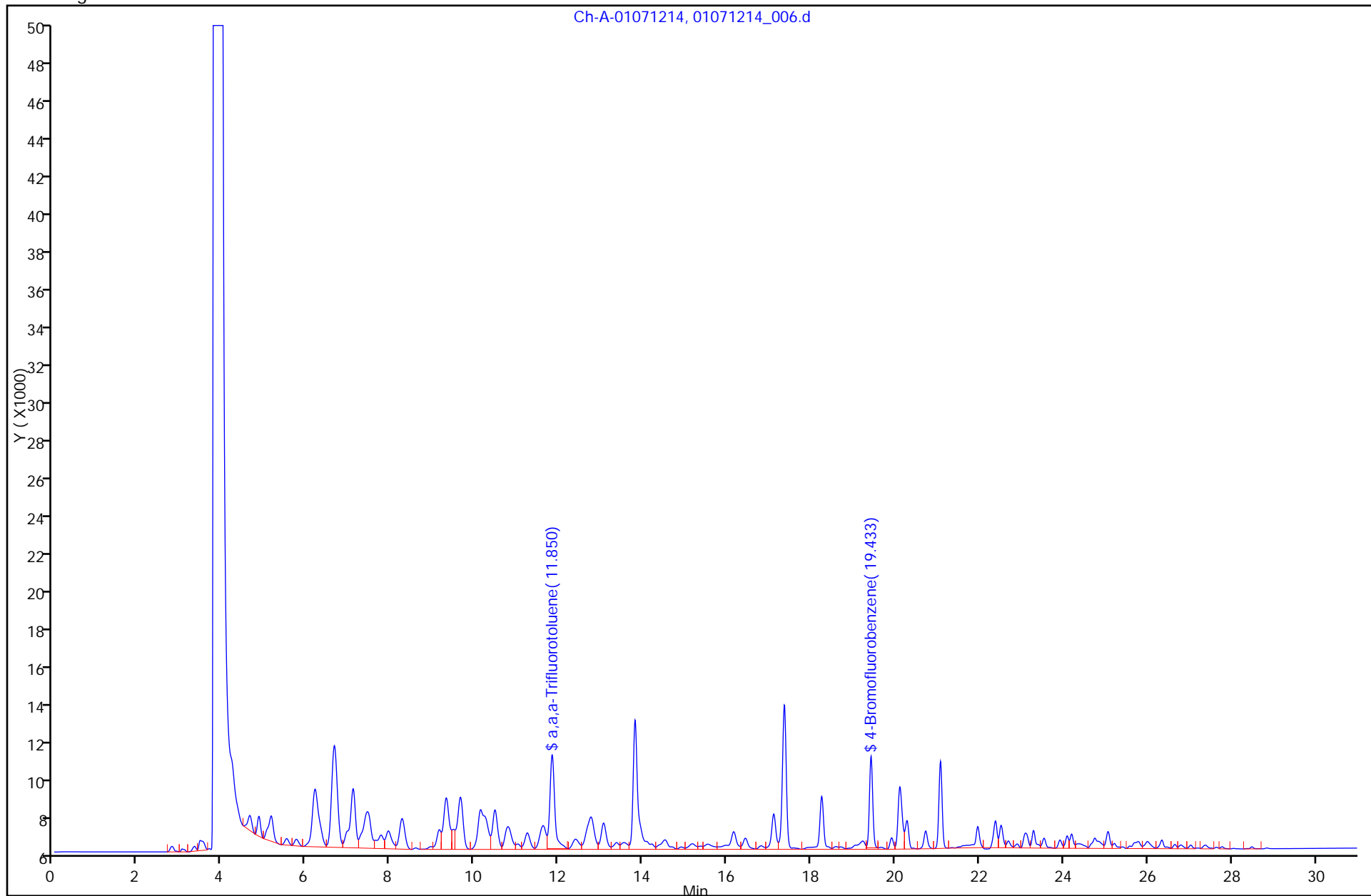
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 6

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_007.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 07:50:47 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: #: cd= Name: 010712,gro14w,ic400  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 7  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:40 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	9318	19.5	
A 10 GRO	13.634	6.083 - 21.184		2426954	396.3	
A 5 C5-C12	14.743	4.517 - 24.969		2831102	396.6	
A 7 C6-C12	15.526	6.083 - 24.969		2734182	397.3	
A 6 C6-C10	16.270	6.083 - 26.457		2824658	398.8	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	9222	19.7	

Report Date: 08-Jan-2012 08:35:40

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_007.d

Injection Date: 07-Jan-2012 07:50:47

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

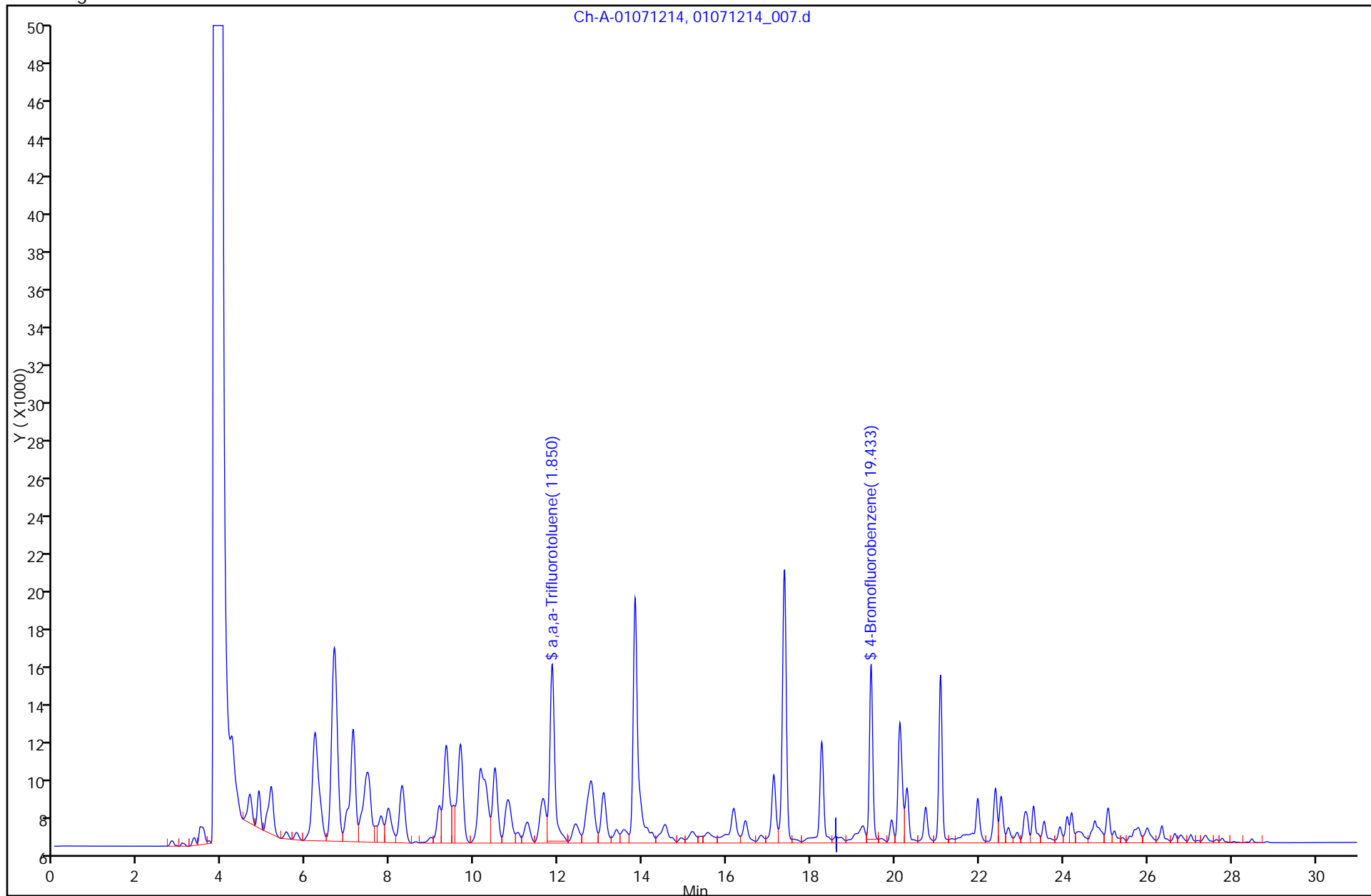
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 7

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_008.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 08:26:12 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 6  
 Sample ID: #: cd= Name: 010712,gro14w,ic600  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 8  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:41 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	14192	29.7	
A 10 GRO	13.634	6.083 - 21.184		3688937	604.7	
A 5 C5-C12	14.743	4.517 - 24.969		4300725	605.6	
A 7 C6-C12	15.526	6.083 - 24.969		4149723	605.7	
A 6 C6-C10	16.270	6.083 - 26.457		4284500	607.8	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	13945	29.8	



Report Date: 08-Jan-2012 08:35:41

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_008.d

Injection Date: 07-Jan-2012 08:26:12

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

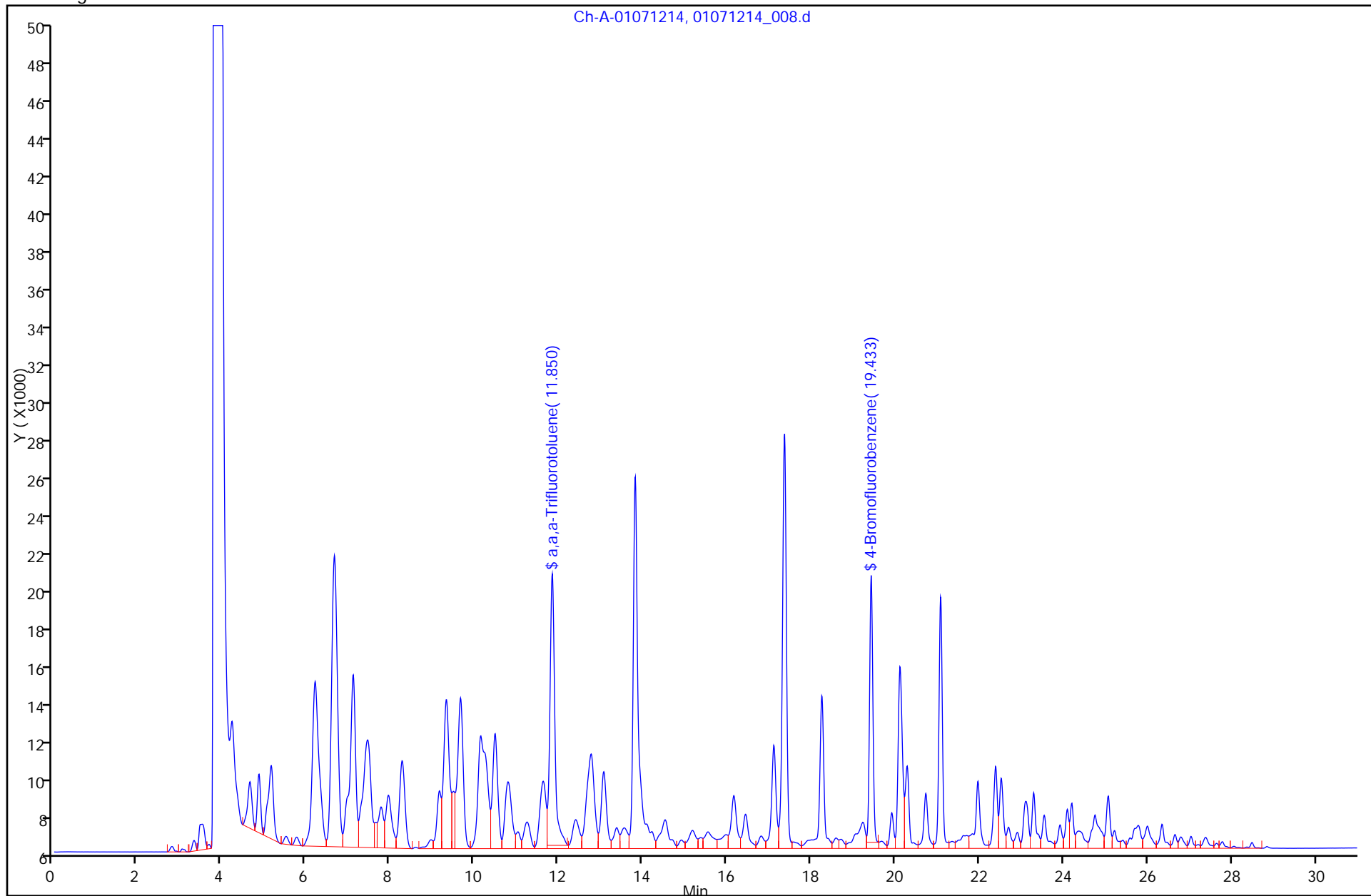
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 09:01:24 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: #: cd= Name: 010712,gro14w,ic1000  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 9  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 08:35:42 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.850	-0.008	23609	49.5	
A 10 GRO	13.634	6.083 - 21.184		6254022	1028.2	
A 5 C5-C12	14.743	4.517 - 24.969		7370616	1042.2	
A 7 C6-C12	15.526	6.083 - 24.969		7074168	1036.1	
A 6 C6-C10	16.270	6.083 - 26.457		7301523	1039.6	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	23507	50.3	

Report Date: 08-Jan-2012 08:35:42

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d

Injection Date: 07-Jan-2012 09:01:24

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

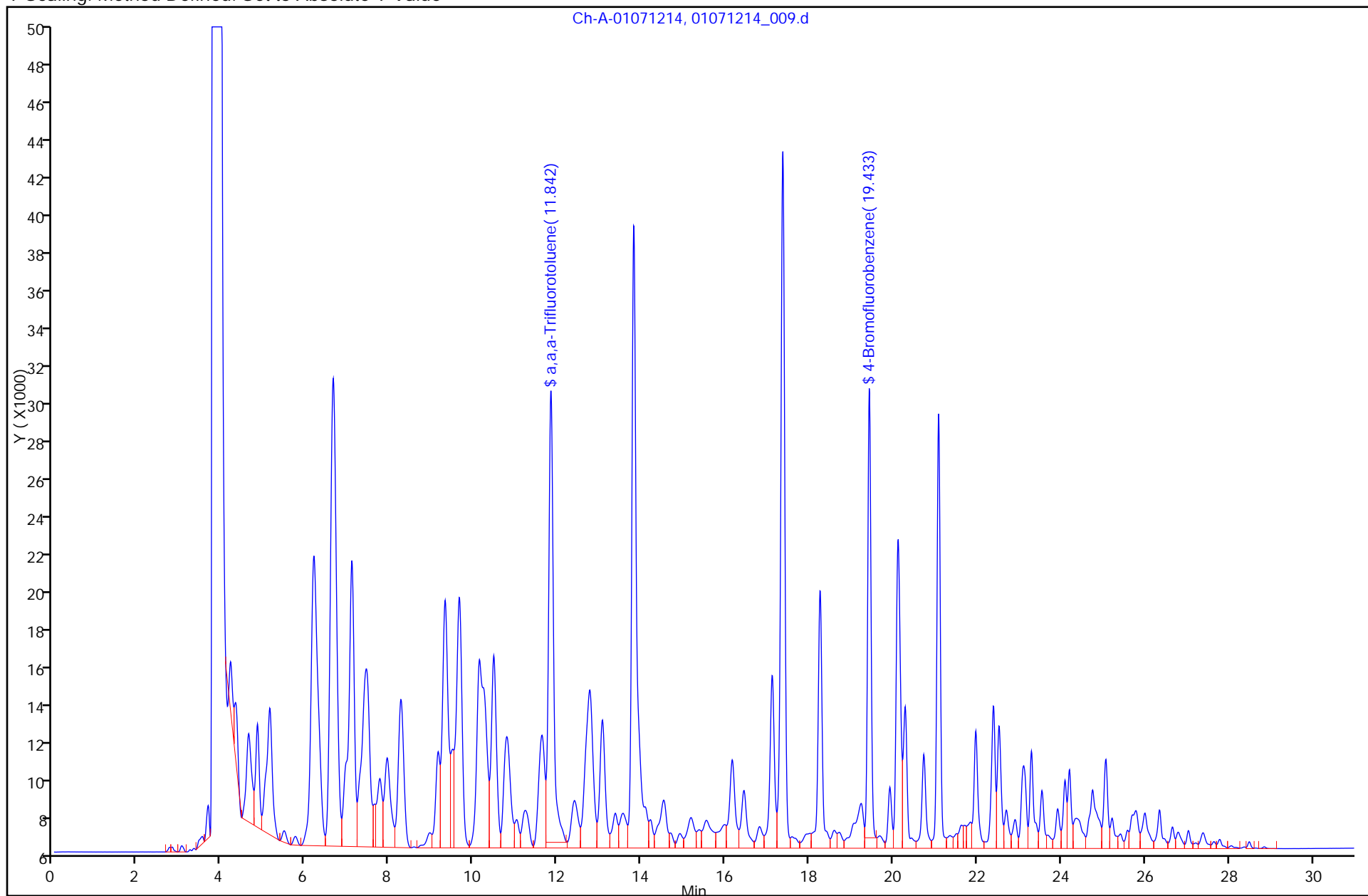
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 9

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137558

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/07/2012 10:47 Calibration End Date: 01/07/2012 14:20 Calibration ID: 7580

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137558/2	01071214_012.d
Level 2	IC 500-137558/3	01071214_013.d
Level 3	IC 500-137558/4	01071214_014.d
Level 4	IC 500-137558/5	01071214_015.d
Level 5	IC 500-137558/6	01071214_016.d
Level 6	IC 500-137558/7	01071214_017.d
Level 7	IC 500-137558/8	01071214_018.d

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Gasoline Range Organics (C6-C9)	13.644	13.644	13.644	13.644	13.644	13.644	13.644				6.102 - 21.185	13.644
C5-C12	14.753	14.753	14.753	14.753	14.753	14.753	14.753				4.539 - 24.966	14.753
Gasoline Range Organics (GRO)-C6-C12	15.534	15.534	15.534	15.534	15.534	15.534	15.534				6.102 - 24.966	15.534
Gasoline Range Organics (GRO)-C6-C10	16.278	16.278	16.278	16.278	16.278	16.278	16.278				6.102 - 26.453	16.278
a,a,a-Trifluorotoluene	11.844	11.842	11.850	11.842	11.850	11.842	11.842				11.744 - 11.944	11.845
4-Bromofluorobenzene	19.433	19.433	19.433	19.433	19.433	19.425	19.425				19.333 - 19.533	19.431

FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137558

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/07/2012 10:47 Calibration End Date: 01/07/2012 14:20 Calibration ID: 7580

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137558/2	01071214_012.d
Level 2	IC 500-137558/3	01071214_013.d
Level 3	IC 500-137558/4	01071214_014.d
Level 4	IC 500-137558/5	01071214_015.d
Level 5	IC 500-137558/6	01071214_016.d
Level 6	IC 500-137558/7	01071214_017.d
Level 7	IC 500-137558/8	01071214_018.d

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Gasoline Range Organics (C6-C9)	6597.9 6113.7	6417.0 6222.4	6156.9 6096.3	6016.6	Lin2	10546.8854	6095.68436							1.0000		0.9900
C5-C12	9109.6 7095.4	7681.0 7223.0	7296.5 7097.5	6931.9	Lin2	41729.9982	6953.18840							0.9990		0.9900
Gasoline Range Organics (GRO)-C6-C12	8185.8 6890.5	7251.8 7009.2	6976.1 6885.4	6679.1	Lin2	27114.2185	6776.16126							0.9990		0.9900
Gasoline Range Organics (GRO)-C6-C10	8692.0 7143.7	7417.0 7262.9	7217.4 7135.6	6865.3	Lin2	32107.3283	6976.98265							0.9990		0.9900
a,a,a-Trifluorotoluene	544.00 474.60	472.40 474.97	481.60 462.42	474.50	Lin2	71.5634698	465.061982							0.9990		0.9900
4-Bromofluorobenzene	601.00 503.65	494.00 500.10	499.40 489.88	493.20	Lin2	102.552884	485.184709							0.9980		0.9900

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI  
 GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA  
 EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Chicago Job No.: 510-74911-1 Analy Batch No.: 137558

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2 (mm) Heated Purge: (Y/N) Y

Calibration Start Date: 01/07/2012 10:47 Calibration End Date: 01/07/2012 14:20 Calibration ID: 7580

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-137558/2	01071214_012.d
Level 2	IC 500-137558/3	01071214_013.d
Level 3	IC 500-137558/4	01071214_014.d
Level 4	IC 500-137558/5	01071214_015.d
Level 5	IC 500-137558/6	01071214_016.d
Level 6	IC 500-137558/7	01071214_017.d
Level 7	IC 500-137558/8	01071214_018.d

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Gasoline Range Organics (C6-C9)	Lin2	131958 3733431	320850 6096338	615685	1203313	2445492	20.0 600	50.0 1000	100	200	400
C5-C12	Lin2	182191 4333798	384052 7097547	729653	1386382	2838160	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C12	Lin2	163716 4205541	362591 6885390	697605	1335828	2756197	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C10	Lin2	173839 4357769	370850 7135551	721741	1373061	2857490	20.0 600	50.0 1000	100	200	400
a, a, a-Trifluorotoluene	Lin2	544 14249	1181 23121	2408	4745	9492	1.00 30.0	2.50 50.0	5.00	10.0	20.0
4-Bromofluorobenzene	Lin2	601 15003	1235 24494	2497	4932	10073	1.00 30.0	2.50 50.0	5.00	10.0	20.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 10:47:48 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 1  
 Sample ID: #: cd= Name: 010712,gro14s,ic20  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 2  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:15 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 08-Jan-2012 08:16:22

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.844	11.844	0.0	544	1.02	
A 10 GRO	13.644	6.102 - 21.185		131958	19.9	M
A 5 C5-C12	14.753	4.539 - 24.966		182191	20.2	M
A 7 C6-C12	15.534	6.102 - 24.966		163716	20.2	M
A 6 C6-C10	16.278	6.102 - 26.453		173839	20.3	M
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	601	1.03	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 08-Jan-2012 08:28:16

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d

Injection Date: 07-Jan-2012 10:47:48

Limit Group: GCVOA\_8015B\_GRO

Client ID:

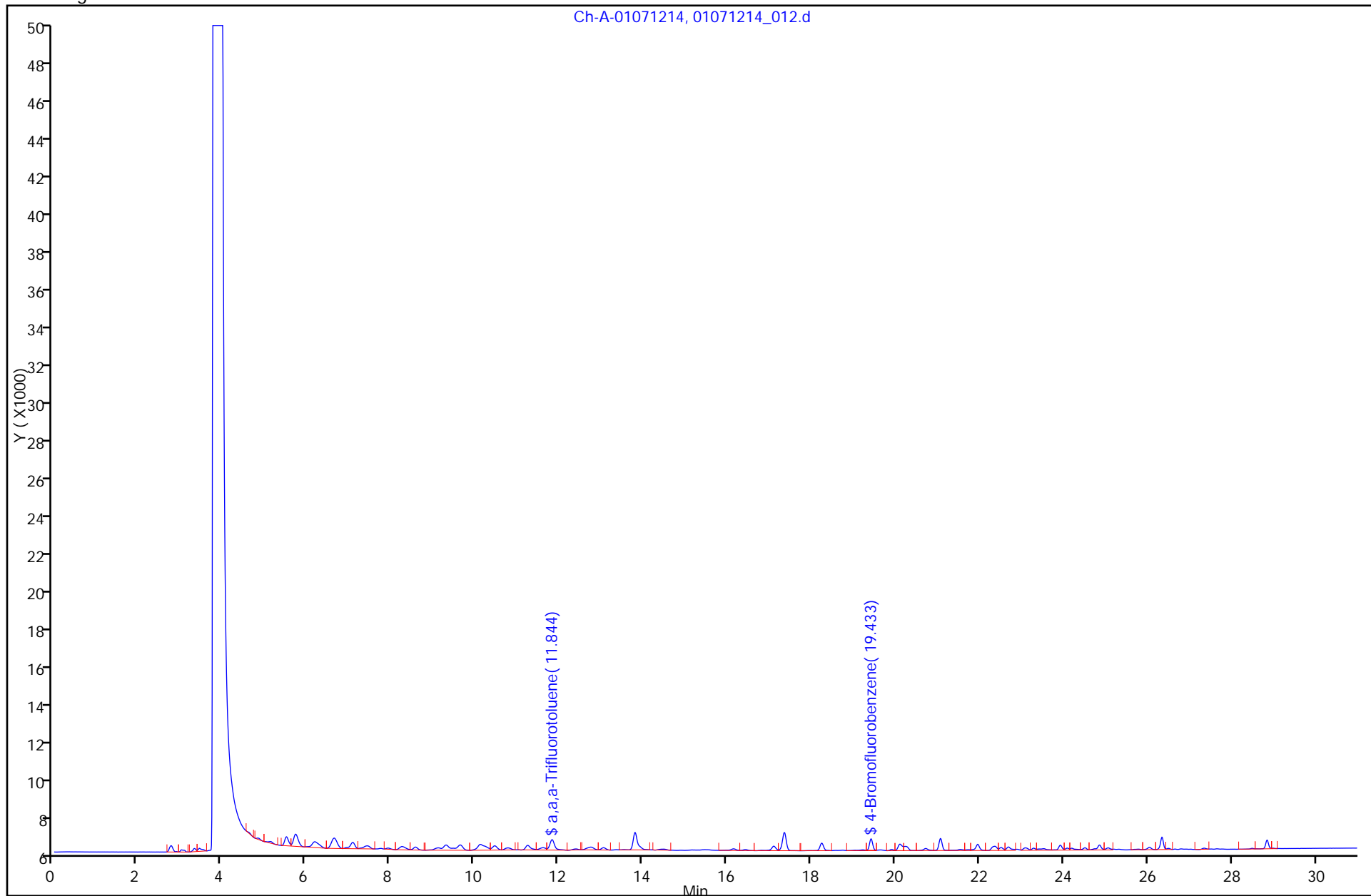
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 2

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



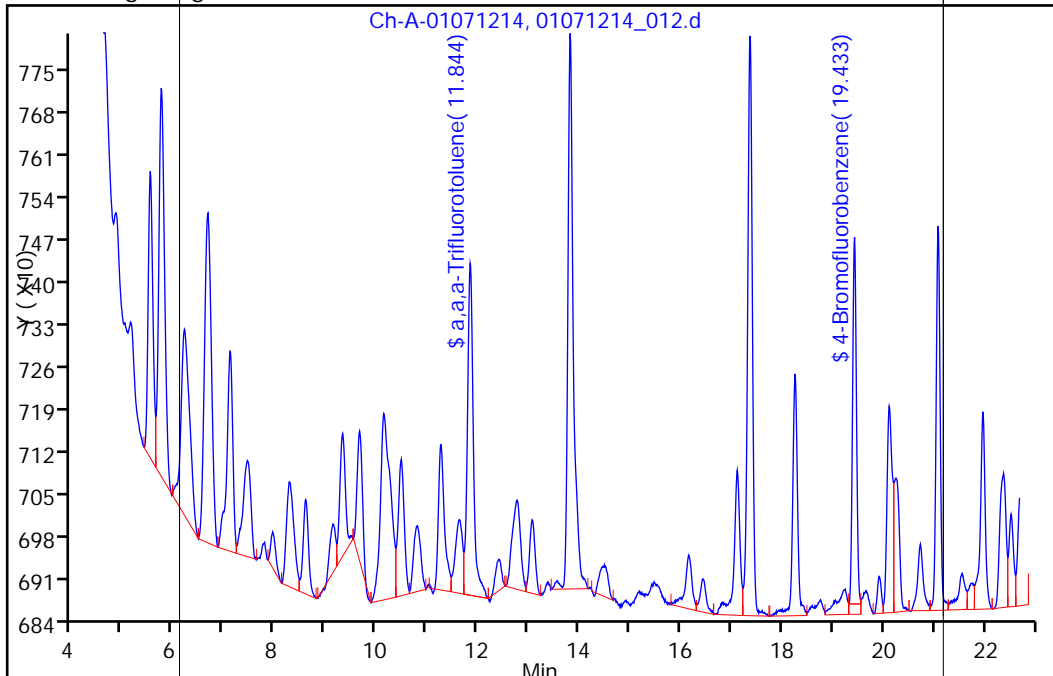


Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d  
Injection Date: 07-Jan-2012 10:47:48  
Client ID:  
Lims Batch ID: 137558  
Operator ID: estesw  
Limit Group: GCVOA\_8015B\_GRO  
Instrument ID: INST13-14  
Lims Sample ID: 2

A 10 GRO, Signal: 1, Type: quant, RT: 13.64

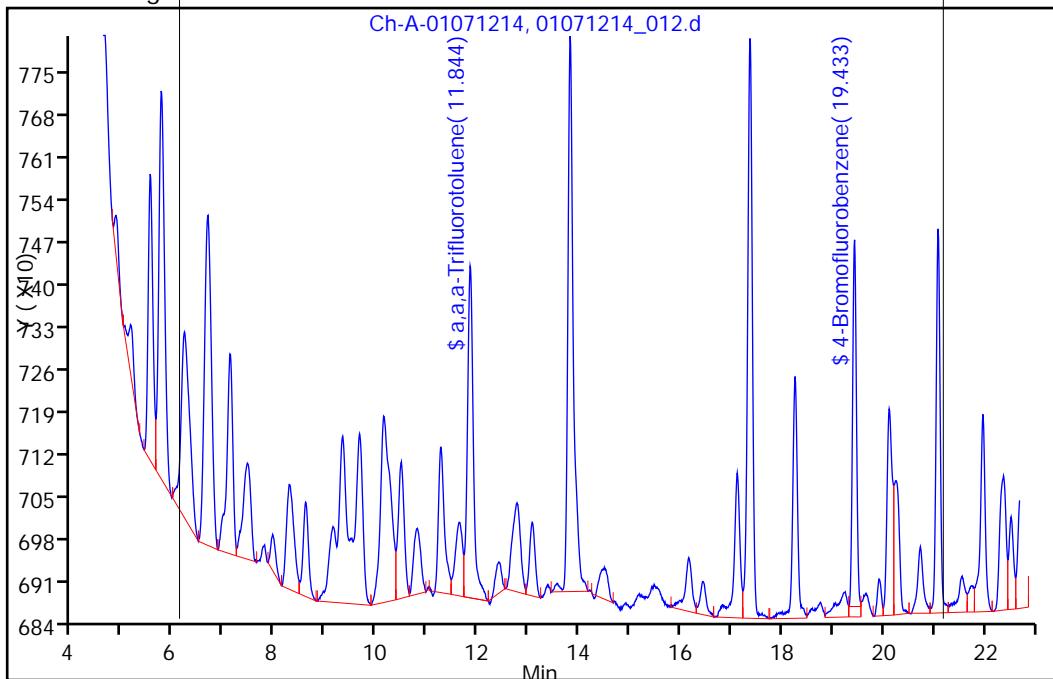
RT: 13.64  
Response: 125370  
Amount: 19.787258

Processing Integration Results



RT: 13.64  
Response: 131958  
Amount: 19.917553

Manual Integration Results



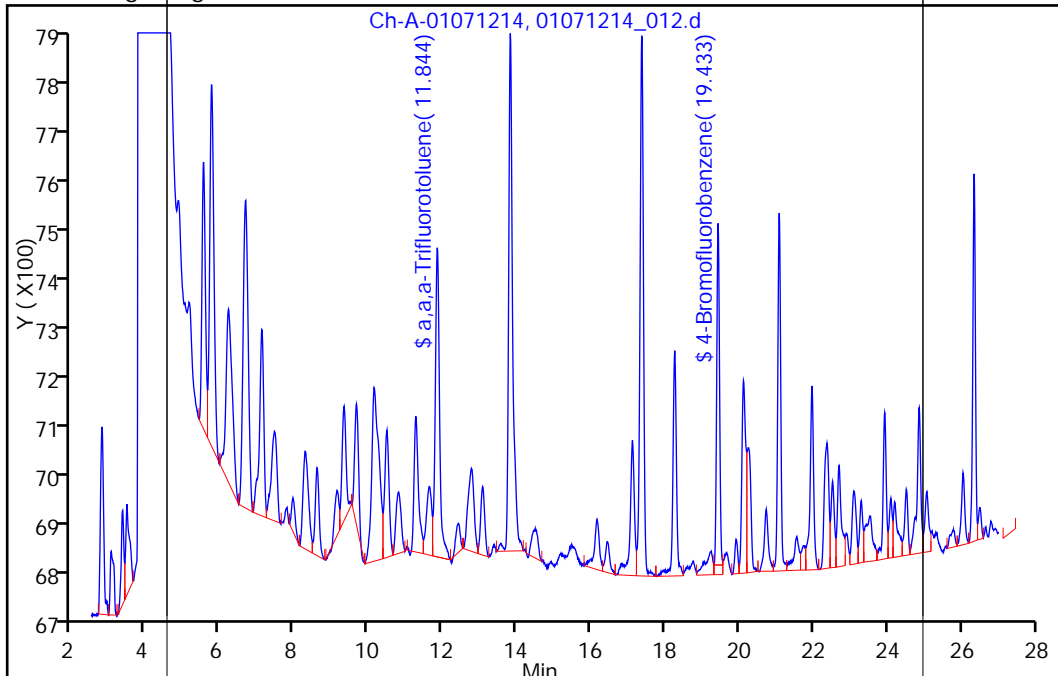
Reviewer: estesw, 08-Jan-2012 08:16:22  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d  
Injection Date: 07-Jan-2012 10:47:48  
Client ID:  
Lims Batch ID: 137558  
Operator ID: estesw  
Limit Group: GCVOA\_8015B\_GRO  
Instrument ID: INST13-14  
Lims Sample ID: 2

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.75

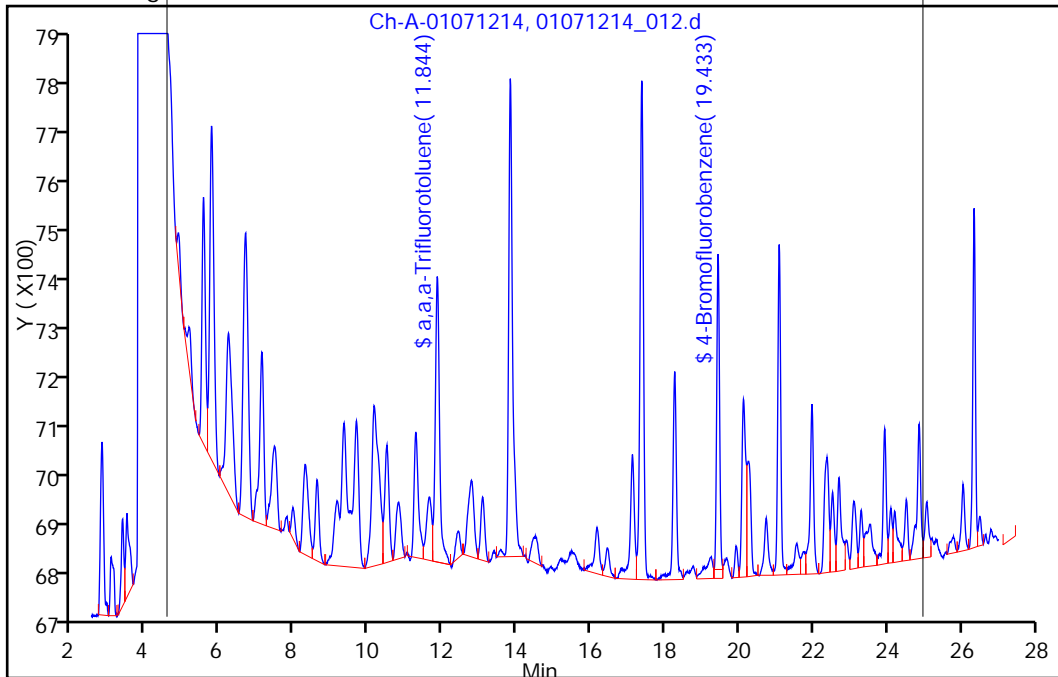
RT: 14.75  
Response: 173216  
Amount: 20.060277

Processing Integration Results



RT: 14.75  
Response: 182191  
Amount: 20.200949

Manual Integration Results



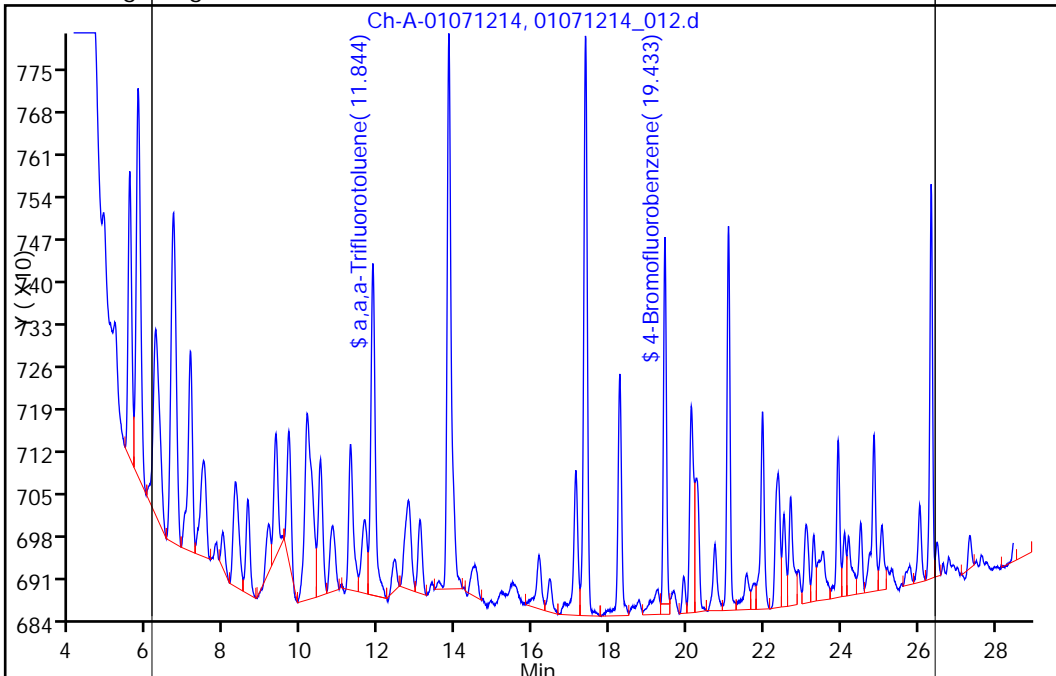
Reviewer: estesw, 08-Jan-2012 08:16:22  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d  
Injection Date: 07-Jan-2012 10:47:48  
Client ID:  
Lims Batch ID: 137558  
Operator ID: estesw  
Limit Group: GCVOA\_8015B\_GRO  
Instrument ID: INST13-14  
Lims Sample ID: 2

A 6 C6-C10, Signal: 1, Type: quant, RT: 16.28

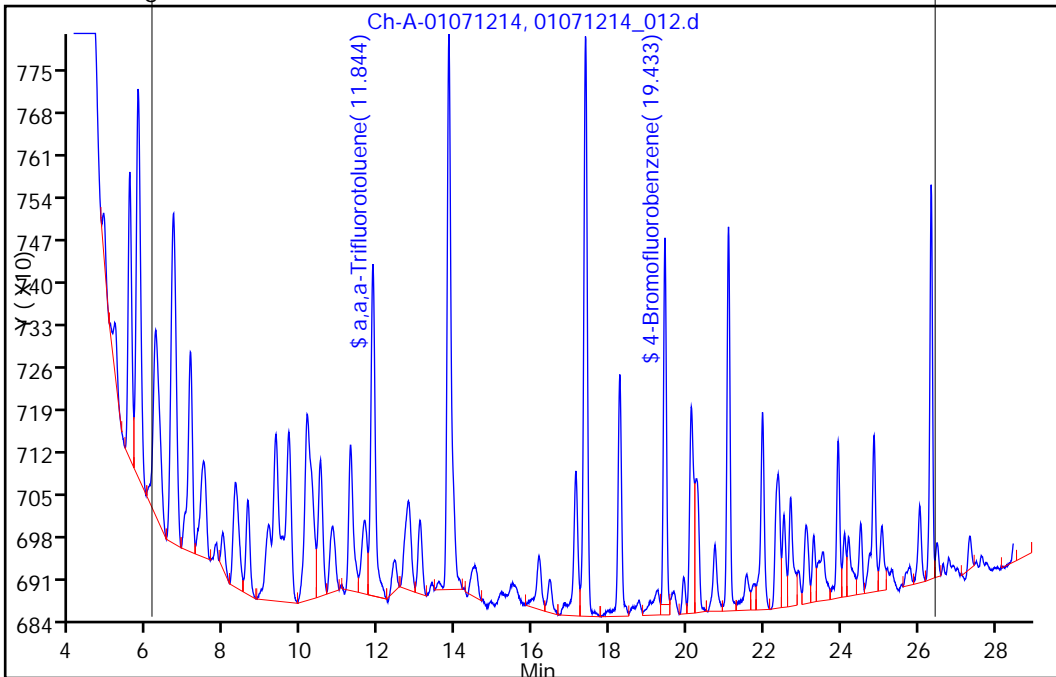
RT: 16.28  
Response: 167251  
Amount: 20.198163

Processing Integration Results



RT: 16.28  
Response: 173839  
Amount: 20.314179

Manual Integration Results



Reviewer: estesw, 08-Jan-2012 08:16:22  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_012.d

Injection Date: 07-Jan-2012 10:47:48

Limit Group: GCVOA\_8015B\_GRO

Client ID:

Instrument ID: INST13-14

Lims Batch ID: 137558

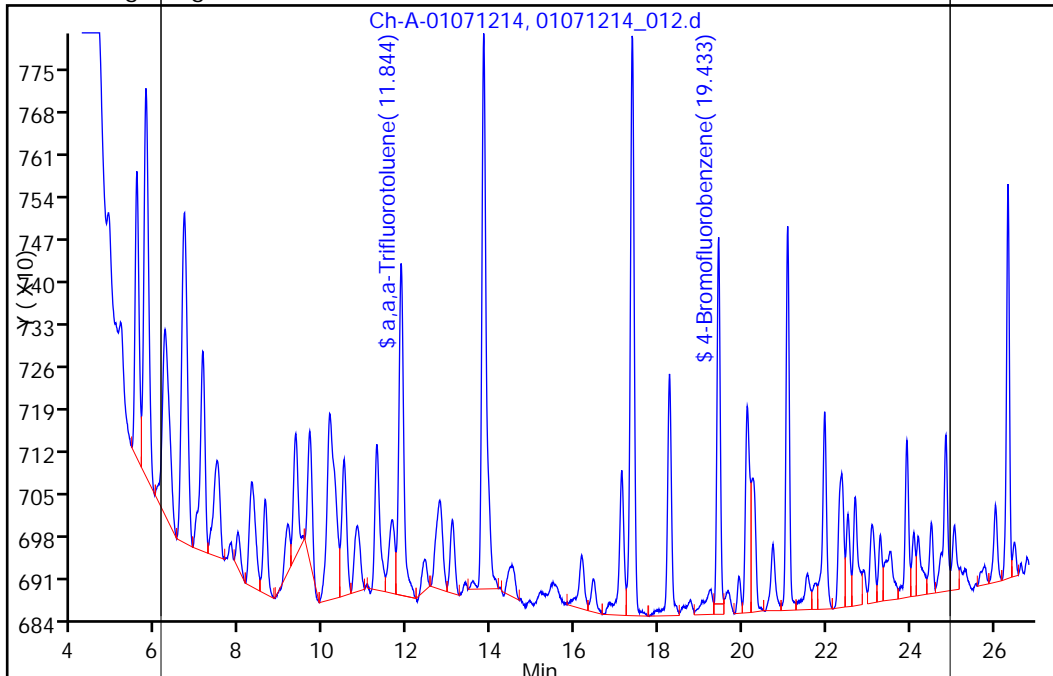
Lims Sample ID: 2

Operator ID: estesw

A 7 C6-C12, Signal: 1, Type: quant, RT: 15.53

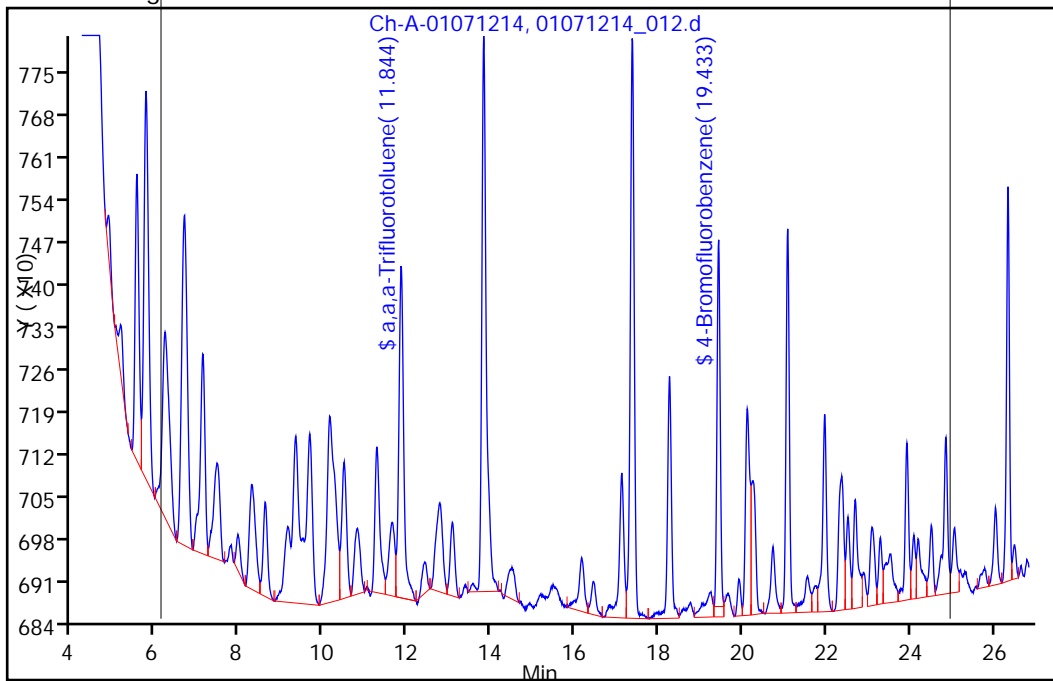
RT: 15.53  
Response: 157128  
Amount: 20.040576

Processing Integration Results



RT: 15.53  
Response: 163716  
Amount: 20.159169

Manual Integration Results



Reviewer: estesw, 08-Jan-2012 08:16:22

Audit Action: Manually Integrated

Audit Reason: Baseline Smoothing

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_013.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 11:23:02 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 2  
 Sample ID: #: cd= Name: 010712,gro14s,ic50  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 3  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:17 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw Date: 08-Jan-2012 08:17:19

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.850	-0.008	1181	2.39	
A 10 GRO	13.644	6.102 - 21.185		320850	50.9	
A 5 C5-C12	14.753	4.539 - 24.966		384052	49.2	M
A 7 C6-C12	15.534	6.102 - 24.966		362591	49.5	
A 6 C6-C10	16.278	6.102 - 26.453		370850	48.6	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	1235	2.33	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 08-Jan-2012 08:28:17

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_013.d

Injection Date: 07-Jan-2012 11:23:02

Limit Group: GCVOA\_8015B\_GRO

Client ID:

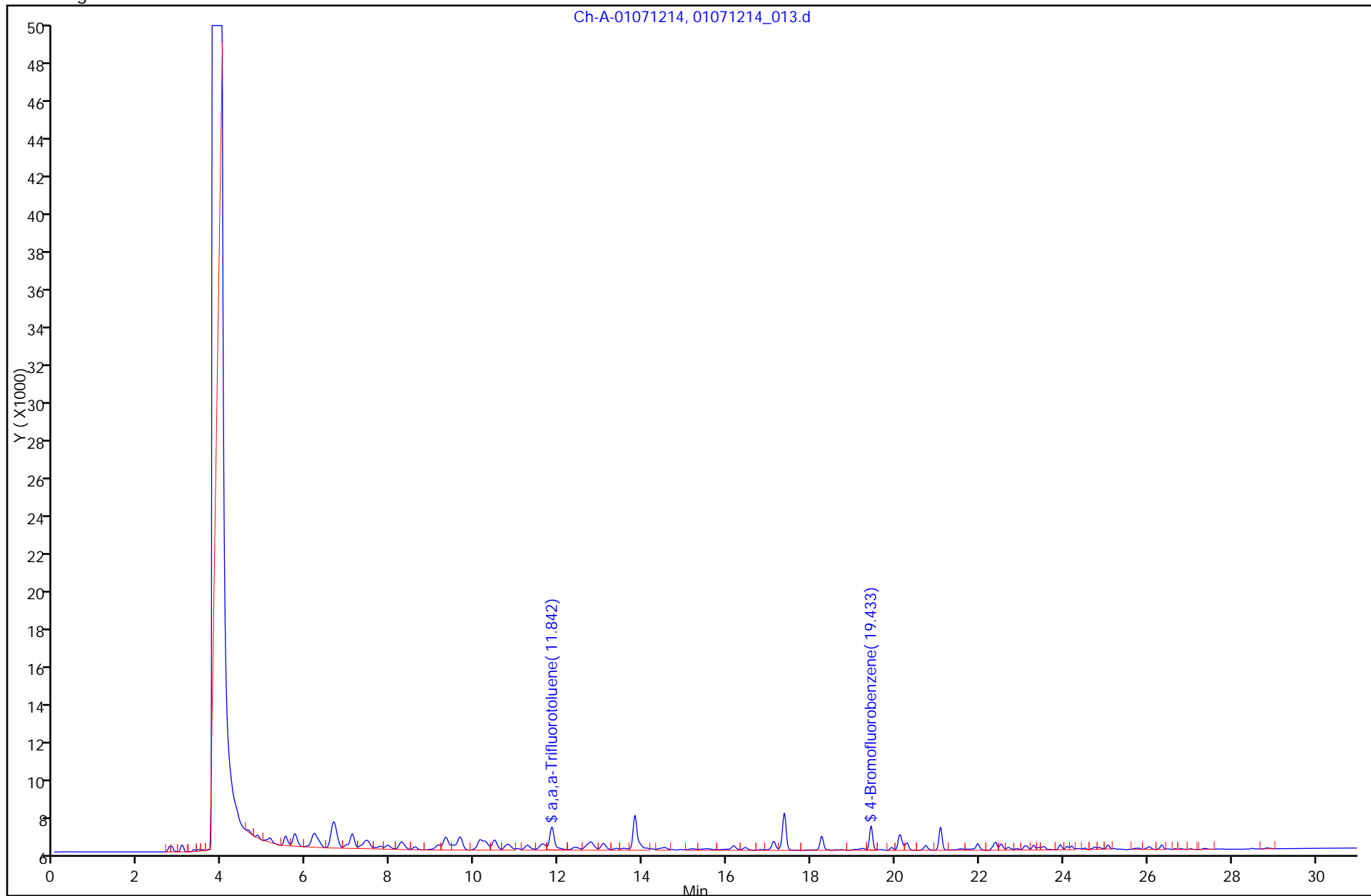
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 3

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value

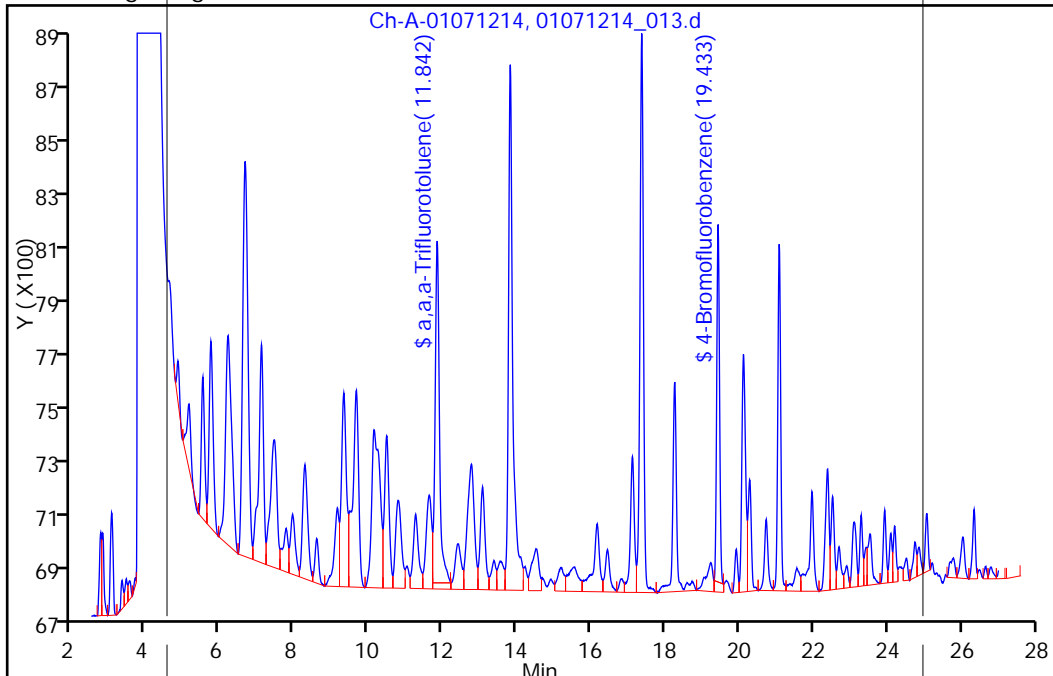


Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_013.d  
Injection Date: 07-Jan-2012 11:23:02 Limit Group: GCVOA\_8015B\_GRO  
Client ID: Instrument ID: INST13-14  
Lims Batch ID: 137558 Lims Sample ID: 3  
Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.75

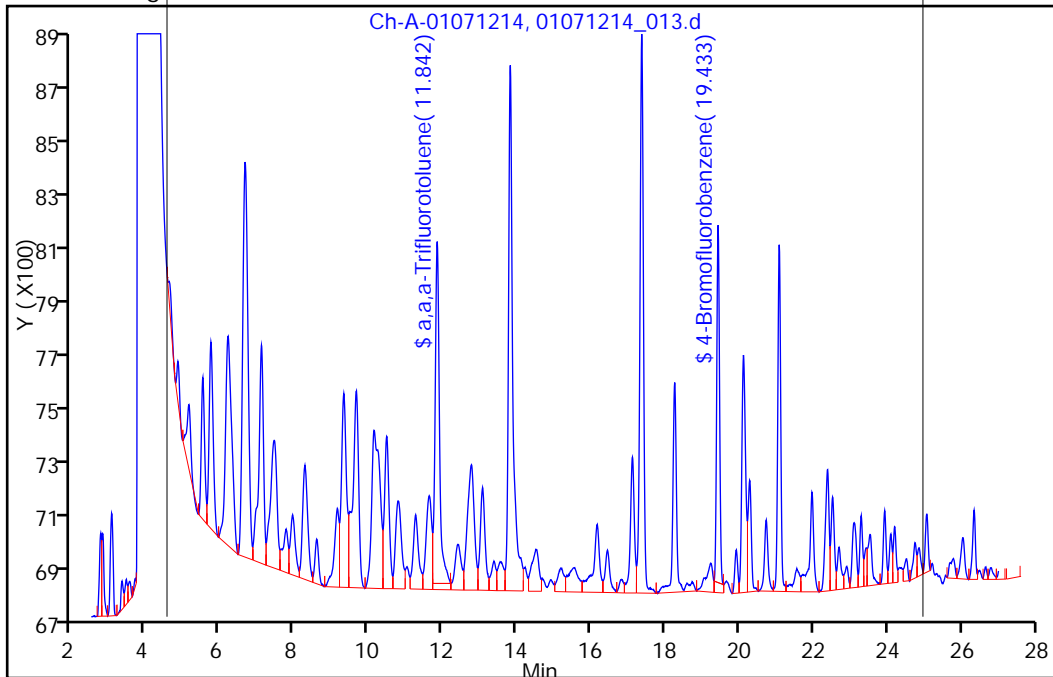
RT: 14.75  
Response: 383017  
Amount: 49.108568

Processing Integration Results



RT: 14.75  
Response: 384052  
Amount: 49.232378

Manual Integration Results



Reviewer: estesw, 08-Jan-2012 08:17:19  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

TestAmerica Laboratories  
 Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_014.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 11:58:28 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 3  
 Sample ID: #: cd= Name: 010712,gro14s,ic100  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 4  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:18 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	2408	5.02	
A 10 GRO	13.644	6.102 - 21.185		615685	99.3	
A 5 C5-C12	14.753	4.539 - 24.966		729653	98.9	
A 7 C6-C12	15.534	6.102 - 24.966		697605	98.9	
A 6 C6-C10	16.278	6.102 - 26.453		721741	98.8	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	2497	4.94	



Report Date: 08-Jan-2012 08:28:19

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_014.d

Injection Date: 07-Jan-2012 11:58:28

Limit Group: GCVOA\_8015B\_GRO

Client ID:

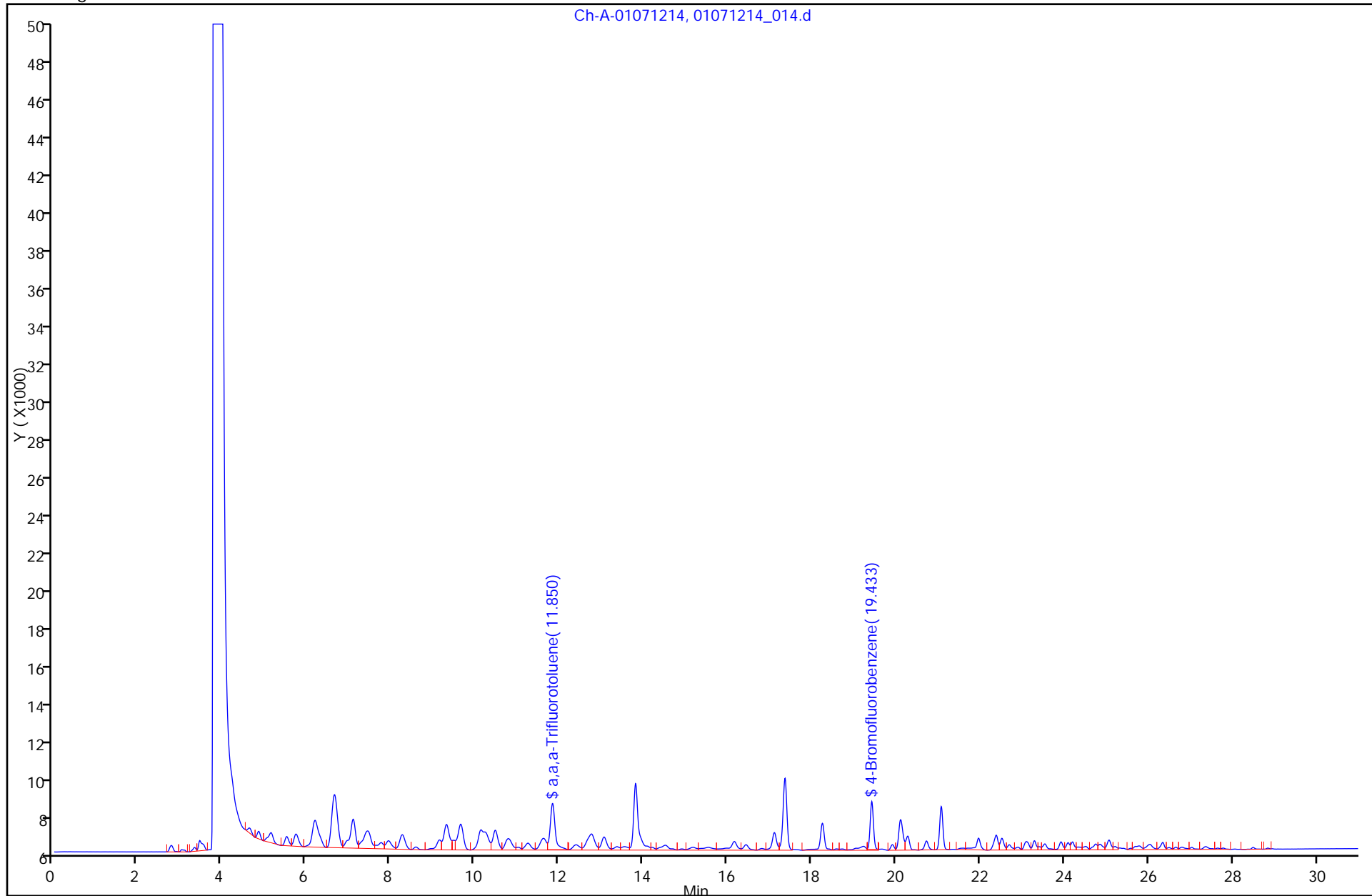
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 4

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_015.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 12:34:00 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 4  
 Sample ID: #: cd= Name: 010712,gro14s,ic200  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 5  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:19 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.850	-0.008	4745	10.0	
A 10 GRO	13.644	6.102 - 21.185		1203313	195.7	
A 5 C5-C12	14.753	4.539 - 24.966		1386382	193.4	
A 7 C6-C12	15.534	6.102 - 24.966		1335828	193.1	
A 6 C6-C10	16.278	6.102 - 26.453		1373061	192.2	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	4932	9.95	

Report Date: 08-Jan-2012 08:28:20

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_015.d

Injection Date: 07-Jan-2012 12:34:00

Limit Group: GCVOA\_8015B\_GRO

Client ID:

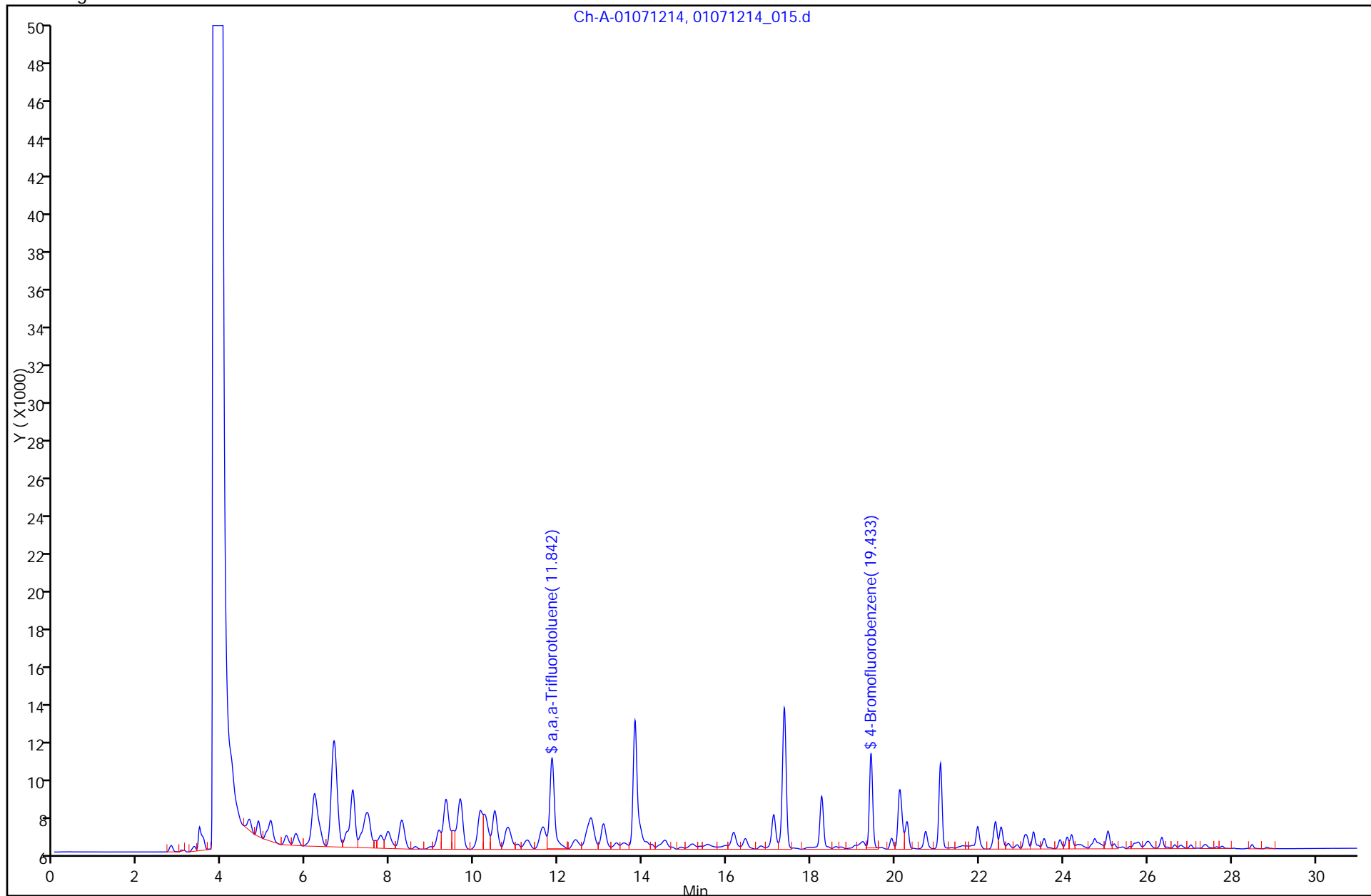
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_016.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 13:09:26 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 5  
 Sample ID: #: cd= Name: 010712,gro14s,ic400  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 6  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:21 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	9492	20.3	
A 10 GRO	13.644	6.102 - 21.185		2445492	399.5	
A 5 C5-C12	14.753	4.539 - 24.966		2838160	402.2	
A 7 C6-C12	15.534	6.102 - 24.966		2756197	402.7	
A 6 C6-C10	16.278	6.102 - 26.453		2857490	405.0	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	10073	20.5	

Report Date: 08-Jan-2012 08:28:21

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_016.d

Injection Date: 07-Jan-2012 13:09:26

Limit Group: GCVOA\_8015B\_GRO

Client ID:

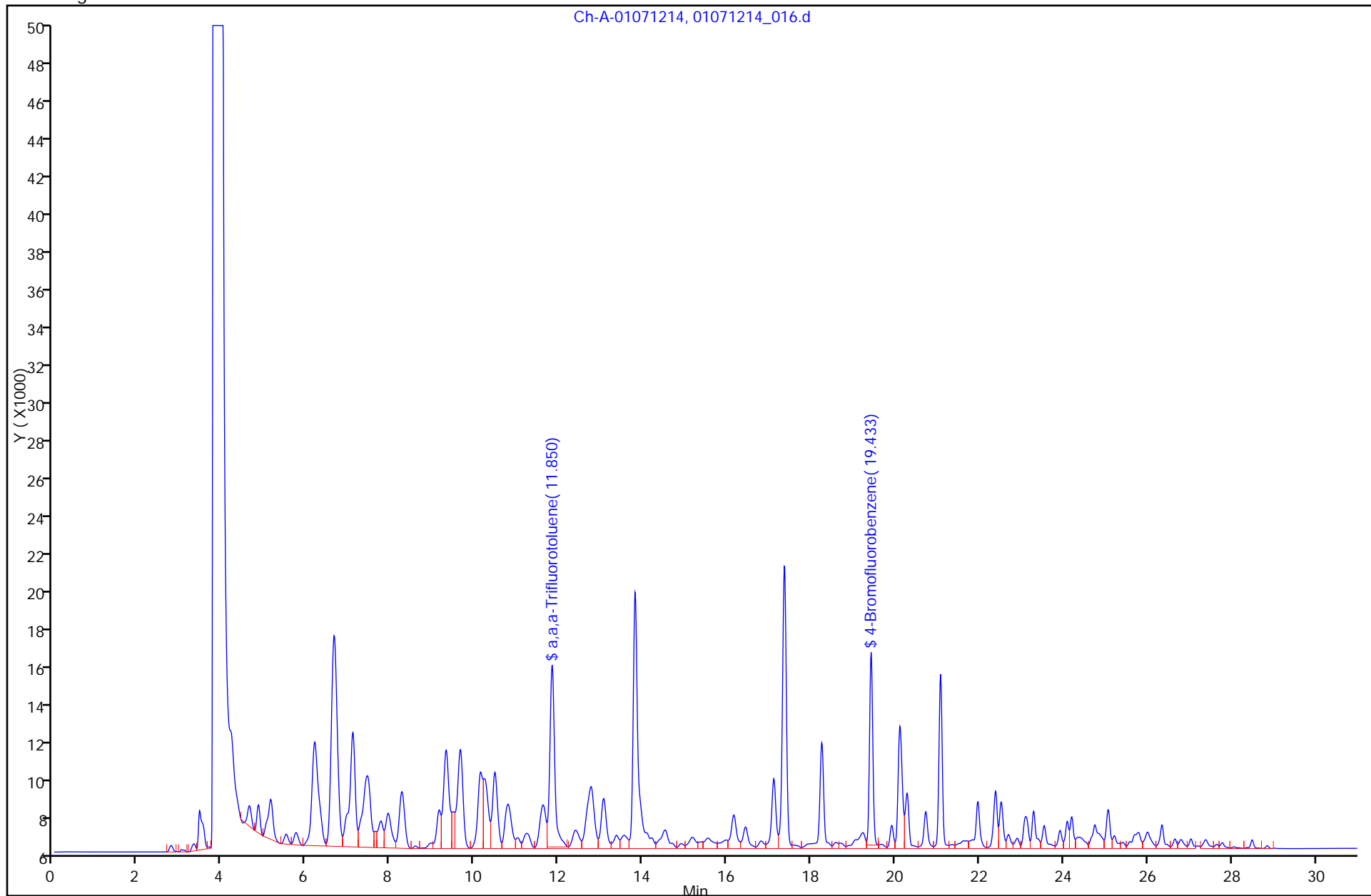
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 6

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_017.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 13:44:54 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 6  
 Sample ID: #: cd= Name: 010712,gro14s,ic600  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 7  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:22 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.844	-0.002	14249	30.5	
A 10 GRO	13.644	6.102 - 21.185		3733431	610.7	
A 5 C5-C12	14.753	4.539 - 24.966		4333798	617.3	
A 7 C6-C12	15.534	6.102 - 24.966		4205541	616.6	
A 6 C6-C10	16.278	6.102 - 26.453		4357769	620.0	
\$ 3 4-Bromofluorobenzene	19.425	19.433	-0.008	15003	30.7	

Report Date: 08-Jan-2012 08:28:22

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_017.d

Injection Date: 07-Jan-2012 13:44:54

Limit Group: GCVOA\_8015B\_GRO

Client ID:

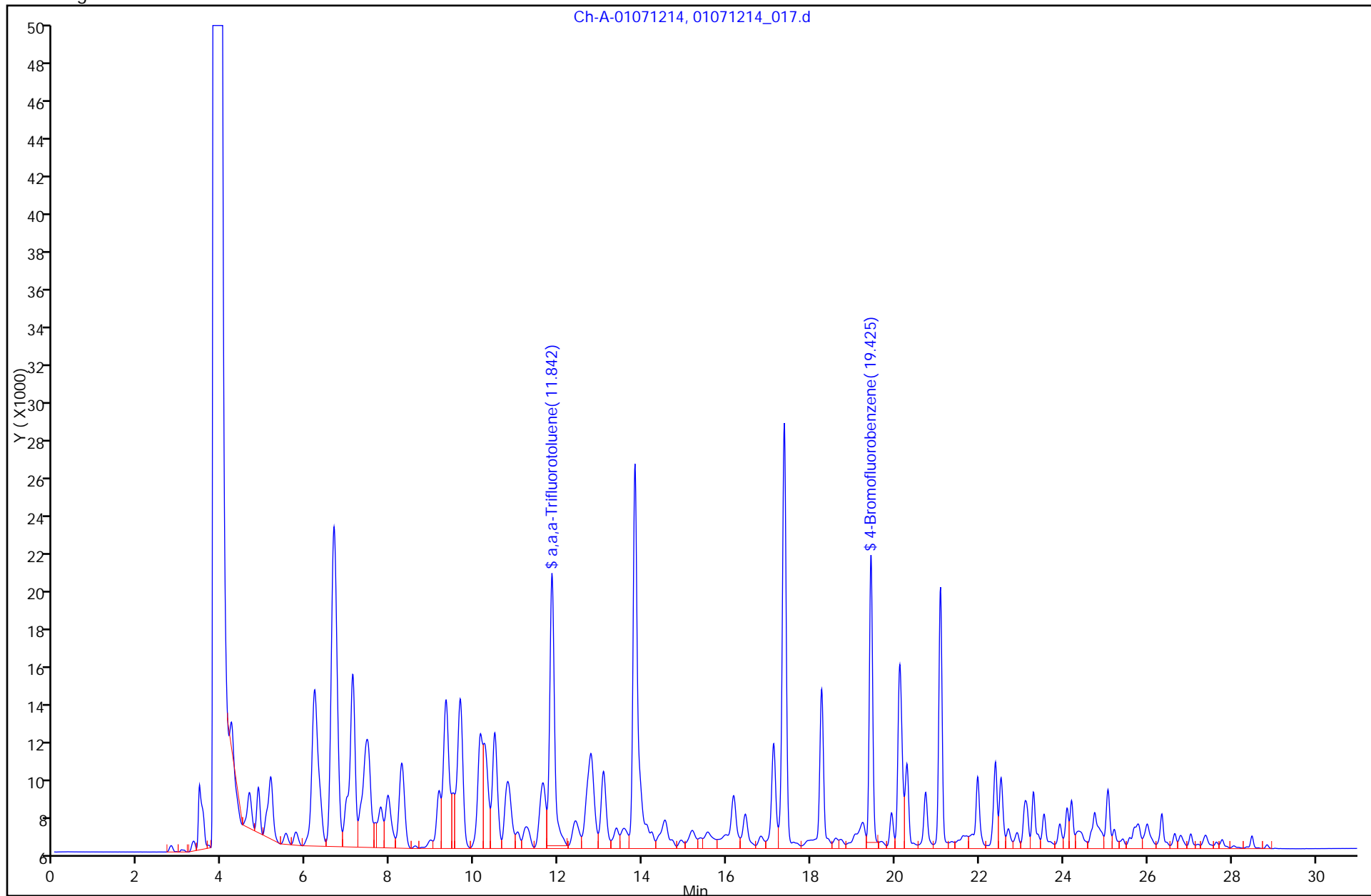
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 7

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Lims ID: ic Client ID:  
 Inject. Date: 07-Jan-2012 14:20:23 Dil. Factor: 1.0000  
 Sample Type: IC Calib Level: 7  
 Sample ID: #: cd= Name: 010712,gro14s,ic1000  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 8  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:28:23 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.844	-0.002	23121	49.6	
A 10 GRO	13.644	6.102 - 21.185		6096338	998.4	
A 5 C5-C12	14.753	4.539 - 24.966		7097547	1014.8	
A 7 C6-C12	15.534	6.102 - 24.966		6885390	1012.1	
A 6 C6-C10	16.278	6.102 - 26.453		7135551	1018.1	
\$ 3 4-Bromofluorobenzene	19.425	19.433	-0.008	24494	50.3	



Report Date: 08-Jan-2012 08:28:23

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d

Injection Date: 07-Jan-2012 14:20:23

Limit Group: GCVOA\_8015B\_GRO

Client ID:

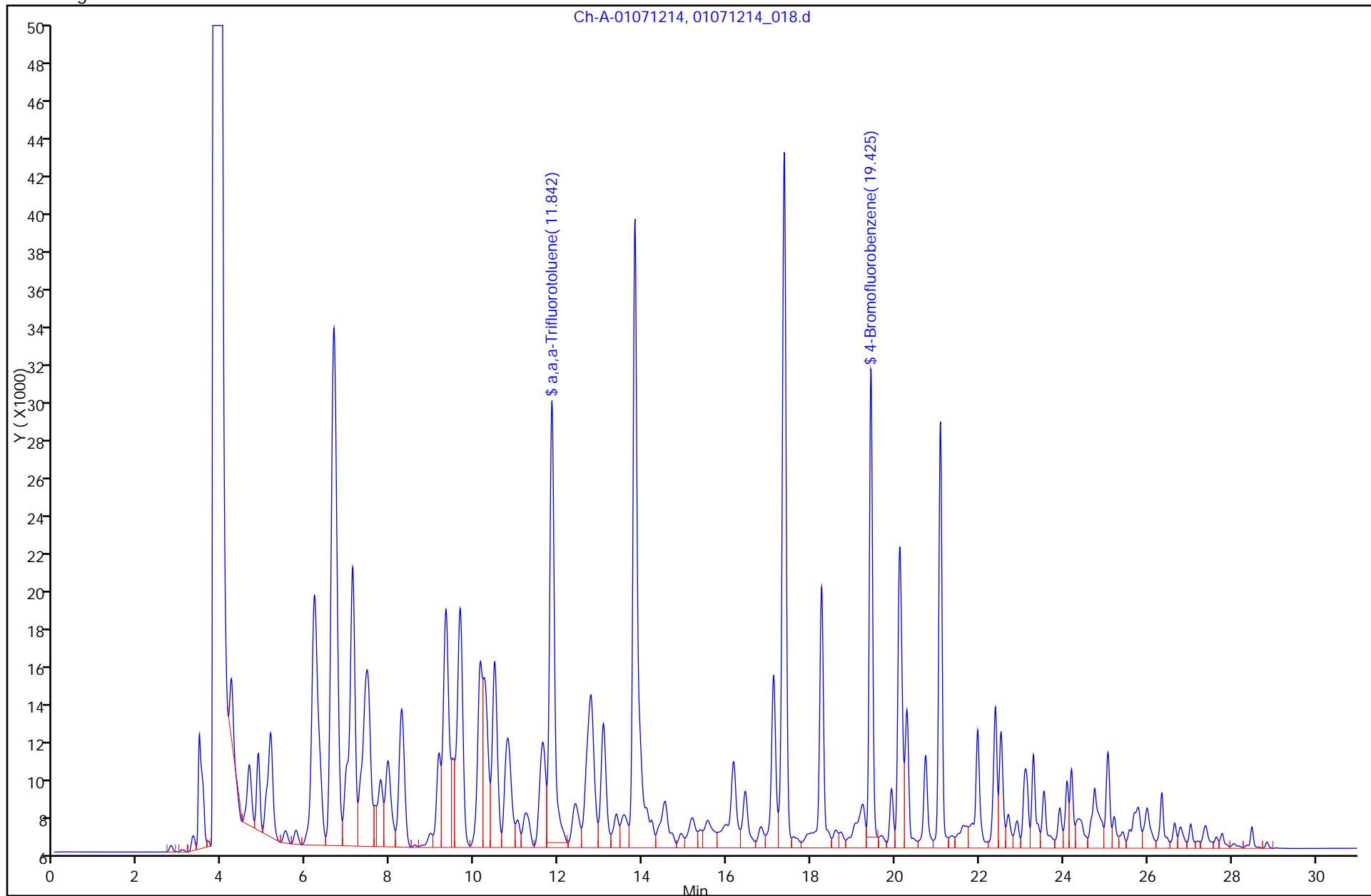
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 500-137537/10 Calibration Date: 01/07/2012 09:36  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01071214\_010.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6695		217	200	8.4	15.0
C5-C12	Lin2		7558		209	200	4.5	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7234		208	200	3.9	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7303		204	200	1.8	15.0
a, a, a-Trifluorotoluene	Lin2		486.0		20.3	20.0	1.5	15.0
4-Bromofluorobenzene	Lin2		459.8		19.6	20.0	-2.0	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 500-137537/10 Calibration Date: 01/07/2012 09:36  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01071214\_010.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.63	6.08	21.18
C5-C12	14.74	4.52	24.97
Gasoline Range Organics (GRO)-C6-C12	15.53	6.08	24.97
Gasoline Range Organics (GRO)-C6-C10	16.27	6.08	26.46
a,a,a-Trifluorotoluene	11.85	11.75	11.95
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_010.d  
 Lims ID: icv Client ID:  
 Inject. Date: 07-Jan-2012 09:36:50 Dil. Factor: 1.0000  
 Sample Type: ICV  
 Sample ID: #: cd= Name: 010712,gro14s,icv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137537 Lims Sample ID: 10  
 Sublist:  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\gro14.m  
 Last Update: 08-Jan-2012 07:43:52 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.850	11.850	0.0	9719	20.3	
A 10 GRO	13.634	6.083 - 21.184		1339047	216.7	
A 5 C5-C12	14.743	4.517 - 24.969		1511650	208.9	
A 7 C6-C12	15.526	6.083 - 24.969		1446867	207.8	
A 6 C6-C10	16.270	6.083 - 26.457		1460667	203.6	
\$ 3 4-Bromofluorobenzene	19.433	19.433	0.0	9196	19.6	

Report Date: 08-Jan-2012 07:43:53

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_010.d

Injection Date: 07-Jan-2012 09:36:50

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

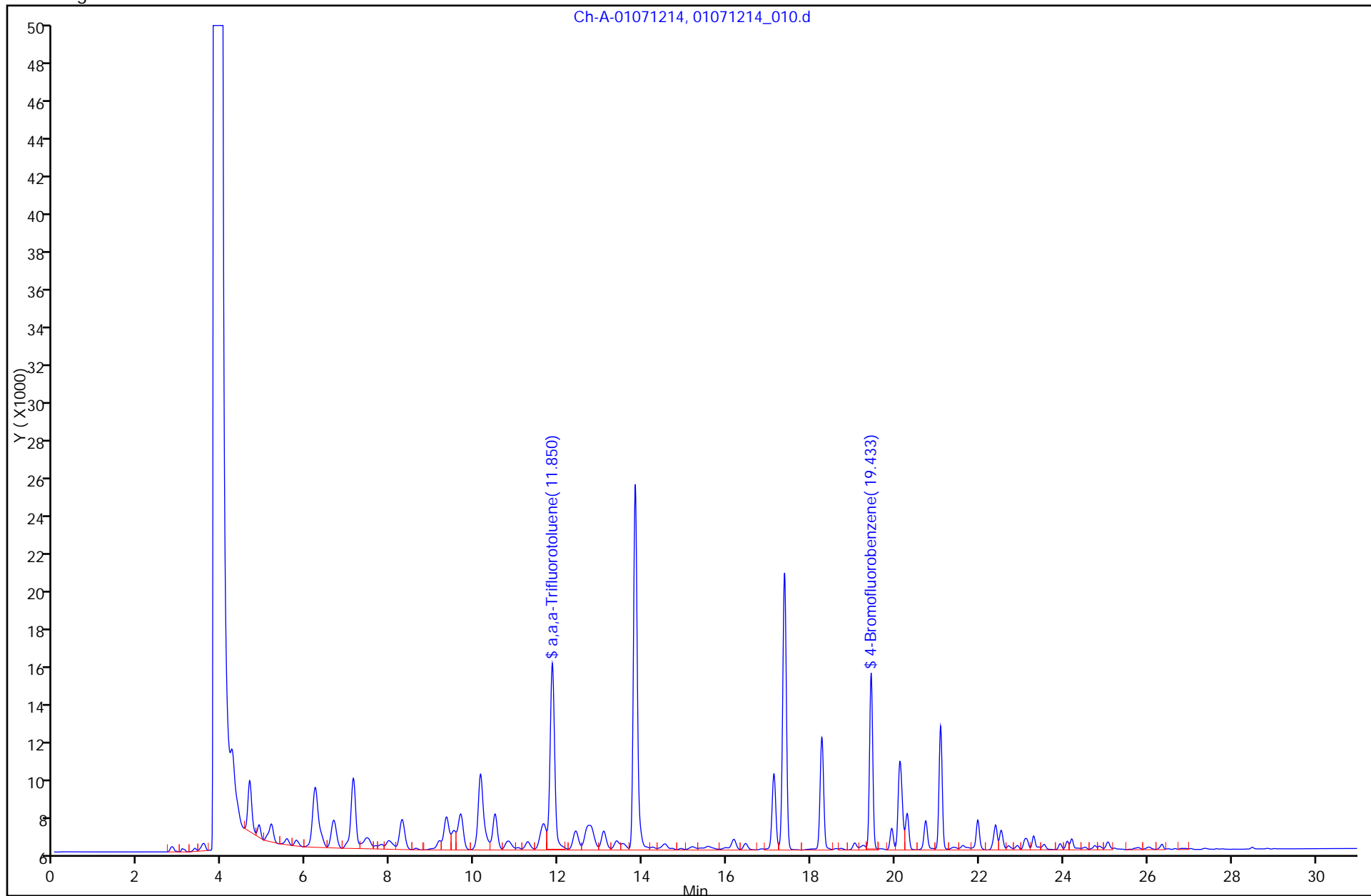
Instrument ID: INST13-14

Lims Batch ID: 137537

Lims Sample ID: 10

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 500-137558/9 Calibration Date: 01/07/2012 14:55  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01071214\_019.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6877		224	200	12.0	15.0
C5-C12	Lin2		7721		216	200	8.1	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7433		215	200	7.7	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7512		211	200	5.4	15.0
a, a, a-Trifluorotoluene	Lin2		475.1		20.3	20.0	1.5	15.0
4-Bromofluorobenzene	Lin2		485.1		19.8	20.0	-1.0	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: ICV 500-137558/9 Calibration Date: 01/07/2012 14:55  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01071214\_019.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.10	21.19
C5-C12	14.75	4.54	24.97
Gasoline Range Organics (GRO)-C6-C12	15.53	6.10	24.97
Gasoline Range Organics (GRO)-C6-C10	16.28	6.10	26.45
a,a,a-Trifluorotoluene	11.84	11.75	11.95
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_019.d  
 Lims ID: icv Client ID:  
 Inject. Date: 07-Jan-2012 14:55:57 Dil. Factor: 1.0000  
 Sample Type: ICV  
 Sample ID: #: cd= Name: 010712,gro14s,icv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 137558 Lims Sample ID: 9  
 Sublist:  
 Detector: Ch-A-01071214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\gro14s.m  
 Last Update: 08-Jan-2012 08:44:36 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 08-Jan-2012 08:22:12

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.850	-0.008	9502	20.3	
A 10 GRO	13.644	6.102 - 21.185		1375479	223.9	
A 5 C5-C12	14.753	4.539 - 24.966		1544209	216.1	
A 7 C6-C12	15.534	6.102 - 24.966		1486662	215.4	
A 6 C6-C10	16.278	6.102 - 26.453		1502316	210.7	
\$ 3 4-Bromofluorobenzene	19.425	19.433	-0.008	9702	19.8	



Report Date: 08-Jan-2012 08:44:36

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_019.d

Injection Date: 07-Jan-2012 14:55:57

Limit Group: GCVOA\_8015B\_GRO

Client ID:

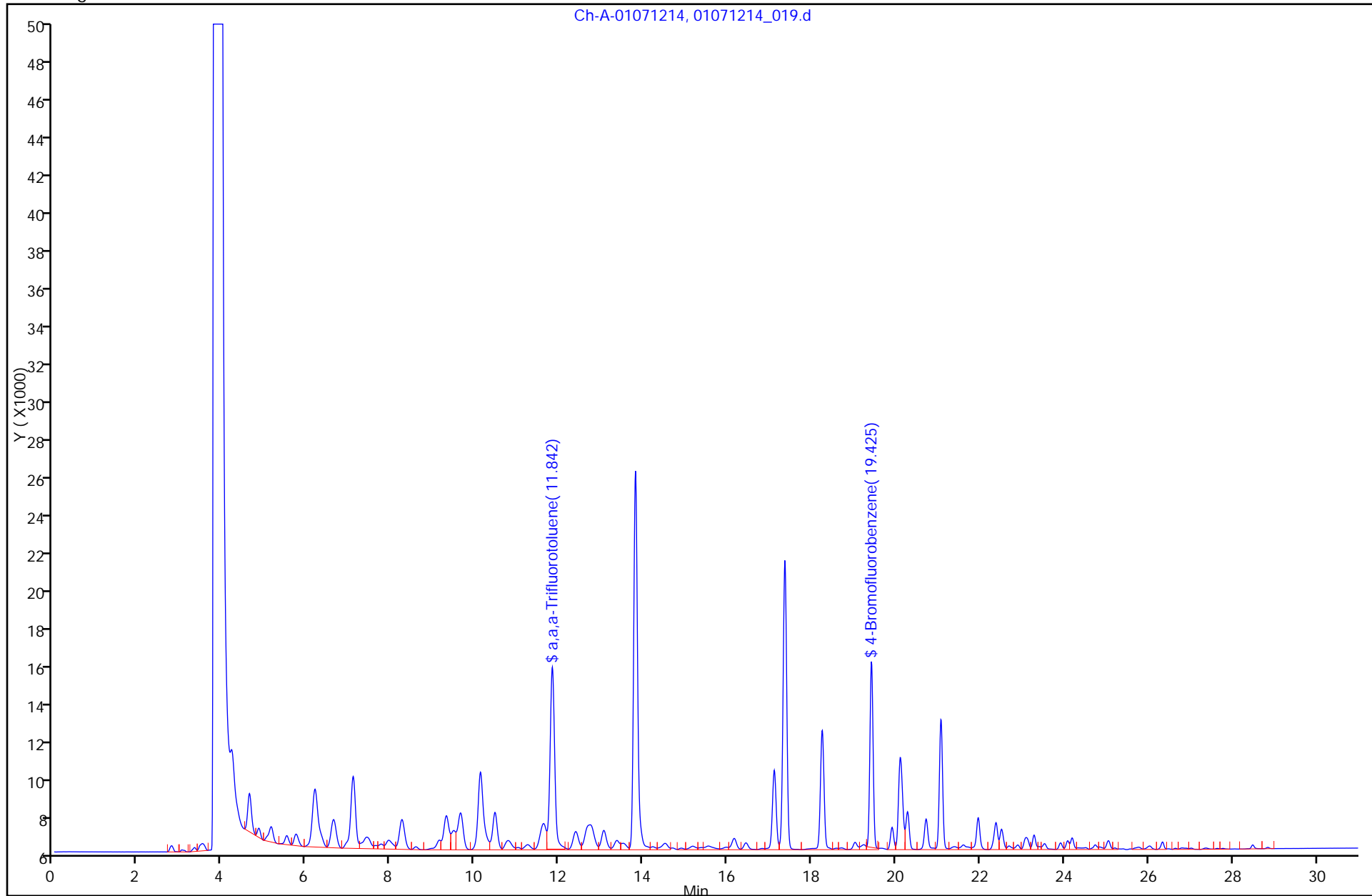
Instrument ID: INST13-14

Lims Batch ID: 137558

Lims Sample ID: 9

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139318/2 Calibration Date: 01/27/2012 08:44  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01271214\_002.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6358		416	400	3.9	15.0
C5-C12	Lin2		7454		418	400	4.5	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7171		417	400	4.3	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7399		418	400	4.5	15.0
a, a, a-Trifluorotoluene	Lin2		497.2		20.8	20.0	4.0	15.0
4-Bromofluorobenzene	Lin2		522.7		22.3	20.0	11.5	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139318/2 Calibration Date: 01/27/2012 08:44  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01271214\_002.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.11	21.18
C5-C12	14.75	4.54	24.96
Gasoline Range Organics (GRO)-C6-C12	15.54	6.11	24.96
Gasoline Range Organics (GRO)-C6-C10	16.28	6.11	26.45
a,a,a-Trifluorotoluene	11.84	11.74	11.94
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_002.d  
 Lims ID: ccv Client ID:  
 Inject. Date: 27-Jan-2012 08:44:28 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: #: cd= Name: 012712,gro14m,ccv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 2  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw Date: 27-Jan-2012 09:49:53

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.842	11.844	-0.002	9944	20.8	
A 10 GRO	13.644	6.108 - 21.180		2543293	415.5	
A 5 C5-C12	14.753	4.543 - 24.962		2981594	418.0	
A 7 C6-C12	15.535	6.108 - 24.962		2868343	417.1	
A 6 C6-C10	16.278	6.108 - 26.448		2959527	418.1	
\$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	10454	22.3	

Report Date: 28-Jan-2012 00:31:18

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_002.d

Injection Date: 27-Jan-2012 08:44:28

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

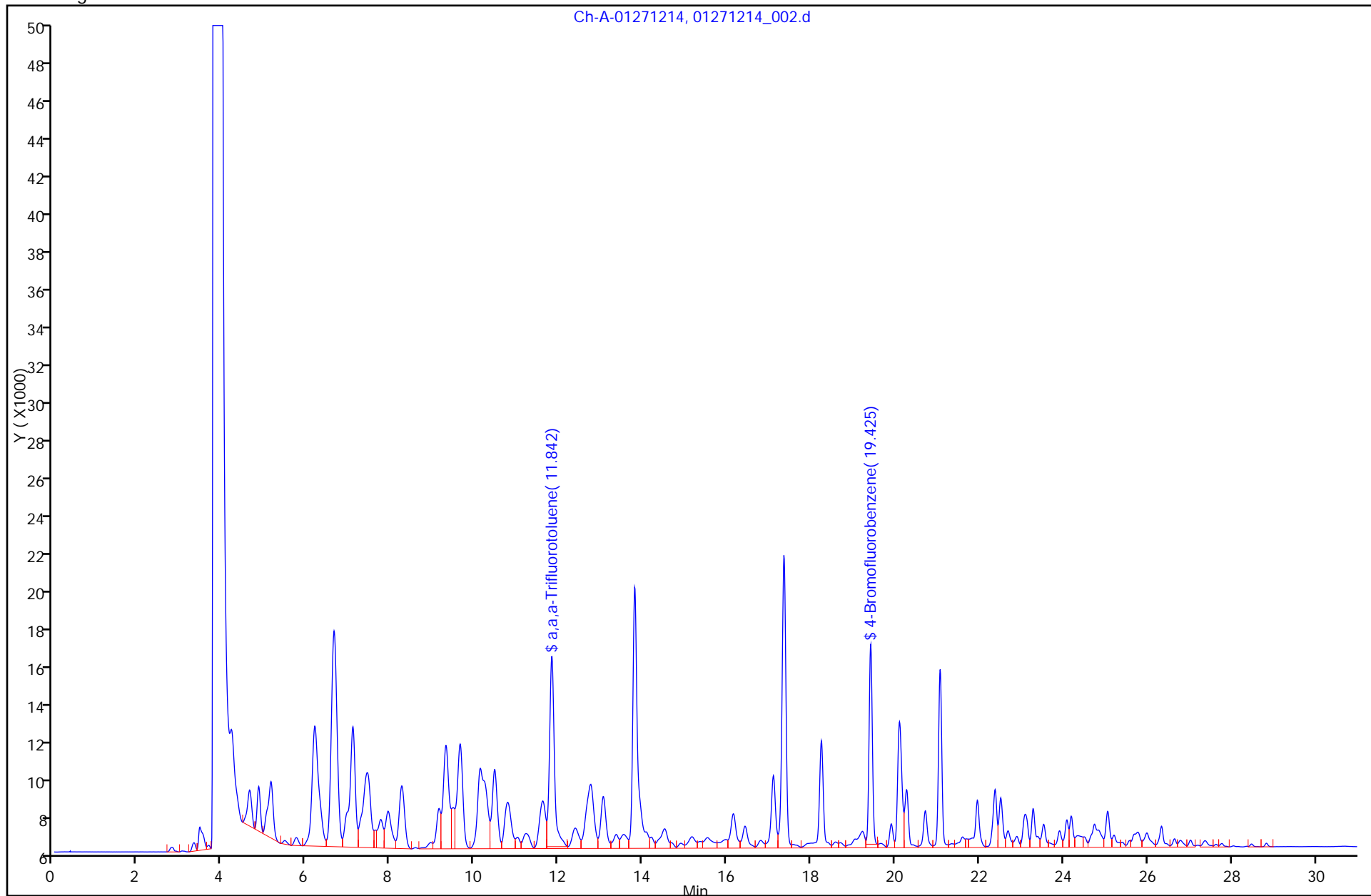
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 2

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139318/8 Calibration Date: 01/27/2012 12:17  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01271214\_008.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6365		416	400	4.0	15.0
C5-C12	Lin2		7444		417	400	4.4	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7186		418	400	4.5	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7402		418	400	4.6	15.0
a, a, a-Trifluorotoluene	Lin2		487.1		20.4	20.0	2.0	15.0
4-Bromofluorobenzene	Lin2		517.2		22.1	20.0	10.5	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139318/8 Calibration Date: 01/27/2012 12:17  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 05:28  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 09:01  
 Lab File ID: 01271214\_008.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.11	21.18
C5-C12	14.75	4.54	24.96
Gasoline Range Organics (GRO)-C6-C12	15.54	6.11	24.96
Gasoline Range Organics (GRO)-C6-C10	16.28	6.11	26.45
a,a,a-Trifluorotoluene	11.83	11.74	11.94
4-Bromofluorobenzene	19.41	19.33	19.53

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_008.d  
 Lims ID: ccv Client ID:  
 Inject. Date: 27-Jan-2012 12:17:52 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: #: cd= Name: 012712,gro14m,ccv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 8  
 Sublist: chrom-gro14\*sub1  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:21 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.844	-0.019	9742	20.4	
A 10 GRO	13.644	6.108 - 21.180		2546070	416.0	
A 5 C5-C12	14.753	4.543 - 24.962		2977709	417.4	
A 7 C6-C12	15.535	6.108 - 24.962		2874214	417.9	
A 6 C6-C10	16.278	6.108 - 26.448		2960605	418.3	
\$ 3 4-Bromofluorobenzene	19.408	19.428	-0.020	10344	22.1	



Report Date: 28-Jan-2012 00:31:22

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_008.d

Injection Date: 27-Jan-2012 12:17:52

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

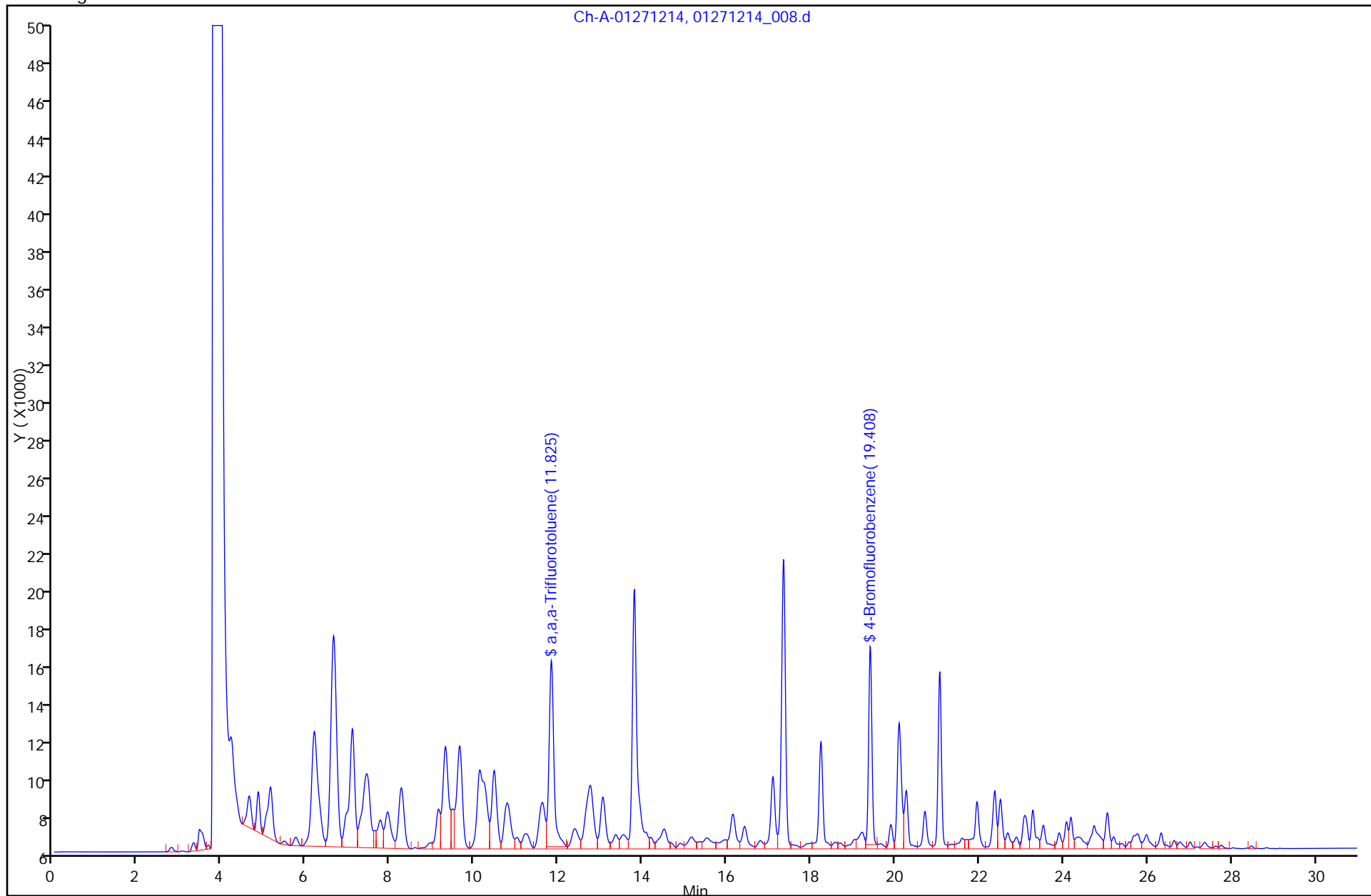
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139321/2 Calibration Date: 01/27/2012 13:28  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01271214\_010.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6406		419	400	4.7	15.0
C5-C12	Lin2		7475		424	400	6.0	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7247		424	400	6.0	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7509		426	400	6.5	15.0
a, a, a-Trifluorotoluene	Lin2		476.8		20.3	20.0	1.5	15.0
4-Bromofluorobenzene	Lin2		546.6		22.3	20.0	11.5	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139321/2 Calibration Date: 01/27/2012 13:28  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01271214\_010.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.62	6.07	21.17
C5-C12	14.73	4.50	24.95
Gasoline Range Organics (GRO)-C6-C12	15.51	6.07	24.95
Gasoline Range Organics (GRO)-C6-C10	16.25	6.07	26.43
a,a,a-Trifluorotoluene	11.83	11.73	11.93
4-Bromofluorobenzene	19.41	19.31	19.51

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_010.d  
 Lims ID: ccv Client ID:  
 Inject. Date: 27-Jan-2012 13:28:45 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: #: cd= Name: 012712,gro14s,ccv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 2  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.825	11.825	0.0	9535	20.3	
A 10 GRO	13.617	6.069 - 21.165		2562213	418.6	
A 5 C5-C12	14.726	4.503 - 24.948		2989976	424.0	
A 7 C6-C12	15.509	6.069 - 24.948		2898934	423.8	
A 6 C6-C10	16.251	6.069 - 26.434		3003437	425.9	
\$ 3 4-Bromofluorobenzene	19.408	19.408	0.0	10931	22.3	

Report Date: 28-Jan-2012 00:36:35

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_010.d

Injection Date: 27-Jan-2012 13:28:45

Limit Group: GCVOA\_8015B\_GRO

Client ID:

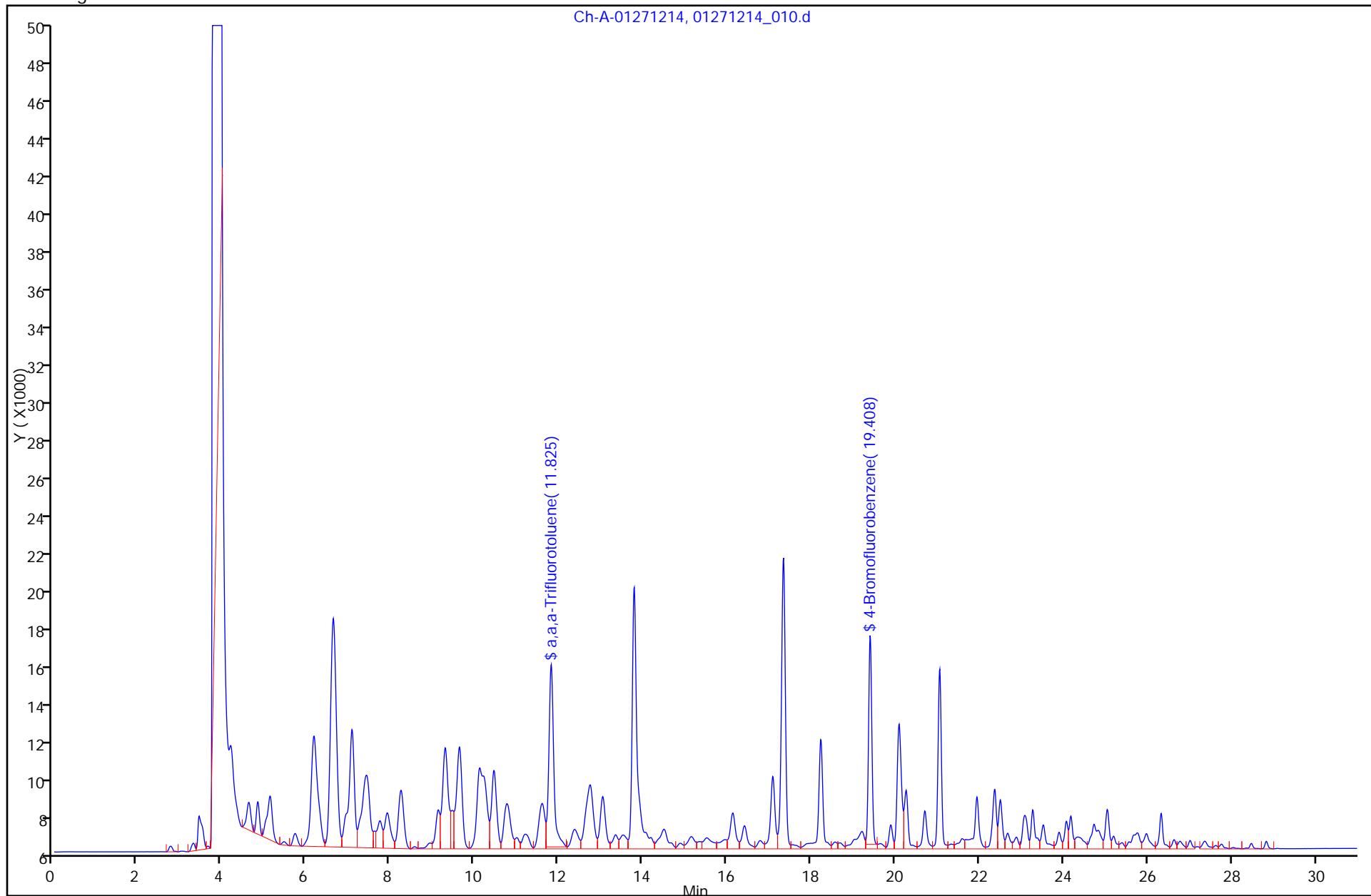
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 2

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM VII  
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139321/13 Calibration Date: 01/27/2012 19:59  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01271214\_021.d Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6108		399	400	-0.2	15.0
C5-C12	Lin2		7100		402	400	0.6	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		6887		403	400	0.6	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7121		404	400	0.9	15.0
a, a, a-Trifluorotoluene	Lin2		460.7		19.7	20.0	-1.5	15.0
4-Bromofluorobenzene	Lin2		530.5		21.7	20.0	8.5	15.0

FORM VII  
 GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Lab Sample ID: CCV 500-139321/13 Calibration Date: 01/27/2012 19:59  
 Instrument ID: INST13-14 Calib Start Date: 01/07/2012 10:47  
 GC Column: DB624 ID: 0.20 (mm) Calib End Date: 01/07/2012 14:20  
 Lab File ID: 01271214\_021.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.62	6.07	21.17
C5-C12	14.73	4.50	24.95
Gasoline Range Organics (GRO)-C6-C12	15.51	6.07	24.95
Gasoline Range Organics (GRO)-C6-C10	16.25	6.07	26.43
a,a,a-Trifluorotoluene	11.83	11.72	11.92
4-Bromofluorobenzene	19.42	19.31	19.51

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_021.d  
 Lims ID: ccv Client ID:  
 Inject. Date: 27-Jan-2012 19:59:20 Dil. Factor: 1.0000  
 Sample Type: CCV  
 Sample ID: #: cd= Name: 012712,gro14s,ccv  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 13  
 Sublist: chrom-gro14s\*sub1  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:43 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.820	0.013	9214	19.7	
A 10 GRO	13.617	6.069 - 21.165		2443302	399.1	
A 5 C5-C12	14.726	4.503 - 24.948		2839992	402.4	
A 7 C6-C12	15.509	6.069 - 24.948		2754650	402.5	
A 6 C6-C10	16.251	6.069 - 26.434		2848467	403.7	
\$ 3 4-Bromofluorobenzene	19.417	19.410	0.007	10609	21.7	



Report Date: 28-Jan-2012 00:36:43

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_021.d

Injection Date: 27-Jan-2012 19:59:20

Limit Group: GCVOA\_8015B\_GRO

Client ID:

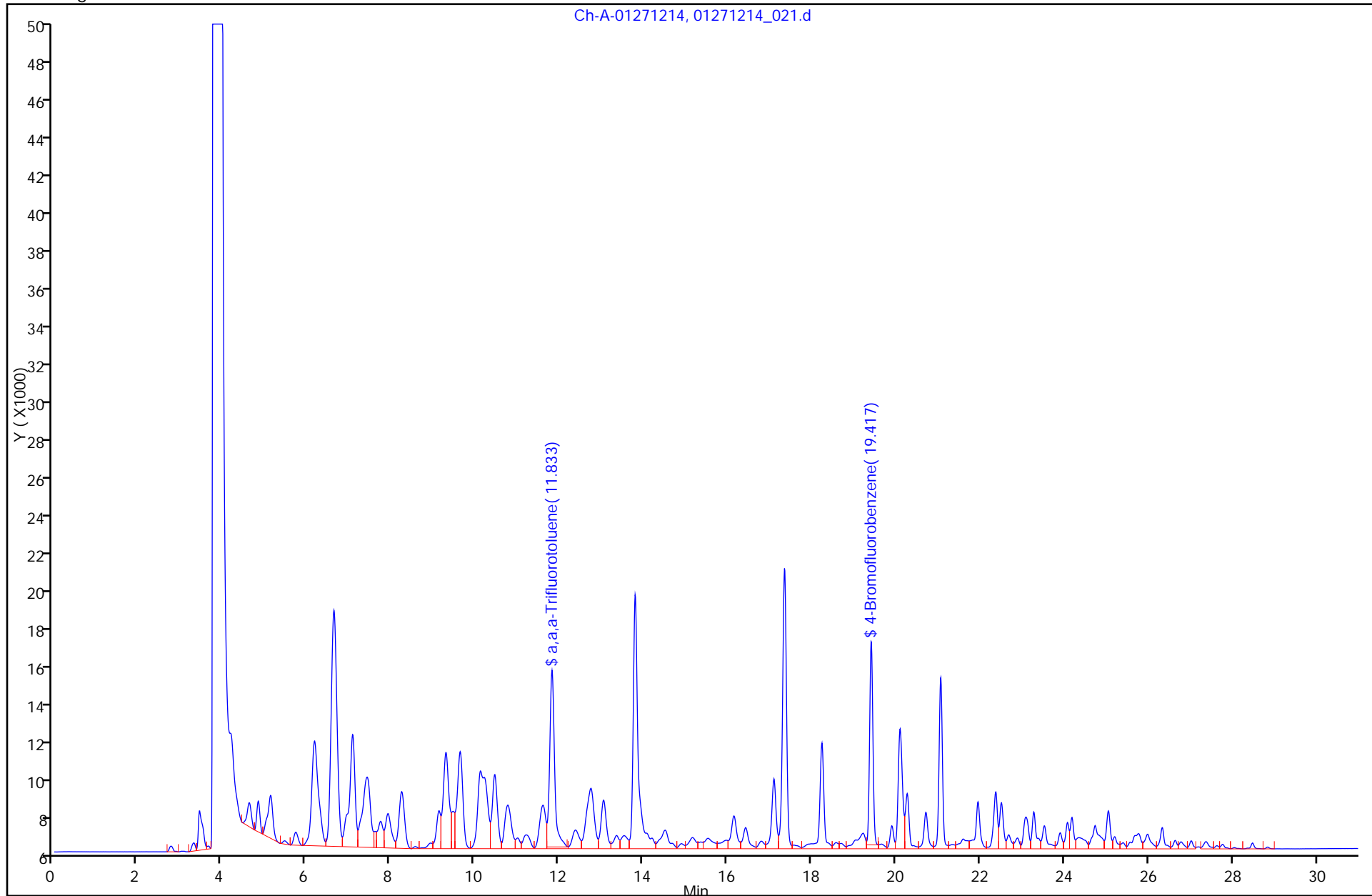
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 13

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 500-139318/3  
 Matrix: Solid Lab File ID: 01271214\_003.d  
 Analysis Method: 8015B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/27/2012 09:20  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 5 (mL) GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Medium  
 Analysis Batch No.: 139318 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	<1.0		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	106		70-130
98-08-8	a,a,a-Trifluorotoluene	102		70-130

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_003.d  
 Lims ID: mb Client ID:  
 Inject. Date: 27-Jan-2012 09:20:00 Dil. Factor: 50.0000  
 Sample Type: MB  
 Sample ID: #: cd= Name: 012712,gro14m,mb  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 3  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 27-Jan-2012 09:50:20

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.835	11.844	-0.009	9775	20.4	
\$ 3 4-Bromofluorobenzene	19.417	19.428	-0.011	9890	21.1	

Report Date: 28-Jan-2012 00:31:18

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_003.d

Injection Date: 27-Jan-2012 09:20:00

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

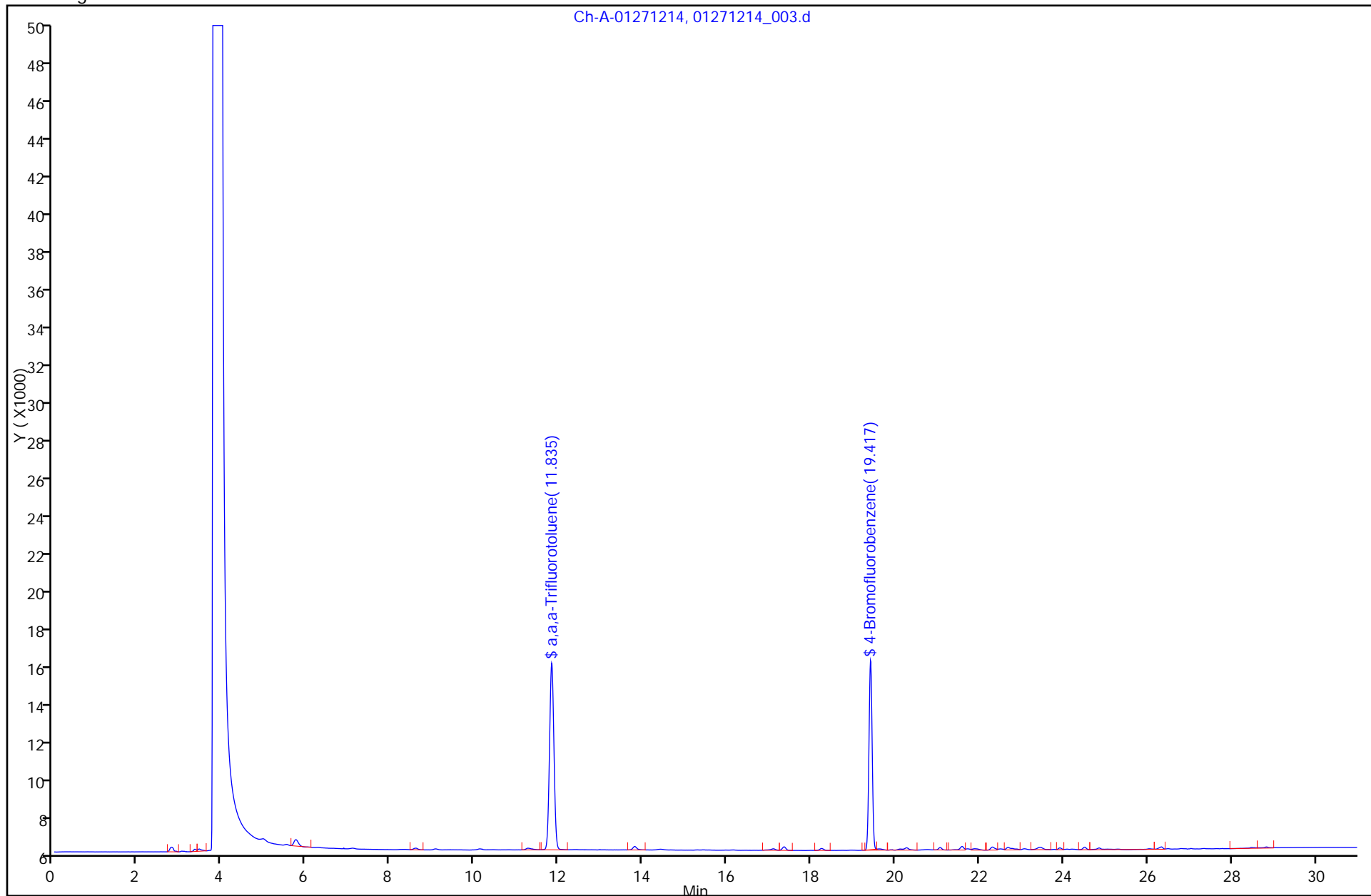
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 3

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: MB 500-139321/3  
 Matrix: Solid Lab File ID: 01271214\_011.d  
 Analysis Method: 8015B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/27/2012 14:04  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	<0.020		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	109		51-117
98-08-8	a,a,a-Trifluorotoluene	102		64-116

TestAmerica Laboratories  
 Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_011.d  
 Lims ID: mb Client ID:  
 Inject. Date: 27-Jan-2012 14:04:10 Dil. Factor: 1.0000  
 Sample Type: MB  
 Sample ID: #: cd= Name: 012712,gro14s,mb  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 3  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 28-Jan-2012 00:33:04

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.817	11.820	-0.003	9570	20.4	
\$ 3 4-Bromofluorobenzene	19.408	19.410	-0.002	10643	21.7	

Report Date: 28-Jan-2012 00:36:36

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_011.d

Injection Date: 27-Jan-2012 14:04:10

Limit Group: GCVOA\_8015B\_GRO

Client ID:

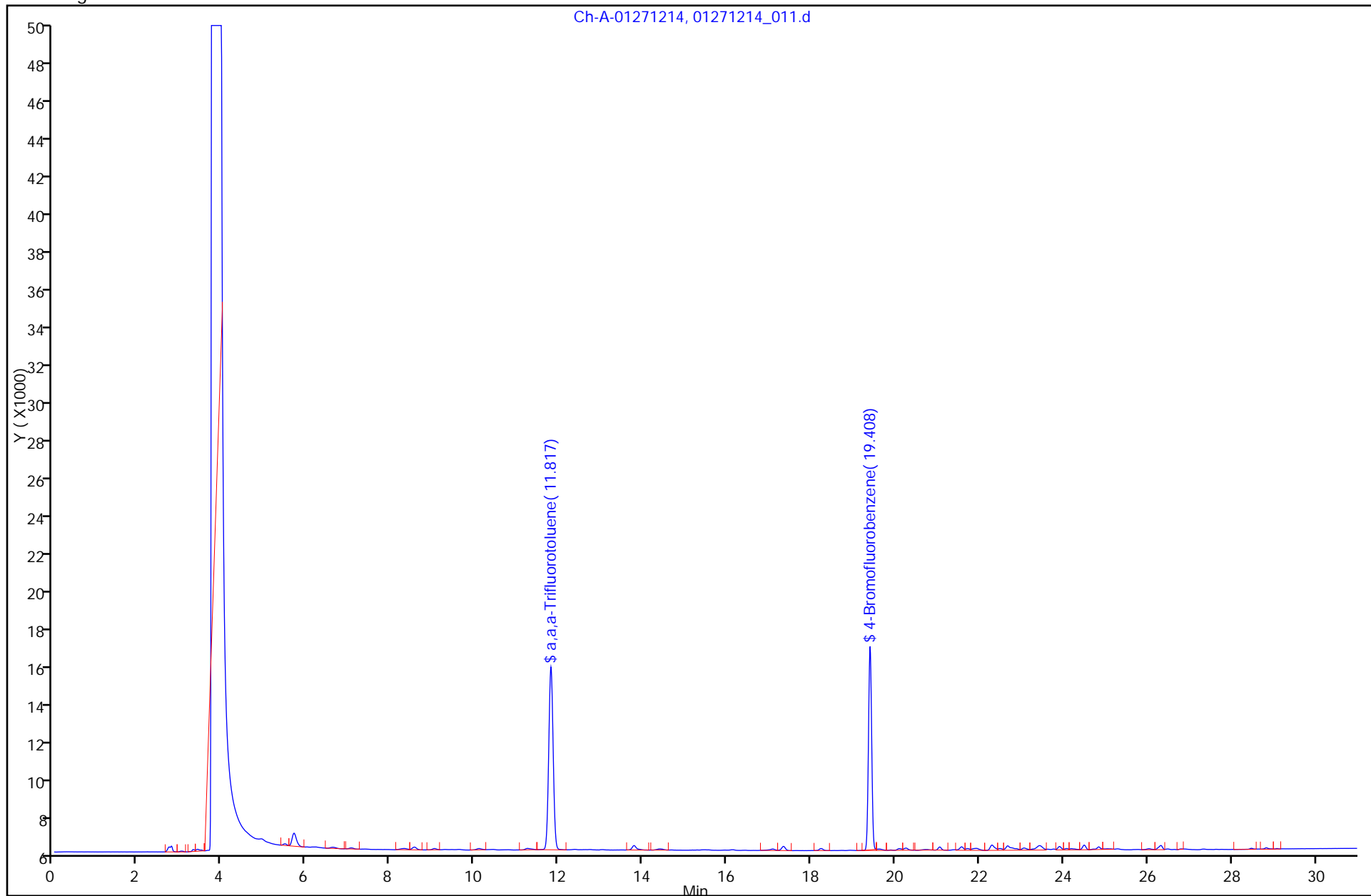
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 3

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 500-139318/4  
 Matrix: Solid Lab File ID: 01271214\_004.d  
 Analysis Method: 8015B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5 (mL) Date Analyzed: 01/27/2012 09:55  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 5 (mL) GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Medium  
 Analysis Batch No.: 139318 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	22.2		1.0	0.20

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	111		70-130
98-08-8	a,a,a-Trifluorotoluene	105		70-130



TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_004.d  
 Lims ID: lcs Client ID:  
 Inject. Date: 27-Jan-2012 09:55:32 Dil. Factor: 50.0000  
 Sample Type: LCS  
 Sample ID: #: cd= Name: 012712,gro14m,lcs  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 4  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.844	-0.011	10005	20.9	
A 10 GRO	13.644	6.108 - 21.180		2791617	456.5	
A 5 C5-C12	14.753	4.543 - 24.962		3165871	444.2	
A 7 C6-C12	15.535	6.108 - 24.962		3038344	442.1	
A 6 C6-C10	16.278	6.108 - 26.448		3071650	434.2	
\$ 3 4-Bromofluorobenzene	19.417	19.428	-0.011	10362	22.1	

Report Date: 28-Jan-2012 00:31:19

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_004.d

Injection Date: 27-Jan-2012 09:55:32

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

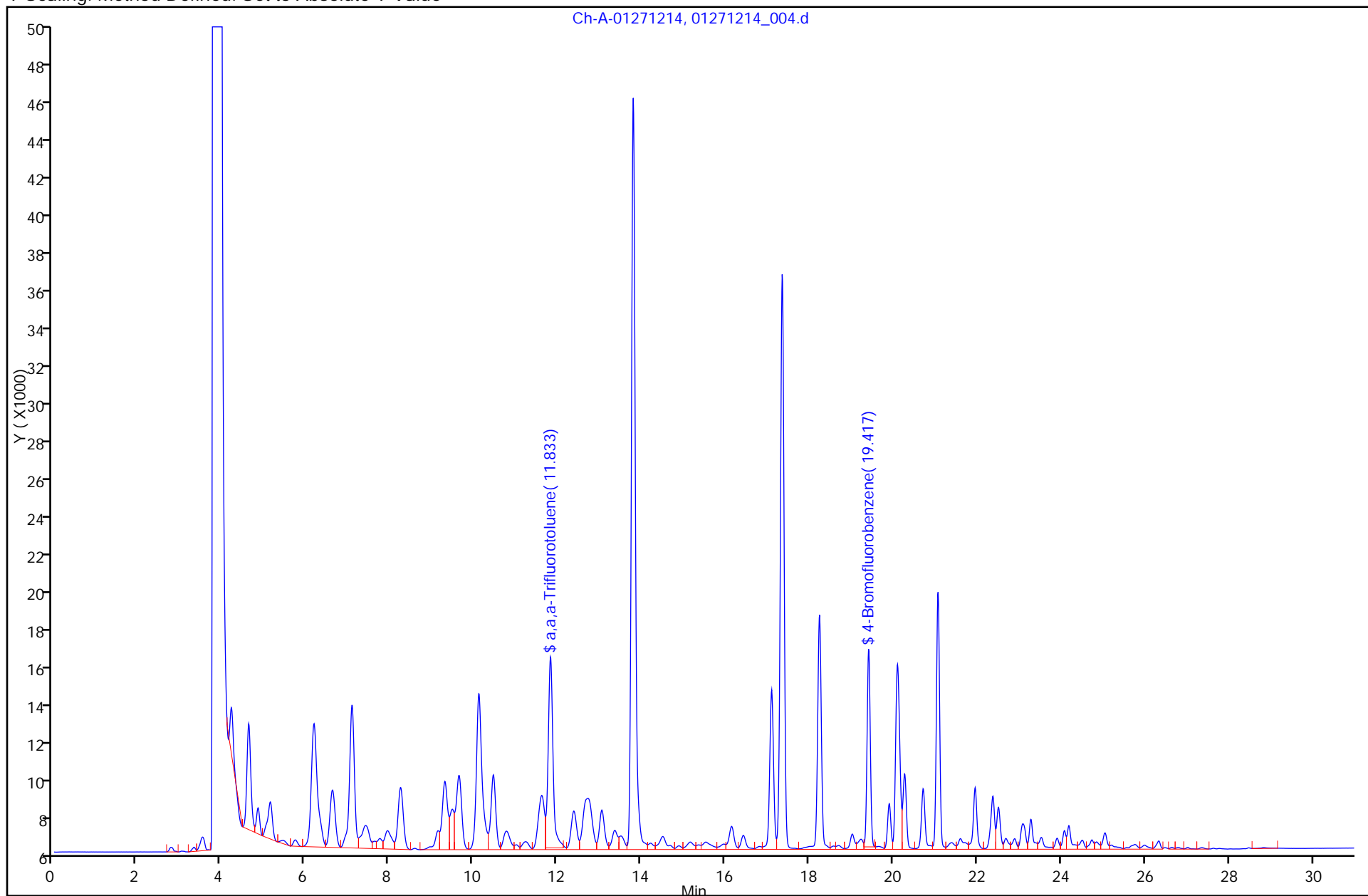
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 4

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCS 500-139321/4  
 Matrix: Solid Lab File ID: 01271214\_012.d  
 Analysis Method: 8015B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/27/2012 14:39  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.442		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	112		51-117
98-08-8	a,a,a-Trifluorotoluene	104		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_012.d  
 Lims ID: lcs Client ID:  
 Inject. Date: 27-Jan-2012 14:39:33 Dil. Factor: 1.0000  
 Sample Type: LCS  
 Sample ID: #: cd= Name: 012712,gro14s,lcs  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 4  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.817	11.820	-0.003	9736	20.8	
A 10 GRO	13.617	6.069 - 21.165		2750614	449.5	
A 5 C5-C12	14.726	4.503 - 24.948		3116684	442.2	
A 7 C6-C12	15.509	6.069 - 24.948		2979514	435.7	
A 6 C6-C10	16.251	6.069 - 26.434		3005479	426.2	
\$ 3 4-Bromofluorobenzene	19.408	19.410	-0.002	10953	22.4	

Report Date: 28-Jan-2012 00:36:37

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_012.d

Injection Date: 27-Jan-2012 14:39:33

Limit Group: GCVOA\_8015B\_GRO

Client ID:

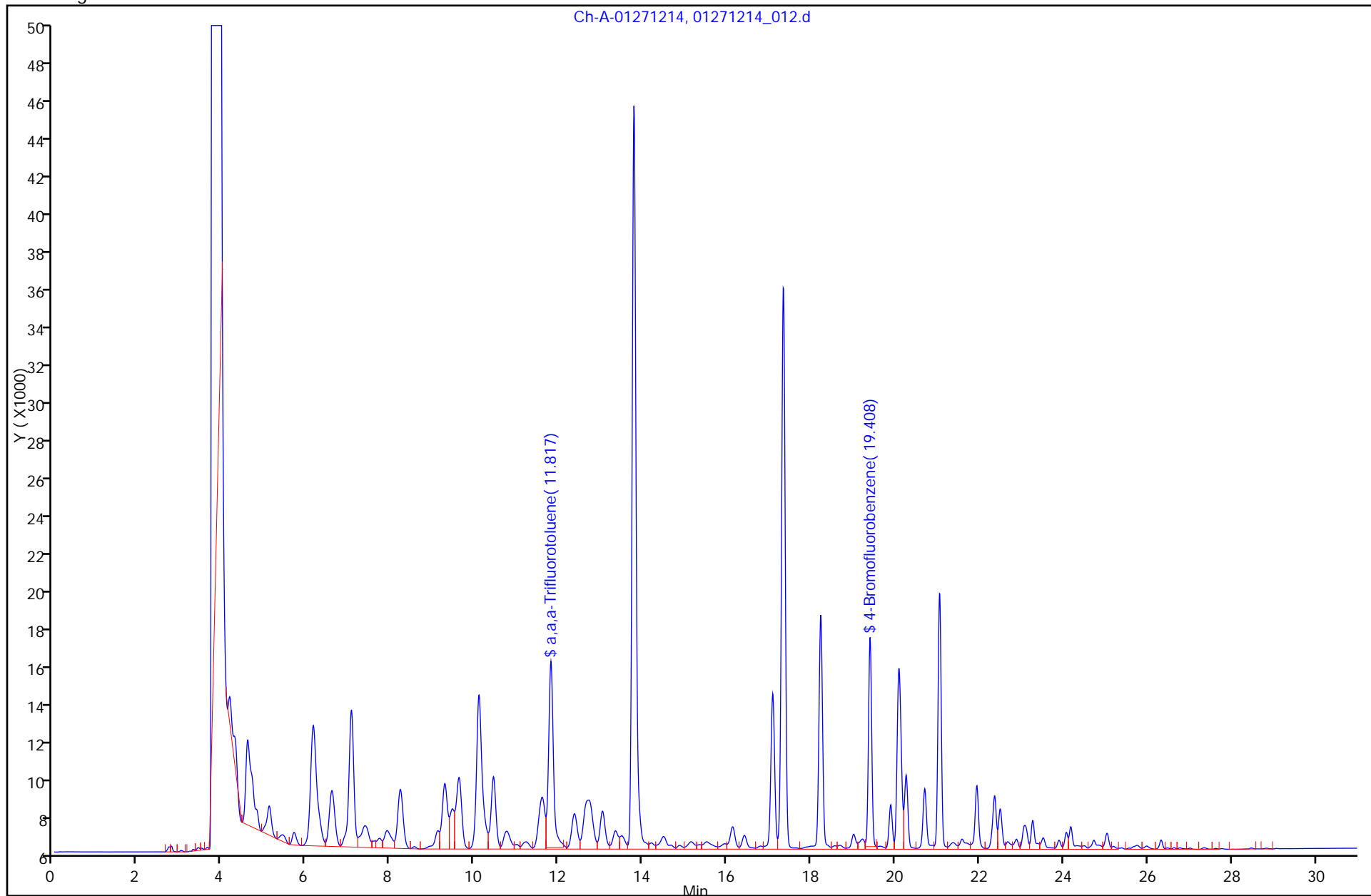
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 4

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: \_\_\_\_\_ Lab Sample ID: LCSD 500-139321/12  
 Matrix: Solid Lab File ID: 01271214\_020.d  
 Analysis Method: 8015B Date Collected: \_\_\_\_\_  
 Sample wt/vol: 5(g) Date Analyzed: 01/27/2012 19:23  
 Soil Aliquot Vol: \_\_\_\_\_ Dilution Factor: 1  
 Soil Extract Vol.: \_\_\_\_\_ GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: \_\_\_\_\_ Level: (low/med) Low  
 Analysis Batch No.: 139321 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.429		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	107		51-117
98-08-8	a,a,a-Trifluorotoluene	100		64-116

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_020.d  
 Lims ID: lcsd Client ID:  
 Inject. Date: 27-Jan-2012 19:23:45 Dil. Factor: 1.0000  
 Sample Type: LCSD  
 Sample ID: #: cd= Name: 012712,gro14s,lcsd  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139321 Lims Sample ID: 12  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\gro14s.m  
 Last Update: 28-Jan-2012 00:36:35 Calib Date: 07-Jan-2012 14:20:23  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120108-7993.b\01071214\_018.d  
 Limit Group: GCVOA\_8015B\_GRO  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 28-Jan-2012 00:35:24

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.820	0.013	9305	19.9	
A 10 GRO	13.617	6.069 - 21.165		2692047	439.9	M
A 5 C5-C12	14.726	4.503 - 24.948		3024362	429.0	M
A 7 C6-C12	15.509	6.069 - 24.948		2920000	426.9	M
A 6 C6-C10	16.251	6.069 - 26.434		2948765	418.0	M
\$ 3 4-Bromofluorobenzene	19.417	19.410	0.007	10420	21.3	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Jan-2012 00:36:42

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_020.d

Injection Date: 27-Jan-2012 19:23:45

Limit Group: GCVOA\_8015B\_GRO

Client ID:

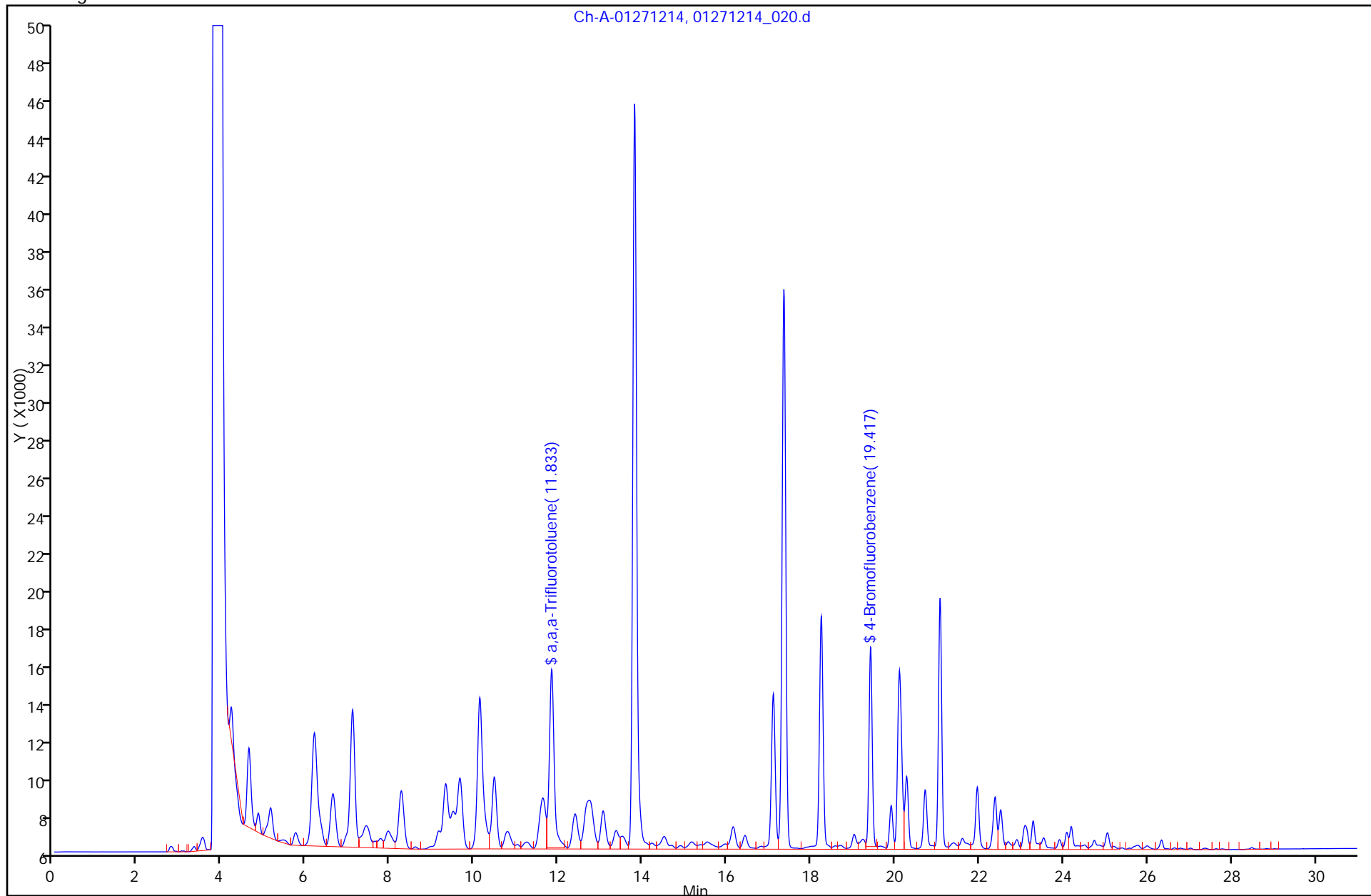
Instrument ID: INST13-14

Lims Batch ID: 139321

Lims Sample ID: 12

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



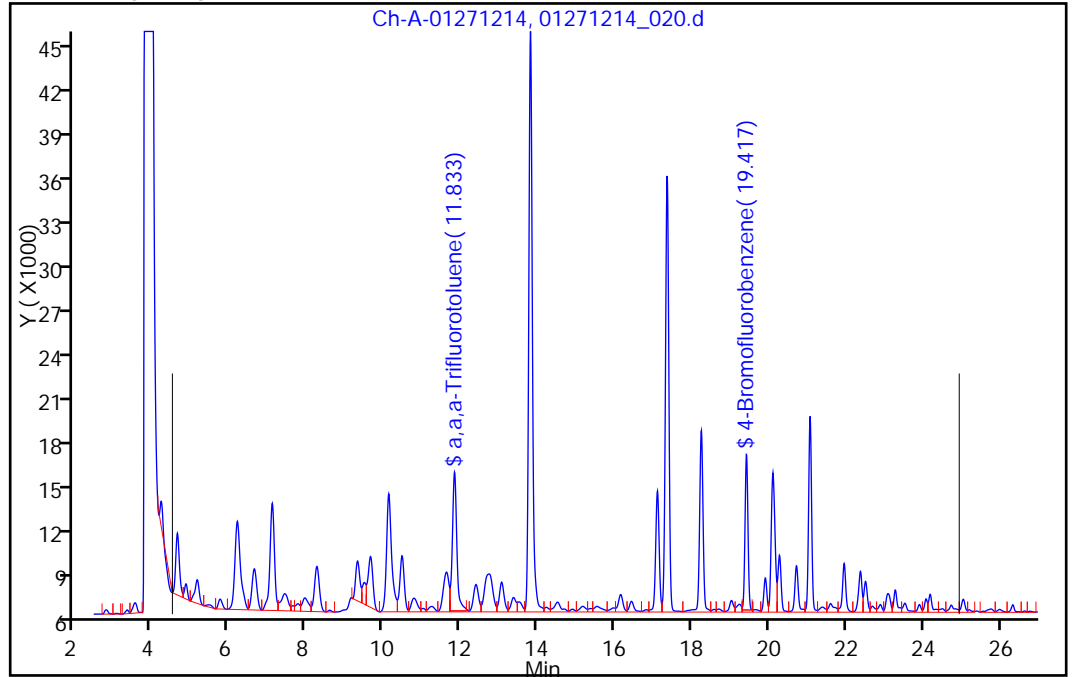


Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8305.b\01271214\_020.d  
Injection Date: 27-Jan-2012 19:23:45 Limit Group: GCVOA\_8015B\_GRO  
Client ID: Instrument ID: INST13-14  
Lims Batch ID: 139321 Lims Sample ID: 12  
Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.73

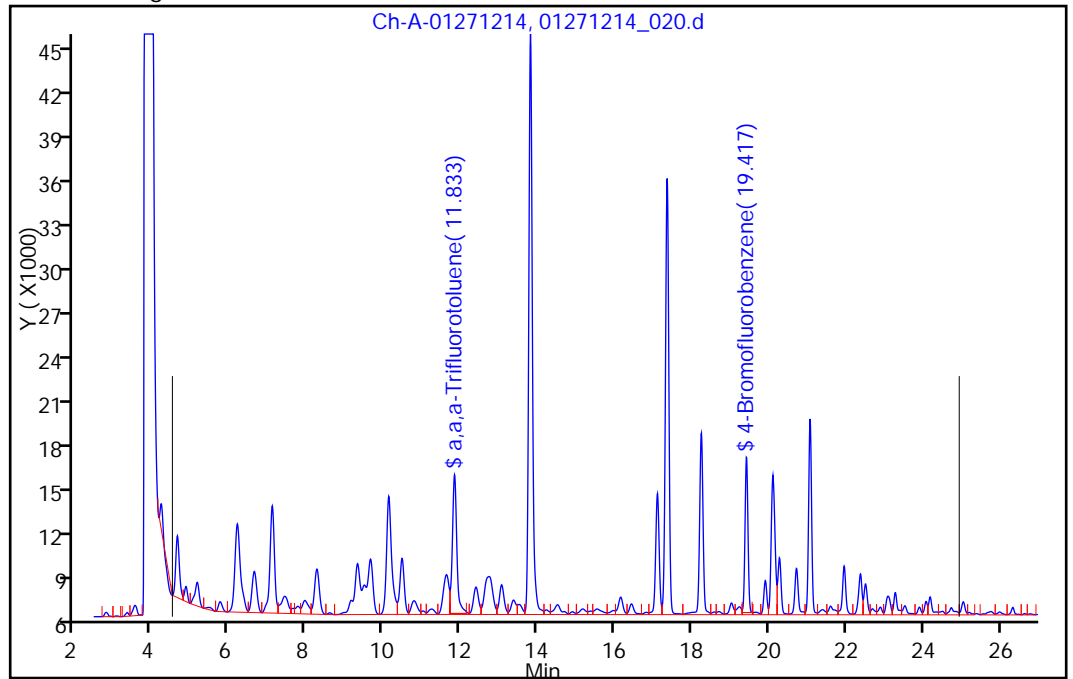
RT: 14.73  
Response: 2971344  
Amount: 421.3339

Processing Integration Results



RT: 14.73  
Response: 3024362  
Amount: 428.9589

Manual Integration Results



Reviewer: estesw, 28-Jan-2012 00:35:24  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR1:050055 Lab Sample ID: 510-74911-5 MS  
 Matrix: Solid Lab File ID: 01271214\_006.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 10:00  
 Sample wt/vol: 4.802(g) Date Analyzed: 01/27/2012 11:06  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 3.7 Level: (low/med) Medium  
 Analysis Batch No.: 139318 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	55.4		2.2	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		70-130
98-08-8	a,a,a-Trifluorotoluene	102		70-130

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_006.d  
 Lims ID: 510-74911-F-5-A MS Client ID:  
 Inject. Date: 27-Jan-2012 11:06:41 Dil. Factor: 50.0000  
 Sample Type: MS  
 Sample ID: #: cd= Name: 012712,gro14m,510-74911-F-5-A MS,50  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 6  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

First Level Reviewer: estesw

Date: 28-Jan-2012 00:28:30

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.844	-0.011	9776	20.4	
A 5 C5-C12	14.753	4.543 - 24.962		3641148	511.8	M
\$ 3 4-Bromofluorobenzene	19.417	19.428	-0.011	10119	21.6	

QC Flag Legend

Review Flags

M - Manually Integrated

Report Date: 28-Jan-2012 00:31:20

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_006.d

Injection Date: 27-Jan-2012 11:06:41

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

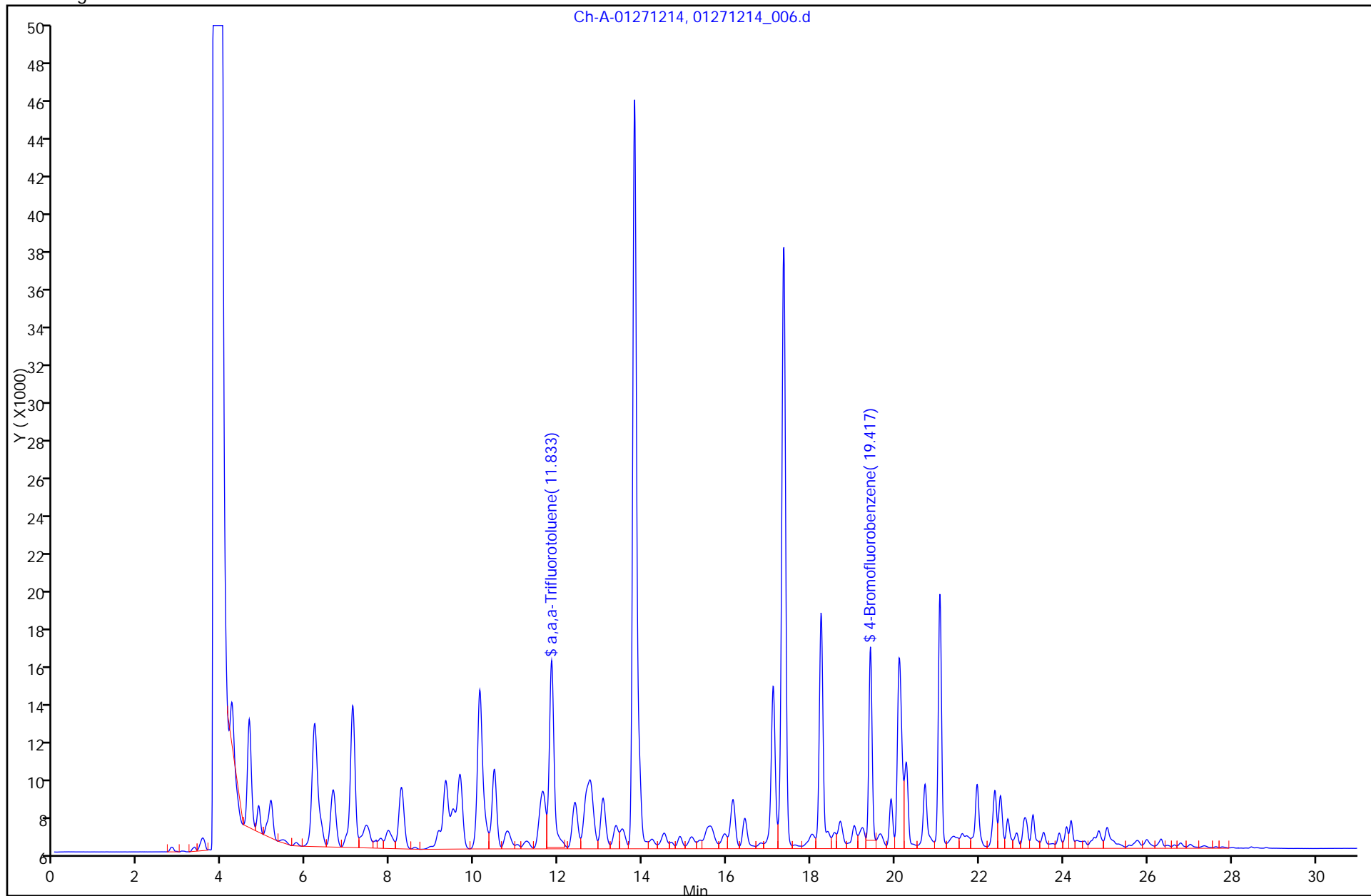
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 6

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value

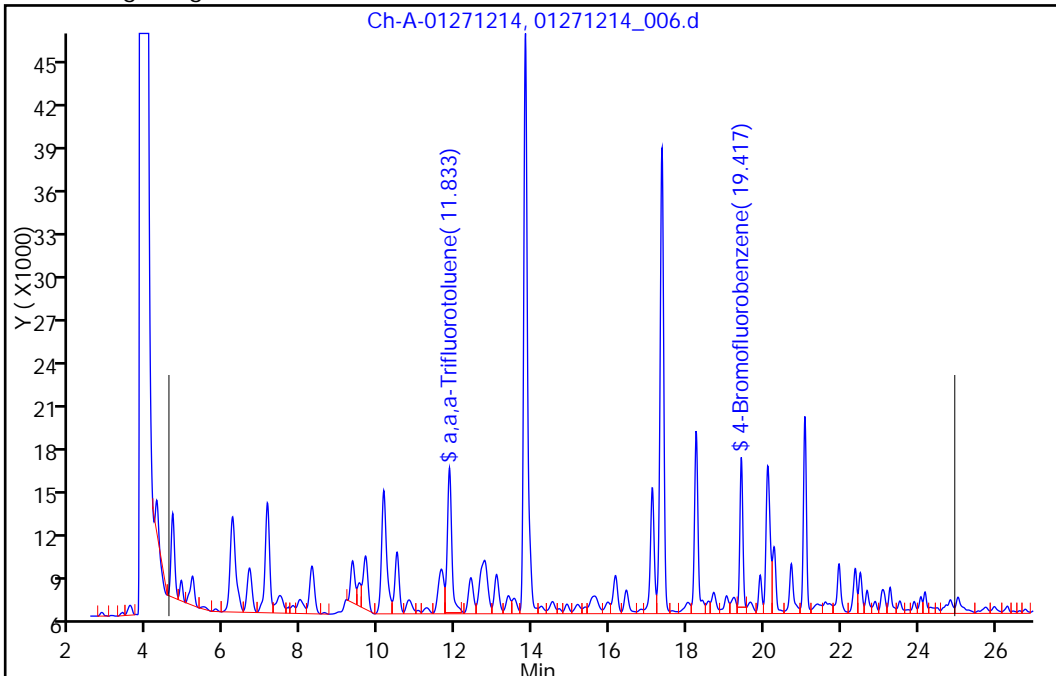


Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_006.d  
Injection Date: 27-Jan-2012 11:06:41 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
Client ID: Instrument ID: INST13-14  
Lims Batch ID: 139318 Lims Sample ID: 6  
Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.75

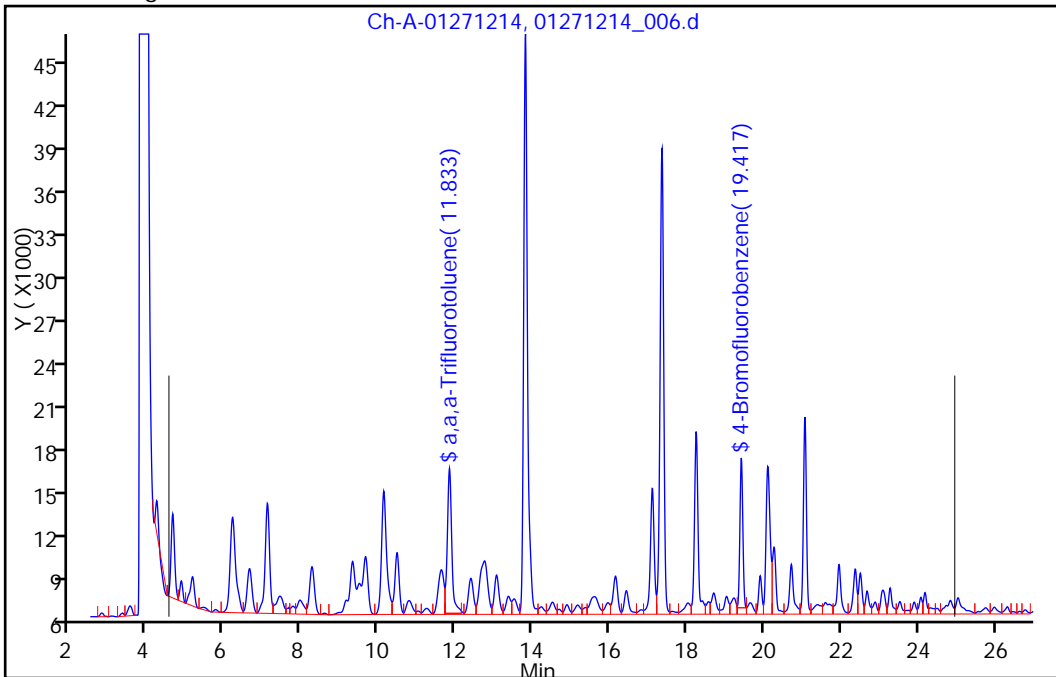
RT: 14.75  
Response: 3586604  
Amount: 504.0071

Processing Integration Results



RT: 14.75  
Response: 3641148  
Amount: 511.7648

Manual Integration Results



Reviewer: estesw, 28-Jan-2012 00:28:30  
Audit Action: Manually Integrated  
Audit Reason: Baseline Smoothing

FORM I  
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Client Sample ID: SB0058: TK14FLR1:050055 Lab Sample ID: 510-74911-5 MSD  
 Matrix: Solid Lab File ID: 01271214\_007.d  
 Analysis Method: 8015B Date Collected: 01/25/2012 10:00  
 Sample wt/vol: 4.802(g) Date Analyzed: 01/27/2012 11:42  
 Soil Aliquot Vol: 5 (mL) Dilution Factor: 50  
 Soil Extract Vol.: 10(mL) GC Column: DB624 ID: 0.2 (mm)  
 % Moisture: 3.7 Level: (low/med) Medium  
 Analysis Batch No.: 139318 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	53.9		2.2	0.43

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	108		70-130
98-08-8	a,a,a-Trifluorotoluene	102		70-130

TestAmerica Laboratories  
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_007.d  
 Lims ID: 510-74911-F-5-A MSD Client ID:  
 Inject. Date: 27-Jan-2012 11:42:17 Dil. Factor: 50.0000  
 Sample Type: MSD  
 Sample ID: #: cd= Name: 012712,gro14m,510-74911-F-5-A MSD,50  
 Misc. Info.:  
 Operator: estesw Instrument ID: INST13-14  
 Vol. Injected: 1.0000 ALS Bottle#: 0  
 Lims Batch ID: 139318 Lims Sample ID: 7  
 Detector: Ch-A-01271214  
 Method: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\gro14.m  
 Last Update: 28-Jan-2012 00:31:18 Calib Date: 07-Jan-2012 09:01:24  
 Quant Method: External Standard Quant By: Initial Calibration  
 Last ICal File: \\Chi-svr07\ChromData\GC13-14\20120107-7991.b\01071214\_009.d  
 Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH  
 Integrator: Genie  
 Process Host: CHI-MS-OFF6A

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/L	Flags
\$ 4 a,a,a-Trifluorotoluene	11.833	11.844	-0.011	9705	20.3	
A 5 C5-C12	14.753	4.543 - 24.962		3547001	498.4	
\$ 3 4-Bromofluorobenzene	19.417	19.428	-0.011	10145	21.6	

Report Date: 28-Jan-2012 00:31:21

Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20120127-8304.b\01271214\_007.d

Injection Date: 27-Jan-2012 11:42:17

Limit Group: GCVOA\_8015B\_GRO\_Water\_MeOH

Client ID:

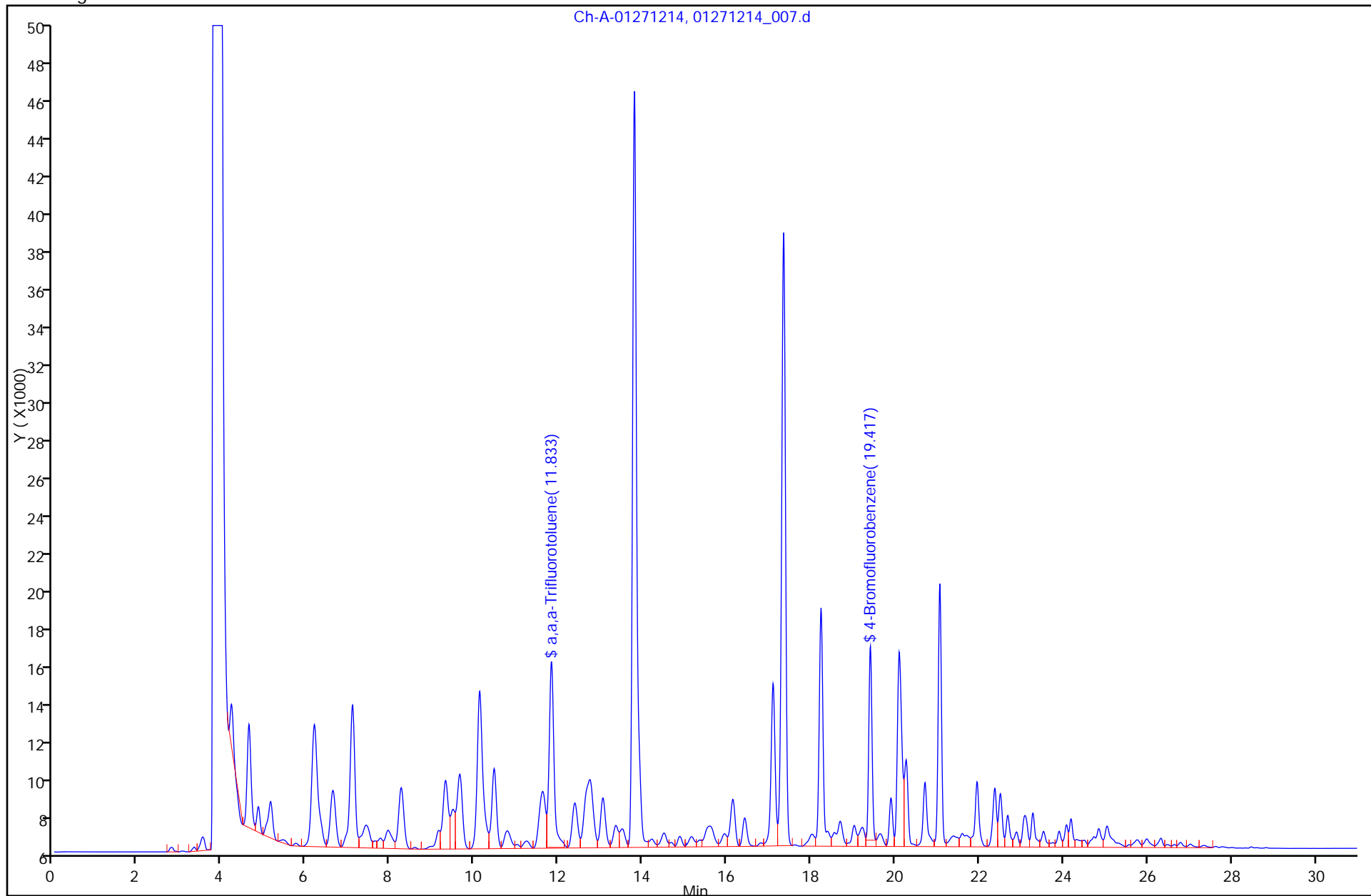
Instrument ID: INST13-14

Lims Batch ID: 139318

Lims Sample ID: 7

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value





GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Start Date: 01/07/2012 05:28

Analysis Batch Number: 137537 End Date: 01/07/2012 09:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 500-137537/3		01/07/2012 05:28	1	01071214_003.d	DB624 0.2 (mm)
IC 500-137537/4		01/07/2012 06:04	1	01071214_004.d	DB624 0.2 (mm)
IC 500-137537/5		01/07/2012 06:39	1	01071214_005.d	DB624 0.2 (mm)
IC 500-137537/6		01/07/2012 07:15	1	01071214_006.d	DB624 0.2 (mm)
IC 500-137537/7		01/07/2012 07:50	1	01071214_007.d	DB624 0.2 (mm)
IC 500-137537/8		01/07/2012 08:26	1	01071214_008.d	DB624 0.2 (mm)
IC 500-137537/9		01/07/2012 09:01	1	01071214_009.d	DB624 0.2 (mm)
ICV 500-137537/10		01/07/2012 09:36	1	01071214_010.d	DB624 0.2 (mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Start Date: 01/07/2012 10:47

Analysis Batch Number: 137558 End Date: 01/07/2012 14:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 500-137558/2		01/07/2012 10:47	1	01071214_012.d	DB624 0.2 (mm)
IC 500-137558/3		01/07/2012 11:23	1	01071214_013.d	DB624 0.2 (mm)
IC 500-137558/4		01/07/2012 11:58	1	01071214_014.d	DB624 0.2 (mm)
IC 500-137558/5		01/07/2012 12:34	1	01071214_015.d	DB624 0.2 (mm)
IC 500-137558/6		01/07/2012 13:09	1	01071214_016.d	DB624 0.2 (mm)
IC 500-137558/7		01/07/2012 13:44	1	01071214_017.d	DB624 0.2 (mm)
IC 500-137558/8		01/07/2012 14:20	1	01071214_018.d	DB624 0.2 (mm)
ICV 500-137558/9		01/07/2012 14:55	1	01071214_019.d	DB624 0.2 (mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Start Date: 01/27/2012 08:08

Analysis Batch Number: 139318 End Date: 01/27/2012 12:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/27/2012 08:08	1		DB624 0.2 (mm)
CCV 500-139318/2		01/27/2012 08:44	1	01271214_002.d	DB624 0.2 (mm)
MB 500-139318/3		01/27/2012 09:20	50	01271214_003.d	DB624 0.2 (mm)
LCS 500-139318/4		01/27/2012 09:55	50	01271214_004.d	DB624 0.2 (mm)
510-74911-5	SB0058: TK14FLR1:050055	01/27/2012 10:31	50	01271214_005.d	DB624 0.2 (mm)
510-74911-5 MS	SB0058: TK14FLR1:050055 MS	01/27/2012 11:06	50	01271214_006.d	DB624 0.2 (mm)
510-74911-5 MSD	SB0058: TK14FLR1:050055 MSD	01/27/2012 11:42	50	01271214_007.d	DB624 0.2 (mm)
CCV 500-139318/8		01/27/2012 12:17	1	01271214_008.d	DB624 0.2 (mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: INST13-14 Start Date: 01/27/2012 12:53

Analysis Batch Number: 139321 End Date: 01/27/2012 19:59

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/27/2012 12:53	1		DB624 0.2 (mm)
CCV 500-139321/2		01/27/2012 13:28	1	01271214_010.d	DB624 0.2 (mm)
MB 500-139321/3		01/27/2012 14:04	1	01271214_011.d	DB624 0.2 (mm)
LCS 500-139321/4		01/27/2012 14:39	1	01271214_012.d	DB624 0.2 (mm)
510-74911-1	SB0058: TK14SW1:030040	01/27/2012 15:15	1	01271214_013.d	DB624 0.2 (mm)
510-74911-2	SB0058: TK14SW2:030040	01/27/2012 15:50	1	01271214_014.d	DB624 0.2 (mm)
510-74911-3	SB0058: TK14SW3:030040	01/27/2012 16:26	1	01271214_015.d	DB624 0.2 (mm)
510-74911-4	SB0058: TK14SW4:030040	01/27/2012 17:01	1	01271214_016.d	DB624 0.2 (mm)
510-74911-6	SB0058: TK14FLR2:050055	01/27/2012 17:37	1	01271214_017.d	DB624 0.2 (mm)
510-74911-7	SB0058: TK14:Field Duplicate	01/27/2012 18:12	1	01271214_018.d	DB624 0.2 (mm)
510-74911-8	SB0058: TK14:Stockpile	01/27/2012 18:48	1	01271214_019.d	DB624 0.2 (mm)
LCSD 500-139321/12		01/27/2012 19:23	1	01271214_020.d	DB624 0.2 (mm)
CCV 500-139321/13		01/27/2012 19:59	1	01271214_021.d	DB624 0.2 (mm)

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 139245 Batch Start Date: 01/25/12 09:00 Batch Analyst: Estes, William R

Batch Method: 5035 Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment	
510-74911-F-5	SB0058: TK14FLR1:050055	5035, 8015B	T	+031.619 g	36.4210 g	4.802 g	10 mL	MeOH	

Batch Notes	
Balance ID	C-1952

Basis	Basis Description
T	Total/NA

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 139247 Batch Start Date: 01/25/12 09:00 Batch Analyst: Estes, William R

Batch Method: 5035 Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	TareWeight	Vial&SampleWt	InitialAmount	FinalAmount	AnalysisComment
510-74911-D-1	SB0058: TK14SW1:030040	5035, 8015B	T	+025.993 g	31.7056 g	5.7126 g	5 mL	frozen sample - no liquid
510-74911-D-2	SB0058: TK14SW2:030040	5035, 8015B	T	+026.021 g	30.9575 g	4.9365 g	5 mL	frozen sample - no liquid
510-74911-D-3	SB0058: TK14SW3:030040	5035, 8015B	T	26.042 g	31.0808 g	5.0388 g	5 mL	frozen sample - no liquid
510-74911-D-4	SB0058: TK14SW4:030040	5035, 8015B	T	25.933 g	31.2860 g	5.353 g	5 mL	frozen sample - no liquid
510-74911-D-6	SB0058: TK14FLR2:050055	5035, 8015B	T	26.041 g	31.8579 g	5.8169 g	5 mL	frozen sample - no liquid
510-74911-D-7	SB0058: TK14:Field Duplicate	5035, 8015B	T	26.076 g	30.5154 g	4.4394 g	5 mL	frozen sample - no liquid
510-74911-D-8	SB0058: TK14:Stockpile	5035, 8015B	T	26.038 g	30.5745 g	4.5365 g	5 mL	frozen sample - no liquid

Batch Notes	
Batch Comment	unpreserved vials frozen @ 0950 on 1-26-12

Basis	Basis Description
T	Total/NA

LA TAT 1/30

Screener: \_\_\_\_\_

Job # 510-71911

Sample File Name	Dilution	pH	Action	Inst. Date	Chrom Batch	Mech Lot #	Analytical Batch	Misc Info
D1A	SK	NA	OK	01/27/14-013	8305	00997	139321	40,993 (379) 815 962
D2A	SK			01/27/14-014	8305			45,663 (49)
D3A	SK			01/27/14-015	8305			19,479 (222)
D4A	SK			01/27/14-016	8305			30,211 (30)
E5A	50		OK	01/27/14-005	8304	05997	139318	48,429 MS/KSD 101/108 3400 2002/963
D6A	SK		OK	01/27/14-017	8305		139321	29,310 (07)

Reviewed by: William R. Bass Date: 1-28-12  
 CH-22-20-075/D-09/11







# **METALS**

COVER PAGE  
METALS

Lab Name: TestAmerica Chicago

Job Number: 510-74911-1

SDG No.: \_\_\_\_\_

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
<u>SB0058: TK14SW1:030040</u>	<u>510-74911-1</u>
<u>SB0058: TK14SW2:030040</u>	<u>510-74911-2</u>
<u>SB0058: TK14SW3:030040</u>	<u>510-74911-3</u>
<u>SB0058: TK14SW4:030040</u>	<u>510-74911-4</u>
<u>SB0058: TK14FLR1:050055</u>	<u>510-74911-5</u>
<u>SB0058: TK14FLR2:050055</u>	<u>510-74911-6</u>
<u>SB0058: TK14:Field Duplicate</u>	<u>510-74911-7</u>
<u>SB0058: TK14:Stockpile</u>	<u>510-74911-8</u>

Comments:

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14SW1:030040

Lab Sample ID: 510-74911-1

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 09:00

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 96.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.6	0.51	0.24	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14SW2:030040

Lab Sample ID: 510-74911-2

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 09:10

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 95.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	3.1	0.50	0.24	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14SW3:030040

Lab Sample ID: 510-74911-3

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 09:25

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.4	0.53	0.25	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14SW4:030040

Lab Sample ID: 510-74911-4

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 09:40

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 94.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.5	0.46	0.22	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14FLR1:050055

Lab Sample ID: 510-74911-5

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 10:00

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 96.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.8	0.46	0.22	mg/Kg			1	6010B



1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14FLR2:050055

Lab Sample ID: 510-74911-6

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 10:15

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 94.0

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	7.2	0.52	0.25	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14:Field Duplicate

Lab Sample ID: 510-74911-7

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 09:50

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 94.7

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	3.3	0.52	0.25	mg/Kg			1	6010B

1A-IN  
 INORGANIC ANALYSIS DATA SHEET  
 METALS

Client Sample ID: SB0058: TK14:Stockpile

Lab Sample ID: 510-74911-8

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG ID.: \_\_\_\_\_

Matrix: Solid

Date Sampled: 01/25/2012 10:30

Reporting Basis: DRY

Date Received: 01/25/2012 13:35

% Solids: 94.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-92-1	Lead	2.9	0.48	0.23	mg/Kg			1	6010B

2A-IN  
 CALIBRATION VERIFICATIONS  
 METALS

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

ICV Source: M12AICVIC\_00001 Concentration Units: mg/L

CCV Source: M12ACCVIC\_00002

Analyte	ICV 500-139460/10 01/27/2012 22:50				CCV 500-139460/39 01/28/2012 02:04				CCV 500-139460/51 01/28/2012 03:21			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
<b>Lead</b>	0.396		0.400	99	0.509		0.500	102	0.510		0.500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.  
 Italicized analytes were not requested for this sequence.

2B-IN  
CRQL CHECK STANDARD  
METALS

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
 SDG No.: \_\_\_\_\_  
 Method: 6010B Instrument ID: ICP5  
 Lab Sample ID: CRI 500-139460/12 Concentration Units: mg/L  
 CRQL Check Standard Source: M12ACRIIC\_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Lead	0.0100	0.00965		97	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

3-IN  
INSTRUMENT BLANKS  
METALS

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Concentration Units: mg/L

Analyte	RL	ICB 500-139460/11 01/27/2012 22:59		CCB 500-139460/40 01/28/2012 02:10		CCB 500-139460/52 01/28/2012 03:27		Found	C
		Found	C	Found	C	Found	C		
<b>Lead</b>	0.0050	<0.0050		<0.0050		<0.0050			

Italicized analytes were not requested for this sequence.

3-IN  
METHOD BLANK  
METALS

Lab Name: TestAmerica Chicago Job No.: 510-74911-1  
SDG No.: \_\_\_\_\_  
Concentration Units: mg/Kg Lab Sample ID: MB 500-139296/1-A  
Instrument Code: ICP5 Batch No.: 139460

CAS No.	Analyte	Concentration	C	Q	Method
7439-92-1	Lead	<0.50			6010B

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICSA 500-139460/13

Instrument ID: ICP5

Lab File ID: P50127C

ICS Source: M12AISAIC\_00001

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
<b>Lead</b>		<b>-0.0007</b>	
<i>Aluminum</i>	500	504	101
<i>Antimony</i>		-0.0035	
<i>Arsenic</i>		0.0022	
<i>Barium</i>		0.0003	
<i>Beryllium</i>		-0.0001	
<i>Boron</i>		-0.0152	
<i>Cadmium</i>		0.0024	
<i>Calcium</i>	500	494	99
<i>Chromium</i>		0.0013	
<i>Cobalt</i>		-0.0006	
<i>Copper</i>		-0.0029	
<i>Iron</i>	200	190	95
<i>Magnesium</i>	500	520	104
<i>Manganese</i>		0.0061	
<i>Molybdenum</i>		0.0047	
<i>Nickel</i>		0.0006	
<i>Potassium</i>		-0.0112	
<i>Selenium</i>		-0.0007	
<i>Silicon</i>		0.0042	
<i>Silver</i>		-0.0001	
<i>Sodium</i>		-0.0126	
<i>Strontium</i>		0.0024	
<i>Thallium</i>		0.0031	
<i>Tin</i>		-0.0036	
<i>Titanium</i>		-0.0038	
<i>Total Heavy Metals</i>		0.0024	
<i>Vanadium</i>		0.0044	
<i>Zinc</i>		0.0047	

Calculations are performed before rounding to avoid round-off errors in calculated results.



4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICSAB 500-139460/14

Instrument ID: ICP5

Lab File ID: P50127C

ICS Source: M12AISBIC\_00001

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
<b>Lead</b>	<b>0.0500</b>	<b>0.0485</b>	<b>97</b>
<i>Aluminum</i>	<i>500</i>	<i>509</i>	<i>102</i>
<i>Antimony</i>	<i>0.600</i>	<i>0.612</i>	<i>102</i>
<i>Arsenic</i>	<i>0.100</i>	<i>0.103</i>	<i>103</i>
<i>Barium</i>	<i>0.500</i>	<i>0.534</i>	<i>107</i>
<i>Beryllium</i>	<i>0.500</i>	<i>0.493</i>	<i>99</i>
<i>Boron</i>		<i>-0.0138</i>	
<i>Cadmium</i>	<i>1.00</i>	<i>0.929</i>	<i>93</i>
<i>Calcium</i>	<i>500</i>	<i>495</i>	<i>99</i>
<i>Chromium</i>	<i>0.500</i>	<i>0.490</i>	<i>98</i>
<i>Cobalt</i>	<i>0.500</i>	<i>0.471</i>	<i>94</i>
<i>Copper</i>	<i>0.500</i>	<i>0.557</i>	<i>111</i>
<i>Iron</i>	<i>200</i>	<i>192</i>	<i>96</i>
<i>Magnesium</i>	<i>500</i>	<i>522</i>	<i>104</i>
<i>Manganese</i>	<i>0.500</i>	<i>0.509</i>	<i>102</i>
<i>Molybdenum</i>		<i>0.0046</i>	
<i>Nickel</i>	<i>1.00</i>	<i>0.922</i>	<i>92</i>
<i>Potassium</i>		<i>-0.0017</i>	
<i>Selenium</i>	<i>0.0500</i>	<i>0.0479</i>	<i>96</i>
<i>Silicon</i>		<i>0.0152</i>	
<i>Silver</i>	<i>0.200</i>	<i>0.223</i>	<i>111</i>
<i>Sodium</i>		<i>-0.0207</i>	
<i>Strontium</i>		<i>0.0025</i>	
<i>Thallium</i>	<i>0.100</i>	<i>0.0997</i>	<i>100</i>
<i>Tin</i>		<i>-0.0030</i>	
<i>Titanium</i>		<i>-0.0037</i>	
<i>Total Heavy Metals</i>		<i>3.85</i>	
<i>Vanadium</i>	<i>0.500</i>	<i>0.507</i>	<i>101</i>
<i>Zinc</i>	<i>1.00</i>	<i>0.908</i>	<i>91</i>

Calculations are performed before rounding to avoid round-off errors in calculated results.

7A-IN  
 LAB CONTROL SAMPLE  
 METALS

Lab ID: LCS 500-139296/2-A

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

Sample Matrix: Solid

LCS Source: M11LSPKIC\_00001

Analyte	Solid(mg/Kg)						
	True	Found	C	%R	Limits	Q	Method
Lead	10.0	9.39		94	80      120		6010B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

9-IN  
DETECTION LIMITS  
METALS

Lab Name: TestAmerica Chicago

Job Number: 510-74911-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: ICP5

Method: 6010B

MDL Date: 04/15/2011 15:19

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Lead		0.5	0.24

9-IN  
CALIBRATION BLANK DETECTION LIMITS  
METALS

Lab Name: TestAmerica Chicago Job Number: 510-74911-1  
SDG Number: \_\_\_\_\_  
Matrix: Solid Instrument ID: ICP5  
Method: 6010B XMDL Date: 05/25/2006 09:03

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Lead		0.005	0.0025

012612.IEC5

U.S. EPA - CLP

10A

ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA\_CHICAGO Contract: \_\_\_\_\_

Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No :510-74911

ICP ID Number: ICP5\_\_\_\_\_ Date: 01/26/12

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		Al	Ca	Fe	Mg	BE
Aluminum	308.22	-0.0183470	-0.0000000	-0.0000250	-0.0000000	-0.0000000
Antimony	206.841	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Arsenic	189.04	-0.0000000	-0.0000000	-0.0000070	-0.0000000	-0.0000000
Boron	249.68	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Barium	493.41	-0.0000000	-0.0000000	-0.0000070	-0.0000000	-0.0000000
Beryllium	313.04	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Cadmium	226.50	-0.0000030	-0.0000000	-0.0000950	-0.0000000	-0.0000000
Calcium	317.93	-0.0000000	-0.0000000	-0.0000107	-0.0000000	-0.0000000
Chromium	267.72	-0.0000000	-0.0000000	-0.0000030	-0.0000000	-0.0000000
Cobalt	228.62	-0.0000000	-0.0000000	-0.0000070	-0.0000000	-0.0000000
Copper	324.75	-0.0000070	-0.0000000	-0.0000040	-0.0000000	-0.0000000
Iron	271.44	-0.0000300	-0.0000180	-0.0000000	-0.0000400	-0.0000000
Lead	220.351	-0.0004420	-0.0000000	-0.0000730	-0.0000180	-0.0000000
Magnesium	279.08	-0.0000000	-0.0000000	-0.0001420	-0.0000000	-0.0000000
Manganese	257.61	-0.0000000	-0.0000000	-0.0001020	-0.0000000	-0.0000000
Mercury						
Nickel	231.60	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Potassium	766.49	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Selenium	196.021	-0.0000000	-0.0000000	-0.0000730	-0.0000000	-0.0000000
Silver	328.07	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Sodium	589.00	-0.0000000	-0.0000000	-0.0119100	-0.0000000	-0.0000000
Thallium	190.80	-0.0000190	-0.0000000	-0.0000440	-0.0000000	-0.0000000
Tin	189.99	-0.0000090	-0.0000000	-0.0000970	-0.0000000	-0.0000000
Vanadium	292.40	-0.0000000	-0.0000000	-0.0000370	-0.0000070	-0.0000000
Zinc	213.86	-0.0000000	-0.0000020	-0.0000120	-0.0000010	-0.0000000
Lead	220.352	-0.0001800	-0.0000000	-0.0000360	-0.0000040	-0.0000000
Antimony	206.832	-0.0000070	-0.0000000	-0.0000120	-0.0000000	-0.0000000
Selenium	196.022	-0.0000130	-0.0000000	-0.0003510	-0.0000000	-0.0000000
Silicon	288.16	-0.0000014	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Molybdenm	202.03	-0.0000110	-0.0000000	-0.0002690	-0.0000000	-0.0000000
Titanium	334.94	-0.0000000	-0.0000190	-0.0000000	-0.0000000	-0.0000000
Sodium	330.23	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000
Strontium	421.55	-0.0000000	-0.0000000	-0.0000000	-0.0000000	-0.0000000

Comments:

U.S. EPA - CLP

10B

## ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA\_CHICAGO\_\_\_\_\_ Contract: \_\_\_\_\_

Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 510-74911

ICP ID Number: ICP5\_\_\_\_\_ Date: 01/26/12

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		CO_	CR_	CU_	MN_	MO_
Aluminum	308.22	-0.0160790	0.0000000	0.0000000	0.0000000	-0.0104250
Antimony	206.841	0.0000000	0.00553400	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	-0.0000330	0.0000000	0.0000000	-0.0006650
Boron	249.68	0.0008990	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000720	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000030	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0819600	0.0132450	0.0000000	-0.0005016	0.0016890
Lead	220.351	0.0005170	0.0000140	0.0000000	0.0000000	-0.0006310
Magnesium	279.08	-0.0009540	0.0000000	0.0000000	-0.0091060	-0.0133340
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0003740
Mercury						
Nickel	231.60	-0.0001470	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0002390	0.0000000	0.0000000	-0.0002590	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0021740	0.0002690	0.0000000	0.0000326	-0.0015930
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	-0.0018000	0.0000000	0.0000000	-0.0033510
Zinc	206.20	0.0000460	0.0001950	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000040	0.0000060	0.0000000	0.0000000	-0.0012510
Antimony	206.842	0.0000000	0.0062950	0.0000000	0.0000000	-0.0011060
Selenium	196.022	-0.0008460	0.0000000	0.0000000	0.0005380	0.0000000
Silicon	288.16	0.0000000	-0.0029080	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	-0.0001460	0.0000000	-0.0000100	0.0000000	0.0000000
Titanium	334.94	0.0000000	0.0001910	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

012612.IEC5

U.S. EPA - CLP

10B

ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA\_CHICAGO Contract: \_\_\_\_\_

Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 510-74911

ICP ID Number: ICP5\_\_\_\_\_ Date: 01/26/12

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		NI_	SN_	TI_	V_	ZN_
Aluminum	308.22	0.000000	0.000000	0.000000	-0.0119770	0.0000000
Antimony	206.841	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	-0.0002150	0.0001770	0.0000000
Cadmium	226.50	-0.0000690	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000760	0.0000000
Cobalt	228.62	0.0002380	0.0000000	0.0017020	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002140	0.0000000
Iron	271.44	0.0000000	0.0000000	-0.0073890	0.0152910	0.0000000
Lead	220.351	0.0003000	0.0000000	0.0000000	-0.0000060	0.0000000
Magnesium	279.08	0.0000000	0.0000000	-0.0024680	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001610	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000060	0.0000000	0.0000000	0.0002260	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0003060	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0001750	0.0011460	0.0000000
Tin	189.99	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0006440	0.0000000	0.0000000
Zinc	206.20	-0.0000640	0.0000000	0.0002010	0.0000330	0.0000000
Lead	220.352	0.0002270	0.0000000	-0.0008860	-0.0001300	0.0000000
Antimony	206.842	0.0000000	0.0000000	0.0000000	-0.0000000	0.0000000
Selenium	196.022	0.0000000	0.0000000	0.0000000	-0.0000590	0.0000000
Silicon	288.16	0.0000000	0.0094050	0.0326090	0.0004060	0.0000000
Molybdenm	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP

10B

## ICP Interelement Correction Factors (Annually)

Lab Name: TESTAMERICA\_CHICAGO Contract: \_\_\_\_\_

Lab Code: \_\_\_\_\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: 510-74911

ICP ID Number: ICP5 Date: 01/26/12

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		SB_	SI_	NA_	TL_	CD_
Aluminum	308.22	0.0014890	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.841	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.68	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.41	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.93	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	-0.00079100
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.351	0.0000000	0.0000000	0.0000000	0.0000000	-0.00163000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0001020	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.00004100	0.0000000	0.0000000
Tin	190.99	-0.0023800	0.0000000	0.00021100	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0005881	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.842	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.022	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.16	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenm	202.03	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	334.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.23	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:



11-IN  
LINEAR RANGES  
METALS

Lab Name: TestAmerica Chicago

Job No: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP5

Date: 08/18/2011 07:16

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Lead		50.0	6010B

12-IN  
PREPARATION LOG  
METALS

Lab Name: TestAmerica Chicago

Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 500-139296/1-A	01/26/2012 16:50	139296	1		100
LCS 500-139296/2-A	01/26/2012 16:50	139296	1		100
510-74911-1	01/26/2012 16:50	139296	1.0290		100
510-74911-2	01/26/2012 16:50	139296	1.0476		100
510-74911-3	01/26/2012 16:50	139296	1.0382		100
510-74911-4	01/26/2012 16:50	139296	1.1590		100
510-74911-5	01/26/2012 16:50	139296	1.1247		100
510-74911-6	01/26/2012 16:50	139296	1.0299		100
510-74911-7	01/26/2012 16:50	139296	1.0063		100
510-74911-8	01/26/2012 16:50	139296	1.0963		100



13-IN  
ANALYSIS RUN LOG  
METALS

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Instrument ID: ICP5 Method: 6010B

Start Date: 01/27/2012 21:51 End Date: 01/28/2012 06:12

Lab Sample ID	D / F	T y p e	Time	Analytes																
				P b																
510-74911-1	1	T	02:29	X																
510-74911-2	1	T	02:35	X																
510-74911-3	1	T	02:41	X																
510-74911-4	1	T	02:47	X																
510-74911-5	1	T	02:54	X																
510-74911-6	1	T	03:00	X																
510-74911-7	1	T	03:06	X																
510-74911-8	1	T	03:12	X																
CCV 500-139460/51	1		03:21	X																
CCB 500-139460/52	1		03:27	X																
ZZZZZZ			03:33																	
ZZZZZZ			03:39																	
ZZZZZZ			03:46																	
ZZZZZZ			03:52																	
ZZZZZZ			03:58																	
ZZZZZZ			04:11																	
ZZZZZZ			04:17																	
ZZZZZZ			04:23																	
ZZZZZZ			04:30																	
ZZZZZZ			04:36																	
CCV 500-139460/63			04:47																	
CCB 500-139460/64			04:53																	
ZZZZZZ			04:59																	
ZZZZZZ			05:05																	
ZZZZZZ			05:12																	
ZZZZZZ			05:18																	
ZZZZZZ			05:24																	
ZZZZZZ			05:30																	
ZZZZZZ			05:36																	
ZZZZZZ			05:43																	
ZZZZZZ			05:49																	
ZZZZZZ			05:55																	
CCV 500-139460/75			06:06																	
CCB 500-139460/76			06:12																	

Prep Types  
T = Total/NA

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	S0	P50127C	P50127C	01/27/12	21:51		X	IR
2	S1A	P50127C	P50127C	01/27/12	21:57		X	IR
3	S1B	P50127C	P50127C	01/27/12	22:03		X	IR
4	S1	P50127C	P50127C	01/27/12	22:09		X	IR
5	S2	P50127C	P50127C	01/27/12	22:15		X	IR
6	S2A	P50127C	P50127C	01/27/12	22:21		X	IR
7	S2B	P50127C	P50127C	01/27/12	22:26		X	IR
8	S1	P50127C	P50127C	01/27/12	22:33	TDS	Q	CONC
9	S2	P50127C	P50127C	01/27/12	22:42	TDS	Q	CONC
10	ICV	P50127C	P50127C	01/27/12	22:50	TDS	Q	CONC
11	ICB	P50127C	P50127C	01/27/12	22:59	TDS	Q	CONC
12	CRI	P50127C	P50127C	01/27/12	23:05	TDS	Q	CONC
13	ICSA	P50127C	P50127C	01/27/12	23:11	TDS	Q	CONC
14	ICSAB	P50127C	P50127C	01/27/12	23:17	TDS	Q	CONC
15	CCV	P50127C	P50127C	01/27/12	23:26	TDS	Q	CONC
16	CCB	P50127C	P50127C	01/27/12	23:32	TDS	Q	CONC
17	LB 500-139282/1-B	P50127C	P50127C	01/27/12	23:38	TDS	S	CONC
18	LB2 500-139283/1-B	P50127C	P50127C	01/27/12	23:44	TDS	S	CONC
19	LCS 500-139348/3-A	P50127C	P50127C	01/27/12	23:51	TDS	S	CONC
20	500-43861-A-1-C	P50127C	P50127C	01/27/12	23:57	TDS	S	CONC
21	610-1218-A-3-B	P50127C	P50127C	01/28/12	00:03	TDS	S	CONC
22	500-43859-A-1-C	P50127C	P50127C	01/28/12	00:09	TDS	S	CONC
23	43859-A-1-C SD @E	P50127C	P50127C	01/28/12	00:15	TDS	S	CONC
24	500-43859-A-1-D DU	P50127C	P50127C	01/28/12	00:22	TDS	S	CONC
25	500-43859-A-1-E MS	P50127C	P50127C	01/28/12	00:28	TDS	S	CONC
26	500-43859-A-2-C	P50127C	P50127C	01/28/12	00:34	TDS	S	CONC
27	CCV	P50127C	P50127C	01/28/12	00:45	TDS	Q	CONC
28	CCB	P50127C	P50127C	01/28/12	00:51	TDS	Q	CONC
29	500-43859-A-3-C	P50127C	P50127C	01/28/12	00:57	TDS	S	CONC
30	500-43859-A-4-C	P50127C	P50127C	01/28/12	01:03	TDS	S	CONC
31	500-43859-A-5-C	P50127C	P50127C	01/28/12	01:10	TDS	S	CONC
32	500-43859-A-6-C	P50127C	P50127C	01/28/12	01:16	TDS	S	CONC
33	500-43859-A-7-C	P50127C	P50127C	01/28/12	01:22	TDS	S	CONC
34	500-43859-A-12-C	P50127C	P50127C	01/28/12	01:28	TDS	S	CONC
35	610-1253-A-3-B	P50127C	P50127C	01/28/12	01:34	TDS	S	CONC
36	500-43817-A-1-D	P50127C	P50127C	01/28/12	01:41	TDS	S	CONC
37	500-43700-A-21-T	P50127C	P50127C	01/28/12	01:47	TDS	S	CONC
38	500-43700-A-22-G	P50127C	P50127C	01/28/12	01:53	TDS	S	CONC
39	CCV	P50127C	P50127C	01/28/12	02:04	TDS	Q	CONC
40	CCB	P50127C	P50127C	01/28/12	02:10	TDS	Q	CONC
41	MB 500-139296/1-A	P50127C	P50127C	01/28/12	02:16	TDS	S	CONC
42	LCS 500-139296/2-A	P50127C	P50127C	01/28/12	02:22	TDS	S	CONC
43	510-74911-G-1-A	P50127C	P50127C	01/28/12	02:29	TDS	S	CONC
44	510-74911-G-2-A	P50127C	P50127C	01/28/12	02:35	TDS	S	CONC
45	510-74911-G-3-A	P50127C	P50127C	01/28/12	02:41	TDS	S	CONC
46	510-74911-G-4-A	P50127C	P50127C	01/28/12	02:47	TDS	S	CONC
47	510-74911-G-5-A	P50127C	P50127C	01/28/12	02:54	TDS	S	CONC
48	510-74911-G-6-A	P50127C	P50127C	01/28/12	03:00	TDS	S	CONC
49	510-74911-G-7-A	P50127C	P50127C	01/28/12	03:06	TDS	S	CONC
50	510-74911-G-8-A	P50127C	P50127C	01/28/12	03:12	TDS	S	CONC
51	CCV	P50127C	P50127C	01/28/12	03:21	TDS	Q	CONC
52	CCB	P50127C	P50127C	01/28/12	03:27	TDS	Q	CONC
53	500-43896-F-1-H	P50127C	P50127C	01/28/12	03:33	TDS	S	CONC

139480

RCRA  
P-3  
P5

P-3  
RCRA  
P-3

P3

HC

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	43896-F-1-H SD @5	P50127C	P50127C	01/28/12	03:39	TDS	S	CONC
55	500-43896-F-1-I DU	P50127C	P50127C	01/28/12	03:46	TDS	S	CONC
56	500-43896-F-1-J MS	P50127C	P50127C	01/28/12	03:52	TDS	S	CONC
57	500-43896-F-1-K MSB	P50127C	P50127C	01/28/12	03:58	TDS	S	CONC
58	MB 500-139302/1-A	P50127C	P50127C	01/28/12	04:11	TDS	S	CONC
59	LCS 500-139302/2-A	P50127C	P50127C	01/28/12	04:17	TDS	S	CONC
60	720-39964-B-1-A	P50127C	P50127C	01/28/12	04:23	TDS	S	CONC
61	720-39964-B-2-A	P50127C	P50127C	01/28/12	04:30	TDS	S	CONC
62	720-39964-B-3-A	P50127C	P50127C	01/28/12	04:36	TDS	S	CONC
63	CCV	P50127C	P50127C	01/28/12	04:47	TDS	Q	CONC
64	CCB	P50127C	P50127C	01/28/12	04:53	TDS	Q	CONC
65	720-39964-B-4-A	P50127C	P50127C	01/28/12	04:59	TDS	S	CONC
66	720-39964-B-5-A	P50127C	P50127C	01/28/12	05:05	TDS	S	CONC
67	720-39964-B-6-A	P50127C	P50127C	01/28/12	05:12	TDS	S	CONC
68	500-43915-A-2-A	P50127C	P50127C	01/28/12	05:18	TDS	S	CONC
69	43915-A-2-A SD @5	P50127C	P50127C	01/28/12	05:24	TDS	S	CONC
70	500-43915-A-2-B DU	P50127C	P50127C	01/28/12	05:30	TDS	S	CONC
71	500-43915-A-2-C MS	P50127C	P50127C	01/28/12	05:36	TDS	S	CONC
72	610-1257-A-1-A	P50127C	P50127C	01/28/12	05:43	TDS	S	CONC
73	610-1262-A-1-B	P50127C	P50127C	01/28/12	05:49	TDS	S	CONC
74	610-1262-A-2-B	P50127C	P50127C	01/28/12	05:55	TDS	S	CONC
75	CCV	P50127C	P50127C	01/28/12	06:06	TDS	Q	CONC
76	CCB	P50127C	P50127C	01/28/12	06:12	TDS	Q	CONC

139480

HCL  
CCB  
K<sup>-</sup>  
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\*As. B. Co. N. Se V. 2  
\* Cl. Co. Cu. Fe. Pb. Zn  
\* Cl. Co. Cu. N. Pb. Zn

#	Sample Name	*Y
1	S0	133808
2	S1A	133790
3	S1B	134140
4	S1	132615
5	S2	129683
6	S2A	132415
7	S2B	131424
8	S1	132595
9	S2	129240
10	ICV	132211
11	ICB	134346
12	CRI	134074
13	ICSA	118735
14	IC SAB	117978
15	CCV	131364
16	CCB	134842
17	LB 500-139282/1-B	124436
18	LB2 500-139283/1-B	134348
19	LCS 500-139348/3-A	132816
20	500-43861-A-1-C	118863
21	610-1218-A-3-B	123947
22	500-43859-A-1-C	121338
23	43859-A-1-C SD @5	129896
24	500-43859-A-1-D DU	121890
25	500-43859-A-1-E MS	120716
26	500-43859-A-2-C	119839
27	CCV	131783
28	CCB	134142
29	500-43859-A-3-C	120025
30	500-43859-A-4-C	120344
31	500-43859-A-5-C	120645
32	500-43859-A-6-C	121530
33	500-43859-A-7-C	121674
34	500-43859-A-12-C	120864
35	610-1253-A-3-B	123170
36	500-43817-A-1-D	122202
37	500-43700-A-21-I	122366
38	500-43700-A-22-G	122398
39	CCV	131816
40	CCB	134595
41	MB 500-139296/1-A	134053
42	LCS 500-139296/2-A	132794
43	510-74911-G-1-A	126158
44	510-74911-G-2-A	136328
45	510-74911-G-3-A	137873
46	510-74911-G-4-A	137238
47	510-74911-G-5-A	130756
48	510-74911-G-6-A	130949
49	510-74911-G-7-A	139750
50	510-74911-G-8-A	131559
51	CCV	131968
52	CCB	134740
53	500-43896-F-1-H	132514

#	Sample Name	*Y
54	43896-F-1-H SD @5	132301
55	500-43896-F-1-I DU	135326
56	500-43896-F-1-J MS	126609
57	500-43896-F-1-K MSD	131449
58	MB 500-139302/1-A	135469
59	LCS 500-139302/2-A	135240
60	720-39964-B-1-A	134873
61	720-39964-B-2-A	134348
62	720-39964-B-3-A	133801
63	CCV	131248
64	CCB	134386
65	720-39964-B-4-A	135276
66	720-39964-B-5-A	134575
67	720-39964-B-6-A	133822
68	500-43915-A-2-A	126598
69	43915-A-2-A SD @5	131532
70	500-43915-A-2-B DU	126758
71	500-43915-A-2-C MS	126937
72	610-1257-A-1-A	126598
73	610-1262-A-1-B	131072
74	610-1262-A-2-B	128416
75	CCV	129966
76	CCB	132684



Method: P50127C Standard: S0  
Run Time: 01/27/12 21:51:06

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avg	-.00010	.00563	-.00081	.02350	.00017	.00118	.00129
SDev	.00003	.00001	.00008	.00026	.00004	.00002	.00005
%RSD	30.308	.18386	10.376	1.1279	24.599	1.3506	4.0910
#1	-.00013	.00563	-.00075	.02369	.00020	.00119	.00133
#2	-.00008	.00564	-.00087	.02332	.00014	.00117	.00126
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Avg	-.00086	.00009	.00015	.00223	.00020	.00531	.00004
SDev	.00002	.00004	.00002	.00001	.00063	.00014	.00002
%RSD	1.8490	39.595	14.146	.47087	317.55	2.6684	38.573
#1	-.00084	.00007	.00016	.00222	-.00025	.00524	.00005
#2	-.00087	.00012	.00013	.00223	.00064	.00544	.00003
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Avg	.00016	.00213	.15009	.00049	-.00008	-.00014	.00069
SDev	.00006	.00078	.00439	.00000	.00006	.00027	.00032
%RSD	40.410	36.723	2.9261	.00370	74.081	193.53	46.119
#1	.00020	.00268	.15319	.00049	-.00012	.00005	.00091
#2	.00011	.00158	.14698	.00049	-.00004	-.00034	.00046
Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Tl1908	V_2924
Avg	-.00756	.00231	.00110	.00030	.00008	-.00151	-.00003
SDev	.00151	.00003	.00017	.00003	.00008	.00042	.00000
%RSD	19.987	1.3693	15.396	8.9544	101.02	27.457	.00370
#1	-.00863	.00229	.00122	.00031	.00013	-.00124	-.00003
#2	-.00649	.00233	.00098	.00028	.00002	-.00184	-.00003
Elem	Zn2062	Si2881					
Avg	.00010	.00882					
SDev	.00002	.00006					
%RSD	15.710	.72279					
#1	.00009	.00886					
#2	.00011	.00877					

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	133808	--	--	--	--	--	--
SDev	4.949748	--	--	--	--	--	--
%RED	.0036991	--	--	--	--	--	--
#1	133805	--	--	--	--	--	--
#2	133812	--	--	--	--	--	--

Method: P50127C Standard: S1A  
Run Time: 01/27/12 21:57:18

Elem	Ag3280	As1890	B 2496	Ba4934	Be3130	Cd2265	Co2286
Avg	.17694	.15438	.26080	.52198	.58290	2.1296	.19260
SDev	.00025	.00016	.00097	.00144	.00160	.0041	.00037
%RSD	.14087	.10581	.37367	.27416	.27451	.19202	.19385
#1	.17711	.15449	.26149	.52396	.58404	2.1325	.19287
#2	.17676	.15426	.26011	.52600	.58177	2.1267	.19234
Elem	Cr2677	Cu3247	Mo2020	Ni2316	2203/1	2203/2	Sb2068
Avg	.12818	.16688	.63614	.86647	.66617	.14754	.21194
SDev	.00039	.00011	.00026	.00117	.00001	.00004	.00042
%RSD	.30418	.06811	.04072	.13444	.00158	.02819	.19701
#1	.12845	.16680	.63633	.86729	.66616	.14751	.21224
#2	.12790	.16696	.63596	.86565	.66618	.14757	.21165
Elem	1960/1	1960/2	Sn1899	Sr4215	Ti3349	Ti1908	Zn2062
Avg	.49869	.35574	.21878	1.1752	.85810	.13209	.09981
SDev	.00085	.00038	.00108	.0015	.00065	.00006	.00053
%RSD	.17005	.10807	.49469	.12718	.07618	.04145	.53329
#1	.49809	.35547	.21955	1.1742	.85856	.13206	.10018
#2	.49929	.35601	.21802	1.1763	.85763	.13213	.09943
Elem	Si2881						
Avg	.04766						
SDev	.00027						
%RSD	.57029						
#1	.04785						
#2	.04747						
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	133790	--	--	--	--	--	--
SDev	23.33452	--	--	--	--	--	--
%RSD	.0174411	--	--	--	--	--	--
#1	133807	--	--	--	--	--	--
#2	133774	--	--	--	--	--	--

Method: P50127C Standard: SLR  
 Run Time: 01/27/12 22:03:31

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265
Avge	.22345	.17638	.19548	.32332	.66158	.73465	2.6781
SDev	.00029	.00040	.00012	.00014	.00145	.00023	.0017
%RSD	.12854	.22878	.06186	.04242	.21874	.03111	.06306
#1	.22325	.17610	.19556	.32322	.66056	.73448	2.6793
#2	.22365	.17667	.19539	.32342	.66260	.73481	2.6769
Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avge	.24303	.16204	.20958	.16472	.13319	.80634	1.0942
SDev	.00015	.00012	.00057	.00032	.00013	.00000	.0007
%RSD	.06049	.07457	.27353	.19749	.10013	.00033	.06015
#1	.24293	.16195	.20917	.16495	.13328	.80634	1.0937
#2	.24314	.16212	.20999	.16449	.13310	.80634	1.0947
Elem	Zn203/1	Zn203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avge	.83942	.18664	.26849	.63223	.44778	.27729	1.4788
SDev	.00073	.00010	.00046	.00098	.00185	.00066	.0026
%RSD	.08712	.05327	.17260	.15544	.41230	.23733	.17413
#1	.83891	.18671	.26816	.63153	.44909	.27682	1.4769
#2	.83994	.18657	.26881	.63292	.44648	.27775	1.4806
Elem	Ti3349	Tl1908	Zn2062	Si2881			
Avge	1.0831	.16609	.12587	.05771			
SDev	.0017	.00143	.00012	.00003			
%RSD	.15452	.86003	.09457	.05994			
#1	1.0819	.16508	.12596	.05774			
#2	1.0843	.16710	.12579	.05769			

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134140	--	--	--	--	--	--
SDev	166.1701	--	--	--	--	--	--
%RSD	.1238786	--	--	--	--	--	--
#1	134022	--	--	--	--	--	--
#2	134257	--	--	--	--	--	--

Method: P50127C Standard: S1  
 Run Time: 01/27/12 22:09:44

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Cd2265
Avgc	.44722	.34892	.39068	.62885	1.3267	1.4554	5.2964
SDev	.00085	.00063	.00060	.00154	.0024	.0016	.0023
%RSD	.18987	.18153	.15221	.24438	.17795	.11212	.04359
#1	.44662	.34848	.39026	.62776	1.3250	1.4542	5.2948
#2	.44782	.34937	.39110	.62994	1.3284	1.4565	5.2981
Elem	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mo2020	Ni2316
Avgc	.48238	.32208	.41847	.32724	.26472	1.5992	2.1696
SDev	.00100	.00037	.00114	.00032	.00047	.0031	.0015
%RSD	.20754	.11429	.27269	.09672	.17629	.19246	.06689
#1	.48167	.32182	.41766	.32747	.26439	1.5970	2.1686
#2	.48309	.32234	.41928	.32702	.26505	1.6014	2.1707
Elem	2203/1	2203/2	Sb2068	1960/1	1960/2	Sn1899	Sr4215
Avgc	1.6709	.37124	.53463	1.2605	.88827	.54883	2.9488
SDev	.0038	.00030	.00161	.0017	.00074	.00025	.0051
%RSD	.22524	.07933	.30185	.13777	.08354	.04584	.17392
#1	1.6683	.37144	.53348	1.2592	.88775	.54900	2.9451
#2	1.6736	.37103	.53577	1.2617	.88880	.54865	2.9524
Elem	Ti3349	Tl1908	Zn2062	Si2881			
Avgc	2.1605	.33649	.24786	.10652			
SDev	.0032	.00085	.00036	.00004			
%RSD	.14676	.25377	.14396	.03885			
#1	2.1582	.33588	.24811	.10655			
#2	2.1627	.33709	.24761	.10649			

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132615	--	--	--	--	--	--
SDev	190.9198	--	--	--	--	--	--
%RSD	.1439647	--	--	--	--	--	--
#1	132480	--	--	--	--	--	--
#2	132750	--	--	--	--	--	--

Method: P50127C Standard: S2

Run Time: 01/27/12 22:15:56

Elem	Al3082	Ca3179	Fe2714	K_7664	Mg2790	Mn2576	Na5889
Avge	3.5170	3.2279	1.6066	8.5939	1.6566	8.1873	47.286
SDev	.0032	.0032	.0009	.0085	.0024	.0118	.026
%RSD	.09092	.09873	.05693	.09936	.14777	.14413	.05504

#1	3.5193	3.2302	1.6072	8.5999	1.6583	8.1956	47.305
#2	3.5147	3.2257	1.6060	8.5879	1.6549	8.1789	47.268

Elem	V_2924
Avge	1.7020
SDev	.0028
%RSD	.16570

#1	1.7040
#2	1.7000

Int.Std	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	129683	--	--	--	--	--	--
SDev	144.2498	--	--	--	--	--	--
%RSD	.1112326	--	--	--	--	--	--
#1	129581	--	--	--	--	--	--
#2	129785	--	--	--	--	--	--



Method: P50127C      Standard: S2A  
Run Time: 01/27/12 22:21:06

Elem	Mn2576	Na5889	V_2924
Avg	3.3569	19.010	.68186
SDev	.0058	.003	.00088
%RSD	.17223	.01505	.12951

#1	3.3610	19.008	.68248
#2	3.3528	19.012	.68123

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	132415	--	--	--	--	--	--
SDev	1.414214	--	--	--	--	--	--
%RSD	.0010680	--	--	--	--	--	--

#1	132414	--	--	--	--	--	--
#2	132416	--	--	--	--	--	--

Method: P50127C Standard: S2B  
 Run Time: 01/27/12 22:26:17

Elem	Mn2576	Na5889	V_2924
Avge	4.2230	23.985	.86117
SDev	.0001	.012	.00020
%RSD	.00193	.04868	.02324

#1	4.2229	23.977	.86131
#2	4.2230	23.993	.86103

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	131424	--	--	--	--	--	--
SDev	41.71930	--	--	--	--	--	--
%RSD	.0317442	--	--	--	--	--	--
#1	131453	--	--	--	--	--	--
#2	131394	--	--	--	--	--	--

Method: P50127C

Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	Multiple	Standards	2.24372	.000246	01/27/12 10:09:44
Al3082	308.215	Multiple	Standards	28.9482	-.162476	01/27/12 10:15:56
As1890	189.042	Multiple	Standards	2.55783	.002092	01/27/12 10:09:44
B_2496	249.678	Multiple	Standards	1.66974	-.039221	01/27/12 10:09:44
Ba4934	493.409	Multiple	Standards	.757330	-.000118	01/27/12 10:09:44
Be3130	313.042	Multiple	Standards	.684169	-.000808	01/27/12 10:09:44
Ca3179	317.933	S2	S0	.767110	.001589	01/27/12 10:26:17
Cd2265	226.502	Multiple	Standards	.187819	.000151	01/27/12 10:09:44
Co2286	228.616	Multiple	Standards	2.07223	-.000193	01/27/12 10:09:44
Cr2677	267.716	Multiple	Standards	3.10628	-.000460	01/27/12 10:09:44
Cu3247	324.753	Multiple	Standards	2.41445	-.005364	01/27/12 10:09:44
Fe2714	271.441	Multiple	Standards	30.8374	-.006553	01/27/12 10:15:56
K_7664	766.491	S2	S0	.963709	-.004443	01/27/12 10:26:17
Mg2790	279.078	Multiple	Standards	30.0947	-.001331	01/27/12 10:15:56
Mn2576	257.610	Multiple	Standards	1.19850	-.000525	01/27/12 10:26:17
Mo2020	202.030	Multiple	Standards	.624955	-.001322	01/27/12 10:09:44
Na5889	588.995	Multiple	Standards	1.05667	-.158759	01/27/12 10:26:17
Ni2316	231.604	Multiple	Standards	.459899	-.000224	01/27/12 10:09:44
2203/1	220.351	Multiple	Standards	.600466	.000044	01/27/12 10:09:44
2203/2	220.352	Multiple	Standards	2.68494	.000387	01/27/12 10:09:44
Sb2068	206.838	Multiple	Standards	1.88768	-.001287	01/27/12 10:09:44
1960/1	196.021	Multiple	Standards	.787143	.005952	01/27/12 10:09:44
1960/2	196.022	Multiple	Standards	1.12356	-.002589	01/27/12 10:09:44
Pb2203	220.353	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Se1960	196.023	NONE	NONE	1.00000	.000000	*NOT STANDARDIZED
Sn1899	189.989	Multiple	Standards	1.81830	-.001991	01/27/12 10:09:44
Sr4215	421.552	Multiple	Standards	.339259	-.000097	01/27/12 10:09:44
Ti3349	334.941	Multiple	Standards	.463659	-.000030	01/27/12 10:09:44
Tl1908	190.864	Multiple	Standards	2.97794	.004600	01/27/12 10:09:44
V_2924	292.402	Multiple	Standards	5.84869	.000128	01/27/12 10:26:17
Zn2062	206.200	Multiple	Standards	4.00878	-.000415	01/27/12 10:09:44
Si2881	288.158	Multiple	Standards	10.3205	-.091006	01/27/12 10:09:44

Method: P50127C

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	S0	.000000	.000011	-.000011
		S1A	.400000	.397243	.002757
		S1B	.500000	.501606	-.001606
		S1	1.000000	1.00368	-.003680

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	S0	.000000	.000645	-.000645
		S1B	5.000000	4.94351	.056494
		S1	10.0000	9.93823	.061773
		S2	100.000	101.648	-1.64810

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	S0	.000000	.000009	-.000009
		S1A	.400000	.396959	.003041
		S1B	.500000	.502096	-.002096
		S1	1.000000	1.00137	-.001374

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	S0	.000000	.000024	-.000024
		S1A	.400000	.396247	.003753
		S1B	.500000	.500641	-.000641
		S1	1.000000	1.01080	-.010797

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	S0	.000000	.000012	-.000012
		S1A	.400000	.397466	.002534
		S1B	.500000	.500916	-.000916
		S1	1.000000	1.00464	-.004643

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	S0	.000000	-.000002	.000002
		S1A	.400000	.397997	.002003
		S1B	.500000	.501814	-.001814
		S1	1.000000	.994929	.005071

CorCoef: 0.99999

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Ca3179	317.933	S0	.002581	.001293	.001288
		S2	2.47777	3.22794	-.750167

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	S0	.000000	-.000010	.000010
		S1A	.400000	.400131	-.000131
		S1B	.500000	.503143	-.003143
		S1	1.000000	.994922	.005078

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2285	228.616	S0	.000000	.000000	-.000000
		S1A	.400000	.398926	.001074
		S1B	.500000	.503430	-.003430
		S1	1.000000	.999412	.000588

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	S0	.000000	.000005	-.000005
		S1A	.400000	.397697	.002303
		S1B	.500000	.502870	-.002870
		S1	1.000000	1.00002	-.000018

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	S0	.000000	.000013	-.000013
		S1A	.400000	.397560	.002440
		S1B	.500000	.500656	-.000656
		S1	1.000000	1.00501	-.005010

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	S0	.000000	-.000446	.000446
		S1B	5.00000	5.07300	-.072999
		S1	10.0000	10.0848	-.084818
		S2	50.0000	49.5369	.463100

CorCoef: 1.00000

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	S0	.000703	.005340	-.004637
		S2	8.27758	8.59390	-.316324

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	S0	.000000	-.000094	.000094
		S1B	4.00000	4.00697	-.006972
		S1	8.00000	7.96547	.034531
		S2	50.0000	49.8530	.147003

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	S0	.000000	-.000337	.000337
		S2A	4.00000	4.02271	-.022713
		S2B	5.00000	5.06072	-.060720
		S2	10.0000	9.81194	.188059

CorCoef: 0.99983

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	S0	.000000	.000009	-.000009
		S1A	.400000	.396239	.003761
		S1B	.500000	.502604	-.002604
		S1	1.000000	.998102	.001898

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na5889	588.995	S0	.000000	-.000166	.000166
		S2A	20.0000	19.9286	.071377
		S2B	25.0000	25.1857	-.185673
		S2	50.0000	49.8071	.192909
CorCoef: 0.99998					
Ni2316	231.604	S0	.000000	-.000000	.000000
		S1A	.400000	.398269	.001735
		S1B	.500000	.503003	-.003003
		S1	1.000000	.997585	.002415
CorCoef: 0.99998					
2203/1	220.351	S0	.000000	-.000003	.000003
		S1A	.400000	.400055	-.000055
		S1B	.500000	.504089	-.004089
		S1	1.000000	1.00337	-.003374
CorCoef: 1.00000					
2203/2	220.352	S0	.000000	.000006	-.000006
		S1A	.400000	.396524	.003476
		S1B	.500000	.501498	-.001498
		S1	1.000000	.997133	.002867
CorCoef: 0.99998					
Sb2068	206.838	S0	.000000	.000011	-.000011
		S1A	.400000	.398793	.001207
		S1B	.500000	.505526	-.005526
		S1	1.000000	1.00791	-.007913
CorCoef: 0.99998					
1960/1	196.021	S0	.000000	-.000001	.000001
		S1A	.400000	.398493	.001507
		S1B	.500000	.503605	-.003605
		S1	1.000000	.998115	.001885
CorCoef: 0.99998					
1960/2	196.022	S0	.000000	.000006	-.000006
		S1A	.400000	.397106	.002894
		S1B	.500000	.500525	-.000525
		S1	1.000000	.995441	.004559
CorCoef: 0.99999					
Pb2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.023	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
Sn1899	189.989	S0	.000000	.000006	-.000006
		S1A	.400000	.395821	.004179
		S1B	.500000	.502198	-.002198
		S1	1.000000	.995940	.004060
CorCoef: 0.99997					
Sr4215	421.552	S0	.000000	.000003	-.000003
		S1A	.400000	.398609	.001391
		S1B	.500000	.501588	-.001588
		S1	1.000000	1.00030	-.000302
CorCoef: 1.00000					
Ti3349	334.941	S0	.000000	.000007	-.000007
		S1A	.400000	.397834	.002166
		S1B	.500000	.502150	-.002150
		S1	1.000000	1.00169	-.001688
CorCoef: 0.99999					
Tl1908	190.864	S0	.000000	.000015	-.000015
		S1A	.400000	.397970	.002030
		S1B	.500000	.499198	.000802
		S1	1.000000	1.00664	-.006643
CorCoef: 0.99998					
V_2924	292.402	S0	.000000	-.000046	.000046
		S2A	4.000000	3.98809	.011907
		S2B	5.000000	5.03684	-.036845
		S2	10.000000	9.95459	.045415
CorCoef: 0.99998					
Zn2062	206.200	S0	.000000	-.000011	.000011
		S1A	.400000	.399682	.000318
		S1B	.500000	.504181	-.004181
		S1	1.000000	.993204	.006796
CorCoef: 0.99996					
Si2881	288.158	S0	.000000	.000006	-.000006
		S1B	.500000	.504614	-.004614
		S1	1.000000	1.00836	-.008362
		S1A	.400000	.400872	-.000872
CorCoef: 1.00000					

Method: P50127C Sample Name: S1  
 Run Time: 01/27/12 22:33:42  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0033	9.9331	1.0027	1.0084	1.0041	.99651	4.0068
SDev	.0016	.0075	.0011	.0016	.0002	.00093	.0086
%RSD	.15876	.07584	.11105	.15530	.01788	.09301	.21372
#1	1.0022	9.9278	1.0019	1.0073	1.0043	.99585	4.0007
#2	1.0044	9.9384	1.0035	1.0095	1.0040	.99716	4.0128
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	1.0000		1.0000	1.0000	1.0000	1.0000	
Range	5.0000		5.0000	5.0000	5.0000	5.0000	
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99385	.99810	1.0001	1.0055	10.049	10.408	7.9735
SDev	.00258	.00141	.0010	.0008	.011	.010	.0192
%RSD	.25972	.14106	.10249	.07982	.10780	.09259	.24070
#1	.99202	.99710	.99936	1.0049	10.042	10.402	7.9600
#2	.99567	.99909	1.0008	1.0061	10.057	10.415	7.9871
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	1.0000	1.0000	1.0000	1.0000			
Range	5.0000	5.0000	5.0000	5.0000			
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	1.0033	10.322	.99714	.99735	1.0004	1.0017
SDev	.00007	.0025	.012	.00116	.00020	.0019	.0009
%RSD	12.493	.25077	.11232	.11633	.02041	.19087	.08849
#1	.00059	1.0016	10.313	.99632	.99749	.99903	1.0023
#2	.00050	1.0051	10.330	.99796	.99720	1.0017	1.0011
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value		1.0000	10.000	1.0000			1.0000
Range		5.0000	5.0000	5.0000			5.0000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0031	1.0015	.99943	1.0021	.99851	1.0005	1.0017
SDev	.0001	.0040	.00120	.0027	.00093	.0002	.0008
%RSD	.01168	.40119	.12058	.27119	.09341	.02101	.07862
#1	1.0030	.99867	.99858	1.0002	.99785	1.0004	1.0011
#2	1.0032	1.0044	1.0003	1.0010	.99917	1.0007	1.0022
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value				1.0000	1.0000	1.0000	1.0000
Range				5.0000	5.0000	5.0000	5.0000
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm			
Avg	1.0038	-.00090	.99204	.99712			
SDev	.0065	.00001	.00303	.00350			
%RSD	.65176	1.4210	.30529	.35115			
#1	.99913	-.00091	.98990	.99461			
#2	1.0084	-.00089	.99418	.99959			
Errors	QC Pass	NOCHECK	QC Pass	QC Pass			
Value	1.0000		1.0000	1.0000			
Range	5.0000		5.0000	5.0000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	132595	--	--	--	--	--	--
SDev	55.15433	--	--	--	--	--	--
%RSD	.0415961	--	--	--	--	--	--
#1	132556	--	--	--	--	--	--
#2	132634	--	--	--	--	--	--

Method: P50127C

Sample Name: S2

Operator: TDS

Run Time: 01/27/12 22:42:10

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00143	101.72	.00226	-.00425	.00025	-.00019	49.856
SDev	.00015	.13	.00140	.00034	.00001	.00002	.019
%RSD	10.279	.12306	61.945	7.9108	2.3497	12.598	.03722
#1	.00133	101.80	.00325	-.00401	.00024	-.00017	49.843
#2	.00153	101.63	.00127	-.00449	.00025	-.00021	49.870
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value		100.00					50.000
Range		5.0000					5.0000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00051	.00034	.00131	.00132	49.399	100.30	49.840
SDev	.00017	.00020	.00031	.00005	.002	.09	.008
%RSD	33.290	59.044	23.878	3.9698	.00487	.09341	.01567
#1	.00063	.00049	.00109	.00128	49.397	100.36	49.835
#2	.00039	.00020	.00153	.00136	49.400	100.23	49.846
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value					50.000	100.00	50.000
Range					5.0000	5.0000	5.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.7898	.00105	49.822	.00044	19.640	19.586	-.00013
SDev	.0088	.00070	.049	.00030	.009	.031	.00099
%RSD	.09031	66.863	.09758	69.727	.04328	.16072	747.53
#1	9.7961	.00055	49.857	.00022	19.634	19.564	.00057
#2	9.7836	.00155	49.788	.00065	19.646	19.609	-.00083
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	10.000		50.000				
Range	5.0000		5.0000				
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00309	.00180	19.604	.00228	-.00333	.00223	.00017
SDev	.00177	.00050	.024	.00026	.00020	.00000	.00000
%RSD	57.203	27.697	.12152	11.300	6.1124	.08444	2.0865
#1	.00435	.00145	19.587	.00247	-.00348	.00223	.00017
#2	.00184	.00215	19.621	.00210	-.00319	.00224	.00017
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value			20.000				
Range			5.0000				
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.00554	9.9467	.00263	-.00008
SDev	.00171	.0059	.00008	.00109
%RSD	30.833	.05902	2.9637	1407.8

#1	.00434	9.9508	.00269	.00069
#2	.00675	9.9425	.00258	-.00085

Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		10.000		
Range		5.0000		

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	129240	--	--	--	--	--	--
SDev	310.4199	--	--	--	--	--	--
%RSD	.2401896	--	--	--	--	--	--
#1	129459	--	--	--	--	--	--
#2	129020	--	--	--	--	--	--

Method: P50127C Sample Name: JCV

Operator: TDS

Run Time: 01/27/12 22:50:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40002	38.890	.40322	.37684	.40007	.39358	19.790
SDev	.00034	.028	.00018	.00108	.00062	.00053	.017
%RSD	.08521	.07292	.04392	.28517	.15563	.13374	.08734
#1	.39978	38.910	.40310	.37608	.39963	.39396	19.802
#2	.40026	38.870	.40335	.37760	.40051	.39321	19.777
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	40.000	.40000	.40000	.40000	.40000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39319	.39126	.39355	.40138	19.680	39.852	19.749
SDev	.00007	.00044	.00018	.00000	.026	.002	.018
%RSD	.01875	.11339	.04683	.00034	.13364	.00481	.08953
#1	.39314	.39157	.39368	.40138	19.698	39.854	19.761
#2	.39325	.39094	.39342	.40138	19.661	39.851	19.736
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	.40000	.40000	.40000	20.000	40.000	20.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0272	.39378	20.373	.39511	.39383	.39727	.40639
SDev	.0042	.00002	.002	.00047	.00022	.00270	.00113
%RSD	.10335	.00538	.01005	.11797	.05629	.68054	.27233
#1	4.0302	.39376	20.374	.39478	.39367	.39918	.40561
#2	4.0243	.39379	20.371	.39544	.39399	.39536	.40717
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	4.0000	.40000	20.000	.40000			.40000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.39677	.39472	.39620	.39546	.39324	.39979	.40520
SDev	.00229	.00310	.00173	.00130	.00214	.00022	.00007
%RSD	.57675	.78399	.43624	.32877	.54508	.05510	.01770
#1	.39515	.39691	.39742	.39638	.39476	.39964	.40525
#2	.39839	.39253	.39498	.39454	.39173	.39995	.40515
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass
Value			.40000	.40000	.40000		.40000
Range			10.000	10.000	10.000		10.000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.39752	3.9585	.38689	.38758
SDev	.00136	.0001	.00076	.00012
%RSD	.34321	.00125	.19556	.02970

#1	.39655	3.9585	.38743	.38750
#2	.39848	3.9585	.38636	.38766

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.40000	4.0000	.40000	.40000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	132211	--	--	--	--	--	--
SDev	239.0021	--	--	--	--	--	--
%RSD	.1807732	--	--	--	--	--	--
#1	132380	--	--	--	--	--	--
#2	132042	--	--	--	--	--	--

Method: P50127C Sample Name: ICB  
 Run Time: 01/27/12 22:59:05  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00004	.00377	.00097	.00031	.00003	.00002	-.00376
SDev	.00041	.00051	.00032	.00007	.00003	.00001	.00012
%RSD	1091.6	13.645	33.606	21.325	111.22	28.167	3.1548
#1	-.00025	.00341	.00120	.00027	.00001	.00002	-.00367
#2	.00033	.00413	.00074	.00036	.00005	.00002	-.00384
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00022	-.00015	.00002	-.00124	-.00522	-.00112
SDev	.00017	.00023	.00028	.00002	.02175	.00443	.00221
%RSD	185.46	105.70	189.25	132.99	1758.9	84.866	198.32
#1	-.00003	-.00038	-.00034	.00000	-.01661	-.00835	-.00268
#2	.00022	-.00005	.00005	.00004	.01414	-.00209	.00015
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.70000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00083	-.02772	.00022	.00050	.00147	.00001
SDev	.00006	.00005	.00015	.00017	.00026	.00102	.00013
%RSD	75.456	5.5080	.53353	74.484	51.510	69.457	1043.6
#1	-.00004	-.00080	-.02783	.00034	.00068	.00075	.00010
#2	-.00012	-.00086	-.02762	.00011	.00032	.00219	-.00008
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00130	.00120	.00122	.00129	-.00015	-.00001	.00011
SDev	.00008	.00144	.00060	.00099	.00032	.00000	.00013
%RSD	5.9377	120.15	49.291	76.798	210.74	13.246	117.41
#1	.00135	.00222	.00079	.00199	.00007	-.00002	.00002
#2	.00125	.00018	.00164	.00059	-.00038	-.00001	.00020
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.00142	.00004	-.00010	-.00493
SDev	.00062	.00000	.00002	.00166
%RSD	43.578	2.3479	21.095	33.603

#1	.00185	.00004	-.00012	-.00610
#2	.00098	.00004	-.00009	-.00376

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.01000	.20000

Int.Std	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134346	--	--	--	--	--	--
SDev	288.4996	--	--	--	--	--	--
%RSD	.2147437	--	--	--	--	--	--
#1	134550	--	--	--	--	--	--
#2	134142	--	--	--	--	--	--

Method: P50127C Sample Name: CRI  
 Run Time: 01/27/12 23:05:16  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2196	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00986	.38878	.01951	.08436	.01986	.00802	.40121
SDev	.00015	.00115	.00157	.00078	.00014	.00002	.00168
%RSD	1.5458	.29683	8.0345	.92035	.71951	.24466	.41955
#1	.00997	.38796	.01840	.08381	.01975	.00800	.40002
#2	.00975	.38960	.02061	.08491	.01996	.00803	.40210
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.01000	.40000	.02000	.10000	.02000	.00800	.40000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00440	.00951	.02008	.02016	.40287	.92058	.19661
SDev	.00015	.00024	.00018	.00019	.00187	.00155	.00066
%RSD	3.3740	2.5053	.88189	.96685	.46475	.16859	.33529
#1	.00429	.00971	.02020	.02002	.40419	.91948	.19614
#2	.00450	.00937	.01995	.02030	.40154	.92168	.19707
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00400	.01000	.02000	.02000	.40000	1.0000	.20000
Range	50.000	50.000	50.000	50.000	50.000	50.000	50.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02054	.01850	1.8254	.02033	.00999	.00937	.03967
SDev	.00003	.00045	.0000	.00021	.00134	.00061	.00013
%RSD	.13990	2.4096	.00258	1.0225	13.368	6.4837	.33392
#1	.02057	.01882	1.8254	.02048	.01093	.00980	.03976
#2	.02052	.01818	1.8254	.02019	.00904	.00894	.03958
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.02000	.02000	2.0000	.02000			.04000
Range	50.000	50.000	50.000	50.000			50.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02022	.02002	.00965	.02014	.08009	.01005	.01018
SDev	.00018	.00094	.00085	.00057	.00120	.00001	.00011
%RSD	.89181	4.7189	8.8082	2.8288	1.4997	.07359	1.0726
#1	.02035	.01935	.01025	.01974	.07924	.01005	.01011
#2	.02009	.02069	.00905	.02054	.08094	.01004	.01026
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.01000	.02000	.08000	.01000	.01000
Range			50.000	50.000	50.000	25.000	50.000
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.01954	.00977	.03960	.38982
SDev	.00159	.00003	.00014	.00186
%RSD	8.1270	.31095	.35816	.47663
#1	.01842	.00975	.03970	.38851
#2	.02067	.00979	.03950	.39114
Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.02000	.01000	.04000	.40000
Range	50.000	25.000	25.000	25.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134074	--	--	--	--	--	--
SDev	20.50610	--	--	--	--	--	--
%RSD	.0152947	--	--	--	--	--	--
#1	134088	--	--	--	--	--	--
#2	134059	--	--	--	--	--	--

Method: P50127C Sample Name: IC5A  
 Run Time: 01/27/12 23:11:28  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	504.11	.00222	-.01522	.00034	-.00007	494.07
SDev	.00017	.32	.00060	.00011	.00003	.00000	1.07
%RSD	121.84	.06341	27.253	.72262	10.427	5.7959	.21708
#1	-.00027	503.89	.00265	-.01529	.00036	-.00007	493.31
#2	-.00002	504.34	.00179	-.01514	.00031	-.00006	494.83
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	500.00	.00000	.00000	.00000	.00000	500.00
Range	.01000	100.00	.02000	.10000	.02000	.00800	100.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00236	-.00063	.00133	-.00292	190.27	-.01119	519.69
SDev	.00001	.00008	.00006	.00014	.45	.00380	1.06
%RSD	.26402	12.386	4.2204	4.6947	.23453	34.003	.20482
#1	.00236	-.00057	.00137	-.00302	189.95	-.01388	518.94
#2	.00237	-.00068	.00129	-.00283	190.58	-.00850	520.45
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	200.00	.00000	500.00
Range	.00400	.01000	.02000	.02000	40.000	2.0000	100.00
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00610	.00465	-.01256	.00059	-.00395	.00084	-.00349
SDev	.00004	.00056	.00221	.00004	.00155	.00116	.00208
%RSD	.68802	12.039	17.593	6.4741	39.251	137.64	59.445
#1	.00613	.00426	-.01100	.00056	-.00285	.00002	-.00202
#2	.00607	.00505	-.01412	.00062	-.00504	.00166	-.00496
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.02000	.02000	.20000	.02000			.04000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00080	-.00152	-.00068	-.00069	-.00356	.00236	-.00375
SDev	.00120	.00174	.00026	.00156	.00135	.00000	.00008
%RSD	151.02	114.67	38.178	227.49	37.954	.04452	2.2254
#1	-.00005	-.00274	-.00087	-.00179	-.00451	.00236	-.00381
#2	.00165	-.00029	-.00050	.00042	-.00260	.00237	-.00369
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.01000	.02000	.04000	.01000	.01000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.00312	.00436	.00475	.00415
SDev	.00213	.00039	.00049	.00037
%RSD	68.318	9.0227	10.389	8.9841

#1	.00462	.00408	.00440	.00389
#2	.00161	.00464	.00509	.00441

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.02000	.01000	.04000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	118735	--	--	--	--	--	--
SDev	46.66905	--	--	--	--	--	--
%RSD	.0393052	--	--	--	--	--	--
#1	118702	--	--	--	--	--	--
#2	118768	--	--	--	--	--	--

Method: P50127C Sample Name: TCSAB

Operator: TDS

Run Time: 01/27/12 23:17:40

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22283	508.74	.10294	-.01382	.53411	.49277	495.48
SDev	.00006	.25	.00016	.00035	.00058	.00046	.56
%RSD	.02666	.04894	.44597	2.4976	.10816	.09297	.11225
#1	.22279	508.56	.10261	-.01357	.53451	.49245	495.08
#2	.22287	508.92	.10326	-.01406	.53370	.49310	495.87
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.00	.10000	.00000	.50000	.50000	500.00
Range	.04000	100.00	.02000	.10000	.10000	.10000	100.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.92870	.47124	.49033	.55669	191.89	-.00169	521.73
SDev	.00073	.00056	.00028	.00010	.16	.00552	.55
%RSD	.07880	.11904	.05622	.01823	.08433	326.89	.10624
#1	.92819	.47084	.49053	.55662	191.78	-.00559	521.34
#2	.92922	.47163	.49014	.55676	192.01	.00221	522.12
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.0000	.50000	.50000	.50000	200.00	.00000	500.00
Range	.20000	.10000	.10000	.10000	40.000	4.0000	100.00
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50890	.00463	-.02065	.92186	.04039	.05243	.61173
SDev	.00019	.00051	.00050	.00024	.00064	.00140	.00337
%RSD	.03685	11.068	2.4384	.02644	1.5710	2.6695	.55124
#1	.50877	.00499	-.02030	.92168	.03994	.05342	.60935
#2	.50904	.00426	-.02101	.92203	.04084	.05144	.61411
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.50000	.00000	.00000	1.0000			.60000
Range	.10000	.02000	.40000	.20000			.12000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04967	.04696	.04850	.04792	-.00301	.00254	-.00365
SDev	.00373	.00208	.00072	.00263	.00108	.00002	.00005
%RSD	7.5018	4.4215	1.4757	5.4804	35.767	.70373	1.2322
#1	.05230	.04842	.04901	.04978	-.00378	.00252	-.00369
#2	.04704	.04549	.04799	.04606	-.00225	.00255	-.00362
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.05000	.05000	.00000	.00000	.00000
Range			.01000	.01000	.04000	.01000	.01000
Elem	Tl1908	V_2924	Zn2062	Sj2881			

Units	ppm	ppm	ppm	ppm
Avge	.09970	.50731	.90817	.01516
SDev	.00133	.00012	.00142	.00198
%RSD	1.3327	.02420	.15674	13.033

#1	.09876	.50740	.90717	.01655
#2	.10064	.50722	.90918	.01376

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.10000	.50000	1.0000	.00000
Range	.02000	.10000	.20000	.40000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	117978	--	--	--	--	--	--
SDev	111.0158	--	--	--	--	--	--
%RSD	.0940991	--	--	--	--	--	--
#1	117899	--	--	--	--	--	--
#2	118056	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/27/12 23:26:08  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51501	50.299	.51702	.51818	.51322	.50625	25.697
SDev	.00017	.002	.00114	.00044	.00022	.00020	.001
%RSD	.03335	.00362	.21976	.08565	.04318	.03935	.00402
#1	.51489	50.300	.51622	.51850	.51338	.50611	25.696
#2	.51513	50.298	.51782	.51787	.51306	.50639	25.697
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50354	.50264	.50663	.51669	25.489	51.399	25.586
SDev	.00027	.00064	.00006	.00012	.024	.016	.009
%RSD	.05348	.12765	.01235	.02270	.09473	.03117	.03452
#1	.50335	.50219	.50658	.51660	25.506	51.388	25.592
#2	.50373	.50310	.50667	.51677	25.472	51.410	25.580
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1649	.50652	26.179	.50658	.50522	.50636	.52276
SDev	.0015	.00185	.003	.00096	.00227	.00052	.00102
%RSD	.02917	.36428	.01241	.19026	.44889	.10224	.19590
#1	5.1638	.50782	26.177	.50590	.50361	.50673	.52348
#2	5.1660	.50521	26.182	.50726	.50682	.50599	.52204
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50966	.51076	.50605	.51045	.50753	.51287	.52123
SDev	.00197	.00001	.00041	.00067	.00011	.00012	.00058
%RSD	.38720	.00204	.08118	.13023	.02163	.02271	.11148
#1	.50827	.51076	.50576	.50998	.50761	.51279	.52082
#2	.51106	.51077	.50635	.51092	.50746	.51295	.52164
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Tl1908	V_2924	Zn2062	Zr2881			

Units	ppm	ppm	ppm	ppm
Avge	.51261	5.0914	.49719	.49444
SDev	.00421	.0030	.00073	.00069
%RSD	.82065	.05861	.14699	.13877

#1	.50964	5.0893	.49667	.49395
#2	.51559	5.0935	.49770	.49492

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	131364	--	--	--	--	--	--
SDev	16.26346	--	--	--	--	--	--
%RSD	.0123804	--	--	--	--	--	--
#1	131376	--	--	--	--	--	--
#2	131353	--	--	--	--	--	--

Method: P50127C Sample Name: CCB

Operator: TDS

Run Time: 01/27/12 23:32:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.01186	.00093	.00197	.00011	.00007	.00453
SDev	.00009	.00261	.00133	.00034	.00002	.00001	.00284
%RSD	317.46	21.991	143.26	17.165	22.402	12.321	62.732
#1	-.00004	.01370	.00186	.00220	.00012	.00007	.00654
#2	.00010	.01001	-.00001	.00173	.00009	.00006	.00252
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00020	-.00016	.00032	-.00128	.00098	.00713
SDev	.00003	.00008	.00005	.00008	.01424	.00041	.00125
%RSD	16.281	37.837	32.667	25.959	1116.7	41.255	17.574
#1	.00014	-.00026	-.00018	.00026	.00879	.00127	.00802
#2	.00017	-.00015	-.00011	.00038	-.01134	.00070	.00625
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00133	-.04315	-.00003	-.00094	-.00099	.00068
SDev	.00016	.00122	.00088	.00041	.00119	.00068	.00005
%RSD	93.435	92.038	2.0420	1311.9	126.03	68.807	7.3849
#1	.00029	-.00219	-.04253	-.00032	-.00010	-.00147	.00071
#2	.00006	-.00046	-.04378	.00026	-.00178	-.00051	.00064
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00118	.00086	-.00090	.00102	-.00026	.00002	.00016
SDev	.00269	.00102	.00006	.00022	.00020	.00001	.00003
%RSD	226.79	118.24	6.3415	21.362	76.372	67.121	18.821
#1	.00308	.00014	-.00094	.00117	-.00040	.00003	.00018
#2	-.00071	.00158	-.00086	.00087	-.00012	.00001	.00014
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.00105	.00023	.00018	-.00486
SDev	.00027	.00009	.00004	.00138
%RSD	25.632	38.122	23.618	28.325

#1	.00086	.00029	.00021	-.00583
#2	.00124	.00017	.00015	-.00389

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134842	--	--	--	--	--	--
SDev	329.4005	--	--	--	--	--	--
%RSD	.0959649	--	--	--	--	--	--
#1	134750	--	--	--	--	--	--
#2	134933	--	--	--	--	--	--

Method: P50127C Sample Name: LB 500-139282/1-B Operator: TDS  
 Run Time: 01/27/12 23:38:36  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.03062	.00013	H.33781	.00242	.00007	.19853
SDev	.00025	.00060	.00045	.00139	.00001	.00000	.00027
%RSD	2122.8	1.9740	345.38	.41029	.32436	3.4913	.13741
#1	.00019	.03019	.00045	H.33683	.00241	.00007	.19872
#2	-.00017	.03105	-.00019	H.33879	.00242	.00007	.19833
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00013	.00023	.00071	.00112	.00559	.49896	.06686
SDev	.00010	.00008	.00018	.00018	.00404	.00754	.00425
%RSD	74.351	36.085	25.055	15.926	72.280	1.5113	6.3549
#1	.00020	.00029	.00084	.00124	.00845	H.50429	.06987
#2	.00006	.00017	.00059	.00099	.00273	.49363	.06386
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	-.00071	H388.18	.00105	.00376	-.00047	.00217
SDev	.00006	.00066	.41	.00012	.00082	.00174	.00057
%RSD	87.786	93.782	.10656	11.720	21.948	367.58	26.450
#1	.00003	-.00024	H388.47	.00114	.00317	-.00170	.00258
#2	.00011	-.00118	H387.89	.00096	.00434	.00076	.00177
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00435	.01084	.00101	.00873	.00059	.00092	.00004
SDev	.00141	.00086	.00143	.00011	.00038	.00002	.00005
%RSD	32.390	7.9812	141.06	1.2211	64.587	2.1166	140.50
#1	.00535	.01023	.00000	.00866	.00085	.00093	.00000
#2	.00336	.01145	.00202	.00881	.00032	.00090	.00007
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	-.00095	.00008	.00374	.07628
SDev	.00099	.00047	.00005	.00107
%RSD	103.99	581.27	1.4389	1.4078

#1	-.00166	.00041	.00378	.07552
#2	-.00025	-.00025	.00370	.07703

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	.01000	.00500	.02000	.20000
Low	-.01000	-.00500	-.01000	-.20000

InStrd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	124436	--	--	--	--	--	--
SDev	250.3158	--	--	--	--	--	--
%RSD	.2011603	--	--	--	--	--	--

#1	124259	--	--	--	--	--	--
#2	124613	--	--	--	--	--	--

Method: P50127C Sample Name: LB2 500-139283/1-B Operator: TDS  
 Run Time: 01/27/12 23:44:48  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.02079	.00092	H.35139	.00100	-.00000	H.28135
SDev	.00007	.00011	.00128	.00111	.00005	.00000	.00153
%RSD	28.801	.50424	139.19	.31483	5.4326	40.013	.54207
#1	.00030	.02086	.00001	H.35061	.00096	-.00000	H.28028
#2	.00020	.02071	.00183	H.35217	.00104	-.00000	H.28243
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00008	.00007	.00019	.00072	.00655	.05282	H.10473
SDev	.00007	.00002	.00007	.00026	.00891	.00137	.00093
%RSD	88.797	32.567	35.300	35.988	136.12	2.6028	.88343
#1	.00003	.00008	.00023	.00054	.00025	.05379	H.10538
#2	.00013	.00005	.00014	.00090	.01285	.05184	H.10407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	-.00049	.87442	.00060	.00444	-.00015	.00139
SDev	.00003	.00088	.02267	.00016	.00083	.00167	.00010
%RSD	86.277	179.37	2.5926	27.340	18.661	1106.6	6.9569
#1	.00005	-.00111	.89045	.00048	.00502	-.00133	.00133
#2	.00001	.00013	.85839	.00071	.00385	.00103	.00146
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00152	.01131	.00145	.00810	.00241	.00025	.00021
SDev	.00304	.00008	.00084	.00096	.00130	.00000	.00003
%RSD	200.50	.70168	57.591	11.856	53.891	.89326	12.945
#1	.00367	.01126	.00086	.00878	.00332	.00025	.00019
#2	-.00063	.01137	.00204	.00742	.00149	.00025	.00022
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.00262	.00017	.00400	.07398			
SDev	.00054	.00013	.00001	.00010			
%RSD	20.539	74.270	.15147	.13856			
#1	.00224	.00008	.00401	.07405			
#2	.00299	.00026	.00400	.07391			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	.01000	.00500	.02000	.20000			
Low	-.01000	-.00500	-.01000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	134348	--	--	--	--	--	--
SDev	181.7264	--	--	--	--	--	--
%RSD	.1352650	--	--	--	--	--	--
#1	134220	--	--	--	--	--	--
#2	134477	--	--	--	--	--	--

Method: P50127C Sample Name: LCS 500-139348/3-A Operator: TDS  
 Run Time: 01/27/12 23:51:01  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.04856	2.0065	.09693	.99862	2.0049	.05099	10.058
SDev	.00004	.0050	.00089	.00205	.0056	.00009	.010
%RSD	.07635	.24705	.91428	.20568	.27721	.17189	.09899
#1	.04853	2.0100	.09631	.99717	2.0089	.05093	10.051
#2	.04858	2.0030	.09756	1.0001	2.0010	.05106	10.065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	.12000	1.2000	2.4000	.06000	12.000
Low	.04000	1.6000	.08000	.80000	1.6000	.04000	8.0000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.05030	.50368	.20496	.25775	1.0067	9.4964	9.8283
SDev	.00011	.00012	.00048	.00056	.0035	.0133	.0003
%RSD	.22593	.02434	.23459	.21803	.35033	.13969	.00309
#1	.05022	.50359	.20462	.25815	1.0042	9.5058	9.8285
#2	.05038	.50376	.20530	.25735	1.0092	9.4870	9.8281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	12.000	12.000
Low	.04000	.40000	.16000	.20000	.80000	8.0000	8.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.52762	1.0034	9.5468	.50874	.10537	.10316	.50029
SDev	.00050	.0010	.0208	.00016	.00053	.00220	.00253
%RSD	.09393	.10223	.21838	.03202	.50701	2.1332	.50637
#1	.52727	1.0027	9.5616	.50862	.10574	.10160	.50208
#2	.52797	1.0041	9.5321	.50885	.10499	.10471	.49850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	12.000	.60000			.60000
Low	.40000	.80000	8.0000	.40000			.40000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.08319	.09182	.10395	.08900	.98519	1.0225	1.0160
SDev	.00178	.00040	.00129	.00086	.00047	.0017	.0003
%RSD	2.1341	.43591	1.2400	.96473	.04739	.16427	.03177
#1	.08194	.09154	.10304	.08839	.98486	1.0237	1.0162
#2	.08445	.09211	.10486	.08961	.98552	1.0213	1.0158
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.12000	.12000	1.2000	1.2000	1.2000
Low			.08000	.08000	.80000	.80000	.80000
Elem	Tl1908	V 2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.09971	.51262	.48992	4.9258			
SDev	.00032	.00077	.00103	.0107			
%RSD	.32033	.14948	.21120	.21729			
#1	.09994	.51316	.48919	4.9334			
#2	.09949	.51208	.49066	4.9183			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	.12000	.60000	.60000	6.0000			
Low	.08000	.40000	.40000	4.0000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132816	--	--	--	--	--	--
SDev	95.45942	--	--	--	--	--	--
%RSD	.0718737	--	--	--	--	--	--
#1	132748	--	--	--	--	--	--
#2	132883	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43861-A-1-C Operator: TDS  
 Run Time: 01/27/12 23:57:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00314	.02543	.00412	.75105	.21492	.00009	563.03
SDev	.00006	.00007	.00030	.00245	.00024	.00000	.49
%RSD	2.0759	.28122	7.3638	.32584	.11333	.62179	.08699

#1	.00310	.02538	.00391	.74932	.21509	.00009	562.68
#2	.00319	.02548	.00434	.75278	.21475	.00009	563.37

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00072	.00322	.00184	.00044	45.013	22.271	23.322
SDev	.00006	.00025	.00030	.00010	.027	.086	.001
%RSD	8.1463	7.7312	16.008	22.242	.06045	.38469	.00454

#1	.00068	.00339	.00163	.00037	44.994	22.332	23.322
#2	.00076	.00304	.00205	.00051	45.033	22.211	23.321

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H39.745	.08818	S237.57	.12630	.00503	.00553	.00212
SDev	.005	.00004	235.66	.00083	.00021	.00039	.00041
%RSD	.01315	.04190	99.196	.65802	4.1176	7.0157	19.291

#1	H39.742	.08821	H404.21	.12571	.00488	.00581	.00241
#2	H39.749	.08816	S70.933	.12689	.00518	.00526	.00183

Errors	LC High	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01194	.00645	.00543	.00834	-.00134	3.6015	-.00402
SDev	.00086	.00036	.00019	.00052	.00113	.0040	.00007
%RSD	7.1933	5.5086	3.4939	6.2734	84.611	.11141	1.8407

#1	.01134	.00620	.00557	.00797	-.00054	3.6043	-.00397
#2	.01255	.00670	.00530	.00871	-.00213	3.5987	-.00408

Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Sj2881
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Units	ppm	ppm	ppm	ppm
Avg	.00897	-.00063	.00553	4.0673
SDev	.00121	.00014	.00000	.0017
%RSD	13.524	21.734	.06702	.04116

#1	.00812	-.00053	.00553	4.0685
#2	.00983	-.00072	.00553	4.0661

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

TntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	118863	--	--	--	--	--	--
SDev	62.22539	--	--	--	--	--	--
%RSD	.0523505	--	--	--	--	--	--
#1	118819	--	--	--	--	--	--
#2	118907	--	--	--	--	--	--

Method: P50127C Sample Name: 610-1218-A-3-B Operator: TDS  
 Run Time: 01/28/12 00:03:25  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00035	.04787	.00227	.37551	.01716	.00006	35.812
SDev	.00022	.00175	.00001	.00047	.00001	.00001	.009
%RSD	62.985	3.6623	.63958	.12606	.06838	8.7291	.02424
#1	.00050	.04663	.00226	.37585	.01715	.00006	35.806
#2	.00019	.04911	.00228	.37518	.01717	.00005	35.818
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.02047	.00235	.00410	5.1089	146.25	10.517
SDev	.00009	.00006	.00014	.00002	.0083	.10	.001
%RSD	91.374	.28023	5.9134	.42182	.16233	.06821	.01423
#1	.00016	.02051	.00225	.00409	5.1148	146.18	10.518
#2	.00003	.02043	.00245	.00411	5.1030	146.32	10.515
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.17941	.00674	5228.02	.03909	.00476	-.00073	.00185
SDev	.00066	.00017	226.16	.00046	.00113	.00032	.00001
%RSD	.36687	2.5050	99.187	1.1684	23.830	44.352	.36391
#1	.17987	.00662	568.094	.03941	.00396	-.00096	.00184
#2	.17894	.00686	4387.94	.03877	.00557	-.00050	.00185
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00445	.00932	.00118	.00775	.00121	.11325	.00040
SDev	.00408	.00208	.00059	.00002	.00138	.00003	.00013
%RSD	91.651	22.282	49.907	.30838	114.26	.03109	32.459
#1	.00734	.00785	.00076	.00773	.00219	.11322	.00049
#2	.00157	.01078	.00159	.00777	.00023	.11327	.00031
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	PPM			
Avge	.00054	.00129	.07826	1.3430			
SDev	.00138	.00043	.00008	.0009			
%RSD	255.56	33.790	.09673	.06530			
#1	-.00044	.00159	.07821	1.3436			
#2	.00152	.00098	.07832	1.3423			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	123947	--	--	--	--	--	--
SDev	132.9361	--	--	--	--	--	--
%RSD	.1072523	--	--	--	--	--	--
#1	123853	--	--	--	--	--	--
#2	124041	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-1-C Operator: TDS  
 Run Time: 01/28/12 00:09:38  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.07333	.00122	.35616	.06156	.00016	252.75
SDev	.00022	.00166	.00077	.00098	.00013	.00000	.83
%RSD	253.08	2.2634	63.317	.27391	.21425	1.0190	.32673
#1	.00024	.07216	.00177	.35547	.06165	.00016	252.16
#2	-.00007	.07450	.00067	.35685	.06147	.00016	253.33
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.03262	.00070	.00855	2.0146	1.5956	138.42
SDev	.00004	.00042	.00005	.00002	.0172	.0104	.14
%RSD	2.9854	1.2866	7.4466	.23922	.85449	.65256	.10159
#1	.00140	.03232	.00067	.00853	2.0268	1.6030	138.33
#2	.00135	.03292	.00074	.00856	2.0025	1.5882	138.52
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3097	.00051	5232.49	.00644	.00774	.00399	.00170
SDev	.0009	.00003	230.38	.00021	.00009	.00054	.00123
%RSD	.07079	6.6295	99.092	3.2550	1.1485	13.577	72.135
#1	1.3090	.00048	569.587	.00629	.00780	.00360	.00083
#2	1.3103	.00053	4395.39	.00659	.00768	.00437	.00257
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00369	.00840	.00531	.00689	.00053	.08208	-.00190
SDev	.00056	.00006	.00033	.00023	.00022	.00001	.00006
%RSD	15.067	.75281	6.2342	3.3047	41.159	.00926	3.0372
#1	.00409	.00845	.00508	.00705	.00038	.08207	-.00186
#2	.00330	.00836	.00555	.00673	.00069	.08208	-.00194
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00172	.00464	.17118	.42426			
SDev	.00004	.00001	.00083	.00136			
%RSD	2.5603	.21254	.48438	.31950			
#1	-.00176	.00464	.17059	.42331			
#2	-.00169	.00463	.17176	.42522			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	121338	--	--	--	--	--	--
SDev	190.2117	--	--	--	--	--	--
%RSD	.1567625	--	--	--	--	--	--
#1	121203	--	--	--	--	--	--
#2	121472	--	--	--	--	--	--

Method: P50127C Sample Name: 43859-A-1-C SD @5 Operator: TDS  
 Run Time: 01/28/12 00:15:50  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00001	.02196	.00040	.07466	.01276	.00005	53.330
SDev	.00000	.00180	.00006	.00075	.00005	.00001	.022
%RSD	.80914	8.1828	14.139	1.0073	.40105	20.961	.04055
#1	-.00001	.02323	.00044	.07519	.01280	.00006	53.315
#2	-.00001	.02069	.00036	.07412	.01273	.00004	53.345
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00046	.00692	.00015	.00199	.42028	.22210	29.345
SDev	.00006	.00010	.00015	.00005	.01037	.00605	.027
%RSD	13.429	1.3779	101.66	2.4486	2.4664	2.7224	.09251
#1	.00041	.00685	.00004	.00203	.42761	.21782	29.326
#2	.00050	.00699	.00026	.00196	.41295	.22637	29.364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.27795	-.00085	H192.67	.00159	-.00092	.00219	.00048
SDev	.00042	.00020	.36	.00019	.00010	.00224	.00090
%RSD	.15070	23.138	.18438	11.902	10.884	102.11	188.82
#1	.27765	-.00071	H192.92	.00172	-.00085	.00377	-.00016
#2	.27824	-.00099	H192.42	.00146	-.00099	.00061	.00112
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00027	.00364	.00122	.00258	-.00027	.01726	-.00029
SDev	.00155	.00106	.00152	.00122	.00016	.00002	.00008
%RSD	564.71	29.165	124.69	47.566	60.136	.11016	27.181
#1	-.00082	.00289	.00230	.00171	-.00038	.01727	-.00023
#2	.00137	.00440	.00014	.00344	-.00015	.01724	-.00034
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.00022	.00228	.03814	.08347			
SDev	.00010	.00006	.00018	.00014			
%RSD	45.261	2.7851	.46410	.16580			
#1	.00029	.00232	.03827	.08357			
#2	.00015	.00223	.03802	.08338			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	129896	--	--	--	--	--	--
SDev	65.05383	--	--	--	--	--	--
%RSD	.0500815	--	--	--	--	--	--
#1	129942	--	--	--	--	--	--
#2	129850	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-1-D DU Operator: TDS  
 Run Time: 01/28/12 00:22:03  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00004	.07321	.00236	.35089	.06028	.00015	249.93
SDev	.00014	.00177	.00077	.00037	.00014	.00003	.16
%RSD	351.09	2.4129	32.705	.10629	.23263	18.210	.06223
#1	-.00014	.07196	.00181	.35063	.06018	.00013	249.82
#2	.00006	.07446	.00290	.35115	.06038	.00017	250.04
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00149	.03239	.00047	.00859	2.0104	1.5452	136.91
SDev	.00006	.00019	.00038	.00002	.0174	.0004	.04
%RSD	4.1047	.57661	80.438	.26782	.86400	.02505	.02806
#1	.00153	.03252	.00074	.00861	1.9981	1.5454	136.89
#2	.00144	.03226	.00020	.00858	2.0226	1.5449	136.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.2961	.00059	H394.51	.00646	.00758	.00389	.00181
SDev	.0008	.00054	.05	.00005	.00068	.00076	.00053
%RSD	.06508	91.602	.01311	.69805	9.0046	19.625	29.122
#1	1.2955	.00097	H394.47	.00643	.00806	.00443	.00144
#2	1.2967	.00021	H394.54	.00650	.00710	.00335	.00219
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00353	.01242	.00520	.00951	.00099	.08092	-.00174
SDev	.00092	.00079	.00073	.00022	.00061	.00005	.00007
%RSD	26.027	6.3934	14.054	2.3414	61.472	.06520	4.0507
#1	.00418	.01185	.00571	.00936	.00056	.08088	-.00179
#2	.00288	.01298	.00468	.00967	.00141	.08096	-.00169
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.01000	-.00500	-.00500
Elem	Tl1908	V 2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	-.00012	.00520	.16923	.41744
SDev	.00178	.00027	.00015	.00113
%RSD	1453.9	5.2220	.09095	.27169

#1	.00114	.00501	.16912	.41664
#2	-.00138	.00539	.16934	.41824

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121890	--	--	--	--	--	--
SDev	43.84062	--	--	--	--	--	--
%RSD	.0359674	--	--	--	--	--	--
#1	121921	--	--	--	--	--	--
#2	121859	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-1-E MS Operator: TDS  
 Run Time: 01/28/12 00:28:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0853	.07768	5.1254	.36551	H78.715	.00015	257.31
SDev	.0001	.00240	.0002	.00032	.048	.00001	.68
%RSD	.00520	3.0861	.00454	.08845	.06057	3.3306	.26509
#1	1.0852	.07938	5.1252	.36528	H78.749	.00015	256.82
#2	1.0853	.07599	5.1256	.36574	H78.681	.00014	257.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.91617	.05000	4.8171	.27973	2.0493	1.6338	141.17
SDev	.00181	.00008	.0115	.00006	.0025	.0031	.29
%RSD	.19729	.16371	.23943	.02262	.12007	.19235	.20246
#1	.91489	.04994	4.8090	.27969	2.0476	1.6360	140.97
#2	.91745	.05006	4.8253	.27978	2.0511	1.6316	141.37
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.3343	.01418	5233.98	.46470	4.6356	4.6186	.00341
SDev	.0018	.00018	232.03	.00106	.0058	.0048	.00004
%RSD	.13370	1.2693	99.168	.22869	.12444	.10353	1.2357
#1	1.3330	.01431	569.909	.46394	4.6315	4.6152	.00339
#2	1.3356	.01405	H398.06	.46545	4.6397	4.6219	.00344
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.99780	1.0001	4.6243	.99937	-.00079	.08422	-.00151
SDev	.00080	.0008	.0051	.00030	.00052	.00002	.00001
%RSD	.08058	.08484	.11051	.02979	66.416	.02547	.64821
#1	.99723	1.0007	4.6207	.99958	-.00042	.08423	-.00152
#2	.99837	.99949	4.6279	.99916	-.00116	.08420	-.00150
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00037	.00806	.62404	.48432			
SDev	.00098	.00026	.00261	.00000			
%RSD	263.35	3.2021	.41792	.00030			
#1	.00032	.00787	.62220	.48432			
#2	-.00106	.00824	.62589	.48432			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	120716	--	--	--	--	--	--
SDev	98.99495	--	--	--	--	--	--
%RSD	.0820065	--	--	--	--	--	--
#1	120646	--	--	--	--	--	--
#2	120786	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-2-C Operator: TDS  
 Run Time: 01/28/12 00:34:27  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.55822	.00349	1.0451	.59717	.00013	742.16
SDev	.00018	.00116	.00072	.0005	.00236	.00000	1.92
%RSD	122.24	.20814	20.728	.04903	.39586	.98071	.25891
#1	.00028	.55740	.00400	1.0455	.59884	.00013	740.80
#2	.00002	.55904	.00297	1.0447	.59550	.00013	743.52
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00287	.01400	.00283	1.0119	.02422	22.357	31.579
SDev	.00008	.00015	.00044	.0009	.00676	.015	.046
%RSD	2.8120	1.1071	15.400	.08767	27.911	.06583	.14541
#1	.00293	.01411	.00314	1.0125	.01944	22.368	31.547
#2	.00281	.01389	.00252	1.0113	.02900	22.347	31.612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.3988	.00956	5234.78	.10715	.75270	.74929	.00446
SDev	.0026	.00037	232.41	.00012	.00218	.00084	.00127
%RSD	.10805	3.8912	98.992	.11336	.28903	.11233	28.517
#1	2.3970	.00929	5399.12	.10724	.75116	.74869	.00536
#2	2.4006	.00982	570.438	.10707	.75424	.74988	.00356
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00749	.01052	.75051	.00957	.00221	.93491	.00042
SDev	.00149	.00040	.00129	.00076	.00034	.00030	.00004
%RSD	19.925	3.7602	.17140	7.9568	15.187	.03154	10.177
#1	.00644	.01024	.74960	.00903	.00197	.93512	.00039
#2	.00855	.01080	.75142	.01011	.00244	.93471	.00045
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	-.00108	.00256	1.1944	12.997			
SDev	.00236	.00024	.0037	.008			
%RSD	217.72	9.3193	.31254	.05808			
#1	.00058	.00272	1.1918	12.992			
#2	-.00275	.00239	1.1971	13.002			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	119839	--	--	--	--	--	--
SDev	137.1787	--	--	--	--	--	--
%RSD	.1144692	--	--	--	--	--	--
#1	119936	--	--	--	--	--	--
#2	119742	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/28/12 00:45:10  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51542	50.300	.51735	.51977	.51028	.50739	25.718
SDev	.00107	.063	.00030	.00132	.00072	.00130	.067
%RSD	.20743	.12621	.05763	.25330	.14202	.25646	.26057
#1	.51467	50.255	.51714	.51884	.50977	.50647	25.670
#2	.51618	50.345	.51756	.52070	.51080	.50831	25.765
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50419	.50313	.50676	.51678	25.361	51.476	25.614
SDev	.00080	.00123	.00160	.00087	.012	.074	.063
%RSD	.15939	.24414	.31509	.16919	.04675	.14353	.24682
#1	.50363	.50226	.50563	.51616	25.353	51.424	25.569
#2	.50476	.50399	.50789	.51740	25.369	51.529	25.659
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.1667	.50763	26.468	.50673	.50486	.50708	.52209
SDev	.0110	.00127	.039	.00220	.00109	.00114	.00344
%RSD	.21336	.24952	.14276	.43396	.21640	.22480	.65860
#1	5.1589	.50673	26.442	.50517	.50409	.50789	.51966
#2	5.1745	.50853	26.495	.50828	.50563	.50628	.52452
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51019	.50761	.50643	.50852	.50729	.51195	.52177
SDev	.00111	.00460	.00038	.00344	.00071	.00070	.00135
%RSD	.21821	.90573	.07603	.67571	.13919	.13705	.25908
#1	.50940	.50436	.50670	.50609	.50679	.51145	.52081
#2	.51098	.51086	.50615	.51095	.50779	.51245	.52272
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.51367	5.0984	.49780	.49430			
SDev	.00136	.0097	.00170	.00176			
%RSD	.26394	.18960	.34110	.35569			
#1	.51271	5.0916	.49660	.49306			
#2	.51463	5.1053	.49900	.49555			
Errors	QC Pass	QC Pass	QC Pass	QC Pass			
Value	.50000	5.0000	.50000	.50000			
Range	10.000	10.000	10.000	10.000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	131783	--	--	--	--	--	--
SDev	33.94112	--	--	--	--	--	--
%RSD	.0257553	--	--	--	--	--	--
#1	131807	--	--	--	--	--	--
#2	131759	--	--	--	--	--	--

Method: P50127C Sample Name: CCB

Operator: TDS

Run Time: 01/28/12 00:51:24

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.00833	.00103	.00232	.00034	.00006	.00508
SDev	.00006	.00278	.00012	.00041	.00020	.00003	.00661
%RSD	24.812	33.355	11.631	17.530	59.390	43.352	130.25
#1	.00028	.01029	.00095	.00204	.00049	.00008	.00975
#2	.00020	.00637	.00112	.00261	.00020	.00004	.00040
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	-.00022	-.00015	.00027	.00242	.00373	.00540
SDev	.00005	.00009	.00005	.00002	.00258	.00538	.00096
%RSD	48.284	38.931	33.581	8.0422	106.54	144.33	17.742
#1	.00007	-.00016	-.00018	.00028	.00425	.00754	.00607
#2	.00014	-.00029	-.00011	.00025	.00060	-.00008	.00472
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00032	-.00035	.00195	.00010	.00125	-.00066	.00170
SDev	.00043	.00050	.00946	.00015	.00032	.00092	.00011
%RSD	132.63	142.07	484.38	151.89	25.411	138.68	6.4983
#1	.00063	.00000	.00865	-.00001	.00148	-.00131	.00163
#2	.00002	-.00071	-.00474	.00021	.00103	-.00001	.00178
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00295	.00099	.00004	.00169	-.00066	.00004	.00014
SDev	.00050	.00067	.00050	.00061	.00040	.00005	.00001
%RSD	16.957	67.259	1291.1	35.997	61.258	103.73	8.8246
#1	.00260	.00052	-.00032	.00126	-.00094	.00008	.00013
#2	.00330	.00146	.00039	.00213	-.00037	.00001	.00015
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl3908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.00238	.00056	.00017	-.00525
SDev	.00057	.00062	.00002	.00022
%RSD	23.825	109.82	12.871	4.1605

#1	.00278	.00100	.00015	-.00541
#2	.00198	.00013	.00018	-.00510

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134142	--	--	--	--	--	--
SDev	92.63099	--	--	--	--	--	--
%RSD	.0690547	--	--	--	--	--	--
#1	134207	--	--	--	--	--	--
#2	134076	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-3-C Operator: TDS  
 Run Time: 01/28/12 00:57:37  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00046	.60130	.00128	1.1691	.15008	.00014	559.55
SDev	.00038	.00135	.00092	.0018	.00007	.00001	.02
%RSD	83.288	.22524	71.768	.15780	.04977	3.3127	.00429
#1	.00073	.60226	.00063	1.1704	.15034	.00015	559.54
#2	.00019	.60034	.00193	1.1678	.15003	.00014	559.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00083	.02043	.00324	.00702	.03747	3.9673	40.470
SDev	.00008	.00018	.00029	.00007	.00511	.0167	.028
%RSD	9.9570	.86588	8.9345	1.0588	13.638	.41986	.07040
#1	.00077	.02056	.00304	.00697	.04108	3.9790	40.490
#2	.00089	.02031	.00345	.00708	.03385	3.9555	40.450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4721	.01402	570.271	.00984	.00423	.00093	.00173
SDev	.0000	.00070	.062	.00012	.00065	.00095	.00101
%RSD	.00116	5.0178	.08857	1.2319	15.289	102.38	58.188
#1	1.4721	.01452	570.315	.00976	.00469	.00160	.00102
#2	1.4720	.01352	570.227	.00993	.00377	.00026	.00244
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00526	.00949	.00210	.00814	.00183	.64028	-.00184
SDev	.00088	.00011	.00085	.00022	.00036	.00063	.00003
%RSD	16.752	1.1828	40.356	2.6884	19.858	.09869	1.5119
#1	.00588	.00941	.00271	.00829	.00157	.64072	-.00186
#2	.00463	.00957	.00150	.00798	.00208	.63983	-.00182
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00201	.00302	.06880	.70229			
SDev	.00034	.00028	.00029	.00058			
%RSD	16.838	9.2833	.42602	.08288			
#1	-.00225	.00322	.06860	.70270			
#2	-.00177	.00282	.06901	.70188			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	120025	--	--	--	--	--	--
SDev	106.0660	--	--	--	--	--	--
%RSD	.0883699	--	--	--	--	--	--
#1	119950	--	--	--	--	--	--
#2	120100	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-4-C Operator: TDS  
 Run Time: 01/28/12 01:03:50  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.69583	.00332	1.2893	.47380	.00017	660.73
SDev	.00009	.00022	.00040	.0001	.00034	.00001	1.69
%RSD	33.785	.03179	12.115	.00917	.07107	4.3481	.25530
#1	.00021	.69599	.00360	1.2894	.47404	.00016	659.53
#2	.00034	.69567	.00303	1.2892	.47356	.00017	661.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00583	.00523	.00398	.02511	.02514	7.5834	24.129
SDev	.00018	.00001	.00009	.00021	.00823	.0138	.021
%RSD	3.0340	.10856	2.2035	.84147	32.734	.18202	.08819
#1	.00595	.00522	.00392	.02526	.03096	7.5931	24.113
#2	.00570	.00523	.00404	.02496	.01932	7.5736	24.144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.66667	.00467	H397.58	.00706	.89341	.89238	.00295
SDev	.00093	.00012	1.49	.00012	.00186	.00002	.00015
%RSD	.13974	2.4577	.37448	1.7255	.20778	.00170	5.1887
#1	.66601	.00475	H396.53	.00715	.89210	.89239	.00305
#2	.66733	.00458	H398.63	.00697	.89472	.89237	.00284
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00179	.01110	.89281	.00806	.00094	.71615	-.00202
SDev	.00278	.00059	.00061	.00054	.00072	.00007	.00001
%RSD	155.20	5.2647	.06821	6.6689	76.406	.01040	.28389
#1	.00017	.01152	.89238	.00768	.00145	.71621	-.00202
#2	.00376	.01069	.89324	.00844	.00043	.71610	-.00201
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	-.00052	.00268	.31982	3.0920
SDev	.00145	.00003	.00075	.0008
%RSD	277.86	.97434	.23552	.02500

#1	.00050	.00270	.31929	3.0914
#2	-.00155	.00266	.32035	3.0925

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

InStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	120344	--	--	--	--	--	--
SDev	398.1011	--	--	--	--	--	--
%RSD	.3308040	--	--	--	--	--	--
#1	120625	--	--	--	--	--	--
#2	120062	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-5-C Operator: TDS  
 Run Time: 01/28/12 01:10:02  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.65911	.02097	1.1624	.77673	.00037	615.66
SDev	.00007	.00076	.00004	.0014	.00014	.00000	.81
%RSD	52.738	.11536	.17319	.11882	.01793	1.0352	.13157
#1	.00017	.65965	.02099	1.1614	.77683	.00037	615.08
#2	.00008	.65858	.02094	1.1633	.77663	.00037	616.23
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00543	.01177	.00360	.00710	.17473	6.7701	34.294
SDev	.00032	.00023	.00005	.00002	.00731	.0175	.013
%RSD	5.8786	1.9296	1.4836	.34337	4.1860	.25775	.03832
#1	.00521	.01161	.00356	.00708	.17991	6.7824	34.285
#2	.00566	.01193	.00363	.00712	.16956	6.7577	34.304
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1970	.00495	H396.94	.01757	.88467	.88115	.00561
SDev	.0005	.00045	.12	.00001	.00030	.00218	.00030
%RSD	.02169	9.1853	.03077	.04468	.03403	.24691	5.3747
#1	2.1967	.00527	H397.03	.01756	.88446	.87962	.00583
#2	2.1974	.00463	H396.86	.01757	.88489	.88269	.00540
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Sa1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00522	.01100	.88241	.00913	.00037	.71905	-.00205
SDev	.00008	.00003	.00155	.00005	.00080	.00044	.00007
%RSD	1.5884	.30867	.17575	.55056	218.03	.06152	3.6214
#1	.00527	.01103	.88131	.00917	-.00020	.71936	-.00210
#2	.00516	.01098	.88351	.00910	.00093	.71874	-.00199
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Ti1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	.00068	.00234	2.2506	6.3384
SDev	.00063	.00007	.0029	.0039
%RSD	92.817	3.0370	.12808	.06085

#1	.00023	.00239	2.2485	6.3412
#2	.00112	.00229	2.2526	6.3357

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120645	--	--	--	--	--	--
SDev	38.18377	--	--	--	--	--	--
%RSD	.0316497	--	--	--	--	--	--
#1	120618	--	--	--	--	--	--
#2	120672	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-6-C Operator: TDS  
 Run Time: 01/28/12 01:16:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.66905	.00155	1.3129	.05544	.00014	287.70
SDev	.00021	.00114	.00007	.0007	.00000	.00001	.45
%RSD	1495.4	.17033	4.8097	.05694	.00477	5.9390	.15703
#1	-.00016	.66985	.00160	1.3124	.05544	.00015	287.38
#2	.00013	.66824	.00149	1.3135	.05543	.00014	288.02
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00109	.01786	.00371	.00940	1.4982	4.6946	161.26
SDev	.00012	.00032	.00007	.00014	.00074	.00023	.26
%RSD	10.519	1.7648	2.0358	1.4654	.49241	.04980	.16323
#1	.00101	.01808	.00376	.00949	1.5034	4.6963	161.07
#2	.00117	.01763	.00365	.00930	1.4929	4.6930	161.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7766	.00029	H394.14	.00786	.02420	.02260	.00086
SDev	.0025	.00044	.71	.00010	.00026	.00141	.00011
%RSD	.13998	149.26	.18110	1.2025	1.0532	6.2355	12.997
#1	1.7749	.00060	H394.64	.00793	.02402	.02360	.00094
#2	1.7784	-.00002	H393.63	.00779	.02438	.02160	.00078
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	Pb2203	Pb2203	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00295	.00957	.02321	.00742	.00059	.09466	.00302
SDev	.00050	.00038	.00086	.00009	.00129	.00008	.00006
%RSD	17.013	4.0210	3.7071	1.2002	219.55	.08008	1.8673
#1	.00331	.00930	.02382	.00736	.00150	.09461	.00298
#2	.00260	.00984	.02260	.00748	-.00033	.09472	.00306
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm			
Avge	-.00064	.00520	.09036	.61300			
SDev	.00013	.00025	.00014	.00020			
%RSD	20.898	4.7450	.15389	.03194			
#1	-.00054	.00537	.09046	.61286			
#2	-.00073	.00502	.09026	.61313			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	121530	--	--	--	--	--	--
SDev	92.63099	--	--	--	--	--	--
%RSD	.0762210	--	--	--	--	--	--
#1	121464	--	--	--	--	--	--
#2	121595	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-7-C Operator: TDS  
 Run Time: 01/28/12 01:22:28  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2196	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.66979	.00152	1.1945	.05256	.00020	267.00
SDev	.00006	.00300	.00036	.0005	.00010	.00000	.98
%RSD	27.782	.44828	23.454	.03827	.18676	1.0888	.36558
#1	.00019	.67192	.00126	1.1941	.05263	.00020	266.31
#2	.00028	.66767	.00177	1.1948	.05249	.00020	267.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00062	.01530	.00355	.00855	1.6108	3.1376	145.69
SDev	.00006	.00008	.00017	.00018	.0059	.0125	.40
%RSD	9.2226	.54214	4.9007	2.0726	.36793	.39971	.27575
#1	.00058	.01536	.00367	.00842	1.6150	3.1465	145.41
#2	.00066	.01524	.00342	.00867	1.6067	3.1287	145.98
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7587	.00058	H394.83	.01374	.01549	.01069	.00199
SDev	.0031	.00038	1.10	.00006	.00026	.00037	.00097
%RSD	.17435	65.070	.27904	.39767	1.6891	3.5012	48.651
#1	1.7565	.00085	H394.05	.01378	.01530	.01043	.00268
#2	1.7608	.00031	H395.61	.01370	.01567	.01095	.00131
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00468	.00925	.01237	.00779	.00165	.08890	.00042
SDev	.00188	.00079	.00033	.00010	.00057	.00018	.00009
%RSD	40.231	8.5669	2.6767	1.2663	34.435	.20350	22.033
#1	.00601	.00869	.01213	.00786	.00205	.08903	.00035
#2	.00335	.00982	.01260	.00772	.00125	.08878	.00048
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00014	.00509	.04406	.51617			
SDev	.00025	.00074	.00000	.00166			
%RSD	180.77	14.597	.00775	.32216			
#1	.00004	.00561	.04406	.51500			
#2	-.00032	.00456	.04406	.51735			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	121674	--	--	--	--	--	--
SDev	200.1112	--	--	--	--	--	--
%RSD	.1644644	--	--	--	--	--	--
#1	121816	--	--	--	--	--	--
#2	121533	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43859-A-12-C Operator: TDS  
 Run Time: 01/28/12 01:28:40  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00025	.80762	.01677	1.2522	1.0118	.00037	518.86
SDev	.00001	.00452	.00119	.0013	.0002	.00000	.51
%RSD	5.2084	.56004	7.1049	.10464	.02333	.79234	.09883
#1	.00026	.80442	.01593	1.2532	1.0117	.00037	519.22
#2	.00025	.81082	.01762	1.2513	1.0120	.00036	518.50
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00643	.01475	.00365	.00947	.39470	7.6695	34.695
SDev	.00012	.00016	.00058	.00013	.01416	.0057	.035
%RSD	1.8019	1.0867	15.994	1.3895	3.5864	.07421	.10063
#1	.00635	.01487	.00324	.00956	.38469	7.6654	34.719
#2	.00651	.01464	.00407	.00938	.40471	7.6735	34.670
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.3903	.00378	H397.27	.02207	.72727	.72419	.00613
SDev	.0031	.00001	.36	.00042	.00084	.00199	.00016
%RSD	.13065	.28362	.08969	1.9091	.11561	.27551	2.5366
#1	2.3925	.00377	H397.52	.02237	.72786	.72560	.00602
#2	2.3881	.00379	H397.02	.02178	.72667	.72278	.00624
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00318	.00898	.72530	.00710	-.00009	.67833	-.00011
SDev	.00102	.00050	.00161	.00068	.00058	.00016	.00024
%RSD	32.141	5.5920	.22202	9.5066	667.89	.02312	219.27
#1	.00245	.00862	.72644	.00662	.00032	.67844	-.00028
#2	.00390	.00933	.72416	.00758	-.00050	.67822	.00006
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	-.00063	.00290	1.7815	3.2747
SDev	.00003	.00045	.0019	.0028
%RSD	4.8415	15.489	.10488	.08607

#1	-.00065	.00258	1.7828	3.2767
#2	-.00060	.00321	1.7802	3.2727

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	120864	--	--	--	--	--	--
SDev	78.48885	--	--	--	--	--	--
%RSD	.0649395	--	--	--	--	--	--
#1	120920	--	--	--	--	--	--
#2	120809	--	--	--	--	--	--

Method: P50127C Sample Name: 610-1253-A-3-B Operator: TDS  
 Run Time: 01/28/12 01:34:53  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.70803	.00128	1.3820	.04831	.00010	43.301
SDev	.00019	.00263	.00087	.0046	.00010	.00001	.060
%RSD	88.483	.37148	67.494	.33169	.20224	9.5432	.13832

#1	.00036	.70989	.00189	1.3853	.04838	.00010	43.344
#2	.00008	.70617	.00067	1.3788	.04824	.00009	43.259

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00011	.01742	.00595	.01153	3.9220	159.32	12.317
SDev	.00014	.00014	.00022	.00024	.0327	.13	.028
%RSD	131.78	.81391	3.7396	2.1124	.83468	.08419	.22711

#1	.00021	.01752	.00610	.01170	3.9452	159.41	12.337
#2	.00001	.01732	.00579	.01136	3.8989	159.22	12.297

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18808	.00490	H391.47	.03235	.00633	.00356	.00145
SDev	.00026	.00021	.42	.00012	.00162	.00044	.00015
%RSD	.13951	4.1976	.10650	.35837	25.576	12.443	10.617

#1	.18827	.00505	H391.76	.03227	.00747	.00325	.00156
#2	.18790	.00476	H391.17	.03243	.00518	.00388	.00134

Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00304	.00913	.00456	.00715	.00273	.12753	.00278
SDev	.00046	.00206	.00024	.00122	.00020	.00005	.00008
%RSD	15.158	22.544	5.3546	17.025	7.2712	.03878	2.7198

#1	.00336	.00767	.00473	.00629	.00287	.12756	.00283
#2	.00271	.01058	.00438	.00801	.00259	.12749	.00272

Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881
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Units	ppm	ppm	ppm	ppm
Avg	-0.00142	.00178	.09654	1.4886
SDev	.00122	.00026	.00033	.0016
%RSD	86.350	14.859	.34502	.11034
#1	-.00055	.00159	.09678	1.4898
#2	-.00228	.00197	.09631	1.4875
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

In.Std	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	123170	--	--	--	--	--	--
SDev	160.5132	--	--	--	--	--	--
%RSD	.1303179	--	--	--	--	--	--
#1	123057	--	--	--	--	--	--
#2	123284	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43817-A-1-D Operator: TDS  
 Run Time: 01/28/12 01:41:06  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00023	2.9675	.02287	.46879	.35463	.00049	220.14
SDev	.00019	.0178	.00094	.00175	.00060	.00003	.93
%RSD	83.671	.59819	4.0924	.37365	.16766	6.4313	.42149
#1	.00009	2.9800	.02220	.47003	.35505	.00047	219.48
#2	.00037	2.9549	.02353	.46755	.35421	.00051	220.79
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00094	.01785	.00577	.00761	2.3832	3.7269	64.670
SDev	.00003	.00004	.00020	.00047	.0260	.0285	.198
%RSD	3.4392	.24426	3.4449	6.1473	1.0918	.76374	.30574
#1	.00096	.01788	.00563	.00728	2.3648	3.7470	64.531
#2	.00092	.01782	.00591	.00794	2.4016	3.7068	64.810
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.9394	.00647	H394.14	.03137	.04131	.03693	.01898
SDev	.0052	.00072	.12	.00048	.00008	.00133	.00120
%RSD	.26895	11.101	.03032	1.5411	.20287	3.5999	6.3211
#1	1.9357	.00596	H394.06	.03103	.04125	.03599	.01814
#2	1.9431	.00697	H394.22	.03172	.04137	.03787	.01983
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Sel960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00265	.01036	.03847	.00785	.00346	.36066	.06039
SDev	.00133	.00063	.00091	.00086	.00015	.00046	.00338
%RSD	50.052	6.1061	2.3757	11.005	4.4772	.12729	5.5953
#1	.00358	.01081	.03782	.00846	.00357	.36099	.05800
#2	.00171	.00992	.03912	.00724	.00335	.36034	.06278
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm			
Avg	-.00110	.01372	.90100	7.9054			
SDev	.00043	.00074	.00726	.0837			
%RSD	39.673	5.4026	.80601	1.0583			
#1	-.00110	.01320	.89587	7.9646			
#2	-.00079	.01425	.90614	7.8463			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	122202	--	--	--	--	--	--
SDev	333.0473	--	--	--	--	--	--
%RSD	.2725394	--	--	--	--	--	--
#1	121966	--	--	--	--	--	--
#2	122437	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43700-A-21-I Operator: TDS  
 Run Time: 01/28/12 01:47:18  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba1934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00001	.25124	.00154	.41712	.39644	.00044	816.64
SDev	.00036	.00233	.00149	.00169	.00092	.00002	1.59
%RSD	5513.3	.92930	97.091	.40392	.23290	3.4266	.19475
#1	.00026	.25289	.00048	.41593	.39710	.00043	815.52
#2	-.00025	.24989	.00259	.41831	.39579	.00046	817.76
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00276	.00432	.00086	.01548	-.00973	1.0672	450.03
SDev	.00001	.00007	.00014	.00004	.01378	.0079	.57
%RSD	.19274	1.5281	16.519	.25480	141.61	.74002	.12741
#1	.00275	.00437	.00076	.01551	-.01947	1.0728	449.62
#2	.00276	.00427	.00096	.01545	.00001	1.0617	450.43
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9094	.00047	17.351	.03951	.00714	.00248	.00200
SDev	.0034	.00069	.070	.00021	.00090	.00176	.00111
%RSD	.11551	145.07	.40241	.52337	12.567	70.916	55.364
#1	2.9071	.00096	17.401	.03936	.00778	.00124	.00278
#2	2.9118	-.00001	17.302	.03966	.00651	.00373	.00122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00165	.01158	.00413	.00833	.00086	.48345	-.00425
SDev	.00286	.00011	.00087	.00088	.00115	.00042	.00031
%RSD	173.05	.98709	21.144	10.545	133.58	.08772	7.2042
#1	.00368	.01150	.00352	.00895	.00167	.48375	-.00446
#2	-.00037	.01166	.00475	.00771	.00005	.48315	-.00403
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Ti1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00315	.00468	.16395	4.4496			
SDev	.00012	.00076	.00063	.0025			
%RSD	3.6633	16.214	.38693	.05657			
#1	-.00323	.00521	.16350	4.4514			
#2	-.00307	.00414	.16440	4.4478			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	122366	--	--	--	--	--	--
SDev	148.4924	--	--	--	--	--	--
%RSD	.1213511	--	--	--	--	--	--
#1	122261	--	--	--	--	--	--
#2	122471	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43700-A-22-G Operator: TDS  
 Run Time: 01/28/12 01:53:31  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00002	.20366	.00220	.36624	.25240	.00028	846.69
SDev	.00017	.00043	.00086	.00010	.00062	.00001	3.62
%RSD	1068.8	.21179	39.025	.02647	.24616	1.7849	.42765
#1	.00014	.20397	.00280	.36631	.25284	.00028	844.13
#2	-.00010	.20336	.00159	.36617	.25196	.00029	849.25
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00096	.01589	.00097	.00575	.06974	1.1808	486.69
SDev	.00004	.00007	.00034	.00008	.00598	.0059	.56
%RSD	3.7381	.43921	35.100	1.3357	8.5676	.49641	.11589
#1	.00098	.01584	.00073	.00570	-.07397	1.1850	486.25
#2	.00093	.01594	.00122	.00581	-.06552	1.1767	487.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	3.2749	-.00018	11.410	.02918	.00440	.00023	.00093
SDev	.0026	.00008	.033	.00024	.00149	.00026	.00067
%RSD	.07810	44.884	.28997	.81112	33.934	113.24	71.306
#1	3.2731	-.00012	11.433	.02901	.00545	.00042	.00141
#2	3.2767	-.00024	11.386	.02934	.00334	.00005	.00046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sr1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00356	.01034	.00172	.00813	.00047	.32756	L-.00582
SDev	.00129	.00097	.00067	.00108	.00178	.00050	.00016
%RSD	36.253	9.3791	39.191	13.228	381.10	.15306	2.6911
#1	.00447	.01102	.00220	.00890	.00173	.32792	L-.00593
#2	.00264	.00965	.00124	.00737	-.00079	.32721	L-.00570
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	-.00259	.00387	.02875	1.6165
SDev	.00259	.00010	.00009	.0037
%RSD	99.716	2.5923	.30626	.22625

#1	-.00076	.00394	.02869	1.6190
#2	-.00442	.00380	.02881	1.6139

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	122398	--	--	--	--	--	--
SDev	78.48885	--	--	--	--	--	--
%RSD	.0641262	--	--	--	--	--	--
#1	122453	--	--	--	--	--	--
#2	122342	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/28/12 02:04:14  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52084	50.908	.52194	.52440	.51878	.51160	25.896
SDev	.00077	.004	.00072	.00057	.00042	.00006	.014
%RSD	.14781	.00793	.13812	.10803	.08036	.01073	.05438
#1	.52139	50.910	.52143	.52400	.51907	.51163	25.886
#2	.52030	50.905	.52245	.52480	.51848	.51156	25.906
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50840	.50749	.51202	.52294	25.557	52.149	25.808
SDev	.00045	.00012	.00009	.00038	.018	.052	.015
%RSD	.08830	.02378	.01690	.07256	.06876	.10057	.05844
#1	.50872	.50741	.51196	.52267	25.570	52.112	25.798
#2	.50809	.50758	.51209	.52321	25.545	52.186	25.819
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2101	.51205	26.801	.51121	.50863	.50891	.52870
SDev	.0007	.00000	.025	.00014	.00227	.00112	.00219
%RSD	.01335	.00076	.09300	.02810	.44642	.22022	.41403
#1	5.2106	.51205	26.783	.51111	.50703	.50812	.52715
#2	5.2096	.51205	26.818	.51131	.51024	.50970	.53025
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51215	.51044	.50890	.51106	.51120	.51911	.52668
SDev	.00048	.00088	.00149	.00075	.00056	.00044	.00032
%RSD	.09414	.17273	.29344	.14646	.10965	.08415	.06007
#1	.51180	.50981	.50785	.51053	.51160	.51942	.52690
#2	.51249	.51106	.50996	.51159	.51081	.51880	.52645
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.51648	5.1486	.49980	.49501			
SDev	.00390	.0002	.00037	.00012			
%RSD	.75459	.00306	.07365	.02386			
#1	.51372	5.1485	.50006	.49493			
#2	.51923	5.1487	.49954	.49509			
Errors	QC Pass	QC Pass	QC Pass	QC Pass			
Value	.50000	5.0000	.50000	.50000			
Range	10.000	10.000	10.000	10.000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	131816	--	--	--	--	--	--
SDev	12.02082	--	--	--	--	--	--
%RSD	.0091194	--	--	--	--	--	--
#1	131807	--	--	--	--	--	--
#2	131824	--	--	--	--	--	--

Method: P50127C Sample Name: CCR  
 Run Time: 01/28/12 02:10:29  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00938	.00098	.00272	.00033	.00006	.00418
SDev	.00028	.00200	.00028	.00023	.00002	.00002	.00208
%RSD	755.07	21.327	28.885	8.5324	5.8566	40.726	49.611
#1	-.00024	.00796	.00078	.00256	.00032	.00004	.00271
#2	.00016	.01079	.00118	.00289	.00035	.00008	.00565
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00019	-.00026	-.00013	.00031	.02783	.00081	.00245
SDev	.00010	.00001	.00002	.00035	.00813	.00118	.00222
%RSD	55.127	4.1971	13.282	110.64	29.225	146.12	90.348
#1	.00026	-.00027	-.00011	.00056	.03358	-.00003	.00089
#2	.00011	-.00026	-.00014	.00007	.02208	.00164	.00402
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	-.00101	-.02554	-.00011	-.00049	.00021	.00025
SDev	.00024	.00027	.00193	.00006	.00032	.00073	.00058
%RSD	88.171	26.467	7.5714	52.593	64.471	352.45	236.13
#1	.00010	-.00120	-.02691	-.00007	-.00071	.00073	-.00017
#2	.00044	-.00082	-.02417	-.00015	-.00027	-.00031	.00066
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00018	.00114	.00004	.00087	-.00061	.00078	.00023
SDev	.00031	.00078	.00039	.00062	.00029	.00002	.00007
%RSD	167.62	68.296	1012.1	71.239	46.931	2.8916	29.408
#1	.00040	.00169	.00031	.00131	-.00081	.00076	.00028
#2	-.00003	.00059	-.00024	.00043	-.00041	.00079	.00018
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avg	.00161	.00043	.00110	-.00577
SDev	.00047	.00055	.00021	.00088
%RSD	28.988	128.80	19.175	15.219

#1	.00194	.00004	.00125	-.00515
#2	.00128	.00082	.00095	-.00639

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134595	--	--	--	--	--	--
SDev	98.99495	--	--	--	--	--	--
%RSD	.0735502	--	--	--	--	--	--
#1	134525	--	--	--	--	--	--
#2	134665	--	--	--	--	--	--

Method: P50127C Sample Name: MB 500-139296/1-A Operator: TDS  
 Run Time: 01/28/12 02:16:43  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00176	-.00153	.00110	.00022	-.00001	.05951
SDev	.00011	.00069	.00037	.00039	.00002	.00002	.00037
%RSD	228.63	39.297	24.114	35.711	7.5880	148.54	.62861
#1	-.00012	.00127	-.00127	.00138	.00023	.00000	.05924
#2	.00003	.00225	-.00179	.00082	.00021	-.00002	.05977
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00023	.00011	.00063	.01888	.01125	.01425
SDev	.00012	.00014	.00012	.00004	.00174	.00670	.00179
%RSD	241.41	61.132	107.23	6.2073	9.1980	59.554	12.560
#1	.00014	-.00013	.00019	.00066	.01766	.01599	.01552
#2	-.00004	-.00033	.00003	.00061	.02011	.00651	.01299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	-.00141	.05679	.00032	.00214	.00089	.00119
SDev	.00006	.00051	.00012	.00016	.00189	.00037	.00078
%RSD	80.445	36.139	.20951	51.095	88.460	41.393	65.371
#1	-.00003	-.00105	.05687	.00044	.00347	.00063	.00064
#2	-.00011	-.00177	.05670	.00020	.00080	.00114	.00175
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00630	.00551	.00137	.00163	.01228	.00019	.00023
SDev	.00091	.00023	.00038	.00046	.00006	.00001	.00001
%RSD	14.484	4.1858	27.855	28.127	.52959	5.1803	6.0123
#1	-.00695	.00535	.00164	.00130	.01224	.00019	.00022
#2	-.00566	.00568	.00110	.00195	.01233	.00018	.00024
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00306	-.00003	.00096	.00088			
SDev	.00267	.00015	.00017	.00088			
%RSD	87.397	535.40	17.286	99.609			
#1	-.00495	-.00014	.00084	.00026			
#2	-.00117	.00008	.00108	.00150			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	.01000	.00500	.02000	.20000			
Low	-.01000	-.00500	-.01000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134053	--	--	--	--	--	--
SDev	309.7128	--	--	--	--	--	--
%RSD	.2310376	--	--	--	--	--	--
#1	133834	--	--	--	--	--	--
#2	134272	--	--	--	--	--	--

Method: P50127C Sample Name: LCS 500-139296/2-A Operator: TDS  
 Run Time: 01/28/12 02:22:56  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04405	1.8016	.08752	.86411	1.8261	.04614	9.1224
SDev	.00008	.0024	.00007	.00199	.0027	.00008	.0195
%RSD	.18120	.13108	.07980	.23081	.14957	.16377	.21388
#1	.04411	1.8033	.08757	.86270	1.8281	.04609	9.1086
#2	.04399	1.8000	.08747	.86553	1.8242	.04619	9.1362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	2.4000	.12000	1.2000	2.4000	.06000	12.000
Low	.04000	1.6000	.08000	.80000	1.6000	.04000	8.0000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04552	.45811	.18651	.23491	.91424	8.6842	8.9258
SDev	.00033	.00111	.00057	.00019	.00494	.0008	.0167
%RSD	.72364	.24141	.30570	.08167	.54006	.00942	.18746
#1	.04528	.45733	.18611	.23505	.91075	8.6836	8.9140
#2	.04575	.45889	.18691	.23478	.91773	8.6848	8.9377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.06000	.60000	.24000	.30000	1.2000	12.000	12.000
Low	.04000	.40000	.16000	.20000	.80000	8.0000	8.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.48008	.90434	8.7639	.46223	.09597	.09265	.43895
SDev	.00064	.00368	.0130	.00194	.00003	.00017	.00266
%RSD	.13253	.40753	.14815	.41980	.02887	.18782	.60563
#1	.47963	.90173	8.7547	.46086	.09595	.09278	.43707
#2	.48053	.90694	8.7730	.46360	.09599	.09253	.44083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.60000	1.2000	12.000	.60000			.60000
Low	.40000	.80000	8.0000	.40000			.40000
Elem	1960/1	1960/2	Pb2203	Se1960	Sr1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07464	.08345	.09385	.08057	.89850	.93209	.92355
SDev	.00063	.00063	.00011	.00021	.00152	.00077	.00043
%RSD	.84835	.75622	.11394	.26006	.16926	.08314	.04678
#1	.07509	.08300	.09393	.08042	.89742	.93264	.92324
#2	.07420	.08389	.09377	.08071	.89957	.93154	.92386
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.12000	.12000	1.2000	1.2000	1.2000
Low			.08000	.08000	.80000	.80000	.80000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.08937	.46534	.44266	L2.0184			
SDev	.00045	.00008	.00210	.0000			
%RSD	.50412	.01657	.47404	.00048			
#1	.08969	.46529	.44118	L2.0184			
#2	.08906	.46539	.44414	L2.0184			
Errors	LC Pass	LC Pass	LC Pass	LC Low			
High	.12000	.60000	.60000	6.0000			
Low	.08000	.40000	.40000	4.0000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	132794	--	--	--	--	--	--
SDev	241.1234	--	--	--	--	--	--
%RSD	.1815777	--	--	--	--	--	--
#1	132623	--	--	--	--	--	--
#2	132964	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-1-A Operator: TDS  
 Run Time: 01/28/12 02:29:09  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	14.503	.02226	.02241	.06135	.00181	765.53
SDev	.00000	.013	.00060	.00075	.00012	.00002	1.01
%RSD	.21998	.08772	2.6995	3.3279	.18919	.92462	.13219
#1	-.00011	14.512	.02269	.02293	.06143	.00180	764.81
#2	-.00011	14.494	.02184	.02188	.06126	.00182	766.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00082	.02449	.04683	.04095	43.049	2.5387	184.01
SDev	.00002	.00009	.00014	.00028	.046	.0028	.11
%RSD	2.0694	.38096	.29216	.68896	.10663	.10997	.05950
#1	.00081	.02442	.04693	.04115	43.016	2.5406	183.93
#2	.00083	.02455	.04674	.04075	43.081	2.5367	184.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0422	.00105	1.2558	.05170	.02590	.02514	.00457
SDev	.0020	.00026	.0029	.00063	.00183	.00035	.00143
%RSD	.09669	25.201	.22824	1.2117	7.0697	1.3891	31.234
#1	2.0408	.00124	1.2578	.05215	.02719	.02538	.00558
#2	2.0436	.00086	1.2538	.05126	.02460	.02489	.00356
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00395	.00291	.02549	.00068	.00542	.53952	.67947
SDev	.00278	.00085	.00084	.00149	.00013	.00006	.00047
%RSD	70.401	29.108	3.3080	219.58	2.3120	.01187	.06859
#1	-.00198	.00351	.02608	.00173	.00533	.53957	.67914
#2	-.00591	.00231	.02489	-.00038	.00551	.53948	.67980
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00206	.06106	.09729	1.4151			
SDev	.00173	.00085	.00007	.0065			
%RSD	84.049	1.3914	.07382	.45898			
#1	-.00084	.06166	.09724	1.4105			
#2	-.00329	.06046	.09735	1.4197			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	126158	--	--	--	--	--	--
SDev	6.363961	--	--	--	--	--	--
%RSD	.0050445	--	--	--	--	--	--
#1	126162	--	--	--	--	--	--
#2	126153	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-2-A Operator: TDS  
 Run Time: 01/28/12 02:35:21  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00019	16.257	.01670	.00780	.08744	.00215	5.4703
SDev	.00015	.019	.00061	.00009	.00000	.00001	.0192
%RSD	79.128	.11385	3.6833	1.1679	.00508	.46268	.35133
#1	-.00008	16.270	.01626	.00787	.08744	.00214	5.4839
#2	-.00030	16.244	.01713	.00774	.08744	.00216	5.4567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00059	.02155	.03686	.03205	41.160	1.6498	7.4556
SDev	.00016	.00015	.00033	.00065	.057	.0047	.0131
%RSD	26.854	.67164	.89047	2.0430	.13754	.28785	.17520
#1	.00048	.02145	.03663	.03158	41.120	1.6531	7.4648
#2	.00071	.02165	.03709	.03251	41.200	1.6464	7.4463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6165	.00202	.40694	.05018	.03233	.03045	.00244
SDev	.0010	.00027	.00068	.00002	.00142	.00023	.00042
%RSD	.05981	13.381	.16657	.03280	4.3987	.75643	17.207
#1	1.6158	.00183	.40742	.05016	.03334	.03029	.00274
#2	1.6172	.00221	.40646	.05019	.03133	.03061	.00215
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sr1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00838	.00528	.03117	.00077	.00749	.02738	.86061
SDev	.00075	.00210	.00032	.00165	.00020	.00003	.00052
%RSD	8.9620	39.751	1.0289	213.11	2.6303	.09292	.06073
#1	-.00892	.00379	.03139	-.00039	.00763	.02739	.86024
#2	-.00785	.00676	.03094	.00194	.00735	.02736	.86098
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	-.00084	.05554	.12776	1.2555
SDev	.00175	.00010	.00080	.0013
%RSD	207.46	.18101	.62283	.10511
#1	-.00208	.05547	.12720	1.2546
#2	.00039	.05561	.12832	1.2564
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	136328	--	--	--	--	--	--
SDev	213.5462	--	--	--	--	--	--
%RSD	.1566415	--	--	--	--	--	--
#1	136177	--	--	--	--	--	--
#2	136179	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-3-A Operator: TDS  
 Run Time: 01/28/12 02:41:34  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Bc3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	20.103	.02377	.00736	.09160	.00234	4.6728
SDev	.00010	.006	.00001	.00006	.00002	.00001	.0027
%RSD	45.564	.03090	.01894	.78811	.02160	.30413	.05711
#1	-.00015	20.098	.02376	.00740	.09161	.00235	4.6709
#2	-.00030	20.107	.02377	.00732	.09158	.00234	4.6747
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.02091	.04082	.03968	67.908	1.6655	5.3581
SDev	.00002	.00024	.00036	.00009	.109	.0056	.0016
%RSD	4.9861	1.1369	.87895	.22795	.16019	.33498	.02947
#1	.00042	.02108	.04108	.03962	67.831	1.6694	5.3570
#2	.00039	.02074	.04057	.03975	67.985	1.6615	5.3592
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4313	.00699	.41077	.05189	.02376	.02210	.00108
SDev	.0011	.00051	.00011	.00057	.00114	.00125	.00098
%RSD	.07382	7.2332	.02761	1.0913	4.8145	5.6333	90.513
#1	1.4305	.00734	.41069	.05229	.02456	.02298	.00039
#2	1.4320	.00663	.41085	.05149	.02295	.02122	.00177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00570	.00582	.02271	.00203	.00613	.02442	.75456
SDev	.00054	.00117	.00122	.00096	.00095	.00002	.00038
%RSD	9.5607	20.123	5.3559	47.324	15.467	.09908	.05074
#1	-.00608	.00500	.02357	.00135	.00680	.02444	.75429
#2	-.00531	.00665	.02185	.00272	.00546	.02441	.75483
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00177	.07544	.13277	1.1843			
SDev	.00161	.00021	.00018	.0044			
%RSD	91.081	.27909	.13965	.37185			
#1	-.00290	.07558	.13264	1.1812			
#2	-.00063	.07529	.13290	1.1874			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	137873	--	--	--	--	--	--
SDev	400.2224	--	--	--	--	--	--
%RSD	.2902834	--	--	--	--	--	--
#1	137590	--	--	--	--	--	--
#2	138156	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-4-A Operator: TDS  
 Run Time: 01/28/12 02:47:47  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00027	21.953	.02098	.00811	.09294	.00245	5.5757
SDev	.00024	.000	.00039	.00052	.00008	.00000	.0083
%RSD	88.956	.00104	1.8717	6.3505	.08780	.06948	.14796
#1	-.00045	21.953	.02126	.00774	.09299	.00245	5.5699
#2	-.00010	21.953	.02070	.00847	.09288	.00245	5.5815
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00041	.02289	.04297	.03810	50.291	1.7090	7.5046
SDev	.00008	.00003	.00007	.00017	.055	.0043	.0071
%RSD	19.507	.15402	.16515	.45876	.10882	.25360	.09526
#1	.00036	.02292	.04292	.03823	50.252	1.7121	7.4996
#2	.00047	.02287	.04302	.03798	50.329	1.7059	7.5097
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6346	.00221	.37179	.05253	.02913	.02681	.00104
SDev	.0014	.00028	.00006	.00009	.00115	.00003	.00042
%RSD	.08371	12.498	.01724	.17668	3.9478	.11285	40.688
#1	1.6336	.00240	.37175	.05247	.02994	.02683	.00074
#2	1.6356	.00201	.37184	.05260	.02831	.02679	.00134
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00666	.00554	.02765	.00153	.00530	.02888	.91296
SDev	.00016	.00059	.00040	.00034	.00024	.00003	.00051
%RSD	2.4489	10.624	1.4408	22.144	4.5821	.08816	.05559
#1	-.00654	.00513	.02793	.00129	.00513	.02890	.91331
#2	-.00677	.00596	.02736	.00177	.00547	.02887	.91259
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	-.00250	.06763	.11893	.99481			
SDev	.00111	.00007	.00032	.00153			
%RSD	44.423	.09882	.27123	.15408			
#1	-.00172	.06768	.11870	.99590			
#2	-.00329	.06759	.11915	.99373			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	137238	--	--	--	--	--	--
SDev	79.19596	--	--	--	--	--	--
%RSD	.0577070	--	--	--	--	--	--
#1	137182	--	--	--	--	--	--
#2	137294	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-5-A Operator: TDS  
 Run Time: 01/28/12 02:54:00  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00026	13.719	.03550	.02013	.07081	.00193	534.81
SDev	.00002	.003	.00075	.00028	.00005	.00001	.26
%RSD	9.6057	.01864	2.1044	1.4089	.07081	.45818	.04809
#1	-.00024	13.718	.03603	.02033	.07085	.00192	534.63
#2	-.00027	13.721	.03497	.01993	.07078	.00194	534.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00098	.02732	.05281	.04962	57.750	2.1938	146.32
SDev	.00001	.00013	.00006	.00010	.019	.0026	.06
%RSD	.67689	.48468	.11752	.19522	.03296	.11778	.04275
#1	.00097	.02742	.05276	.04969	57.737	2.1956	146.28
#2	.00098	.02723	.05285	.04955	57.764	2.1919	146.37
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.0091	.00603	1.0996	.05499	.03107	.02976	.00091
SDev	.0013	.00087	.0010	.00006	.00022	.00156	.00129
%RSD	.06539	14.448	.09513	.11404	.70006	5.2485	142.24
#1	2.0082	.00664	1.1003	.05503	.03122	.02866	.00183
#2	2.0100	.00541	1.0988	.05494	.03091	.03087	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00703	.00400	.03029	.00038	.00597	.34542	.64609
SDev	.00275	.00030	.00097	.00072	.00094	.00016	.00005
%RSD	39.082	7.4398	3.1991	190.57	15.831	.04774	.00748
#1	-.00509	.00379	.02960	.00088	.00663	.34531	.64605
#2	-.00897	.00421	.03097	-.00013	.00530	.34554	.64612
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.00100	.06937	.12129	1.3278			
SDev	.00017	.00042	.00004	.0019			
%RSD	17.072	.60407	.03187	.14399			
#1	-.00112	.06966	.12126	1.3292			
#2	-.00088	.06907	.12131	1.3265			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	130756	--	--	--	--	--	--
SDev	111.0158	--	--	--	--	--	--
%RSD	.0849027	--	--	--	--	--	--
#1	130835	--	--	--	--	--	--
#2	130678	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-6-A Operator: TDS  
 Run Time: 01/28/12 03:00:13  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00001	24.317	.02739	.01693	.14193	.00297	399.57
SDev	.00004	.011	.00233	.00037	.00009	.00001	.36
%RSD	327.48	.04374	8.5233	2.1882	.06318	.17116	.09056
#1	.00001	24.324	.02574	.01667	.14187	.00297	399.31
#2	-.00004	24.309	.02904	.01719	.14200	.00297	399.82
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00137	.03016	.05636	.06316	70.850	2.6534	94.340
SDev	.00047	.00026	.00035	.00003	.174	.0105	.036
%RSD	34.480	.86589	.61808	.04259	.24510	.39388	.03822
#1	.00104	.03035	.05660	.06314	70.727	2.6608	94.366
#2	.00170	.02998	.05611	.06318	70.973	2.6460	94.315
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.2401	.00516	.97678	.06557	.06979	.06918	.00038
SDev	.0014	.00198	.00187	.00012	.00194	.00177	.00134
%RSD	.04331	38.338	.19124	.18731	2.7848	2.5607	354.28
#1	3.2391	.00656	.97810	.06549	.07117	.06792	.00133
#2	3.2411	.00376	.97546	.06566	.06842	.07043	-.00057
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00567	.00427	.06946	.00101	.00648	.21895	1.0936
SDev	.00044	.00097	.00053	.00079	.00135	.00005	.0001
%RSD	7.8531	22.630	.76740	78.393	20.863	.02427	.00464
#1	-.00535	.00495	.06908	.00157	.00744	.21899	1.0936
#2	-.00598	.00359	.06981	.00045	.00552	.21891	1.0936
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm			
Avg	-.00026	.08449	.19111	1.2463			
SDev	.00330	.00031	.00011	.0051			
%RSD	1246.1	.37128	.05638	.40922			
#1	-.00260	.08472	.19119	1.2427			
#2	.00207	.08427	.19104	1.2499			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	130949	--	--	--	--	--	--
SDev	145.6640	--	--	--	--	--	--
%RSD	.1112372	--	--	--	--	--	--
#1	130846	--	--	--	--	--	--
#2	131052	--	--	--	--	--	--

Method: P50127C Sample Name: 510-74911-G-7-A Operator: TDS  
 Run Time: 01/28/12 03:06:26  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00032	30.803	.03390	.00794	.15257	.00433	9.5176
SDev	.00024	.000	.00063	.00076	.00002	.00001	.0035
%RSD	73.744	.00070	1.8466	9.6122	.01416	.28165	.03638
#1	-.00015	30.803	.03346	.00848	.15256	.00432	9.5200
#2	-.00049	30.804	.03434	.00740	.15259	.00434	9.5151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00056	.04134	.04916	.08950	100.04	2.5352	11.854
SDev	.00017	.00002	.00001	.00019	.11	.0020	.013
%RSD	29.489	.05674	.01384	.21618	.10634	.07704	.10824
#1	.00068	.04136	.04916	.08964	99.962	2.5338	11.845
#2	.00045	.04132	.04917	.08936	100.11	2.5366	11.863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.1332	.00401	.56910	.07580	.03201	.03165	.00038
SDev	.0013	.00044	.00009	.00018	.00139	.00024	.00087
%RSD	.05934	10.873	.01654	.23976	4.3452	.74829	232.55
#1	2.1323	.00370	.56916	.07567	.03102	.03182	.00099
#2	2.1341	.00432	.56903	.07593	.03299	.03149	-.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00545	.00613	.03184	.00232	.00579	.03311	1.7511
SDev	.00053	.00003	.00031	.00016	.00096	.00002	.0017
%RSD	9.7742	.52983	.97577	6.7124	16.497	.05096	.09912
#1	-.00582	.00615	.03162	.00221	.00647	.03312	1.7498
#2	-.00507	.00611	.03206	.00243	.00512	.03310	1.7523
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	.00036	.15462	.19753	1.1747
SDev	.00094	.00078	.00022	.0129
%RSD	257.33	.50488	.11149	1.0944

#1	-.00030	.15407	.19738	1.1838
#2	.00103	.15517	.19769	1.1656

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

InStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	139750	--	--	--	--	--	--
SDev	157.6848	--	--	--	--	--	--
%RSD	.1128331	--	--	--	--	--	--
#1	139639	--	--	--	--	--	--
#2	139862	--	--	--	--	--	--

Method: P50127C Sample Name: S10-74911-G-8-A Operator: TDS  
 Run Time: 01/28/12 03:12:29  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00007	26.936	.01861	.01167	.07563	.00297	178.60
SDev	.00012	.025	.00022	.00076	.00017	.00001	.28
%RSD	184.74	.09269	1.1882	6.4773	.22048	.18660	.15929
#1	.00015	26.953	.01876	.01221	.07575	.00297	178.40
#2	-.00002	26.918	.01845	.01114	.07551	.00296	178.80
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00070	.02912	.11835	.04181	62.256	1.9627	64.996
SDev	.00008	.00005	.00005	.00004	.096	.0063	.078
%RSD	11.384	.18250	.04019	.10403	.15490	.32286	.12005
#1	.00075	.02908	.11838	.04177	62.187	1.9672	64.941
#2	.00064	.02916	.11831	.04184	62.324	1.9582	65.051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.8308	.00303	.66417	.08141	.03143	.02985	.00161
SDev	.0010	.00036	.00109	.00024	.00014	.00104	.00003
%RSD	.05694	11.909	.16476	.29036	.43723	3.4878	1.9369
#1	1.8301	.00329	.66495	.08158	.03152	.02911	.00159
#2	1.8316	.00278	.66340	.08125	.03133	.03058	.00163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00662	.00468	.03045	.00096	.00634	.11396	1.3049
SDev	.00368	.00047	.00065	.00092	.00037	.00018	.0001
%RSD	55.585	9.9675	2.1463	95.006	5.7734	.15675	.01014
#1	-.00402	.00435	.02998	.00161	.00608	.11409	1.3050
#2	-.00922	.00501	.03091	.00032	.00660	.11384	1.3048
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00244	.09066	.11252	1.1312			
SDev	.00130	.00060	.00046	.0037			
%RSD	53.360	.66076	.41011	.32291			
#1	-.00337	.09108	.11219	1.1337			
#2	-.00152	.09024	.11285	1.1286			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	131559	--	--	--	--	--	--
SDev	237.5879	--	--	--	--	--	--
%RSD	.1805942	--	--	--	--	--	--
#1	131391	--	--	--	--	--	--
#2	131727	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/28/12 03:21:08  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.52116	51.038	.52125	.52528	.52126	.51165	25.893
SDev	.00023	.040	.00271	.00356	.00069	.00032	.013
%RSD	.04506	.07766	.51965	.67783	.13334	.06340	.05123
#1	.52132	51.066	.51934	.52780	.52175	.51188	25.903
#2	.52099	51.010	.52317	.52276	.52076	.51142	25.884
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.50793	.50737	.51070	.52468	25.738	52.201	25.820
SDev	.00005	.00046	.00056	.00065	.012	.067	.013
%RSD	.00926	.09134	.11010	.12428	.04742	.12814	.04931
#1	.50790	.50770	.51110	.52514	25.746	52.248	25.829
#2	.50797	.50704	.51030	.52422	25.729	52.154	25.811
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.2129	.51078	26.671	.51083	.50731	.51095	.52697
SDev	.0030	.00151	.043	.00020	.00316	.00299	.00234
%RSD	.05711	.29562	.16037	.03905	.62221	.58508	.44341
#1	5.2150	.50972	26.702	.51069	.50507	.51307	.52532
#2	5.2108	.51185	26.641	.51097	.50954	.50884	.52862
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.51202	.51160	.50981	.51179	.51059	.52094	.52673
SDev	.00424	.00134	.00094	.00052	.00070	.00050	.00028
%RSD	.82747	.26219	.18454	.10122	.13673	.09589	.05407
#1	.50903	.51255	.51048	.51143	.51010	.52129	.52693
#2	.51502	.51065	.50915	.51216	.51109	.52058	.52653
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.51696	5.1526	.49879	.49504			
SDev	.00206	.0012	.00020	.00263			
%RSD	.39777	.02390	.03986	.53190			
#1	.51551	5.1535	.49893	.49690			
#2	.51842	5.1518	.49865	.49317			
Errors	QC Pass	QC Pass	QC Pass	QC Pass			
Value	.50000	5.0000	.50000	.50000			
Range	10.000	10.000	10.000	10.000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	131968	--	--	--	--	--	--
SDev	43.84062	--	--	--	--	--	--
%RSD	.0332206	--	--	--	--	--	--
#1	131999	--	--	--	--	--	--
#2	131937	--	--	--	--	--	--

Method: P50127C Sample Name: CCB  
 Run Time: 01/28/12 03:27:23  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4924	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00973	.00002	.00205	.00033	.00007	.00335
SDev	.00007	.00384	.00070	.00045	.00005	.00002	.00221
%RSD	48.324	39.472	3215.4	22.102	14.407	22.657	65.958
#1	.00010	.01245	.00052	.00237	.00036	.00009	.00492
#2	.00020	.00702	-.00047	.00173	.00029	.00006	.00179
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00015	-.00015	.00018	.02194	.00152	.00133
SDev	.00007	.00013	.00005	.00031	.00496	.00044	.00189
%RSD	79.792	88.069	32.587	170.05	22.590	29.015	142.42
#1	.00004	-.00006	-.00011	.00040	.02545	.00121	.00266
#2	.00014	-.00024	-.00018	-.00004	.01844	.00183	-.00001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	-.00166	-.03404	-.00003	.00026	.00029	.00052
SDev	.00025	.00029	.00098	.00001	.00062	.00280	.00015
%RSD	55.076	17.231	2.8900	32.355	234.78	951.96	29.888
#1	.00063	-.00187	-.03335	-.00002	-.00017	.00228	.00063
#2	.00028	-.00146	-.03474	-.00004	.00070	-.00169	.00041
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	.00124	.00035	.00080	-.00089	.00079	.00018
SDev	.00017	.00040	.00166	.00021	.00058	.00002	.00013
%RSD	75.294	32.067	473.35	25.853	65.706	2.7641	72.015
#1	-.00035	.00152	.00153	.00095	-.00130	.00080	.00027
#2	-.00011	.00096	-.00082	.00065	-.00047	.00077	.00009
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avg	.00075	.00027	.00112	-.00063
SDev	.00094	.00052	.00027	.00058
%RSD	125.32	189.52	24.270	8.7530

#1	.00142	.00064	.00131	-.000622
#2	.00009	-.00009	.00093	-.000704

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134740	--	--	--	--	--	--
SDev	207.1823	--	--	--	--	--	--
%RSD	.1537651	--	--	--	--	--	--

#1	134886	--	--	--	--	--	--
#2	134593	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43896-F-J-H Operator: TDS  
 Run Time: 01/28/12 03:33:37  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba1934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00020	80.594	.05549	.05161	.96305	.00559	630.65
SDev	.00016	.006	.00083	.00085	.00081	.00007	1.19
%RSD	76.614	.00766	1.4942	1.6521	.08427	.12686	.18833
#1	.00031	80.598	.05490	.05221	.96363	.00558	631.48
#2	.00009	80.590	.05608	.05101	.96248	.00559	629.81
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00538	.04961	.11760	.16402	139.74	10.226	400.23
SDev	.00002	.00016	.00002	.00002	.08	.005	.33
%RSD	.42012	.33289	.01649	.01469	.05545	.04906	.08298
#1	.00536	.04972	.11761	.16400	139.79	10.222	400.46
#2	.00539	.04949	.11759	.16404	139.68	10.229	399.99
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.2685	.01231	1.5990	.12043	.41543	.41946	.00003
SDev	.0029	.00080	.0020	.00030	.00144	.00049	.00167
%RSD	.06903	6.4873	.12792	.24606	.34632	.11657	6074.9
#1	4.2706	.01287	1.6005	.12064	.41645	.41912	.00121
#2	4.2664	.01174	1.5976	.12022	.41442	.41981	-.00115
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00143	.00132	.41820	.00045	.01114	.28595	.76959
SDev	.00385	.00041	.00015	.00101	.00024	.00001	.00028
%RSD	268.62	30.950	.03677	223.65	2.1790	.00354	.03637
#1	.00129	.00103	.41830	.00117	.01097	.28594	.76979
#2	-.00416	.00160	.41809	-.00026	.01131	.28596	.76939
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.00034	.16761	1.0602	1.4397			
SDev	.00036	.00080	.0011	.0019			
%RSD	106.19	.47725	.10631	.13296			
#1	.00059	.16704	1.0610	1.4383			
#2	.00008	.16818	1.0594	1.4410			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132514	--	--	--	--	--	--
SDev	282.1356	--	--	--	--	--	--
%RSD	.2129109	--	--	--	--	--	--
#1	132314	--	--	--	--	--	--
#2	132713	--	--	--	--	--	--

Method: P50127C Sample Name: 43896-P-1-H SD @5 Operator: TDS  
 Run Time: 01/28/12 03:39:52  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	16.804	.01239	.01000	.20529	.00126	143.20
SDev	.00018	.015	.00100	.00009	.00019	.00001	.21
%RSD	79.719	.08851	8.0550	.91478	.09317	.79395	.14745
#1	.00010	16.794	.01309	.00993	.20542	.00125	143.05
#2	.00035	16.815	.01168	.01006	.20515	.00126	143.34
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00097	.01101	.02593	.03381	31.613	1.7404	86.383
SDev	.00003	.00006	.00023	.00037	.027	.0004	.106
%RSD	3.2517	.53799	.90218	1.1069	.08458	.02031	.12311
#1	.00095	.01097	.02576	.03355	31.594	1.7402	86.308
#2	.00099	.01105	.02609	.03408	31.631	1.7407	86.458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96562	.00221	.24788	.02792	.09555	.09674	.00071
SDev	.00103	.00072	.00046	.00018	.00003	.00029	.00016
%RSD	.10622	32.779	.18379	.65981	.03467	.29900	22.438
#1	.96490	.00170	.24755	.02805	.09557	.09694	.00082
#2	.96635	.00273	.24820	.02779	.09552	.09654	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00085	.00061	.09642	.00018	.00198	.06367	.16709
SDev	.00111	.00042	.00020	.00009	.00136	.00003	.00020
%RSD	131.21	68.388	.21135	52.813	68.878	.04775	.12284
#1	-.00163	.00090	.09656	.00011	.00102	.06369	.16694
#2	-.00006	.00031	.09627	.00024	.00294	.06365	.16723
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	-.00090	.03987	.25069	.31783			
SDev	.00004	.00009	.00063	.00406			
%RSD	4.5131	.21520	.25141	1.2760			
#1	-.00093	.03981	.25025	.31496			
#2	-.00087	.03993	.25114	.32070			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132301	--	--	--	--	--	--
SDev	173.9483	--	--	--	--	--	--
%RSD	.1314792	--	--	--	--	--	--
#1	132424	--	--	--	--	--	--
#2	132178	--	--	--	--	--	--

Method: P90127C Sample Name: 500-43896-F-1-I DU Operator: TDS  
 Run Time: 01/28/12 03:16:05  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00004	100.31	.06467	.04664	1.1351	.00715	297.19
SDev	.00035	.04	.00036	.00034	.0022	.00003	1.42
%RSD	954.49	.03885	.56256	.72894	.19150	.37113	.47814

#1	-.00029	100.28	.06441	.04688	1.1366	.00713	296.18
#2	.00021	100.34	.06492	.04640	1.1335	.00717	298.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00659	.06893	.15643	.18423	172.54	11.026	179.61
SDev	.00000	.00016	.00002	.00030	.45	.010	.46
%RSD	.02268	.22987	.00983	.16374	.26083	.08909	.25672

#1	.00659	.06882	.15644	.18402	172.22	11.033	179.28
#2	.00659	.06904	.15641	.18445	172.86	11.019	179.93

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000

Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	5.6971	.01436	.98501	.14183	.52135	.52521	.00010
SDev	.0128	.00081	.00022	.00040	.00042	.00233	.00055
%RSD	.22523	5.6353	.02191	.27836	.08103	.44439	562.48

#1	5.6880	.01493	.98486	.14155	.52105	.52356	.00049
#2	5.7061	.01379	.98516	.14211	.52165	.52686	-.00029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000

Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4235	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00234	.00470	.52401	.00240	.01469	.20614	.96902
SDev	.00250	.00101	.00170	.00016	.00014	.00016	.00064
%RSD	106.80	21.536	.32381	6.5968	.93909	.07773	.06656

#1	-.00057	.00398	.52281	.00251	.01479	.20625	.96856
#2	-.00410	.00541	.52521	.00229	.01459	.20602	.96947

Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500

Elem	Tl1908	V_2924	Zn2062	Si2881
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Units	ppm	ppm	ppm	ppm
Avge	.00212	.22050	1.3039	1.5238
SDev	.00211	.00023	.0064	.0021
%RSD	99.372	.10564	.49010	.13507

#1	.00063	.22066	1.2994	1.5223
#2	.00361	.22033	1.3084	1.5253

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	135326	--	--	--	--	--	--
SDev	.7071068	--	--	--	--	--	--
%RSD	.0005225	--	--	--	--	--	--

#1	135327	--	--	--	--	--	--
#2	135326	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43896-F-1-J MS Operator: TDS  
 Run Time: 01/28/12 03:52:18  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	<del>Ta3179</del>
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04775	86.426	.12397	.93996	2.4826	.04802	H1160.3
SDev	.00048	.045	.00029	.00210	.0014	.00003	1.2
%RSD	1.0074	.05231	.23344	.22333	.05841	.07322	.10171
#1	.04809	86.394	.12418	.94144	2.4816	.04804	H1161.2
#2	.04741	86.458	.12377	.93847	2.4836	.04799	H1159.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04393	.43183	.27934	.35699	83.696	27.604	746.16
SDev	.00030	.00069	.00110	.00001	.011	.029	.73
%RSD	.67662	.15912	.39253	.00175	.01361	.10419	.09773
#1	.04372	.43232	.28011	.35699	83.704	27.625	745.65
#2	.04414	.43135	.27856	.35698	83.688	27.584	746.68
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7895	.86276	15.414	.47254	.39146	.39787	.19355
SDev	.0003	.00001	.001	.00043	.00123	.00199	.00128
%RSD	.00865	.00159	.00497	.09103	.31459	.50124	.65864
#1	3.7897	.86277	15.415	.47284	.39233	.39846	.19445
#2	3.7892	.86275	15.414	.47223	.39059	.39928	.19265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07693	.08129	.39581	.07989	.85075	1.2840	1.8238
SDev	.00090	.00027	.00092	.00048	.00013	.0001	.0007
%RSD	1.1703	.32789	.23216	.59818	.01541	.01164	.03879
#1	.07757	.08148	.39516	.08023	.85084	1.2839	1.8243
#2	.07629	.08110	.39646	.07955	.85066	1.2842	1.8233
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

*P/B ok*



Units	ppm	ppm	ppm	ppm			
Avge	.08870	.59741	1.0526	2.7684			
SDev	.00107	.00118	.0001	.0074			
%RSD	1.2062	.19704	.00509	.26851			
#1	.08794	.59824	1.0527	2.7737			
#2	.08946	.59657	1.0526	2.7632			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126609	--	--	--	--	--	--
SDev	213.5462	--	--	--	--	--	--
%RSD	.1686659	--	--	--	--	--	--
#1	126458	--	--	--	--	--	--
#2	126760	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43896-F-1-K MSD Operator: TDS  
 Run Time: 01/28/12 03:58:31  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04752	147.50	.16121	.94657	3.5655	.05388	577.61
SDev	.00077	.12	.00044	.00016	.0070	.00010	2.31
%RSD	1.6207	.08353	.26972	.01676	.19500	.18136	.40009
#1	.04697	147.59	.16090	.94616	3.5704	.05381	575.97
#2	.04806	147.41	.16152	.94668	3.5606	.05395	579.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05167	.49492	.36706	.48880	212.75	32.145	354.54
SDev	.00020	.00136	.00111	.00090	.46	.051	.88
%RSD	.38165	.27496	.30124	.18441	.21406	.15718	.24940
#1	.05181	.49395	.36628	.48944	212.43	32.181	353.91
#2	.05153	.49588	.36785	.48817	213.08	32.110	355.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.2506	.88330	13.800	.57458	1.4190	1.4282	.14742
SDev	.0204	.00190	.017	.00236	.0053	.0021	.00140
%RSD	.28160	.21493	.12073	.41140	.37619	.14808	.95008
#1	7.2362	.88196	13.812	.57291	1.4152	1.4267	.14841
#2	7.2650	.88465	13.788	.57625	1.4227	1.4297	.14643
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07700	.08203	1.4252	.08041	.90367	1.2634	2.3893
SDev	.00166	.00006	.0032	.00051	.00168	.0012	.0023
%RSD	2.1547	.07440	.22415	.63716	.18550	.09747	.09674
#1	.07817	.08199	1.4229	.08077	.90249	1.2642	2.3876
#2	.07582	.08207	1.4275	.08004	.90486	1.2625	2.3909
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avgc	.09383	.76263	2.0974	2.4628			
SDev	.00047	.00062	.0104	.0069			
%RSD	.50074	.08113	.49536	.27914			
#1	.09416	.76219	2.0901	2.4677			
#2	.09350	.76307	2.1048	2.4580			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	131449	--	--	--	--	--	--
SDev	60.81118	--	--	--	--	--	--
%RSD	.0462622	--	--	--	--	--	--
#1	131492	--	--	--	--	--	--
#2	131406	--	--	--	--	--	--

Method: P50127C Sample Name: MB 500-139302/1-A Operator: TDS  
 Run Time: 01/28/12 04:11:28  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00013	.02750	-.00015	.03887	.00018	.00001	.05902
SDev	.00047	.00160	.00011	.00002	.00003	.00001	.00717
%RSD	348.87	5.8129	75.900	.03830	18.967	80.805	12.147
#1	-.00046	.02863	-.00022	.03886	.00021	.00000	.06409
#2	.00020	.02637	-.00007	.03888	.00016	.00001	.05395
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	-.00044	-.00023	.00049	.01445	.00055	.01174
SDev	.00009	.00015	.00006	.00016	.00973	.00361	.00308
%RSD	59.771	34.297	27.719	33.420	67.320	656.36	26.260
#1	.00022	-.00054	-.00019	.00061	.00757	-.00200	.01392
#2	.00009	-.00033	-.00028	.00037	.02134	.00310	.00956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00014	-.00199	-.04171	-.00010	.00069	.00051	.00009
SDev	.00002	.00028	.00046	.00023	.00131	.00014	.00148
%RSD	11.441	14.258	1.0940	224.01	189.60	27.611	1573.7
#1	-.00013	-.00219	-.04203	.00006	-.00024	.00041	-.00096
#2	-.00015	-.00179	-.04138	-.00027	.00162	.00061	.00114
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	.01000	.01000	1.0000	.01000			.02000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00105	.00074	.00063	.00090	-.00157	.00005	.00029
SDev	.00024	.00099	.00053	.00058	.00021	.00000	.00002
%RSD	23.126	133.18	84.504	64.533	13.157	2.4378	5.4462
#1	.00123	.00004	.00025	.00049	-.00171	.00005	.00030
#2	.00088	.00145	.00100	.00131	-.00142	.00005	.00028
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			.00500	.01000	.04000	.00500	.00500
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.00031	.00001	.01494	-.00711			
SDev	.00045	.00034	.00015	.00018			
%RSD	143.04	2332.3	1.0034	2.5040			
#1	-.00000	-.00022	.01484	-.00699			
#2	.00063	.00025	.01505	-.00724			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	.01000	.00500	.02000	.20000			
Low	-.01000	-.00500	-.01000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	135469	--	--	--	--	--	--
SDev	585.4844	--	--	--	--	--	--
%RSD	.4321907	--	--	--	--	--	--
#1	135883	--	--	--	--	--	--
#2	135055	--	--	--	--	--	--

Method: P50127C Sample Name: LCS 500-139302/2-A Operator: TDS  
 Run Time: 01/28/12 04:17:41  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.02432	L1.0111	L.05079	L.53273	L1.0017	L.02517	L5.0395
SDev	.00003	.0019	.00022	.00001	.0022	.00002	.0139
%RSD	.12989	.19068	.42915	.00229	.22149	.08929	.27656
#1	L.02435	L1.0098	L.05064	L.53273	L1.0002	L.02518	L5.0493
#2	L.02430	L1.0125	L.05095	L.53274	L1.0033	L.02515	L5.0296
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	.06000	2.4000	.12000	1.2000	2.4000	.06000	12.000
Low	.04000	1.6000	.08000	.80000	1.6000	.04000	8.0000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.02542	L.25185	L.10140	L.12830	L.51918	L5.0071	L4.9587
SDev	.00001	.00065	.00034	.00009	.01389	.0077	.0063
%RSD	.04031	.26007	.33956	.07051	2.6748	.15429	.12722
#1	L.02543	L.25231	L.10164	L.12824	L.52900	L5.0016	L4.9631
#2	L.02541	L.25139	L.10116	L.12837	L.50936	L5.0125	L4.9542
Errors	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low	LC Low
High	.06000	.60000	.24000	.30000	1.2000	12.000	12.000
Low	.04000	.40000	.16000	.20000	.80000	8.0000	8.0000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L.26260	L.49578	L4.8366	L.25511	.05335	.05163	L.25584
SDev	.00060	.00067	.0072	.00095	.00150	.00030	.00019
%RSD	.22911	.13449	.14806	.37308	2.8181	.58561	.07622
#1	L.26302	L.49530	L4.8315	L.25578	.05442	.05185	L.25598
#2	L.26217	L.49625	L4.8417	L.25444	.05229	.05142	L.25570
Errors	LC Low	LC Low	LC Low	LC Low	NOCHECK	NOCHECK	LC Low
High	.60000	1.2000	12.000	.60000			.60000
Low	.40000	.80000	8.0000	.40000			.40000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04716	.05000	L.05228	L.04910	L.49101	L.51138	L.50384
SDev	.00007	.00011	.00070	.00010	.00003	.00052	.00023
%RSD	.14886	.22790	1.3444	.20222	.00593	.10236	.04654
#1	.04711	.04992	L.05278	L.04903	L.49099	L.51101	L.50400
#2	.04721	.05008	L.05178	L.04917	L.49103	L.51175	L.50367
Errors	NOCHECK	NOCHECK	LC Low	LC Low	LC Low	LC Low	LC Low
High			.12000	.12000	1.2000	1.2000	1.2000
Low			.08000	.08000	.80000	.80000	.80000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	L.05084	L.25416	L.24960	L2.3938
SDev	.00092	.00007	.00026	.0058
%RSD	1.8141	.02710	.10568	.24417

#1	L.05019	L.25411	L.24979	L2.3979
#2	L.05149	L.25421	L.24941	L2.3896

Errors	LC Low	LC Low	LC Low	LC Low
High	.12000	.60000	.60000	6.0000
Low	.08000	.40000	.40000	4.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	135240	--	--	--	--	--	--
SDev	176.7767	--	--	--	--	--	--
%RSD	.1307133	--	--	--	--	--	--
#1	135115	--	--	--	--	--	--
#2	135365	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-1-A Operator: TDS  
 Run Time: 01/28/12 04:23:55  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	1.6580	.00131	.00972	.08964	.00012	7.5679
SDev	.00002	.0253	.00007	.00075	.00022	.00001	.0003
%RSD	14.497	1.5244	5.1594	7.7078	.24452	8.4709	.00394
#1	.00018	1.6759	.00127	.01025	.08979	.00013	7.5677
#2	.00015	1.6401	.00136	.00919	.08948	.00011	7.5681
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00004	.00016	.00221	.00501	1.2595	1.9449	1.2817
SDev	.00013	.00042	.00016	.00025	.0107	.0031	.0020
%RSD	342.04	260.49	7.2882	4.9254	.84958	.15755	.15905
#1	.00005	-.00014	.00210	.00519	1.2670	1.9470	1.2803
#2	-.00013	.00046	.00233	.00484	1.2519	1.9427	1.2832
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01594	-.00071	2.3749	.00357	.00024	.00034	.00064
SDev	.00002	.00047	.0060	.00015	.00195	.00070	.00012
%RSD	.12675	66.213	.25070	4.2592	799.34	202.95	18.640
#1	.01593	-.00105	2.3791	.00346	-.00114	.000015	.00073
#2	.01596	-.00038	2.3707	.00368	.00162	.00084	.00056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00140	.00218	.00037	.00104	.00063	.03442	.03292
SDev	.00132	.00088	.00112	.00015	.00014	.00002	.00111
%RSD	94.025	40.219	301.41	14.045	22.017	.06309	3.3708
#1	-.00047	.00156	-.00042	.00094	.00053	.03443	.03371
#2	-.00233	.00280	.00116	.00114	.00073	.03440	.03214
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.00043	.00432	.00611	7.1793
SDev	.00025	.00012	.00013	.0439
%RSD	58.545	2.8573	2.1302	.61163

#1	.00025	.00440	.00620	7.2103
#2	.00061	.00423	.00602	7.1482

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134873	--	--	--	--	--	--
SDev	84.85281	--	--	--	--	--	--
%RSD	.0629131	--	--	--	--	--	--

#1	134813	--	--	--	--	--	--
#2	134933	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-2-A Operator: TDS  
 Run Time: 01/28/12 04:30:08  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.96738	.00011	.08022	.05594	.00007	17.371
SDev	.00020	.00073	.00063	.00040	.00010	.00001	.016
%RSD	288.38	.07536	586.78	.50344	.17689	18.273	.09542
#1	.00021	.96790	.00055	.08051	.05587	.00006	17.160
#2	-.00007	.96687	-.00034	.07994	.05601	.00008	17.183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	.00002	.00229	.00511	.74931	1.9654	11.091
SDev	.00011	.00017	.00016	.00011	.00284	.0068	.015
%RSD	118.34	1143.8	7.0722	2.1343	.37888	.34528	.13608
#1	.00016	-.00014	.00218	.00504	.75132	1.9606	11.080
#2	.00001	.00011	.00241	.00519	.74730	1.9702	11.102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01042	-.00098	7.3678	.00636	.00237	.00052	.00057
SDev	.00004	.00033	.0145	.00015	.00088	.00018	.00029
%RSD	.35680	34.327	.19709	2.4116	37.248	35.114	50.704
#1	.01045	-.00121	7.3575	.00647	.00174	.00065	.00078
#2	.01040	-.00074	7.3780	.00625	.00299	.00039	.00037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00031	.00189	.00120	.00142	-.00014	.10343	.02731
SDev	.00111	.00099	.00017	.00103	.00018	.00006	.00010
%RSD	355.78	52.344	14.329	72.632	133.14	.05594	.36218
#1	.00109	.00259	.00107	.00215	-.00001	.10339	.02738
#2	-.00047	.00119	.00132	.00069	-.00027	.10347	.02724
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	-.00128	.00399	.00517	7.7361			
SDev	.00177	.00043	.00002	.0138			
%RSD	138.89	10.793	.35226	.17799			
#1	-.00253	.00368	.00516	7.7264			
#2	-.00002	.00429	.00518	7.7458			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134348	--	--	--	--	--	--
SDev	68.58935	--	--	--	--	--	--
%RSD	.0510533	--	--	--	--	--	--
#1	134300	--	--	--	--	--	--
#2	134397	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-3-A Operator: TDS  
 Run Time: 01/28/12 04:36:21  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.53529	-.00041	.17648	.04315	.00007	19.726
SDev	.00001	.00151	.00114	.00055	.00001	.00001	.006
%RSD	3.8611	.28213	277.96	.31392	.02451	20.453	.02803
#1	.00031	.53635	-.00121	.17609	.04316	.00008	19.722
#2	.00030	.53422	.00039	.17688	.04315	.00006	19.730
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00010	.00019	.00274	.00363	.52268	2.0897	16.242
SDev	.00000	.00009	.00003	.00006	.00812	.0076	.007
%RSD	.22856	46.542	1.2012	1.7529	1.5529	.36414	.04233
#1	.00010	.00025	.00272	.00367	.52842	2.0951	16.237
#2	.00010	.00013	.00277	.00358	.51694	2.0844	16.247
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01587	-.00034	8.5758	.00877	.00061	-.00009	-.00010
SDev	.00004	.00011	.0029	.00001	.00023	.00289	.00104
%RSD	.24213	31.346	.03365	.16201	37.456	3293.9	1020.8
#1	.01589	-.00027	8.5737	.00878	.00077	-.00213	-.00084
#2	.01584	-.00042	8.5778	.00876	.00045	.00196	.00063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00023	.00190	.00020	.00124	.00038	.14363	.01785
SDev	.00057	.00012	.00186	.00011	.00023	.00003	.00017
%RSD	247.15	6.4119	931.67	8.7871	59.944	.01815	.96469
#1	.00017	.00181	-.00112	.00132	.00054	.14361	.01773
#2	-.00063	.00198	.00151	.00116	.00022	.14365	.01797
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.00037	.00320	.00592	5.3690			
SDev	.00036	.00040	.00006	.0040			
%RSD	96.774	12.578	1.0797	.07393			
#1	.00012	.00348	.00587	5.3718			
#2	.00063	.00291	.00596	5.3662			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	133801	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0031709	--	--	--	--	--	--
#1	133804	--	--	--	--	--	--
#2	133798	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/28/12 04:47:05  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.52121	51.015	.52109	.52460	.52168	.51086	25.861
SDev	.00163	.078	.00051	.00239	.00051	.00166	.099
%RSD	.31288	.15252	.09811	.45492	.09840	.32500	.38090
#1	.52005	50.960	.52145	.52291	.52131	.50968	25.791
#2	.52236	51.070	.52073	.52629	.52204	.51203	25.930
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.50743	.50639	.51043	.52408	25.594	52.222	25.762
SDev	.00153	.00139	.00139	.00124	.098	.148	.077
%RSD	.30260	.27467	.27209	.23579	.38231	.28373	.29861
#1	.50635	.50540	.50945	.52321	25.525	52.117	25.707
#2	.50852	.50737	.51141	.52496	25.663	52.327	25.816
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	5.2081	.50987	26.599	.50975	.50871	.51033	.52666
SDev	.0168	.00445	.052	.00231	.00103	.00130	.00304
%RSD	.32191	.87286	.19616	.45243	.20314	.25389	.57785
#1	5.1963	.50673	26.562	.50812	.50798	.50941	.52451
#2	5.2200	.51302	26.636	.51138	.50944	.51124	.52881
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.51296	.51081	.50986	.51158	.51037	.52098	.52745
SDev	.00315	.00310	.00121	.00311	.00296	.00097	.00125
%RSD	.61329	.60605	.23701	.60843	.57969	.18603	.23728
#1	.51074	.50862	.50901	.50938	.50828	.52030	.52656
#2	.51519	.51299	.51072	.51378	.51246	.52167	.52833
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Ti1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.51596	5.1466	.49663	.49419
SDev	.00101	.0115	.00202	.00325
%RSD	.19655	.22435	.40644	.65709

#1	.51524	5.1384	.49521	.49219
#2	.51668	5.1548	.49806	.49678

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	5.0000	.50000	.50000
Range	10.000	10.000	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	131248	--	--	--	--	--	--
SDev	270.8219	--	--	--	--	--	--
%RSD	.2063428	--	--	--	--	--	--
#1	131440	--	--	--	--	--	--
#2	131057	--	--	--	--	--	--

Method: P50127C Sample Name: CCB

Operator: TDS

Run Time: 01/28/12 04:53:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2196	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00039	.01007	.00068	.00223	.00032	.00008	.00200
SDev	.00008	.00036	.00054	.00006	.00001	.00001	.00105
%RSD	21.314	3.5638	78.596	2.7544	2.4818	14.148	52.725
#1	.00033	.01033	.00106	.00219	.00032	.00008	.00275
#2	.00045	.00982	.00030	.00227	.00033	.00007	.00125
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00013	.00019	.00011	.00019	.02328	.00473	.00437
SDev	.00028	.00005	.00044	.00015	.01525	.00837	.00141
%RSD	225.53	29.315	414.13	80.775	65.481	177.08	32.263
#1	-.00007	-.00015	-.00021	.00008	.03406	-.00119	.00537
#2	.00033	-.00022	.00042	.00029	.01250	.01065	.00337
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00028	-.00074	-.04129	.00004	.00050	-.00013	.00043
SDev	.00013	.00117	.00049	.00058	.00012	.00139	.00239
%RSD	45.519	157.69	1.1790	1391.5	24.549	1050.5	554.54
#1	.00037	-.00157	-.04095	-.00037	.00041	-.00111	-.00126
#2	.00019	.00009	-.04163	.00045	.00058	.00085	.00212
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00205	.00199	.00015	.00206	-.00035	.00078	.00015
SDev	.00280	.00054	.00097	.00129	.00138	.00001	.00012
%RSD	136.87	27.042	653.96	62.684	394.47	.66420	80.575
#1	.00403	.00237	-.00054	.00298	-.00133	.00077	.00006
#2	.00007	.00161	.00083	.00115	.00063	.00078	.00023
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avg	.00236	.00100	.00117	-.00787
SDev	.00078	.00012	.00013	.00046
%RSD	33.258	11.949	10.840	5.8340

#1	.00181	.00108	.00108	-.00819
#2	.00292	.00091	.00126	-.00754

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	134386	--	--	--	--	--	--
SDev	28.99138	--	--	--	--	--	--
%RSD	.0215733	--	--	--	--	--	--

#1	134365	--	--	--	--	--	--
#2	134406	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-4-A Operator: TDS  
 Run Time: 01/28/12 04:59:34  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	1.1960	.00008	.01576	.01796	.00013	1.9583
SDev	.00029	.0047	.00096	.00024	.00003	.00000	.0005
%RSD	1388.3	.39029	1207.7	1.5518	.14652	2.2303	.02556
#1	-.00019	1.1993	-.00060	.01559	.01794	.00013	1.9587
#2	.00023	1.1927	.00076	.01593	.01798	.00013	1.9580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	.00095	.01215	.00301	1.5952	2.0255	3.3246
SDev	.00026	.00015	.00027	.00016	.0043	.0062	.0017
%RSD	111.18	15.911	2.2218	5.2537	.27229	.30395	.05222
#1	.00005	.00084	.01196	.00290	1.5921	2.0299	3.3259
#2	.00041	.00106	.01234	.00312	1.5982	2.0212	3.3234
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04784	-.00130	1.6760	.02380	.00115	.00078	-.00040
SDev	.00001	.00054	.0038	.00039	.00035	.00063	.00083
%RSD	.02284	41.278	.22882	1.6572	30.618	81.276	206.30
#1	.04785	-.00168	1.6787	.02352	.00090	.00122	-.00099
#2	.04784	-.00092	1.6733	.02407	.00140	.00033	.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00162	.00270	.00096	.00131	-.00042	.01284	.04809
SDev	.00134	.00018	.00030	.00057	.00071	.00001	.00101
%RSD	82.982	6.7528	31.619	43.365	170.14	.08517	2.1057
#1	-.00067	.00283	.00117	.00172	-.00092	.01285	.04738
#2	-.00257	.00257	.00074	.00091	.00008	.01283	.04881
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.00073	.00410	.00647	5.1288			
SDev	.00136	.00006	.00009	.0104			
%RSD	185.58	1.3663	1.3796	.20272			
#1	.00169	.00414	.00641	5.1361			
#2	-.00023	.00406	.00653	5.1214			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	135276	--	--	--	--	--	--
SDev	108.1873	--	--	--	--	--	--
%RSD	.0799750	--	--	--	--	--	--
#1	135353	--	--	--	--	--	--
#2	135200	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-5-A Operator: TDS  
 Run Time: 01/28/12 05:05:47  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00024	.78167	.00119	.08872	.05461	.00007	19.171
SDev	.00024	.00223	.00171	.00049	.00004	.00001	.031
%RSD	98.796	.28556	143.00	.54839	.07240	11.973	.16125
#1	-.00007	.78325	.00240	.08906	.05458	.00007	19.193
#2	-.00041	.78009	-.00001	.08838	.05464	.00006	19.150
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00017	.00009	.00232	.00422	.61768	1.7016	13.622
SDev	.00009	.00018	.00012	.00022	.00402	.0027	.014
%RSD	52.056	197.65	4.9743	5.2125	.65106	.15626	.10574
#1	.00023	-.00004	.00240	.00437	.62052	1.6998	13.632
#2	.00011	.00022	.00224	.00406	.61484	1.7035	13.612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00831	-.00095	8.4262	.00637	-.00029	-.00002	-.00039
SDev	.00005	.00073	.0129	.00024	.00060	.00112	.00044
%RSD	.58499	77.604	.15277	3.7868	205.07	5723.7	111.76
#1	.00835	-.00043	8.4171	.00620	-.00072	.00077	-.00070
#2	.00828	-.00146	8.4353	.00654	.00013	-.00081	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00324	.00258	-.00005	.00069	.00008	.11446	.02242
SDev	.00013	.00195	.00055	.00134	.00100	.00022	.00026
%RSD	4.0779	75.557	1144.0	195.12	1252.3	.19256	1.1433
#1	-.00315	.00395	.00034	.00164	.00079	.11430	.02261
#2	-.00334	.00120	-.00044	-.00026	-.00063	.11461	.02224
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	-.00152	.00374	.00385	7.7535			
SDev	.00077	.00000	.00002	.0016			
%RSD	50.359	.11325	.59378	.02120			
#1	-.00098	.00374	.00387	7.7523			
#2	-.00206	.00374	.00384	7.7547			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	134575	--	--	--	--	--	--
SDev	59.39697	--	--	--	--	--	--
%RSD	.0441367	--	--	--	--	--	--
#1	134533	--	--	--	--	--	--
#2	134617	--	--	--	--	--	--

Method: P50127C Sample Name: 720-39964-B-6-A Operator: TDS  
 Run Time: 01/28/12 05:12:00  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba1934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00002	.95106	-.00006	.22954	.03453	.00009	21.522
SDev	.00011	.00472	.00013	.00062	.00008	.00002	.018
%RSD	578.63	.49629	218.29	.27018	.24246	18.499	.08573
#1	-.00006	.95439	.00003	.22998	.03459	.00010	21.509
#2	.00009	.94772	-.00015	.22910	.03447	.00008	21.535
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00017	.00025	.00358	.00365	.92850	2.0759	16.467
SDev	.00013	.00012	.00006	.00001	.00757	.0039	.006
%RSD	76.852	48.544	1.7444	.19728	.81558	.18603	.03516
#1	.00008	.00033	.00353	.00365	.92314	2.0731	16.462
#2	.00026	.00016	.00362	.00364	.93385	2.0786	16.471
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.04551	-.00002	10.644	.01071	.00055	-.00048	.00078
SDev	.00000	.00059	.001	.00006	.00051	.00088	.00025
%RSD	.00514	3240.8	.01339	.53056	91.705	184.23	32.105
#1	.04550	-.00044	10.643	.01067	.00091	.00014	.00096
#2	.04551	.00040	10.645	.01075	.00019	-.00110	.00060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00047	.00310	-.00007	.00196	-.00028	.17137	.03147
SDev	.00043	.00113	.00076	.00061	.00007	.00016	.00041
%RSD	91.805	36.446	1015.8	31.035	24.094	.09276	1.3000
#1	-.00078	.00390	.00046	.00239	-.00023	.17126	.03176
#2	-.00017	.00230	-.00061	.00153	-.00033	.17148	.03118
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	-.00060	.00424	.00748	4.9635			
SDev	.00009	.00000	.00009	.0022			
%RSD	14.787	.01984	1.2180	.04401			
#1	-.00054	.00424	.00755	4.9620			
#2	-.00066	.00424	.00742	4.9650			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	133822	--	--	--	--	--	--
SDev	106.7731	--	--	--	--	--	--
%RSD	.0797871	--	--	--	--	--	--
#1	133747	--	--	--	--	--	--
#2	133898	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43915-A-2-A Operator: TDS  
 Run Time: 01/28/12 05:18:14  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00006	2.6379	.00069	.74690	.01595	.00008	43.006
SDev	.00021	.0001	.00009	.00155	.00000	.00000	.074
%RSD	327.73	.00221	12.887	.20723	.01992	2.0308	.17241
#1	.00009	2.6379	.00062	.74799	.01594	.00008	43.058
#2	-.00022	2.6379	.00075	.74980	.01595	.00008	42.953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00040	.01778	.00122	.33946	.25539	43.379	21.932
SDev	.00008	.00014	.00040	.00060	.02023	.015	.029
%RSD	20.464	.81081	32.470	.17819	7.9213	.03549	.13376
#1	.00046	.01768	.00094	.33989	.24108	43.389	21.953
#2	.00034	.01789	.00150	.33903	.26969	43.368	21.911
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04528	.01001	S66.614	.07578	.00224	.00127	.00333
SDev	.00020	.00047	.109	.00026	.00216	.00066	.00060
%RSD	.44136	4.6823	.16404	.34707	96.444	51.997	18.062
#1	.04542	.00968	S66.692	.07596	.00071	.00174	.00291
#2	.04514	.01034	S66.537	.07559	.00376	.00080	.00376
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00113	.00355	.00166	.00280	.07827	1.6780	.00027
SDev	.00180	.00234	.00027	.00096	.00011	.0006	.00010
%RSD	159.44	65.944	16.423	34.338	.13620	.03583	38.271
#1	-.00014	.00521	.00147	.00348	.07819	1.6784	.00034
#2	.00240	.00190	.00185	.00212	.07835	1.6776	.00019
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm			
Avg	.00027	.00337	.08502	8.4317			
SDev	.00003	.00003	.00010	.0103			
%RSD	9.3468	.90423	.11219	.12237			
#1	.00025	.00335	.08509	8.4390			
#2	.00028	.00339	.08495	8.4244			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	126598	--	--	--	--	--	--
SDev	207.1823	--	--	--	--	--	--
%RSD	.1636530	--	--	--	--	--	--
#1	126452	--	--	--	--	--	--
#2	126745	--	--	--	--	--	--

Method: P50127C Sample Name: 43915-A-2-A SD @5 Operator: TDS
Run Time: 01/28/12 05:24:27
Comment:
Mode: CONC Corr. Factor: 1

Table with 8 columns: Elem, Units, Ag3280, Al3082, As1890, B\_2496, Ba4934, Be3130, Ca3179. Rows include Avg, SDev, %RSD values.

Table with 8 columns: #1, #2, and corresponding values for Ag, Al, As, B, Ba, Be, Ca.

Table with 8 columns: Errors, High, Low, and corresponding values for Ag, Al, As, B, Ba, Be, Ca.

Table with 8 columns: Elem, Units, Cd2265, Co2286, Cr2677, Cu3247, Fe2714, K\_7664, Mg2790. Rows include Avg, SDev, %RSD values.

Table with 8 columns: #1, #2, and corresponding values for Cd, Co, Cr, Cu, Fe, K, Mg.

Table with 8 columns: Errors, High, Low, and corresponding values for Cd, Co, Cr, Cu, Fe, K, Mg.

Table with 8 columns: Elem, Units, Mn2576, Mo2020, Na5889, Ni2316, 2203/1, 2203/2, Sb2068. Rows include Avg, SDev, %RSD values.

Table with 8 columns: #1, #2, and corresponding values for Mn, Mo, Na, Ni, 2203/1, 2203/2, Sb.

Table with 8 columns: Errors, High, Low, and corresponding values for Mn, Mo, Na, Ni, 2203/1, 2203/2, Sb.

Table with 8 columns: Elem, Units, 1960/1, 1960/2, Pb2203, Se1960, Sn1899, Sr4215, Ti3349. Rows include Avg, SDev, %RSD values.

Table with 8 columns: #1, #2, and corresponding values for 1960/1, 1960/2, Pb, Se, Sn, Sr, Ti.

Table with 8 columns: Errors, High, Low, and corresponding values for 1960/1, 1960/2, Pb, Se, Sn, Sr, Ti.

Table with 5 columns: Elem, Tl1908, V\_2924, Zn2062, Si2881.

Units	ppm	ppm	ppm	ppm
Avge	.00019	.00039	.01894	1.6746
SDev	.00030	.00054	.00020	.0040
%RSD	162.83	136.72	1.0492	.23817

#1	-.00003	.00001	.01908	1.6718
#2	.00040	.00077	.01880	1.6774

Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	131532	--	--	--	--	--	--
SDev	115.2584	--	--	--	--	--	--
%RSD	.0876273	--	--	--	--	--	--

#1	131614	--	--	--	--	--	--
#2	131451	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43915-A-2-B DU Operator: TDS  
 Run Time: 01/28/12 05:30:40  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B 2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.00023	2.6695	.00153	.75303	.01626	.00009	43.322
SDev	.00010	.0064	.00007	.00056	.00001	.00000	.086
%RSD	43.288	.24112	4.5921	.07423	.04945	2.3302	.19782
#1	-.00030	2.6740	.00157	.75343	.01627	.00009	43.383
#2	-.00016	2.6649	.00148	.75264	.01626	.00009	43.261
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00052	.01826	.00139	.34363	.25359	43.976	22.096
SDev	.00000	.00002	.00040	.00016	.01416	.050	.022
%RSD	.34616	.10052	28.469	.04546	5.5838	.11398	.09886
#1	.00052	.01825	.00111	.34374	.26360	43.940	22.112
#2	.00052	.01827	.00167	.34352	.24358	44.011	22.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.04566	.00917	S66.530	.07667	.00216	.00029	.00443
SDev	.00011	.00080	.102	.00013	.00075	.00056	.00052
%RSD	.24480	8.7529	.15321	.16993	34.572	192.83	11.668
#1	.04574	.00861	S66.602	.07676	.00269	-.00010	.00406
#2	.04559	.00974	S66.458	.07658	.00163	.00068	.00479
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.00300	.00283	.00097	.00294	.07933	1.6940	.00020
SDev	.00041	.00147	.00013	.00112	.00070	.0002	.00013
%RSD	13.590	52.167	13.019	38.064	.87807	.01254	63.621
#1	.00329	.00387	.00088	.00373	.07884	1.6942	.00030
#2	.00271	.00178	.00106	.00215	.07983	1.6939	.00011
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.00082	.00341	.08551	8.5124
SDev	.00016	.00016	.00040	.0080
%RSD	19.456	4.7259	.46731	.09369
#1	.00094	.00329	.08579	8.5181
#2	.00071	.00352	.08523	8.5068
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	126758	--	--	--	--	--	--
SDev	193.7473	--	--	--	--	--	--
%RSD	.1528487	--	--	--	--	--	--
#1	126621	--	--	--	--	--	--
#2	126895	--	--	--	--	--	--

Method: P50127C Sample Name: 500-43915-A-2-C MS Operator: TDS  
 Run Time: 01/28/12 05:36:53  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02466	3.7008	.05258	1.2485	.99873	.02410	47.707
SDev	.00059	.0019	.00018	.0009	.00116	.00003	.067
%RSD	2.3904	.05235	.33670	.07429	.11611	.13417	.13963
#1	.02424	3.6994	.05245	1.2491	.99955	.02412	47.660
#2	.02508	3.7021	.05270	1.2478	.99791	.02407	47.754
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02409	.25616	.09884	.46912	.73887	50.760	26.660
SDev	.00005	.00057	.00075	.00036	.02161	.025	.027
%RSD	.22167	.22082	.76173	.07696	2.9254	.04891	.10212
#1	.02405	.25576	.09830	.46937	.75415	50.777	26.641
#2	.02413	.25656	.09937	.46886	.72358	50.742	26.679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29520	.49153	\$66.436	.31324	.05235	.04952	.25802
SDev	.00004	.00263	.006	.00009	.00083	.00050	.00090
%RSD	.01306	.53472	.00893	.02943	1.5791	1.0096	.35068
#1	.29518	.48967	\$66.432	.31317	.05177	.04987	.25738
#2	.29523	.49339	\$66.440	.31330	.05294	.04917	.25866
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05310	.05191	.05054	.05237	.56926	2.1485	.48780
SDev	.00356	.00025	.00005	.00102	.00254	.0014	.00000
%RSD	6.6957	.47602	.10320	1.9487	.44651	.06357	.00065
#1	.05562	.05174	.05058	.05309	.56746	2.1494	.48780
#2	.05059	.05209	.05050	.05164	.57106	2.1475	.48780
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avge	.04626	.24699	.32039	10.759			
SDev	.00225	.00042	.00079	.001			
%RSD	4.8518	.17086	.21593	.01200			
#1	.04468	.24669	.31983	10.758			
#2	.04785	.24729	.32094	10.760			
Errors	LC Pass	LC Pass	LC Pass	LC Pass			
High	20.000	100.00	20.000	100.00			
Low	-.01000	-.00500	-.02000	-.20000			
IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avge	126937	--	--	--	--	--	--
SDev	11.31371	--	--	--	--	--	--
%RSD	.0089128	--	--	--	--	--	--
#1	126945	--	--	--	--	--	--
#2	126929	--	--	--	--	--	--

Method: P50127C Sample Name: 610-1257-A-1-A Operator: TDS  
 Run Time: 01/28/12 05:43:06  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Be4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00007	.06909	.00275	.06113	.02671	.00009	46.977
SDev	.00015	.00100	.00020	.00071	.00012	.00000	.150
%RSD	202.37	1.4435	7.1540	1.1533	.44020	3.3862	.31874
#1	-.00018	.06979	.00289	.06163	.02679	.00008	47.083
#2	.00003	.06838	.00261	.06064	.02663	.00009	46.871
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00015	.00039	.00282	.01166	.39583	101.59	52.563
SDev	.00018	.00019	.00034	.00019	.01473	.12	.156
%RSD	117.08	48.116	12.184	1.5935	3.7220	.11437	.29681
#1	.00028	.00026	.00257	.01179	.40625	101.51	52.673
#2	.00003	.00052	.00306	.01152	.38541	101.68	52.453
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	Zn203/1	Zn203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.06837	.00868	566.615	.00150	-.00021	.00062	-.00095
SDev	.00026	.00140	.276	.00035	.00335	.00202	.00117
%RSD	.37873	16.187	.41374	23.534	1581.1	326.77	123.59
#1	.06855	.00769	566.420	.00125	-.00258	.00205	-.00178
#2	.06818	.00967	566.810	.00175	.00215	-.00081	-.00012
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-.10000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00618	.00850	.00041	.00778	.00114	.09221	.00158
SDev	.00316	.00255	.00023	.00065	.00061	.00003	.00025
%RSD	51.210	30.020	55.242	8.3137	53.096	.03479	15.771
#1	.00394	.01031	.00057	.00824	.00157	.09223	.00175
#2	.00841	.00670	.00025	.00732	.00071	.09219	.00140
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.00124	.00334	.10458	12.281
SDev	.00009	.00058	.00064	.036
%RSD	6.9449	17.223	.61316	.29476
#1	.00118	.00294	.10503	12.307
#2	.00130	.00375	.10413	12.255
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	126598	--	--	--	--	--	--
SDev	522.5519	--	--	--	--	--	--
%RSD	.4127631	--	--	--	--	--	--
#1	126968	--	--	--	--	--	--
#2	126229	--	--	--	--	--	--

Method: P50127C Sample Name: 610-1262-A-1-B Operator: TDS  
 Run Time: 01/28/12 05:49:19  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00011	.02702	.00115	.42837	.03336	.00006	60.229
SDev	.00013	.00181	.00024	.00045	.00002	.00000	.094
%RSD	126.97	6.7055	20.557	.10576	.06257	6.6552	.15592
#1	-.00001	.02574	.00131	.42805	.03334	.00006	60.295
#2	-.00020	.02830	.00098	.42869	.03337	.00006	60.163
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00005	-.00031	.00090	.02493	.03959	7.8397	19.841
SDev	.00007	.00006	.00012	.00003	.00809	.0086	.016
%RSD	137.71	17.574	12.788	.11241	20.429	.10934	.07894
#1	.00010	-.00028	.00098	.02491	.04531	7.8336	19.852
#2	.00000	-.00035	.00082	.02495	.03387	7.8457	19.830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00250	.00020	H110.52	.00105	.00017	.00092	-.00010
SDev	.00003	.00043	.01	.00024	.00061	.00024	.00064
%RSD	1.1730	210.66	.00818	22.517	348.91	26.682	615.00
#1	.00248	-.00010	H110.51	.00122	.00060	.00109	-.00056
#2	.00252	.00051	H110.53	.00088	-.00026	.00074	.00035
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-.10000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3319
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00057	.00190	.00073	.00151	-.00050	.24946	.00096
SDev	.00014	.00088	.00036	.00064	.00055	.00008	.00047
%RSD	24.845	46.439	49.615	42.055	110.08	.03201	48.916
#1	.00068	.00252	.00098	.00196	-.00089	.24940	.00129
#2	.00047	.00128	.00047	.00106	-.00011	.24951	.00062
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avge	-.00086	.00126	.02719	3.9372
SDev	.00020	.00003	.00007	.0004
%RSD	23.425	2.7286	.25987	.01113
#1	-.00100	.00124	.02724	3.9369
#2	-.00072	.00129	.02714	3.9375
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

InlStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	131072	--	--	--	--	--	--
SDev	177.4838	--	--	--	--	--	--
%RSD	.1354099	--	--	--	--	--	--
#1	131197	--	--	--	--	--	--
#2	130946	--	--	--	--	--	--

Method: P50127C Sample Name: 610-1262-A-2-B Operator: TDS  
 Run Time: 01/28/12 05:55:32  
 Comment:  
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00028	.34047	.00321	8.9960	.02593	.00009	31.000
SDev	.00010	.00035	.00013	.0128	.00002	.00001	.109
%RSD	35.232	.10198	4.0396	.14247	.07068	14.202	.35151
#1	.00021	.34023	.00311	8.9869	.02592	.00008	30.923
#2	.00035	.34072	.00330	9.0050	.02594	.00010	31.077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	600.00	10.000	20.000	20.000	10.000	1000.0
Low	-.00500	-.20000	-.01000	-.05000	-.01000	-.00400	-.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00012	.00068	.01600	.22900	.96880	20.299	10.558
SDev	.00011	.00012	.00002	.00011	.00553	.007	.022
%RSD	92.623	18.290	.09692	.04616	.57119	.03444	.20465
#1	.00004	.00076	.01599	.22893	.97272	20.304	10.543
#2	.00020	.00059	.01601	.22908	.96489	20.294	10.574
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.000	50.000	50.000	20.000	1000.0	600.00	1000.0
Low	-.00200	-.00500	-.01000	-.01000	-.20000	-.50000	-.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01867	.00113	H133.98	.01151	.00767	.00581	.00252
SDev	.00007	.00084	.20	.00015	.00100	.00127	.00097
%RSD	.37830	74.517	.15291	1.3029	12.979	21.847	38.739
#1	.01862	.00053	H134.13	.01140	.00837	.00491	.00183
#2	.01872	.00173	H133.84	.01162	.00696	.00670	.00321
Errors	LC Pass	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	10.000	20.000	50.000	50.000			20.000
Low	-.01000	-.01000	-1.0000	-.01000			-.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Tl3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00869	.00990	.00651	.00955	.00270	.11747	.01023
SDev	.00101	.00084	.00051	.00022	.00088	.00002	.00009
%RSD	11.653	8.4683	7.9030	2.3177	32.568	.01471	.84024
#1	.00941	.00931	.00614	.00940	.00333	.11748	.01029
#2	.00798	.01049	.00687	.00971	.00208	.11746	.01017
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High			50.000	10.000	10.000	5.0000	5.0000
Low			-.00500	-.01000	-.04000	-.00500	-.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm
Avg	.00066	.00219	.12071	8.4376
SDev	.00052	.00023	.00061	.0027
%RSD	78.177	10.591	.50987	.03189
#1	.00030	.00203	.12027	8.4395
#2	.00103	.00236	.12114	8.4357
Errors	LC Pass	LC Pass	LC Pass	LC Pass
High	20.000	100.00	20.000	100.00
Low	-.01000	-.00500	-.02000	-.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	128416	--	--	--	--	--	--
SDev	254.5584	--	--	--	--	--	--
%RSD	.1982295	--	--	--	--	--	--
#1	128596	--	--	--	--	--	--
#2	128236	--	--	--	--	--	--

Method: P50127C Sample Name: CCV  
 Run Time: 01/28/12 06:06:15  
 Comment:  
 Mode: CONC Corr. Factor: 1

Operator: TDS

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.50068	49.594	.49759	.51206	.49285	.48530	24.809
SDev	.00141	.235	.00124	.00267	.00109	.00077	.048
%RSD	.28206	.47305	.24854	.52240	.22120	.15808	.19340
#1	.50168	49.760	.49671	.51396	.49362	.48585	24.843
#2	.49969	49.429	.49846	.51017	.49208	.48476	24.775
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	50.000	.50000	.50000	.50000	.50000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.48511	.48511	.48740	.50441	24.361	51.010	24.815
SDev	.00103	.00015	.00006	.00171	.018	.298	.051
%RSD	.21206	.03019	.01258	.33915	.07510	.58493	.20650
#1	.48584	.48522	.48744	.50562	24.374	51.221	24.851
#2	.48439	.48501	.48735	.50320	24.348	50.799	24.779
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	.50000	25.000	50.000	25.000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	4.9822	.48664	26.369	.48817	.48823	.49338	.50461
SDev	.0112	.00013	.173	.00050	.00386	.00029	.00119
%RSD	.22475	.02728	.65523	.10233	.79156	.05944	.23487
#1	4.9901	.48673	26.491	.48853	.49096	.49318	.50545
#2	4.9743	.48654	26.246	.48782	.48550	.49359	.50377
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	5.0000	.50000	25.000	.50000			.50000
Range	10.000	10.000	10.000	10.000			10.000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.49297	.49398	.49174	.49370	.48668	.49287	.50181
SDev	.00277	.00013	.00109	.00101	.00042	.00143	.00103
%RSD	.56137	.02586	.22227	.20414	.08653	.29101	.20556
#1	.49492	.49407	.49251	.49441	.48697	.49389	.50254
#2	.49101	.49389	.49097	.49299	.48638	.49186	.50108
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.50000	.50000	.50000	.50000	.50000
Range			10.000	10.000	10.000	10.000	10.000
Elem	Tl1908	V_2924	Zn2062	Si2881			

Units	ppm	ppm	ppm	ppm			
Avg	.47277	4.9087	.47752	.47800			
SDev	.01022	.0086	.00015	.00013			
%RSD	2.1618	.17456	.03239	.02704			
#1	.46554	4.9147	.47763	.47791			
#2	.48000	4.9026	.47741	.47809			
Errors	QC Pass	QC Pass	QC Pass	QC Pass			
Value	.50000	5.0000	.50000	.50000			
Range	10.000	10.000	10.000	10.000			
Inl.St.d	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	129966	--	--	--	--	--	--
SDev	533.8656	--	--	--	--	--	--
%RSD	.4107717	--	--	--	--	--	--
#1	129589	--	--	--	--	--	--
#2	130344	--	--	--	--	--	--

Method: P50127C Sample Name: CCB

Operator: TDS

Run Time: 01/28/12 06:12:30

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00021	.01021	-.00007	.00222	.00014	.00006	.00106
SDev	.00021	.00118	.00030	.00019	.00000	.00000	.00042
%RSD	101.41	11.530	447.57	8.5373	2.8156	5.2733	39.955
#1	.00036	.01104	.00014	.00209	.00013	.00006	.00136
#2	.00006	.00938	-.00028	.00235	.00014	.00006	.00076
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00500	.20000	.01000	.05000	.01000	.00400	.20000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K 7664	Mg2790
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	-.00025	-.00021	.00051	.00833	.00363	-.00009
SDev	.00005	.00001	.00012	.00002	.00788	.00004	.00209
%RSD	30.373	4.3900	54.103	4.3484	94.562	1.0039	2349.0
#1	.00014	-.00026	-.00030	.00050	.00276	.00365	.00139
#2	.00021	-.00024	-.00013	.00053	.01390	.00360	-.00157
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000	.00000	.00000	.00000
Range	.00200	.00500	.01000	.01000	.20000	.50000	.10000
Elem	Mn2576	Mo2020	Na5889	Ni2316	2203/1	2203/2	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00014	-.00046	-.02451	-.00015	-.00057	.00045	.00059
SDev	.00002	.00034	.00087	.00021	.00012	.00106	.00072
%RSD	13.497	73.116	3.5344	143.02	20.256	235.61	122.14
#1	.00015	-.00022	-.02390	-.00030	-.00065	-.00030	.00008
#2	.00013	-.00070	-.02513	.00000	-.00049	.00120	.00110
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass
Value	.00000	.00000	.00000	.00000			.00000
Range	.01000	.01000	1.0000	.01000			.02000
Elem	1960/1	1960/2	Pb2203	Se1960	Sn1899	Sr4215	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00173	.00194	.00019	.00192	-.00128	.00009	.00023
SDev	.00020	.00050	.00074	.00040	.00090	.00002	.00006
%RSD	11.512	26.006	401.26	20.936	70.066	17.991	27.539
#1	.00159	.00158	-.00034	.00164	-.00065	.00010	.00019
#2	.00187	.00229	.00071	.00220	-.00192	.00008	.00028
Errors	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value			.00000	.00000	.00000	.00000	.00000
Range			.00500	.01000	.04000	.00500	.00500
Elem	Tl1908	V_2924	Zn2062	Si2881			



Units	ppm	ppm	ppm	ppm
Avge	.00393	.00046	.00061	-.00578
SDev	.00194	.00009	.00004	.00098
%RSD	49.302	20.268	6.8650	16.871

#1	.00530	.00039	.00058	-.00509
#2	.00256	.00052	.00064	-.00647

Errors	QC Pass	QC Pass	QC Pass	QC Pass
Value	.00000	.00000	.00000	.00000
Range	.01000	.00500	.02000	.20000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	132684	--	--	--	--	--	--
SDev	77.07164	--	--	--	--	--	--
%RSD	.0580891	--	--	--	--	--	--

#1	132629	--	--	--	--	--	--
#2	132738	--	--	--	--	--	--

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 139296 Batch Start Date: 01/26/12 16:50 Batch Analyst: Jones, Paul

Batch Method: 3050B Batch End Date: 01/26/12 16:51

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	M11LSPKIC 00001			
MB 500-139296/1		3050B, 6010B		1 g	100 mL				
LCS 500-139296/2		3050B, 6010B		1 g	100 mL	1 mL			
510-74911-G-1	SB0058: TK14SW1:030040	3050B, 6010B	T	1.0290 g	100 mL				
510-74911-G-2	SB0058: TK14SW2:030040	3050B, 6010B	T	1.0476 g	100 mL				
510-74911-G-3	SB0058: TK14SW3:030040	3050B, 6010B	T	1.0382 g	100 mL				
510-74911-G-4	SB0058: TK14SW4:030040	3050B, 6010B	T	1.1590 g	100 mL				
510-74911-G-5	SB0058: TK14FLR1:050055	3050B, 6010B	T	1.1247 g	100 mL				
510-74911-G-6	SB0058: TK14FLR2:050055	3050B, 6010B	T	1.0299 g	100 mL				
510-74911-G-7	SB0058: TK14:Field Duplicate	3050B, 6010B	T	1.0063 g	100 mL				
510-74911-G-8	SB0058: TK14:Stockpile	3050B, 6010B	T	1.0963 g	100 mL				

METALS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 139296 Batch Start Date: 01/26/12 16:50 Batch Analyst: Jones, Paul

Batch Method: 3050B Batch End Date: 01/26/12 16:51

Batch Notes	
Analyst	PJ
Balance ID	C-1966
Blank Soil Lot Number	00001
First End time	1651
Filter Paper Lot Number	400012
Hydrogen peroxide lot number	K38A06
Lot # of hydrochloric acid	K43032
Lot # of Nitric Acid	K44022
Hood ID or number	3
Hot Block ID number	8
Oven, Bath or Block Temperature 1	90 Celsius
Oven, Bath or Block Temperature 2	90 Celsius
Pipette ID	1628
First Start time	1650
ID number of the thermometer	J59710
Digestion Tube/Cup Lot #	1107216

Basis	Basis Description
T	Total/NA

# **GENERAL CHEMISTRY**

COVER PAGE  
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso

Job Number: 510-74911-1

SDG No.: \_\_\_\_\_

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
<u>SB0058: TK14SW1:030040</u>	<u>510-74911-1</u>
<u>SB0058: TK14SW2:030040</u>	<u>510-74911-2</u>
<u>SB0058: TK14SW3:030040</u>	<u>510-74911-3</u>
<u>SB0058: TK14SW4:030040</u>	<u>510-74911-4</u>
<u>SB0058: TK14FLR1:050055</u>	<u>510-74911-5</u>
<u>SB0058: TK14FLR2:050055</u>	<u>510-74911-6</u>
<u>SB0058: TK14:Field Duplicate</u>	<u>510-74911-7</u>
<u>SB0058: TK14:Stockpile</u>	<u>510-74911-8</u>

Comments:

9-IN  
DETECTION LIMITS  
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso

Job Number: 510-74911-1

SDG Number: \_\_\_\_\_

Matrix: Solid

Instrument ID: NOEQUIP

Method: Moisture

RL Date: 11/15/2005 14:44

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	



GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-74911-1

SDG No.: \_\_\_\_\_

Batch Number: 92882 Batch Start Date: 01/25/12 16:48 Batch Analyst: Tran, Kevin

Batch Method: Moisture Batch End Date: \_\_\_\_\_

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
MB 510-92882/1		Moisture		1	0.9875 g	11.2032 g	0.9897 g		
510-74911-H-1	SB0058: TK14SW1:030040	Moisture	T	2	1.0227 g	11.4162 g	11.0198 g		
510-74911-H-1 DU	SB0058: TK14SW1:030040	Moisture	T	3	1.0225 g	11.6483 g	11.2952 g		
510-74911-H-2	SB0058: TK14SW2:030040	Moisture	T	4	1.0475 g	11.4090 g	10.8910 g		
510-74911-H-3	SB0058: TK14SW3:030040	Moisture	T	5	1.0271 g	11.5625 g	10.6755 g		
510-74911-H-4	SB0058: TK14SW4:030040	Moisture	T	6	1.0074 g	11.0783 g	10.5511 g		
510-74911-H-5	SB0058: TK14FLR1:050055	Moisture	T	7	0.9918 g	11.3571 g	10.9689 g		
510-74911-H-6	SB0058: TK14FLR2:050055	Moisture	T	8	1.0115 g	11.7731 g	11.1238 g		
510-74911-H-7	SB0058: TK14:Field Duplicate	Moisture	T	9	1.0361 g	11.3002 g	10.7532 g		
510-74911-H-8	SB0058: TK14:Stockpile	Moisture	T	10	1.0202 g	11.1019 g	10.5768 g		

Batch Notes	
Balance ID	p214-046004 No Unit
Date samples were placed in the oven	1/25/12
Oven Temp when samples are put in oven	103.7 Degrees C
Time samples were place in the oven	1710
Date samples were removed from oven	1/26/12
Oven Temp when samples removed from oven	103.2 Degrees C
Time Samples were removed from oven	1130
Oven ID	wc-ovn-4
ID number of the thermometer	14-986B-G
Uncorrected In Temperature	103.5 Celsius
Uncorrected Out Temperature	103.0 Celsius

Basis	Basis Description
T	Total/NA



# Shipping and Receiving Documents



## Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Login Number: 74911**

**List Source: TestAmerica Valparaiso**

**List Number: 1**

**Creator: Rainwater, Nicole L**

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

# Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-74911-1

**Login Number: 74911**  
**List Number: 1**  
**Creator: Kelsey, Shawn M**

**List Source: TestAmerica Chicago**  
**List Creation: 01/26/12 09:58 AM**

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