TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

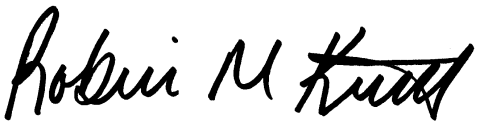
ANALYTICAL REPORT

Job Number: 510-69047-1

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
8/30/2011 2:05 PM

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Project Manager I
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08/30/2011

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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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Comments
No additional comments.

Receipt
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: The laboratory control sample (LCS) for batch 85489 exceeded control limits for the following analytes: Cyclohexane and Hexane. These analytes were biased high in the LCS but were not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The following sample was received with headspace in the sample vial: TRIP BLANK (510-69047-8). Batch 85489.

Method(s) 8260B: The laboratory control sample (LCS) for batch 85487 exceeded control limits for the following analytes: 1,1,1,2-Tetrachloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Isopropylbenzene, M+P Xylenes, N-Propylbenzene, Styrene, and Total Xylenes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 85487 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for batch 85568.

Method(s) 8260B: The following sample was received with headspace in the sample vial: TRIP BLANK (510-69047-8). Batch 85568.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C SIM: Internal standard responses were outside of acceptance limits for the following samples: EFS-1 (510-69047-5), ESW-1 (510-69047-2), FIELD DUPLICATE (510-69047-6), NSW-1 (510-69047-1), SSW-1 (510-69047-7), SSW-1 (510-69047-7 MS), SSW-1 (510-69047-7 MSD), WFS-1 (510-69047-4), WSW-1 (510-69047-3). The samples show evidence of matrix interference.

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 85491 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

GC VOA
Method(s) 8015B: Surrogate recovery for the following sample was outside control limits: SSW-1 (510-69047-7 MSD). The unspiked sample and the Matrix Spike were performed with similar results. All data has been reported.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The matrix spike duplicate (MSD) recovery for batch 85451 was outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8015B: The following samples were diluted due to the abundance of target analytes: EFS-1 (510-69047-5), FIELD DUPLICATE (510-69047-6), NSW-1 (510-69047-1), WFS-1 (510-69047-4). Elevated reporting limits (RLs) are provided. Batch 85451.

Method(s) 8015B: Due to the level of dilution required for the following samples, surrogate recoveries are not reported: EFS-1 (510-69047-5), FIELD DUPLICATE (510-69047-6), NSW-1 (510-69047-1), WFS-1 (510-69047-4). Batch 85451.

No other 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.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD005 510-85337/2 IC Client Sample ID:

Date Analyzed: 08/19/11 04:10 Lab File ID: E2751.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	2.14	Assign Peak	hobartw	08/19/11 08:12
Chloromethane	2.34	Assign Peak	hobartw	08/19/11 08:12
Vinyl chloride	2.46	Assign Peak	hobartw	08/19/11 08:12
Bromomethane	2.82	Assign Peak	hobartw	08/19/11 08:12
Chloroethane	2.95	Baseline	hobartw	08/19/11 08:37
Acrolein	3.66	Assign Peak	hobartw	08/19/11 08:12
Isopropyl ether	5.09	Assign Peak	hobartw	08/19/11 08:12
Methyl ethyl ketone (MEK)	5.65	Assign Peak	hobartw	08/19/11 08:12
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:54
n-Butanol	7.22	Assign Peak	hobartw	08/19/11 08:12
2-Chloroethyl vinyl ether	8.26	Assign Peak	hobartw	08/19/11 08:42
Chlorobenzene	10.69	Assign Peak	hobartw	08/19/11 08:12
Bromobenzene	12.48	Assign Peak	hobartw	08/19/11 08:12
1,3,5-Trimethylbenzene	12.89	Assign Peak	hobartw	08/19/11 08:12
1,4-Dichlorobenzene	13.96	Assign Peak	hobartw	08/19/11 08:12
1,2-Dibromo-3-Chloropropane	15.64	Assign Peak	hobartw	08/19/11 08:12
Hexachlorobutadiene	17.12	Assign Peak	hobartw	08/19/11 08:12
1,2,3-Trichlorobenzene	17.59	Assign Peak	hobartw	08/19/11 08:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD010 510-85337/3 IC Client Sample ID:

Date Analyzed: 08/19/11 04:44 Lab File ID: E2752.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.45	Assign Peak	hobartw	08/19/11 08:15
Acrolein	3.66	Assign Peak	hobartw	08/19/11 08:15
Isopropyl ether	5.09	Assign Peak	hobartw	08/19/11 08:15
Tetrahydrofuran	6.27	Assign Peak	hobartw	08/19/11 08:15
Bromobenzene	12.48	Assign Peak	hobartw	08/19/11 08:15
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	08/19/11 08:15
1,4-Dichlorobenzene	13.96	Assign Peak	hobartw	08/19/11 08:15
1,2-Dibromo-3-Chloropropane	15.64	Assign Peak	hobartw	08/19/11 08:15
Hexachlorobutadiene	17.12	Assign Peak	hobartw	08/19/11 08:15
1,2,3-Trichlorobenzene	17.59	Assign Peak	hobartw	08/19/11 08:15

Lab Sample ID: STD020 510-85337/4 IC Client Sample ID:

Date Analyzed: 08/19/11 05:19 Lab File ID: E2753.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl chloride	2.44	Assign Peak	hobartw	08/19/11 08:19
Bromomethane	2.81	Peak Tail	hobartw	08/19/11 08:19
Chloroethane	2.93	Assign Peak	hobartw	08/19/11 08:19
Isopropyl ether	5.09	Assign Peak	hobartw	08/19/11 08:19
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:41
1,2-Dichloroethane	6.62	Assign Peak	hobartw	08/19/11 08:19
1,2-Dichloropropane	7.60	Assign Peak	hobartw	08/19/11 08:19
Bromobenzene	12.48	Assign Peak	hobartw	08/19/11 08:19
1,3,5-Trimethylbenzene	12.89	Assign Peak	hobartw	08/19/11 08:19
1,4-Dichlorobenzene	13.96	Assign Peak	hobartw	08/19/11 08:19
1,2-Dibromo-3-Chloropropane	15.63	Assign Peak	hobartw	08/19/11 08:19
1,2,4-Trichlorobenzene	16.86	Assign Peak	hobartw	08/19/11 08:19
Hexachlorobutadiene	17.13	Assign Peak	hobartw	08/19/11 08:19
1,2,3-Trichlorobenzene	17.59	Assign Peak	hobartw	08/19/11 08:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD050 510-85337/5 ICIS Client Sample ID:

Date Analyzed: 08/19/11 05:54 Lab File ID: E2754.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.80	Peak Tail	hobartw	08/19/11 08:07
Isopropyl ether	5.09	Assign Peak	hobartw	08/19/11 08:07
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:40
Fluorobenzene	6.92	Assign Peak	hobartw	08/19/11 08:07
1,2-Dichloropropane	7.60	Assign Peak	hobartw	08/19/11 08:07
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	08/19/11 08:07

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD100 510-85337/6 IC Client Sample ID:

Date Analyzed: 08/19/11 06:29 Lab File ID: E2755.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.78	Peak Tail	hobartw	08/19/11 08:23
Isopropyl ether	5.09	Peak Tail	hobartw	08/19/11 08:23
Propionitrile	5.71	Peak Tail	hobartw	08/19/11 08:23
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:39
1,2-Dichloropropane	7.60	Peak Tail	hobartw	08/19/11 08:23
4-Bromofluorobenzene (Surr)	12.26	Assign Peak	hobartw	08/19/11 08:23
1,1,2,2-Tetrachloroethane	12.46	Peak Tail	hobartw	08/19/11 08:23
Bromobenzene	12.48	Peak Tail	hobartw	08/19/11 08:23
1,2,3-Trichloropropane	12.53	Peak Tail	hobartw	08/19/11 08:23
trans-1,4-Dichloro-2-butene	12.54	Peak Tail	hobartw	08/19/11 08:23
n-Propylbenzene	12.63	Peak Tail	hobartw	08/19/11 08:23
2-Chlorotoluene	12.76	Peak Tail	hobartw	08/19/11 08:23
1,3,5-Trimethylbenzene	12.88	Peak Tail	hobartw	08/19/11 08:23
4-Chlorotoluene	12.91	Peak Tail	hobartw	08/19/11 08:23
tert-Butylbenzene	13.35	Assign Peak	hobartw	08/19/11 08:23
1,2,4-Trimethylbenzene	13.42	Assign Peak	hobartw	08/19/11 08:23
sec-Butylbenzene	13.67	Assign Peak	hobartw	08/19/11 08:23
1,3-Dichlorobenzene	13.83	Assign Peak	hobartw	08/19/11 08:23
4-Isopropyltoluene	13.88	Assign Peak	hobartw	08/19/11 08:23
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hobartw	08/19/11 08:23
1,4-Dichlorobenzene	13.95	Assign Peak	hobartw	08/19/11 08:23
1,2,3-Trimethylbenzene	14.03	Assign Peak	hobartw	08/19/11 08:23
n-Butylbenzene	14.48	Assign Peak	hobartw	08/19/11 08:23
1,2-Dichlorobenzene	14.50	Assign Peak	hobartw	08/19/11 08:23
1,2-Dibromo-3-Chloropropane	15.63	Assign Peak	hobartw	08/19/11 08:23
1,2,4-Trichlorobenzene	16.87	Assign Peak	hobartw	08/19/11 08:23
Hexachlorobutadiene	17.12	Assign Peak	hobartw	08/19/11 08:23
Naphthalene	17.23	Assign Peak	hobartw	08/19/11 08:23
1,2,3-Trichlorobenzene	17.59	Assign Peak	hobartw	08/19/11 08:23

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD150 510-85337/7 IC Client Sample ID:

Date Analyzed: 08/19/11 07:04 Lab File ID: E2756.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.77	Peak Tail	hobartw	08/19/11 08:36
Chloroethane	2.88	Split Peak	hobartw	08/19/11 08:36
Isopropyl ether	5.09	Assign Peak	hobartw	08/19/11 08:36
Methyl ethyl ketone (MEK)	5.65	Assign Peak	hobartw	08/19/11 08:36
Propionitrile	5.71	Assign Peak	hobartw	08/19/11 08:36
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:37
1,2-Dichloropropane	7.60	Assign Peak	hobartw	08/19/11 08:36
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	08/19/11 08:36
4-Chlorotoluene	12.91	Assign Peak	hobartw	08/19/11 08:36
1,2,4-Trimethylbenzene	13.42	Assign Peak	hobartw	08/19/11 08:36
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hobartw	08/19/11 08:36
1,4-Dichlorobenzene	13.96	Assign Peak	hobartw	08/19/11 08:36
1,2,3-Trimethylbenzene	14.03	Assign Peak	hobartw	08/19/11 08:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85337

Lab Sample ID: STD200 510-85337/8 IC Client Sample ID:

Date Analyzed: 08/19/11 07:38 Lab File ID: E2757.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.77	Peak Tail	hobartw	08/19/11 09:28
Chloroethane	2.87	Peak Tail	hobartw	08/19/11 09:28
Iodomethane	3.92	Peak Tail	hobartw	08/19/11 09:28
Vinyl acetate	5.08	Assign Peak	hobartw	08/19/11 09:28
Propionitrile	5.71	Assign Peak	hobartw	08/19/11 09:28
Tetrahydrofuran	5.96	Assign Peak	hallj	08/20/11 09:35
1,2-Dichloropropane	7.60	Assign Peak	hobartw	08/19/11 09:28
1,3,5-Trimethylbenzene	12.89	Assign Peak	hobartw	08/19/11 09:28
4-Chlorotoluene	12.91	Assign Peak	hallj	08/20/11 09:35
1,2,4-Trimethylbenzene	13.42	Assign Peak	hobartw	08/19/11 09:28
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hobartw	08/19/11 09:28
1,4-Dichlorobenzene	13.96	Assign Peak	hobartw	08/19/11 09:28
1,2,3-Trimethylbenzene	14.03	Assign Peak	hobartw	08/19/11 09:28

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85487

Lab Sample ID: STD050 510-85487/5 Client Sample ID:

Date Analyzed: 08/23/11 05:45 Lab File ID: E2884.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bromomethane	2.79	Peak Tail	hobartw	08/23/11 07:16
Acrolein	3.65	Peak Tail	hobartw	08/23/11 07:16
Vinyl acetate	5.08	Peak Tail	hobartw	08/23/11 07:16
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 07:16
1,2-Dichloropropane	7.60	Peak Tail	hobartw	08/23/11 07:16
1,3,5-Trimethylbenzene	12.88	Peak Tail	hobartw	08/23/11 07:16

Lab Sample ID: LCS 510-85487/6 Client Sample ID:

Date Analyzed: 08/23/11 06:33 Lab File ID: E2885.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane	7.60	Assign Peak	hobartw	08/23/11 08:00
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	08/23/11 08:00

Lab Sample ID: MB 510-85487/8 Client Sample ID:

Date Analyzed: 08/23/11 07:53 Lab File ID: E2887.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	4.28	Split Peak	hobartw	08/23/11 09:27

Lab Sample ID: 510-69047-1 Client Sample ID: NSW-1

Date Analyzed: 08/23/11 09:37 Lab File ID: E2890.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethylbenzene	10.83	Split Peak	hobartw	08/23/11 11:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85487

Lab Sample ID: 510-69047-2 Client Sample ID:

Date Analyzed: 08/23/11 10:12 Lab File ID: E2891.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 11:51
Ethylbenzene	10.83	Split Peak	hobartw	08/23/11 11:51

Lab Sample ID: 510-69047-3 Client Sample ID:

Date Analyzed: 08/23/11 10:46 Lab File ID: E2892.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 12:22

Lab Sample ID: 510-69047-4 Client Sample ID:

Date Analyzed: 08/23/11 11:21 Lab File ID: E2893.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 12:48

Lab Sample ID: 510-69047-5 Client Sample ID:

Date Analyzed: 08/23/11 11:56 Lab File ID: E2894.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 13:22
1,3,5-Trimethylbenzene	12.87	Split Peak	hobartw	08/23/11 13:22

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 85487

Lab Sample ID: 510-69047-6 Client Sample ID: FIELD DUPLICATE

Date Analyzed: 08/23/11 12:30 Lab File ID: E2895.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methyl ethyl ketone (MEK)	5.66	Assign Peak	hobartw	08/23/11 13:59
Fluorobenzene	6.92	Assign Peak	hobartw	08/23/11 13:59
Tetrachloroethylene	9.57	Assign Peak	hobartw	08/23/11 13:59

Lab Sample ID: 510-69047-7 MS Client Sample ID: SSW-1 MS

Date Analyzed: 08/23/11 13:40 Lab File ID: E2897.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane	7.60	Assign Peak	hallj	08/24/11 08:45
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	08/24/11 08:45

Lab Sample ID: 510-69047-7 MSD Client Sample ID: SSW-1 MSD

Date Analyzed: 08/23/11 14:15 Lab File ID: E2898.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	08/24/11 08:46

Lab Sample ID: 510-69047-9 Client Sample ID:

Date Analyzed: 08/23/11 14:50 Lab File ID: E2899.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.92	Assign Peak	hallj	08/24/11 08:48
Ethylbenzene	10.84	Assign Peak	hallj	08/24/11 08:48

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85201

Lab Sample ID: STD002 510-85201/3 IC Client Sample ID:

Date Analyzed: 08/17/11 11:14 Lab File ID: A1897.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 11:46
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 11:46
Propionitrile	4.55	Assign Peak	hallj	08/17/11 11:46
Chlorobenzene	8.84	Assign Peak	hallj	08/17/11 11:46
Bromoform	9.78	Assign Peak	hallj	08/17/11 11:46
1,2,3-Trichloropropane	10.38	Assign Peak	hallj	08/17/11 11:46
trans-1,4-Dichloro-2-butene	10.41	Assign Peak	hallj	08/17/11 11:46
1,4-Dichlorobenzene	11.57	Assign Peak	hallj	08/17/11 11:46

Lab Sample ID: STD005 510-85201/4 IC Client Sample ID:

Date Analyzed: 08/17/11 11:46 Lab File ID: A1898.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 12:17
1,3-Butadiene	4.54	Assign Peak	hallj	08/17/11 12:17
Propionitrile	4.54	Assign Peak	hallj	08/17/11 12:17
Chlorobenzene	8.84	Assign Peak	hallj	08/17/11 12:17
1,4-Dichlorobenzene	11.58	Assign Peak	hallj	08/17/11 12:17

Lab Sample ID: STD010 510-85201/5 IC Client Sample ID:

Date Analyzed: 08/17/11 12:19 Lab File ID: A1899.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 12:56
Isopropyl ether	4.01	Assign Peak	hallj	08/17/11 12:56
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 12:56
Propionitrile	4.55	Assign Peak	hallj	08/17/11 12:56
1,4-Dichlorobenzene	11.58	Assign Peak	hallj	08/17/11 12:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85201

Lab Sample ID: STD050 510-85201/7 ICIS Client Sample ID:

Date Analyzed: 08/17/11 13:24 Lab File ID: A1901.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 14:44
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 14:44
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 14:44
Propionitrile	4.55	Assign Peak	hallj	08/17/11 14:44

Lab Sample ID: STD100 510-85201/8 IC Client Sample ID:

Date Analyzed: 08/17/11 13:56 Lab File ID: A1902.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 14:46
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 14:46
1,3-Butadiene	4.54	Assign Peak	hallj	08/17/11 14:46
Propionitrile	4.54	Assign Peak	hallj	08/17/11 14:46

Lab Sample ID: STD150 510-85201/9 IC Client Sample ID:

Date Analyzed: 08/17/11 14:28 Lab File ID: A1903.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 15:19
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 15:19
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 15:19

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85201

Lab Sample ID: STD200 510-85201/10 IC Client Sample ID:

Date Analyzed: 08/17/11 15:01 Lab File ID: A1904.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 15:52
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 15:52
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 15:52

Lab Sample ID: STD020 510-85201/14 IC Client Sample ID:

Date Analyzed: 08/17/11 17:07 Lab File ID: A1908.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/17/11 17:31
Isopropyl ether	4.02	Assign Peak	hallj	08/17/11 17:31
1,3-Butadiene	4.55	Assign Peak	hallj	08/17/11 17:31

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85489

Lab Sample ID: CCVIS 510-85489/2 Client Sample ID:

Date Analyzed: 08/23/11 08:38 Lab File ID: A2101.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/23/11 09:35
Isopropyl ether	4.02	Assign Peak	hallj	08/23/11 09:35
Butadiene	4.55	Assign Peak	hallj	08/23/11 09:35
Propionitrile	4.55	Assign Peak	hallj	08/23/11 09:35

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85568

Lab Sample ID: STD002 510-85568/3 IC Client Sample ID:

Date Analyzed: 08/24/11 12:27 Lab File ID: A2142.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.99	Assign Peak	hallj	08/24/11 14:13
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 14:13
Propionitrile	4.55	Assign Peak	hallj	08/24/11 14:13
Isobutanol	5.46	Assign Peak	hallj	08/24/11 14:13
Chlorobenzene	8.84	Assign Peak	hallj	08/24/11 14:13
1,4-Dichlorobenzene	11.58	Assign Peak	hallj	08/24/11 14:13

Lab Sample ID: STD005 510-85568/4 IC Client Sample ID:

Date Analyzed: 08/24/11 13:00 Lab File ID: A2143.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.99	Assign Peak	hallj	08/24/11 14:18
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 14:18
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 14:18
Propionitrile	4.55	Assign Peak	hallj	08/24/11 14:18
Chlorobenzene	8.84	Assign Peak	hallj	08/24/11 14:18
1,4-Dichlorobenzene	11.57	Assign Peak	hallj	08/24/11 14:18

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85568

Lab Sample ID: STD010 510-85568/5 IC Client Sample ID:

Date Analyzed: 08/24/11 13:34 Lab File ID: A2144.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.14	Assign Peak	hallj	08/24/11 14:19
Vinyl acetate	4.00	Assign Peak	hallj	08/24/11 14:19
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 14:19
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 14:19
Propionitrile	4.55	Assign Peak	hallj	08/24/11 14:19
n-Butanol	5.89	Baseline	hallj	08/24/11 16:10
1,4-Dichlorobenzene	11.58	Assign Peak	hallj	08/24/11 14:19

Lab Sample ID: STD020 510-85568/6 IC Client Sample ID:

Date Analyzed: 08/24/11 14:07 Lab File ID: A2145.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.14	Assign Peak	hallj	08/24/11 14:52
Vinyl acetate	4.00	Assign Peak	hallj	08/24/11 14:52
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 14:52
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 14:52
n-Butanol	5.89	Peak Tail	hallj	08/24/11 16:11

Lab Sample ID: STD050 510-85568/7 ICIS Client Sample ID:

Date Analyzed: 08/24/11 14:40 Lab File ID: A2146.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.14	Assign Peak	hallj	08/24/11 15:39
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 15:39
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 15:39
Propionitrile	4.55	Assign Peak	hallj	08/24/11 15:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 85568

Lab Sample ID: STD100 510-85568/8 IC Client Sample ID:

Date Analyzed: 08/24/11 15:14 Lab File ID: A2147.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/24/11 15:40
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 15:40
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 15:40
Propionitrile	4.55	Assign Peak	hallj	08/24/11 15:40

Lab Sample ID: STD150 510-85568/9 IC Client Sample ID:

Date Analyzed: 08/24/11 15:47 Lab File ID: A2148.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/24/11 16:08
Vinyl acetate	3.99	Assign Peak	hallj	08/24/11 16:08
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 16:08
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 16:08

Lab Sample ID: STD200 510-85568/10 IC Client Sample ID:

Date Analyzed: 08/24/11 16:20 Lab File ID: A2149.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	08/24/11 16:52
Vinyl acetate	3.99	Assign Peak	hallj	08/24/11 16:52
Isopropyl ether	4.02	Assign Peak	hallj	08/24/11 16:52
1,3-Butadiene	4.55	Assign Peak	hallj	08/24/11 16:52

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85359

Lab Sample ID: IC 510-85359/2 Client Sample ID:

Date Analyzed: 08/19/11 10:22 Lab File ID: C4921.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	4.05	Assign Peak	squiresb	08/19/11 11:06
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 11:06
Fluoranthene	9.30	Assign Peak	squiresb	08/19/11 11:06
Pyrene	9.51	Assign Peak	squiresb	08/19/11 11:06
Benzo[a]anthracene	10.59	Assign Peak	squiresb	08/19/11 11:06
Chrysene-d12	10.59	Assign Peak	squiresb	08/19/11 11:06
Chrysene	10.62	Assign Peak	squiresb	08/19/11 11:06
Benzo[b]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 13:54
Benzo[k]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 13:54
Benzo[a]pyrene	11.66	Assign Peak	squiresb	08/19/11 11:06
Indeno[1,2,3-cd]pyrene	12.44	Assign Peak	squiresb	08/19/11 11:06
Dibenz(a,h)anthracene	12.46	Assign Peak	squiresb	08/19/11 11:06
Benzo[g,h,i]perylene	12.60	Assign Peak	squiresb	08/19/11 11:06

Lab Sample ID: IC 510-85359/3 Client Sample ID:

Date Analyzed: 08/19/11 10:43 Lab File ID: C4922.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 11:07
Phenanthrene-d10	7.98	Assign Peak	squiresb	08/19/11 11:07
Chrysene-d12	10.59	Assign Peak	squiresb	08/19/11 11:07
Chrysene	10.61	Assign Peak	squiresb	08/19/11 11:07
Benzo[b]fluoranthene	11.42	Assign Peak	squiresb	08/19/11 11:07
Benzo[k]fluoranthene	11.44	Assign Peak	squiresb	08/19/11 11:07
Benzo[a]pyrene	11.65	Assign Peak	squiresb	08/19/11 11:07
Dibenz(a,h)anthracene	12.43	Assign Peak	squiresb	08/19/11 11:07
Benzo[g,h,i]perylene	12.58	Assign Peak	squiresb	08/19/11 11:07

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85359

Lab Sample ID: IC 510-85359/4 Client Sample ID:

Date Analyzed: 08/19/11 11:05 Lab File ID: C4923.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 11:25
Chrysene	10.61	Assign Peak	squiresb	08/19/11 11:25
Benzo[b]fluoranthene	11.42	Assign Peak	squiresb	08/19/11 11:25
Benzo[k]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 11:25
Dibenz(a,h)anthracene	12.45	Assign Peak	squiresb	08/19/11 11:25
Benzo[g,h,i]perylene	12.59	Assign Peak	squiresb	08/19/11 11:25

Lab Sample ID: IC 510-85359/5 Client Sample ID:

Date Analyzed: 08/19/11 11:26 Lab File ID: C4924.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 12:08
Chrysene	10.60	Assign Peak	squiresb	08/19/11 12:08
Benzo[b]fluoranthene	11.42	Assign Peak	squiresb	08/19/11 12:08
Benzo[k]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 12:08
Benzo[a]pyrene	11.66	Assign Peak	squiresb	08/19/11 12:08
Perylene-d12	11.71	Assign Peak	squiresb	08/19/11 12:08
Dibenz(a,h)anthracene	12.45	Assign Peak	squiresb	08/19/11 12:08
Benzo[g,h,i]perylene	12.60	Assign Peak	squiresb	08/19/11 12:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85359

Lab Sample ID: IC 510-85359/6 Client Sample ID:

Date Analyzed: 08/19/11 11:47 Lab File ID: C4925.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 12:09
Chrysene	10.60	Assign Peak	squiresb	08/19/11 12:09
Benzo[b]fluoranthene	11.42	Assign Peak	squiresb	08/19/11 12:09
Benzo[k]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 12:09
Benzo[a]pyrene	11.66	Assign Peak	squiresb	08/19/11 12:09
Perylene-d12	11.71	Assign Peak	squiresb	08/19/11 12:09
Dibenz(a,h)anthracene	12.44	Assign Peak	squiresb	08/19/11 12:09
Benzo[g,h,i]perylene	12.59	Assign Peak	squiresb	08/19/11 12:09

Lab Sample ID: IC 510-85359/7 ICIS Client Sample ID:

Date Analyzed: 08/19/11 12:08 Lab File ID: C4926.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.14	Assign Peak	squiresb	08/19/11 13:51
Fluorene	6.76	Assign Peak	squiresb	08/19/11 13:51
Benzo[a]anthracene	10.58	Assign Peak	squiresb	08/19/11 13:51
Chrysene	10.62	Assign Peak	squiresb	08/19/11 13:51
Benzo[b]fluoranthene	11.44	Assign Peak	squiresb	08/19/11 13:51
Benzo[k]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 13:51
Dibenz(a,h)anthracene	12.46	Assign Peak	squiresb	08/19/11 13:51
Benzo[g,h,i]perylene	12.61	Assign Peak	squiresb	08/19/11 13:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85359

Lab Sample ID: IC 510-85359/8 Client Sample ID:

Date Analyzed: 08/19/11 12:29 Lab File ID: C4927.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.16	Assign Peak	squiresb	08/19/11 13:52
Chrysene	10.62	Assign Peak	squiresb	08/19/11 13:52
Benzo[b]fluoranthene	11.44	Assign Peak	squiresb	08/19/11 13:52
Benzo[k]fluoranthene	11.46	Assign Peak	squiresb	08/19/11 13:52
Dibenz(a,h)anthracene	12.46	Assign Peak	squiresb	08/19/11 13:52
Benzo[g,h,i]perylene	12.61	Assign Peak	squiresb	08/19/11 13:52

Lab Sample ID: IC 510-85359/9 Client Sample ID:

Date Analyzed: 08/19/11 12:50 Lab File ID: C4928.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthylene	5.94	Assign Peak	squiresb	08/19/11 13:53
Acenaphthene	6.17	Assign Peak	squiresb	08/19/11 13:53
Fluorene	6.77	Assign Peak	squiresb	08/19/11 13:53
Chrysene	10.63	Assign Peak	squiresb	08/19/11 13:53
Benzo[b]fluoranthene	11.45	Assign Peak	squiresb	08/19/11 13:53
Benzo[k]fluoranthene	11.46	Assign Peak	squiresb	08/19/11 13:53
Perylene-d12	11.72	Assign Peak	squiresb	08/19/11 13:53
Dibenz(a,h)anthracene	12.48	Assign Peak	squiresb	08/19/11 13:53

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85539

Lab Sample ID: SSTD020 510-85539/2 Client Sample ID:

Date Analyzed: 08/23/11 15:10 Lab File ID: C4951.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	3.03	Assign Peak	squiresb	08/23/11 15:30
Acenaphthene	5.98	Assign Peak	squiresb	08/23/11 15:30
Benzo[b]fluoranthene	11.28	Assign Peak	squiresb	08/23/11 15:30
Benzo[k]fluoranthene	11.30	Assign Peak	squiresb	08/23/11 15:30
Dibenz(a,h)anthracene	12.27	Assign Peak	squiresb	08/23/11 15:30
Benzo[g,h,i]perylene	12.40	Assign Peak	squiresb	08/23/11 15:30

Lab Sample ID: LCS 510-85491/2-A Client Sample ID:

Date Analyzed: 08/23/11 16:00 Lab File ID: C4953.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.01	Assign Peak	squiresb	08/23/11 16:57
Benzo[b]fluoranthene	11.29	Assign Peak	squiresb	08/23/11 16:57
Benzo[k]fluoranthene	11.31	Assign Peak	squiresb	08/23/11 16:57
Dibenz(a,h)anthracene	12.28	Assign Peak	squiresb	08/23/11 16:57

Lab Sample ID: 510-69047-1 Client Sample ID:

Date Analyzed: 08/23/11 16:41 Lab File ID: C4955.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	10.47	Assign Peak	squiresb	08/23/11 17:01
Perylene-d12	11.57	Assign Peak	squiresb	08/23/11 17:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85539

Lab Sample ID: 510-69047-4 Client Sample ID:

Date Analyzed: 08/23/11 17:42 Lab File ID: C4958.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	10.47	Assign Peak	squiresb	08/24/11 09:12
Perylene-d12	11.57	Assign Peak	squiresb	08/24/11 09:12

Lab Sample ID: 510-69047-5 Client Sample ID:

Date Analyzed: 08/23/11 18:03 Lab File ID: C4959.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	10.45	Assign Peak	squiresb	08/24/11 09:12
Perylene-d12	11.56	Assign Peak	squiresb	08/24/11 09:12

Lab Sample ID: 510-69047-6 Client Sample ID:

Date Analyzed: 08/23/11 18:23 Lab File ID: C4960.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene-d12	10.45	Assign Peak	squiresb	08/24/11 09:13
Perylene-d12	11.56	Assign Peak	squiresb	08/24/11 09:13

Lab Sample ID: 510-69047-7 Client Sample ID: SSW-1

Date Analyzed: 08/23/11 18:43 Lab File ID: C4961.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	10.46	Assign Peak	squiresb	08/24/11 09:14
Chrysene	10.48	Assign Peak	squiresb	08/24/11 09:14
Benzo[k]fluoranthene	11.36	Assign Peak	squiresb	08/24/11 09:14
Perylene-d12	11.55	Assign Peak	squiresb	08/24/11 09:14

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 85539

Lab Sample ID: 510-69047-7 MS Client Sample ID: SSW-1 MS

Date Analyzed: 08/23/11 19:04 Lab File ID: C4962.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.01	Assign Peak	squiresb	08/24/11 09:15
Benzo[b]fluoranthene	11.29	Assign Peak	squiresb	08/24/11 09:15
Benzo[k]fluoranthene	11.31	Assign Peak	squiresb	08/24/11 09:15
Dibenz(a,h)anthracene	12.28	Assign Peak	squiresb	08/24/11 09:16

Lab Sample ID: 510-69047-7 MSD Client Sample ID: SSW-1 MSD

Date Analyzed: 08/23/11 19:24 Lab File ID: C4963.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acenaphthene	6.01	Assign Peak	squiresb	08/24/11 09:16
Chrysene	10.48	Assign Peak	squiresb	08/24/11 09:16
Benzo[b]fluoranthene	11.29	Assign Peak	squiresb	08/24/11 09:16
Benzo[k]fluoranthene	11.31	Assign Peak	squiresb	08/24/11 09:16
Perylene-d12	11.56	Assign Peak	squiresb	08/24/11 09:16
Dibenz(a,h)anthracene	12.28	Assign Peak	squiresb	08/24/11 09:16

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Instrument ID: INST13-14 Analysis Batch Number: 123594

Lab Sample ID: IC 500-123594/2 Client Sample ID:

Date Analyzed: 08/25/11 07:09 Lab File ID: 08251114_007.d GC Column: DB624 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Gasoline Range Organics (C6-C9)	13.63	Baseline Smoothing	estesw	08/26/11 01:40
C5-C12	14.74	Baseline Smoothing	estesw	08/26/11 01:40
Gasoline Range Organics (GRO) -C6-C12	15.52	Baseline Smoothing	estesw	08/26/11 01:40
Gasoline Range Organics (GRO) -C6-C10	16.26	Baseline Smoothing	estesw	08/26/11 01:40

SAMPLE SUMMARY

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-69047-1	NSW-1	Solid	08/18/2011 1300	08/19/2011 1400
510-69047-2	ESW-1	Solid	08/18/2011 1305	08/19/2011 1400
510-69047-3	WSW-1	Solid	08/18/2011 1310	08/19/2011 1400
510-69047-4	WFS-1	Solid	08/18/2011 1315	08/19/2011 1400
510-69047-5	EFS-1	Solid	08/18/2011 1320	08/19/2011 1400
510-69047-6	FIELD DUPLICATE	Solid	08/18/2011 1325	08/19/2011 1400
510-69047-7	SSW-1	Solid	08/18/2011 1335	08/19/2011 1400
510-69047-7MS	SSW-1	Solid	08/18/2011 1335	08/19/2011 1400
510-69047-7MSD	SSW-1	Solid	08/18/2011 1335	08/19/2011 1400
510-69047-8	TRIP BLANK	Water	08/18/2011 0000	08/19/2011 1400
510-69047-9	Sodium Bisulfate/Methanol Blank	Solid	08/18/2011 0000	08/19/2011 1400

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
510-69047-1	**NSW-1**					
Acetone		0.23		0.012	mg/Kg	8260B
Methyl ethyl ketone (MEK)		0.056		0.012	mg/Kg	8260B
C5-C12		0.13		0.018	mg/Kg	8015B
C8-C36		740		410	mg/Kg	8015B
Percent Moisture		3.9		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
510-69047-2	**ESW-1**					
Acetone		0.025		0.013	mg/Kg	8260B
C5-C12		0.081		0.019	mg/Kg	8015B
C8-C36		85		20	mg/Kg	8015B
Percent Moisture		3.6		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
510-69047-3	**WSW-1**					
Acetone		0.013		0.012	mg/Kg	8260B
C5-C12		0.046		0.018	mg/Kg	8015B
Percent Moisture		5.2		0.10	%	Moisture
Percent Solids		95		0.10	%	Moisture
510-69047-4	**WFS-1**					
Acetone		0.040		0.012	mg/Kg	8260B
C5-C12		0.091		0.018	mg/Kg	8015B
C8-C36		1000		410	mg/Kg	8015B
Percent Moisture		4.3		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
510-69047-5	**EFS-1**					
Acetone		0.034		0.012	mg/Kg	8260B
C5-C12		0.074		0.018	mg/Kg	8015B
C8-C36		180		100	mg/Kg	8015B
Percent Moisture		1.7		0.10	%	Moisture
Percent Solids		98		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
510-69047-6	**FIELD DUPLICATE**					
Acetone		0.030		0.012	mg/Kg	8260B
n-Hexane		0.0090		0.0061	mg/Kg	8260B
C5-C12		0.15		0.019	mg/Kg	8015B
C8-C36		170		100	mg/Kg	8015B
Percent Moisture		3.9		0.10	%	Moisture
Percent Solids		96		0.10	%	Moisture
510-69047-7	**SSW-1**					
Acetone		0.021		0.013	mg/Kg	8260B
n-Hexane		0.0079		0.0067	mg/Kg	8260B
Benzo[a]anthracene		0.11		0.021	mg/Kg	8270C SIM
Benzo[a]pyrene		0.088		0.021	mg/Kg	8270C SIM
Benzo[b]fluoranthene		0.17		0.021	mg/Kg	8270C SIM
Benzo[g,h,i]perylene		0.057		0.021	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.031		0.021	mg/Kg	8270C SIM
Chrysene		0.074		0.021	mg/Kg	8270C SIM
Fluoranthene		0.097		0.021	mg/Kg	8270C SIM
Pyrene		0.28		0.021	mg/Kg	8270C SIM
Indeno[1,2,3-cd]pyrene		0.078		0.021	mg/Kg	8270C SIM
Phenanthrene		0.050		0.021	mg/Kg	8270C SIM
C5-C12		0.16		0.017	mg/Kg	8015B
C8-C36		43		22	mg/Kg	8015B
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

METHOD SUMMARY

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Description	Lab Location	Method	Preparation Method
Matrix Solid			
Volatile Organic Compounds (GC/MS)	TAL VAL	SW846 8260B	
Closed System Purge and Trap	TAL VAL		SW846 5035
PAHs by GCMS (SIM)	TAL VAL	SW846 8270C SIM	
Automated Soxhlet Extraction	TAL VAL		SW846 3541
Indiana ERO	TAL VAL	SW846 8015B	
Automated Soxhlet Extraction	TAL VAL		SW846 3541
Percent Moisture	TAL VAL	EPA Moisture	
Gasoline Range Organics - (GC)	TAL CHI	SW846 8015B	
Closed System Purge and Trap	TAL CHI		SW846 5035
Matrix Water			
Volatile Organic Compounds (GC/MS)	TAL VAL	SW846 8260B	
Purge and Trap	TAL VAL		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: 510-69047-1

Method	Analyst	Analyst ID
SW846 8260B	Hall, Jennifer L	JLH
SW846 8260B	Hobart, Wes E	WEH
SW846 8270C SIM	Squires, William D	WDS
SW846 8015B	Estes, William R	WRE
SW846 8015B	Ivers, Catherine L	CLI
EPA Moisture	Hall, Jennifer L	JLH

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1 | Date Sampled: 08/18/2011 1300
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2890.D
Dilution:	1.0			Initial Weight/Volume:	31.860 g
Analysis Date:	08/23/2011 0937			Final Weight/Volume:	38.2220 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.23		0.012
Acrolein		<0.25		0.25
Benzene		<0.0062		0.0062
Bromodichloromethane		<0.0062		0.0062
Bromoform		<0.0062		0.0062
Bromomethane		<0.0062		0.0062
Carbon disulfide		<0.0062		0.0062
Carbon tetrachloride		<0.0062		0.0062
Chlorobenzene		<0.0062		0.0062
Chlorodibromomethane		<0.0062		0.0062
Chloroethane		<0.0062		0.0062
Chloroform		<0.0062		0.0062
Chloromethane		<0.0062		0.0062
cis-1,2-Dichloroethylene		<0.0062		0.0062
cis-1,3-Dichloropropene		<0.0062		0.0062
Cyclohexane		<0.0062		0.0062
1,2-Dibromoethane		<0.0062		0.0062
1,1-Dichlorethylene		<0.0062		0.0062
1,1-Dichloroethane		<0.0062		0.0062
1,2-Dichloroethane		<0.0062		0.0062
1,2-Dichloropropane		<0.0062		0.0062
1,3-Dichloropropene, Total		<0.012		0.012
Ethyl acetate		<0.0062		0.0062
Ethylbenzene		<0.0062		0.0062
Iodomethane		<0.012		0.012
Isopropylbenzene		<0.0062	*	0.0062
Methyl acetate		<0.0062		0.0062
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0062		0.0062
Methylene Chloride		<0.0062		0.0062
Methyl ethyl ketone (MEK)		0.056		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0062		0.0062
n-Butanol		<0.12		0.12
n-Hexane		<0.0062		0.0062
n-Propylbenzene		<0.0062	*	0.0062
Styrene		<0.0062	*	0.0062
1,1,1,2-Tetrachloroethane		<0.0062	*	0.0062
1,1,2,2-Tetrachloroethane		<0.0062		0.0062
Tetrachloroethylene		<0.0062		0.0062
Toluene		<0.0062		0.0062
trans-1,2-Dichloroethylene		<0.0062		0.0062
trans-1,3-Dichloropropene		<0.0062		0.0062
1,1,1-Trichloroethane		<0.0062		0.0062
1,1,2-Trichloroethane		<0.0062		0.0062
Trichloroethene		<0.0062		0.0062

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1 | Date Sampled: 08/18/2011 1300
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2890.D
Dilution:	1.0			Initial Weight/Volume:	31.860 g
Analysis Date:	08/23/2011 0937			Final Weight/Volume:	38.2220 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0062		0.0062
1,2,4-Trimethylbenzene		<0.0062	*	0.0062
1,3,5-Trimethylbenzene		<0.0062	*	0.0062
Vinyl acetate		<0.0062		0.0062
Vinyl chloride		<0.0062		0.0062
Xylenes, Total		<0.012	*	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	108		50 - 150
1,2-Dichloroethane-d4 (Surr)	127		76 - 137
Toluene-d8 (Surr)	89		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2 | Date Sampled: 08/18/2011 1305
Client Matrix: Solid | % Moisture: 3.6 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2891.D
Dilution:	1.0			Initial Weight/Volume:	32.092 g
Analysis Date:	08/23/2011 1012			Final Weight/Volume:	39.4728 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.025		0.013
Acrolein		<0.26		0.26
Benzene		<0.0064		0.0064
Bromodichloromethane		<0.0064		0.0064
Bromoform		<0.0064		0.0064
Bromomethane		<0.0064		0.0064
Carbon disulfide		<0.0064		0.0064
Carbon tetrachloride		<0.0064		0.0064
Chlorobenzene		<0.0064		0.0064
Chlorodibromomethane		<0.0064		0.0064
Chloroethane		<0.0064		0.0064
Chloroform		<0.0064		0.0064
Chloromethane		<0.0064		0.0064
cis-1,2-Dichloroethylene		<0.0064		0.0064
cis-1,3-Dichloropropene		<0.0064		0.0064
Cyclohexane		<0.0064		0.0064
1,2-Dibromoethane		<0.0064		0.0064
1,1-Dichlorethylene		<0.0064		0.0064
1,1-Dichloroethane		<0.0064		0.0064
1,2-Dichloroethane		<0.0064		0.0064
1,2-Dichloropropane		<0.0064		0.0064
1,3-Dichloropropene, Total		<0.013		0.013
Ethyl acetate		<0.0064		0.0064
Ethylbenzene		<0.0064		0.0064
Iodomethane		<0.013		0.013
Isopropylbenzene		<0.0064	*	0.0064
Methyl acetate		<0.0064		0.0064
Methyl Butyl Ketone (2-Hexanone)		<0.013		0.013
Methylcyclohexane		<0.0064		0.0064
Methylene Chloride		<0.0064		0.0064
Methyl ethyl ketone (MEK)		<0.013		0.013
4-Methyl-2-pentanone (MIBK)		<0.013		0.013
Methyl tert-butyl ether		<0.0064		0.0064
n-Butanol		<0.13		0.13
n-Hexane		<0.0064		0.0064
n-Propylbenzene		<0.0064	*	0.0064
Styrene		<0.0064	*	0.0064
1,1,1,2-Tetrachloroethane		<0.0064	*	0.0064
1,1,2,2-Tetrachloroethane		<0.0064		0.0064
Tetrachloroethylene		<0.0064		0.0064
Toluene		<0.0064		0.0064
trans-1,2-Dichloroethylene		<0.0064		0.0064
trans-1,3-Dichloropropene		<0.0064		0.0064
1,1,1-Trichloroethane		<0.0064		0.0064
1,1,2-Trichloroethane		<0.0064		0.0064
Trichloroethene		<0.0064		0.0064

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2 | Date Sampled: 08/18/2011 1305
Client Matrix: Solid | % Moisture: 3.6 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2891.D
Dilution:	1.0			Initial Weight/Volume:	32.092 g
Analysis Date:	08/23/2011 1012			Final Weight/Volume:	39.4728 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0064		0.0064
1,2,4-Trimethylbenzene		<0.0064	*	0.0064
1,3,5-Trimethylbenzene		<0.0064	*	0.0064
Vinyl acetate		<0.0064		0.0064
Vinyl chloride		<0.0064		0.0064
Xylenes, Total		<0.013	*	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	103		50 - 150
1,2-Dichloroethane-d4 (Surr)	131		76 - 137
Toluene-d8 (Surr)	91		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3 | Date Sampled: 08/18/2011 1310
Client Matrix: Solid | % Moisture: 5.2 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2892.D
Dilution:	1.0			Initial Weight/Volume:	32.045 g
Analysis Date:	08/23/2011 1046			Final Weight/Volume:	37.2907 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.013		0.012
Acrolein		<0.25		0.25
Benzene		<0.0061		0.0061
Bromodichloromethane		<0.0061		0.0061
Bromoform		<0.0061		0.0061
Bromomethane		<0.0061		0.0061
Carbon disulfide		<0.0061		0.0061
Carbon tetrachloride		<0.0061		0.0061
Chlorobenzene		<0.0061		0.0061
Chlorodibromomethane		<0.0061		0.0061
Chloroethane		<0.0061		0.0061
Chloroform		<0.0061		0.0061
Chloromethane		<0.0061		0.0061
cis-1,2-Dichloroethylene		<0.0061		0.0061
cis-1,3-Dichloropropene		<0.0061		0.0061
Cyclohexane		<0.0061		0.0061
1,2-Dibromoethane		<0.0061		0.0061
1,1-Dichlorethylene		<0.0061		0.0061
1,1-Dichloroethane		<0.0061		0.0061
1,2-Dichloroethane		<0.0061		0.0061
1,2-Dichloropropane		<0.0061		0.0061
1,3-Dichloropropene, Total		<0.012		0.012
Ethyl acetate		<0.0061		0.0061
Ethylbenzene		<0.0061		0.0061
Iodomethane		<0.012		0.012
Isopropylbenzene		<0.0061	*	0.0061
Methyl acetate		<0.0061		0.0061
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0061		0.0061
Methylene Chloride		<0.0061		0.0061
Methyl ethyl ketone (MEK)		<0.012		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0061		0.0061
n-Butanol		<0.12		0.12
n-Hexane		<0.0061		0.0061
n-Propylbenzene		<0.0061	*	0.0061
Styrene		<0.0061	*	0.0061
1,1,1,2-Tetrachloroethane		<0.0061	*	0.0061
1,1,2,2-Tetrachloroethane		<0.0061		0.0061
Tetrachloroethylene		<0.0061		0.0061
Toluene		<0.0061		0.0061
trans-1,2-Dichloroethylene		<0.0061		0.0061
trans-1,3-Dichloropropene		<0.0061		0.0061
1,1,1-Trichloroethane		<0.0061		0.0061
1,1,2-Trichloroethane		<0.0061		0.0061
Trichloroethene		<0.0061		0.0061

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3 | Date Sampled: 08/18/2011 1310
Client Matrix: Solid | % Moisture: 5.2 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2892.D
Dilution:	1.0			Initial Weight/Volume:	32.045 g
Analysis Date:	08/23/2011 1046			Final Weight/Volume:	37.2907 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0061		0.0061
1,2,4-Trimethylbenzene		<0.0061	*	0.0061
1,3,5-Trimethylbenzene		<0.0061	*	0.0061
Vinyl acetate		<0.0061		0.0061
Vinyl chloride		<0.0061		0.0061
Xylenes, Total		<0.012	*	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	100		50 - 150
1,2-Dichloroethane-d4 (Surr)	134		76 - 137
Toluene-d8 (Surr)	91		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4 | Date Sampled: 08/18/2011 1315
Client Matrix: Solid | % Moisture: 4.3 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2893.D
Dilution:	1.0			Initial Weight/Volume:	32.099 g
Analysis Date:	08/23/2011 1121			Final Weight/Volume:	36.8285 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.040		0.012
Acrolein		<0.24		0.24
Benzene		<0.0060		0.0060
Bromodichloromethane		<0.0060		0.0060
Bromoform		<0.0060		0.0060
Bromomethane		<0.0060		0.0060
Carbon disulfide		<0.0060		0.0060
Carbon tetrachloride		<0.0060		0.0060
Chlorobenzene		<0.0060		0.0060
Chlorodibromomethane		<0.0060		0.0060
Chloroethane		<0.0060		0.0060
Chloroform		<0.0060		0.0060
Chloromethane		<0.0060		0.0060
cis-1,2-Dichloroethylene		<0.0060		0.0060
cis-1,3-Dichloropropene		<0.0060		0.0060
Cyclohexane		<0.0060		0.0060
1,2-Dibromoethane		<0.0060		0.0060
1,1-Dichlorethylene		<0.0060		0.0060
1,1-Dichloroethane		<0.0060		0.0060
1,2-Dichloroethane		<0.0060		0.0060
1,2-Dichloropropane		<0.0060		0.0060
1,3-Dichloropropene, Total		<0.012		0.012
Ethyl acetate		<0.0060		0.0060
Ethylbenzene		<0.0060		0.0060
Iodomethane		<0.012		0.012
Isopropylbenzene		<0.0060	*	0.0060
Methyl acetate		<0.0060		0.0060
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0060		0.0060
Methylene Chloride		<0.0060		0.0060
Methyl ethyl ketone (MEK)		<0.012		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0060		0.0060
n-Butanol		<0.12		0.12
n-Hexane		<0.0060		0.0060
n-Propylbenzene		<0.0060	*	0.0060
Styrene		<0.0060	*	0.0060
1,1,1,2-Tetrachloroethane		<0.0060	*	0.0060
1,1,2,2-Tetrachloroethane		<0.0060		0.0060
Tetrachloroethylene		<0.0060		0.0060
Toluene		<0.0060		0.0060
trans-1,2-Dichloroethylene		<0.0060		0.0060
trans-1,3-Dichloropropene		<0.0060		0.0060
1,1,1-Trichloroethane		<0.0060		0.0060
1,1,2-Trichloroethane		<0.0060		0.0060
Trichloroethene		<0.0060		0.0060

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4 | Date Sampled: 08/18/2011 1315
Client Matrix: Solid | % Moisture: 4.3 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2893.D
Dilution:	1.0			Initial Weight/Volume:	32.099 g
Analysis Date:	08/23/2011 1121			Final Weight/Volume:	36.8285 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0060		0.0060
1,2,4-Trimethylbenzene		<0.0060	*	0.0060
1,3,5-Trimethylbenzene		<0.0060	*	0.0060
Vinyl acetate		<0.0060		0.0060
Vinyl chloride		<0.0060		0.0060
Xylenes, Total		<0.012	*	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	106		50 - 150
1,2-Dichloroethane-d4 (Surr)	133		76 - 137
Toluene-d8 (Surr)	90		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **EFS-1**

Lab Sample ID: 510-69047-5 | Date Sampled: 08/18/2011 1320
Client Matrix: Solid | % Moisture: 1.7 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2894.D
Dilution:	1.0			Initial Weight/Volume:	31.975 g
Analysis Date:	08/23/2011 1156			Final Weight/Volume:	37.7839 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.034		0.012
Acrolein		<0.24		0.24
Benzene		<0.0060		0.0060
Bromodichloromethane		<0.0060		0.0060
Bromoform		<0.0060		0.0060
Bromomethane		<0.0060		0.0060
Carbon disulfide		<0.0060		0.0060
Carbon tetrachloride		<0.0060		0.0060
Chlorobenzene		<0.0060		0.0060
Chlorodibromomethane		<0.0060		0.0060
Chloroethane		<0.0060		0.0060
Chloroform		<0.0060		0.0060
Chloromethane		<0.0060		0.0060
cis-1,2-Dichloroethylene		<0.0060		0.0060
cis-1,3-Dichloropropene		<0.0060		0.0060
Cyclohexane		<0.0060		0.0060
1,2-Dibromoethane		<0.0060		0.0060
1,1-Dichlorethylene		<0.0060		0.0060
1,1-Dichloroethane		<0.0060		0.0060
1,2-Dichloroethane		<0.0060		0.0060
1,2-Dichloropropane		<0.0060		0.0060
1,3-Dichloropropene, Total		<0.012		0.012
Ethyl acetate		<0.0060		0.0060
Ethylbenzene		<0.0060		0.0060
Iodomethane		<0.012		0.012
Isopropylbenzene		<0.0060	*	0.0060
Methyl acetate		<0.0060		0.0060
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0060		0.0060
Methylene Chloride		<0.0060		0.0060
Methyl ethyl ketone (MEK)		<0.012		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0060		0.0060
n-Butanol		<0.12		0.12
n-Hexane		<0.0060		0.0060
n-Propylbenzene		<0.0060	*	0.0060
Styrene		<0.0060	*	0.0060
1,1,1,2-Tetrachloroethane		<0.0060	*	0.0060
1,1,2,2-Tetrachloroethane		<0.0060		0.0060
Tetrachloroethylene		<0.0060		0.0060
Toluene		<0.0060		0.0060
trans-1,2-Dichloroethylene		<0.0060		0.0060
trans-1,3-Dichloropropene		<0.0060		0.0060
1,1,1-Trichloroethane		<0.0060		0.0060
1,1,2-Trichloroethane		<0.0060		0.0060
Trichloroethene		<0.0060		0.0060

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: EFS-1

Lab Sample ID: 510-69047-5 | Date Sampled: 08/18/2011 1320
Client Matrix: Solid | % Moisture: 1.7 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2894.D
Dilution:	1.0			Initial Weight/Volume:	31.975 g
Analysis Date:	08/23/2011 1156			Final Weight/Volume:	37.7839 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0060		0.0060
1,2,4-Trimethylbenzene		<0.0060	*	0.0060
1,3,5-Trimethylbenzene		<0.0060	*	0.0060
Vinyl acetate		<0.0060		0.0060
Vinyl chloride		<0.0060		0.0060
Xylenes, Total		<0.012	*	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	111		50 - 150
1,2-Dichloroethane-d4 (Surr)	135		76 - 137
Toluene-d8 (Surr)	87		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **FIELD DUPLICATE**

Lab Sample ID: 510-69047-6 | Date Sampled: 08/18/2011 1325
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2895.D
Dilution:	1.0			Initial Weight/Volume:	31.639 g
Analysis Date:	08/23/2011 1230			Final Weight/Volume:	37.1257 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.030		0.012
Acrolein		<0.24		0.24
Benzene		<0.0061		0.0061
Bromodichloromethane		<0.0061		0.0061
Bromoform		<0.0061		0.0061
Bromomethane		<0.0061		0.0061
Carbon disulfide		<0.0061		0.0061
Carbon tetrachloride		<0.0061		0.0061
Chlorobenzene		<0.0061		0.0061
Chlorodibromomethane		<0.0061		0.0061
Chloroethane		<0.0061		0.0061
Chloroform		<0.0061		0.0061
Chloromethane		<0.0061		0.0061
cis-1,2-Dichloroethylene		<0.0061		0.0061
cis-1,3-Dichloropropene		<0.0061		0.0061
Cyclohexane		<0.0061		0.0061
1,2-Dibromoethane		<0.0061		0.0061
1,1-Dichlorethylene		<0.0061		0.0061
1,1-Dichloroethane		<0.0061		0.0061
1,2-Dichloroethane		<0.0061		0.0061
1,2-Dichloropropane		<0.0061		0.0061
1,3-Dichloropropene, Total		<0.012		0.012
Ethyl acetate		<0.0061		0.0061
Ethylbenzene		<0.0061		0.0061
Iodomethane		<0.012		0.012
Isopropylbenzene		<0.0061	*	0.0061
Methyl acetate		<0.0061		0.0061
Methyl Butyl Ketone (2-Hexanone)		<0.012		0.012
Methylcyclohexane		<0.0061		0.0061
Methylene Chloride		<0.0061		0.0061
Methyl ethyl ketone (MEK)		<0.012		0.012
4-Methyl-2-pentanone (MIBK)		<0.012		0.012
Methyl tert-butyl ether		<0.0061		0.0061
n-Butanol		<0.12		0.12
n-Hexane		0.0090		0.0061
n-Propylbenzene		<0.0061	*	0.0061
Styrene		<0.0061	*	0.0061
1,1,1,2-Tetrachloroethane		<0.0061	*	0.0061
1,1,2,2-Tetrachloroethane		<0.0061		0.0061
Tetrachloroethylene		<0.0061		0.0061
Toluene		<0.0061		0.0061
trans-1,2-Dichloroethylene		<0.0061		0.0061
trans-1,3-Dichloropropene		<0.0061		0.0061
1,1,1-Trichloroethane		<0.0061		0.0061
1,1,2-Trichloroethane		<0.0061		0.0061
Trichloroethene		<0.0061		0.0061

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **FIELD DUPLICATE**

Lab Sample ID: 510-69047-6 | Date Sampled: 08/18/2011 1325
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2895.D
Dilution:	1.0			Initial Weight/Volume:	31.639 g
Analysis Date:	08/23/2011 1230			Final Weight/Volume:	37.1257 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0061		0.0061
1,2,4-Trimethylbenzene		<0.0061	*	0.0061
1,3,5-Trimethylbenzene		<0.0061	*	0.0061
Vinyl acetate		<0.0061		0.0061
Vinyl chloride		<0.0061		0.0061
Xylenes, Total		<0.012	*	0.012

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	110		50 - 150
1,2-Dichloroethane-d4 (Surr)	131		76 - 137
Toluene-d8 (Surr)	88		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7 | Date Sampled: 08/18/2011 1335
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2896.D
Dilution:	1.0			Initial Weight/Volume:	31.945 g
Analysis Date:	08/23/2011 1305			Final Weight/Volume:	38.5891 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.021		0.013
Acrolein		<0.27		0.27
Benzene		<0.0067		0.0067
Bromodichloromethane		<0.0067		0.0067
Bromoform		<0.0067		0.0067
Bromomethane		<0.0067		0.0067
Carbon disulfide		<0.0067		0.0067
Carbon tetrachloride		<0.0067		0.0067
Chlorobenzene		<0.0067		0.0067
Chlorodibromomethane		<0.0067		0.0067
Chloroethane		<0.0067		0.0067
Chloroform		<0.0067		0.0067
Chloromethane		<0.0067		0.0067
cis-1,2-Dichloroethylene		<0.0067		0.0067
cis-1,3-Dichloropropene		<0.0067		0.0067
Cyclohexane		<0.0067		0.0067
1,2-Dibromoethane		<0.0067		0.0067
1,1-Dichlorethylene		<0.0067		0.0067
1,1-Dichloroethane		<0.0067		0.0067
1,2-Dichloroethane		<0.0067		0.0067
1,2-Dichloropropane		<0.0067		0.0067
1,3-Dichloropropene, Total		<0.013		0.013
Ethyl acetate		<0.0067		0.0067
Ethylbenzene		<0.0067		0.0067
Iodomethane		<0.013		0.013
Isopropylbenzene		<0.0067	*	0.0067
Methyl acetate		<0.0067		0.0067
Methyl Butyl Ketone (2-Hexanone)		<0.013		0.013
Methylcyclohexane		<0.0067		0.0067
Methylene Chloride		<0.0067		0.0067
Methyl ethyl ketone (MEK)		<0.013		0.013
4-Methyl-2-pentanone (MIBK)		<0.013		0.013
Methyl tert-butyl ether		<0.0067		0.0067
n-Butanol		<0.13		0.13
n-Hexane		0.0079		0.0067
n-Propylbenzene		<0.0067	*	0.0067
Styrene		<0.0067	*	0.0067
1,1,1,2-Tetrachloroethane		<0.0067	*	0.0067
1,1,2,2-Tetrachloroethane		<0.0067		0.0067
Tetrachloroethylene		<0.0067		0.0067
Toluene		<0.0067		0.0067
trans-1,2-Dichloroethylene		<0.0067		0.0067
trans-1,3-Dichloropropene		<0.0067		0.0067
1,1,1-Trichloroethane		<0.0067		0.0067
1,1,2-Trichloroethane		<0.0067		0.0067
Trichloroethene		<0.0067		0.0067

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7 | Date Sampled: 08/18/2011 1335
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2896.D
Dilution:	1.0			Initial Weight/Volume:	31.945 g
Analysis Date:	08/23/2011 1305			Final Weight/Volume:	38.5891 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0067		0.0067
1,2,4-Trimethylbenzene		<0.0067	*	0.0067
1,3,5-Trimethylbenzene		<0.0067	*	0.0067
Vinyl acetate		<0.0067		0.0067
Vinyl chloride		<0.0067		0.0067
Xylenes, Total		<0.013	*	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	106		50 - 150
1,2-Dichloroethane-d4 (Surr)	132		76 - 137
Toluene-d8 (Surr)	89		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 510-69047-8 | Date Sampled: 08/18/2011 0000
Client Matrix: Water | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85489	Instrument ID:	VMSB
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A2106.D
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 1129			Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 1129				

Analyte	Result (mg/L)	Qualifier	RL
Chloromethane	<0.010		0.010
Vinyl chloride	<0.0020		0.0020
Bromomethane	<0.010		0.010
Chloroethane	<0.010		0.010
Trichlorofluoromethane	<0.0050		0.0050
Methyl acetate	<0.0050		0.0050
Acrolein	<0.16		0.16
1,1-Dichlorethylene	<0.0050		0.0050
Acetone	<0.010		0.010
Iodomethane	<0.0050		0.0050
Carbon disulfide	<0.0050		0.0050
Methylene Chloride	<0.0050		0.0050
Methyl tert-butyl ether	<0.0050		0.0050
trans-1,2-Dichloroethylene	<0.0050		0.0050
n-Hexane	<0.0050	*	0.0050
Vinyl acetate	<0.0050		0.0050
1,1-Dichloroethane	<0.0050		0.0050
Methyl ethyl ketone (MEK)	<0.010		0.010
cis-1,2-Dichloroethylene	<0.0050		0.0050
Chloroform	<0.0050		0.0050
1,1,1-Trichloroethane	<0.0050		0.0050
Cyclohexane	<0.0050	*	0.0050
1,2-Dichloroethane	<0.0050		0.0050
Carbon tetrachloride	<0.0050		0.0050
Benzene	<0.0050		0.0050
Trichloroethene	<0.0050		0.0050
Methylcyclohexane	<0.0050		0.0050
1,2-Dichloropropane	<0.0050		0.0050
Bromodichloromethane	<0.0050		0.0050
cis-1,3-Dichloropropene	<0.0050		0.0050
4-Methyl-2-pentanone (MIBK)	<0.010		0.010
Toluene	<0.0050		0.0050
trans-1,3-Dichloropropene	<0.0050		0.0050
1,1,2-Trichloroethane	<0.0050		0.0050
Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010
Tetrachloroethylene	<0.0050		0.0050
Chlorodibromomethane	<0.0050		0.0050
1,2-Dibromoethane	<0.0050		0.0050
Chlorobenzene	<0.0050		0.0050
1,1,1,2-Tetrachloroethane	<0.0050		0.0050
Ethylbenzene	<0.0050		0.0050
Styrene	<0.0050		0.0050
Bromoform	<0.0050		0.0050
Isopropylbenzene	<0.0050		0.0050
1,1,2,2-Tetrachloroethane	<0.0050		0.0050
n-Propylbenzene	<0.0050		0.0050

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 510-69047-8 | Date Sampled: 08/18/2011 0000
Client Matrix: Water | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85489	Instrument ID:	VMSB
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A2106.D
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 1129			Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 1129				

Analyte	Result (mg/L)	Qualifier	RL
1,3,5-Trimethylbenzene	<0.0050		0.0050
1,2,4-Trimethylbenzene	<0.0050		0.0050
Xylenes, Total	<0.010		0.010
1,3-Dichloropropene, Total	<0.010		0.010
Ethyl acetate	<0.0050		0.0050

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102		81 - 126
Toluene-d8 (Surr)	99		89 - 108
4-Bromofluorobenzene (Surr)	96		77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 510-69047-8
Client Matrix: Water

Date Sampled: 08/18/2011 0000
Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85568	Instrument ID:	VMSB
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	A2155.D
Dilution:	1.0			Initial Weight/Volume:	40 mL
Analysis Date:	08/24/2011 1939	Run Type:	RA	Final Weight/Volume:	40 mL
Prep Date:	08/24/2011 1939				

Analyte	Result (mg/L)	Qualifier	RL
n-Butanol	<0.10		0.10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		81 - 126
Toluene-d8 (Surr)	98		89 - 108
4-Bromofluorobenzene (Surr)	96		77 - 132

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **Sodium Bisulfate/Methanol Blank**

Lab Sample ID: 510-69047-9 | Date Sampled: 08/18/2011 0000
Client Matrix: Solid | Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2899.D
Dilution:	1.0			Initial Weight/Volume:	31.676 g
Analysis Date:	08/23/2011 1450			Final Weight/Volume:	31.676 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Acetone		<0.010		0.010
Acrolein		<0.20		0.20
Benzene		<0.0050		0.0050
Bromodichloromethane		<0.0050		0.0050
Bromoform		<0.0050		0.0050
Bromomethane		<0.0050		0.0050
Carbon disulfide		<0.0050		0.0050
Carbon tetrachloride		<0.0050		0.0050
Chlorobenzene		<0.0050		0.0050
Chlorodibromomethane		<0.0050		0.0050
Chloroethane		<0.0050		0.0050
Chloroform		<0.0050		0.0050
Chloromethane		<0.0050		0.0050
cis-1,2-Dichloroethylene		<0.0050		0.0050
cis-1,3-Dichloropropene		<0.0050		0.0050
Cyclohexane		<0.0050		0.0050
1,2-Dibromoethane		<0.0050		0.0050
1,1-Dichlorethylene		<0.0050		0.0050
1,1-Dichloroethane		<0.0050		0.0050
1,2-Dichloroethane		<0.0050		0.0050
1,2-Dichloropropane		<0.0050		0.0050
1,3-Dichloropropene, Total		<0.010		0.010
Ethyl acetate		<0.0050		0.0050
Ethylbenzene		<0.0050		0.0050
Iodomethane		<0.010		0.010
Isopropylbenzene		<0.0050	*	0.0050
Methyl acetate		<0.0050		0.0050
Methyl Butyl Ketone (2-Hexanone)		<0.010		0.010
Methylcyclohexane		<0.0050		0.0050
Methylene Chloride		<0.0050		0.0050
Methyl ethyl ketone (MEK)		<0.010		0.010
4-Methyl-2-pentanone (MIBK)		<0.010		0.010
Methyl tert-butyl ether		<0.0050		0.0050
n-Butanol		<0.10		0.10
n-Hexane		<0.0050		0.0050
n-Propylbenzene		<0.0050	*	0.0050
Styrene		<0.0050	*	0.0050
1,1,1,2-Tetrachloroethane		<0.0050	*	0.0050
1,1,2,2-Tetrachloroethane		<0.0050		0.0050
Tetrachloroethylene		<0.0050		0.0050
Toluene		<0.0050		0.0050
trans-1,2-Dichloroethylene		<0.0050		0.0050
trans-1,3-Dichloropropene		<0.0050		0.0050
1,1,1-Trichloroethane		<0.0050		0.0050
1,1,2-Trichloroethane		<0.0050		0.0050
Trichloroethene		<0.0050		0.0050

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Client Sample ID: **Sodium Bisulfate/Methanol Blank**

Lab Sample ID: 510-69047-9 Date Sampled: 08/18/2011 0000
Client Matrix: Solid Date Received: 08/19/2011 1400

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	510-85487	Instrument ID:	VMSA
Prep Method:	5035	Prep Batch:	510-85493	Lab File ID:	E2899.D
Dilution:	1.0			Initial Weight/Volume:	31.676 g
Analysis Date:	08/23/2011 1450			Final Weight/Volume:	31.676 g
Prep Date:	08/19/2011 1700				

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0050		0.0050
1,2,4-Trimethylbenzene		<0.0050	*	0.0050
1,3,5-Trimethylbenzene		<0.0050	*	0.0050
Vinyl acetate		<0.0050		0.0050
Vinyl chloride		<0.0050		0.0050
Xylenes, Total		<0.010	*	0.010

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		50 - 150
1,2-Dichloroethane-d4 (Surr)	137		76 - 137
Toluene-d8 (Surr)	90		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1 | Date Sampled: 08/18/2011 1300
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4955.D
Dilution:	1.0			Initial Weight/Volume:	30.11 g
Analysis Date:	08/23/2011 1641			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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
Pyrene		<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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	191		10 - 194
Nitrobenzene-d5	61		10 - 117
2-Fluorobiphenyl	69		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2 | Date Sampled: 08/18/2011 1305
Client Matrix: Solid | % Moisture: 3.6 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4956.D
Dilution:	1.0			Initial Weight/Volume:	30.14 g
Analysis Date:	08/23/2011 1701			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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
Pyrene		<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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	137		10 - 194
Nitrobenzene-d5	41		10 - 117
2-Fluorobiphenyl	65		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3 | Date Sampled: 08/18/2011 1310
Client Matrix: Solid | % Moisture: 5.2 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4957.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Analysis Date:	08/23/2011 1722			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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
Pyrene		<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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	123		10 - 194
Nitrobenzene-d5	28		10 - 117
2-Fluorobiphenyl	48		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4 | Date Sampled: 08/18/2011 1315
Client Matrix: Solid | % Moisture: 4.3 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4958.D
Dilution:	1.0			Initial Weight/Volume:	30.62 g
Analysis Date:	08/23/2011 1742			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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
Pyrene		<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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	131		10 - 194
Nitrobenzene-d5	39		10 - 117
2-Fluorobiphenyl	62		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **EFS-1**

Lab Sample ID: 510-69047-5 | Date Sampled: 08/18/2011 1320
Client Matrix: Solid | % Moisture: 1.7 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4959.D
Dilution:	1.0			Initial Weight/Volume:	31.52 g
Analysis Date:	08/23/2011 1803			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.019		0.019
Acenaphthylene		<0.019		0.019
Anthracene		<0.019		0.019
Benzo[a]anthracene		<0.019		0.019
Benzo[a]pyrene		<0.019		0.019
Benzo[b]fluoranthene		<0.019		0.019
Benzo[g,h,i]perylene		<0.019		0.019
Benzo[k]fluoranthene		<0.019		0.019
Chrysene		<0.019		0.019
Dibenz(a,h)anthracene		<0.019		0.019
Fluoranthene		<0.019		0.019
Pyrene		<0.019		0.019
Fluorene		<0.019		0.019
Indeno[1,2,3-cd]pyrene		<0.019		0.019
Naphthalene		<0.019		0.019
Phenanthrene		<0.019		0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	170		10 - 194
Nitrobenzene-d5	34		10 - 117
2-Fluorobiphenyl	64		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **FIELD DUPLICATE**

Lab Sample ID: 510-69047-6 | Date Sampled: 08/18/2011 1325
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4960.D
Dilution:	1.0			Initial Weight/Volume:	30.18 g
Analysis Date:	08/23/2011 1823			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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
Pyrene		<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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	159		10 - 194
Nitrobenzene-d5	29		10 - 117
2-Fluorobiphenyl	59		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7 | Date Sampled: 08/18/2011 1335
Client Matrix: Solid | % Moisture: 10.5 | Date Received: 08/19/2011 1400

8270C SIM PAHs by GCMS (SIM)

Analysis Method:	8270C SIM	Analysis Batch:	510-85539	Instrument ID:	SMSB
Prep Method:	3541	Prep Batch:	510-85491	Lab File ID:	C4961.D
Dilution:	1.0			Initial Weight/Volume:	31.22 g
Analysis Date:	08/23/2011 1843			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			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		0.11		0.021
Benzo[a]pyrene		0.088		0.021
Benzo[b]fluoranthene		0.17		0.021
Benzo[g,h,i]perylene		0.057		0.021
Benzo[k]fluoranthene		0.031		0.021
Chrysene		0.074		0.021
Dibenz(a,h)anthracene		<0.021		0.021
Fluoranthene		0.097		0.021
Pyrene		0.28		0.021
Fluorene		<0.021		0.021
Indeno[1,2,3-cd]pyrene		0.078		0.021
Naphthalene		<0.021		0.021
Phenanthrene		0.050		0.021

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	156		10 - 194
Nitrobenzene-d5	23		10 - 117
2-Fluorobiphenyl	63		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1 | Date Sampled: 08/18/2011 1300
Client Matrix: Solid | % Moisture: 3.9 | Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.7024 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1602			Injection Volume:	
Prep Date:	08/18/2011 1300			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.13		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	52		51 - 117
a,a,a-Trifluorotoluene	86		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2 Date Sampled: 08/18/2011 1305
Client Matrix: Solid % Moisture: 3.6 Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.4418 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1638			Injection Volume:	
Prep Date:	08/18/2011 1305			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.081		0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	81		51 - 117
a,a,a-Trifluorotoluene	94		64 - 116

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3 | Date Sampled: 08/18/2011 1310
Client Matrix: Solid | % Moisture: 5.2 | Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123727	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.853 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/26/2011 0836			Injection Volume:	
Prep Date:	08/18/2011 1310			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.046		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	94		51 - 117
a,a,a-Trifluorotoluene	102		64 - 116

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4 | Date Sampled: 08/18/2011 1315
Client Matrix: Solid | % Moisture: 4.3 | Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.9595 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1749			Injection Volume:	
Prep Date:	08/18/2011 1315			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.091		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	63		51 - 117
a,a,a-Trifluorotoluene	94		64 - 116

Client: Weaver Boos Consultants LLC | Job Number: 510-69047-1

Client Sample ID: **EFS-1**

Lab Sample ID: 510-69047-5 | Date Sampled: 08/18/2011 1320
Client Matrix: Solid | % Moisture: 1.7 | Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.5244 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1824			Injection Volume:	
Prep Date:	08/18/2011 1320			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.074		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	72		51 - 117
a,a,a-Trifluorotoluene	91		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Client Sample ID: FIELD DUPLICATE

Lab Sample ID: 510-69047-6 Date Sampled: 08/18/2011 1325
Client Matrix: Solid % Moisture: 3.9 Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	5.5567 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1935			Injection Volume:	
Prep Date:	08/18/2011 1325			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.15		0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	73		51 - 117
a,a,a-Trifluorotoluene	87		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7 Date Sampled: 08/18/2011 1335
Client Matrix: Solid % Moisture: 10.5 Date Received: 08/19/2011 1400

8015B Gasoline Range Organics - (GC)

Analysis Method:	8015B	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Prep Method:	5035	Prep Batch:	500-123444	Initial Weight/Volume:	6.6287 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	08/25/2011 1416			Injection Volume:	
Prep Date:	08/18/2011 1335			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.16		0.017

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	52		51 - 117
a,a,a-Trifluorotoluene	89		64 - 116

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1
Client Matrix: Solid

% Moisture: 3.9

Date Sampled: 08/18/2011 1300
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.62 g
Dilution:	20			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 2015	Run Type:	DL2	Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		740		410

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	0	D	10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2
Client Matrix: Solid

% Moisture: 3.6

Date Sampled: 08/18/2011 1305
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.51 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 1523			Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		85		20

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	33		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3
Client Matrix: Solid

% Moisture: 5.2

Date Sampled: 08/18/2011 1310
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.50 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 1346			Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		<21		21

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	21		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4
Client Matrix: Solid

% Moisture: 4.3

Date Sampled: 08/18/2011 1315
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.64 g
Dilution:	20			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 2047	Run Type:	DL2	Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		1000		410

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	0	D	10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **EFS-1**

Lab Sample ID: 510-69047-5
Client Matrix: Solid

% Moisture: 1.7

Date Sampled: 08/18/2011 1320
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.22 g
Dilution:	5.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 2120	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		180		100

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	0	D	10 - 122

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Client Sample ID: **FIELD DUPLICATE**

Lab Sample ID: 510-69047-6 Date Sampled: 08/18/2011 1325
Client Matrix: Solid % Moisture: 3.9 Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.31 g
Dilution:	5.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 2152	Run Type:	DL	Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		170		100

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	0	D	10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7
Client Matrix: Solid

% Moisture: 10.5

Date Sampled: 08/18/2011 1335
Date Received: 08/19/2011 1400

8015B Indiana ERO

Analysis Method:	8015B	Analysis Batch:	510-85451	Instrument ID:	SGCC
Prep Method:	3541	Prep Batch:	510-85436	Initial Weight/Volume:	30.12 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Analysis Date:	08/22/2011 1732			Injection Volume:	1 uL
Prep Date:	08/22/2011 0755			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		43		22

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	28		10 - 122

General Chemistry

Client Sample ID: **NSW-1**

Lab Sample ID: 510-69047-1 Date Sampled: 08/18/2011 1300
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	3.9		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N

General Chemistry

Client Sample ID: **ESW-1**

Lab Sample ID: 510-69047-2 Date Sampled: 08/18/2011 1305
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	3.6		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N

General Chemistry

Client Sample ID: **WSW-1**

Lab Sample ID: 510-69047-3 Date Sampled: 08/18/2011 1310
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	5.2		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N
Percent Solids	95		%	0.10	1.0	Moisture
Analysis Batch: 510-85475	Analysis Date: 08/22/2011 1539					DryWt Corrected: N

General Chemistry

Client Sample ID: **WFS-1**

Lab Sample ID: 510-69047-4 Date Sampled: 08/18/2011 1315
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	4.3		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N

General Chemistry

Client Sample ID: **EFS-1**

Lab Sample ID: 510-69047-5 Date Sampled: 08/18/2011 1320
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	1.7		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N
Percent Solids	98		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N

General Chemistry

Client Sample ID: **FIELD DUPLICATE**

Lab Sample ID: 510-69047-6 Date Sampled: 08/18/2011 1325
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	3.9		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N
Percent Solids	96		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N

General Chemistry

Client Sample ID: **SSW-1**

Lab Sample ID: 510-69047-7 Date Sampled: 08/18/2011 1335
Client Matrix: Solid Date Received: 08/19/2011 1400

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	10		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N
Percent Solids	90		%	0.10	1.0	Moisture
Analysis Batch: 510-85479	Analysis Date: 08/22/2011 1614					DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-69047-1	NSW-1	127	89	108
510-69047-2	ESW-1	131	91	103
510-69047-3	WSW-1	134	91	100
510-69047-4	WFS-1	133	90	106
510-69047-5	EFS-1	135	87	111
510-69047-6	FIELD DUPLICATE	131	88	110
510-69047-7	SSW-1	132	89	106
510-69047-9	Sodium Bisulfate/Methanol Blank	137	90	101
MB 510-85487/8		116	90	103
LCS 510-85487/6		119	93	103
510-69047-7 MS	SSW-1 MS	134	94	100
510-69047-7 MSD	SSW-1 MSD	136	94	102

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: 510-69047-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-69047-8	TRIP BLANK	102	99	96
510-69047-8 RA	TRIP BLANK RA	103	98	96
MB 510-85489/5		99	99	93
MB 510-85568/15		102	99	96
LCS 510-85489/3		97	101	96
LCS 510-85568/13		102	102	100

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

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Surrogate Recovery Report

8270C SIM PAHs by GCMS (SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
510-69047-1	NSW-1	61	69	191
510-69047-2	ESW-1	41	65	137
510-69047-3	WSW-1	28	48	123
510-69047-4	WFS-1	39	62	131
510-69047-5	EFS-1	34	64	170
510-69047-6	FIELD DUPLICATE	29	59	159
510-69047-7	SSW-1	23	63	156
MB 510-85491/1-A		63	63	87
LCS 510-85491/2-A		61	62	89
510-69047-7 MS	SSW-1 MS	32	54	123
510-69047-7 MSD	SSW-1 MSD	40	62	154

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

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Surrogate Recovery Report

8015B Indiana ERO

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBP1 %Rec
510-69047-1 DL2	NSW-1 DL2	0D
510-69047-2	ESW-1	33
510-69047-3	WSW-1	21
510-69047-4 DL2	WFS-1 DL2	0D
510-69047-5 DL	EFS-1 DL	0D
510-69047-6 DL	FIELD DUPLICATE DL	0D
510-69047-7	SSW-1	28
MB 510-85436/1-A		55
LCS 510-85436/2-A		61
510-69047-7 MS	SSW-1 MS	37
510-69047-7 MSD	SSW-1 MSD	42

Surrogate	Acceptance Limits
DBP = Decafluorobiphenyl	10-122

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec	BFB1 %Rec
510-69047-1	NSW-1	86	52
510-69047-2	ESW-1	94	81
510-69047-3	WSW-1	102	94
510-69047-4	WFS-1	94	63
510-69047-5	EFS-1	91	72
510-69047-6	FIELD DUPLICATE	87	73
510-69047-7	SSW-1	89	52
MB 500-123725/3		99	96
MB 500-123727/3		102	98
LCS 500-123725/4		99	97
LCS 500-123727/4		103	101
LCSD 500-123727/6		100	98
510-69047-7 MS	SSW-1 MS	88	54
510-69047-7 MSD	SSW-1 MSD	87	50X

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

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85487

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 510-85487/8	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E2887.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/23/2011 0753	Units:	mg/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Bromomethane	<0.0050		0.0050
Acrolein	<0.20		0.20
Acetone	<0.010		0.010
Carbon disulfide	<0.0050		0.0050
Chloroethane	<0.0050		0.0050
Chloromethane	<0.0050		0.0050
cis-1,2-Dichloroethylene	<0.0050		0.0050
1,1-Dichlorethylene	<0.0050		0.0050
Chloroform	<0.0050		0.0050
1,1-Dichloroethane	<0.0050		0.0050
Cyclohexane	<0.0050		0.0050
1,2-Dichloroethane	<0.0050		0.0050
Carbon tetrachloride	<0.0050		0.0050
Benzene	<0.0050		0.0050
Iodomethane	<0.010		0.010
1,2-Dichloropropane	<0.0050		0.0050
Bromodichloromethane	<0.0050		0.0050
Methyl acetate	<0.0050		0.0050
cis-1,3-Dichloropropene	<0.0050		0.0050
Methylcyclohexane	<0.0050		0.0050
Methylene Chloride	<0.0050		0.0050
Methyl ethyl ketone (MEK)	<0.010		0.010
4-Methyl-2-pentanone (MIBK)	<0.010		0.010
Methyl tert-butyl ether	<0.0050		0.0050
Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010
n-Butanol	<0.10		0.10
n-Hexane	<0.0050		0.0050
Chlorodibromomethane	<0.0050		0.0050
1,2-Dibromoethane	<0.0050		0.0050
Chlorobenzene	<0.0050		0.0050
1,1,1,2-Tetrachloroethane	<0.0050		0.0050
Ethylbenzene	<0.0050		0.0050
Tetrachloroethylene	<0.0050		0.0050
Toluene	<0.0050		0.0050
Styrene	<0.0050		0.0050
Bromoform	<0.0050		0.0050
trans-1,2-Dichloroethylene	<0.0050		0.0050
trans-1,3-Dichloropropene	<0.0050		0.0050
Isopropylbenzene	<0.0050		0.0050
1,1,1-Trichloroethane	<0.0050		0.0050
1,1,2,2-Tetrachloroethane	<0.0050		0.0050
1,1,2-Trichloroethane	<0.0050		0.0050
n-Propylbenzene	<0.0050		0.0050
Trichloroethene	<0.0050		0.0050
Trichlorofluoromethane	<0.0050		0.0050

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85487

Method: 8260B
Preparation: N/A

Lab Sample ID:	MB 510-85487/8	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E2887.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/23/2011 0753	Units:	mg/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,2,4-Trimethylbenzene	<0.0050		0.0050
1,3,5-Trimethylbenzene	<0.0050		0.0050
Vinyl acetate	<0.0050		0.0050
Vinyl chloride	<0.0050		0.0050
1,3-Dichloropropene, Total	<0.010		0.010
Xylenes, Total	<0.010		0.010
Ethyl acetate	<0.0050		0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116	76 - 137
Toluene-d8 (Surr)	90	70 - 130
4-Bromofluorobenzene (Surr)	103	50 - 150

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Lab Control Sample - Batch: 510-85487

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 510-85487/6	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E2885.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/23/2011 0633	Units:	mg/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	0.0500	0.0431	86	32 - 171	
Acetone	0.0500	0.0882	176	10 - 196	
Carbon disulfide	0.0500	0.0569	114	33 - 200	
Chloroethane	0.0500	0.0445	89	53 - 139	
Chloromethane	0.0500	0.0437	87	44 - 148	
cis-1,2-Dichloroethylene	0.0500	0.0494	99	81 - 122	
1,1-Dichlorethylene	0.0500	0.0516	103	57 - 149	
Chloroform	0.0500	0.0606	121	77 - 124	
1,1-Dichloroethane	0.0500	0.0534	107	80 - 123	
Cyclohexane	0.0500	0.0664	133	79 - 136	
1,2-Dichloroethane	0.0500	0.0559	112	72 - 130	
Carbon tetrachloride	0.0500	0.0568	114	70 - 139	
Benzene	0.0500	0.0480	96	81 - 116	
Iodomethane	0.0500	0.0527	105	46 - 191	
1,2-Dichloropropane	0.0500	0.0508	102	77 - 122	
Bromodichloromethane	0.0500	0.0542	108	72 - 132	
Methyl acetate	0.0500	0.0425	85	36 - 152	
cis-1,3-Dichloropropene	0.0500	0.0554	111	61 - 127	
Methylcyclohexane	0.0500	0.0600	120	78 - 135	
Methylene Chloride	0.0500	0.0495	99	72 - 131	
Methyl ethyl ketone (MEK)	0.0500	0.0668	134	40 - 164	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0523	105	63 - 133	
Methyl tert-butyl ether	0.0500	0.0498	100	70 - 125	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0644	129	35 - 164	
n-Butanol	0.0500	<0.10	67		
n-Hexane	0.0500	0.0712	142	69 - 145	
Chlorodibromomethane	0.0500	0.0511	102	73 - 130	
1,2-Dibromoethane	0.0500	0.0507	101	74 - 124	
Chlorobenzene	0.0500	0.0596	119	74 - 123	
1,1,1,2-Tetrachloroethane	0.0500	0.0626	125	81 - 120	*
Ethylbenzene	0.0500	0.0610	122	84 - 124	
m-Xylene & p-Xylene	0.100	0.132	132	80 - 127	*
Tetrachloroethylene	0.0500	0.0516	103	82 - 127	
o-Xylene	0.0500	0.0609	122	79 - 126	
Toluene	0.0500	0.0500	100	77 - 117	
Styrene	0.0500	0.0649	130	80 - 116	*
Bromoform	0.0500	0.0617	123	67 - 135	
trans-1,2-Dichloroethylene	0.0500	0.0517	103	82 - 129	
trans-1,3-Dichloropropene	0.0500	0.0558	112	63 - 133	
Isopropylbenzene	0.0500	0.0640	128	79 - 125	*
1,1,1-Trichloroethane	0.0500	0.0556	111	78 - 125	
1,1,2,2-Tetrachloroethane	0.0500	0.0620	124	70 - 128	
1,1,2-Trichloroethane	0.0500	0.0502	100	70 - 127	
n-Propylbenzene	0.0500	0.0663	133	82 - 129	*
Trichloroethene	0.0500	0.0475	95	81 - 122	
Trichlorofluoromethane	0.0500	0.0471	94	72 - 135	

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Lab Control Sample - Batch: 510-85487

Method: 8260B
Preparation: N/A

Lab Sample ID:	LCS 510-85487/6	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	E2885.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/23/2011 0633	Units:	mg/Kg	Final Weight/Volume:	5 g
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trimethylbenzene	0.0500	0.0655	131	78 - 126	*
1,3,5-Trimethylbenzene	0.0500	0.0651	130	81 - 126	*
Vinyl acetate	0.100	0.113	113	63 - 150	
Vinyl chloride	0.0500	0.0449	90	60 - 137	
Xylenes, Total	0.150	0.193	128	83 - 124	*

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	119	76 - 137
Toluene-d8 (Surr)	93	70 - 130
4-Bromofluorobenzene (Surr)	103	50 - 150

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85489

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 510-85489/5	Analysis Batch:	510-85489	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2104.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 1025	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 1025				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Bromomethane	<0.010		0.010
Acrolein	<0.16		0.16
Acetone	<0.010		0.010
Carbon disulfide	<0.0050		0.0050
Chloroethane	<0.010		0.010
Chloromethane	<0.010		0.010
cis-1,2-Dichloroethylene	<0.0050		0.0050
1,1-Dichlorethylene	<0.0050		0.0050
Chloroform	<0.0050		0.0050
1,1-Dichloroethane	<0.0050		0.0050
Cyclohexane	<0.0050		0.0050
1,2-Dichloroethane	<0.0050		0.0050
Carbon tetrachloride	<0.0050		0.0050
Benzene	<0.0050		0.0050
Iodomethane	<0.0050		0.0050
1,2-Dichloropropane	<0.0050		0.0050
Bromodichloromethane	<0.0050		0.0050
Methyl acetate	<0.0050		0.0050
cis-1,3-Dichloropropene	<0.0050		0.0050
Methylcyclohexane	<0.0050		0.0050
Methylene Chloride	<0.0050		0.0050
Methyl ethyl ketone (MEK)	<0.010		0.010
4-Methyl-2-pentanone (MIBK)	<0.010		0.010
Methyl tert-butyl ether	<0.0050		0.0050
Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010
n-Hexane	<0.0050		0.0050
Chlorodibromomethane	<0.0050		0.0050
1,2-Dibromoethane	<0.0050		0.0050
Chlorobenzene	<0.0050		0.0050
1,1,1,2-Tetrachloroethane	<0.0050		0.0050
Ethylbenzene	<0.0050		0.0050
Tetrachloroethylene	<0.0050		0.0050
Toluene	<0.0050		0.0050
Styrene	<0.0050		0.0050
Bromoform	<0.0050		0.0050
trans-1,2-Dichloroethylene	<0.0050		0.0050
trans-1,3-Dichloropropene	<0.0050		0.0050
Isopropylbenzene	<0.0050		0.0050
1,1,1-Trichloroethane	<0.0050		0.0050
1,1,2,2-Tetrachloroethane	<0.0050		0.0050
1,1,2-Trichloroethane	<0.0050		0.0050
n-Propylbenzene	<0.0050		0.0050
Trichloroethene	<0.0050		0.0050
Trichlorofluoromethane	<0.0050		0.0050
1,2,4-Trimethylbenzene	<0.0050		0.0050

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85489

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 510-85489/5	Analysis Batch:	510-85489	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2104.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 1025	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 1025				
Leach Date:	N/A				

Analyte	Result	Qual	RL
1,3,5-Trimethylbenzene	<0.0050		0.0050
Vinyl acetate	<0.0050		0.0050
Vinyl chloride	<0.0020		0.0020
1,3-Dichloropropene, Total	<0.010		0.010
Xylenes, Total	<0.010		0.010
Ethyl acetate	<0.0050		0.0050

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99	81 - 126
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	93	77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Lab Control Sample - Batch: 510-85489

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 510-85489/3	Analysis Batch:	510-85489	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 0915	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 0915				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	0.0500	0.0490	98	58 - 141	
Acetone	0.0500	0.0425	85	10 - 200	
Carbon disulfide	0.0500	0.0536	107	46 - 200	
Chloroethane	0.0500	0.0571	114	56 - 139	
Chloromethane	0.0500	0.0471	94	58 - 141	
cis-1,2-Dichloroethylene	0.0500	0.0511	102	82 - 123	
1,1-Dichlorethylene	0.0500	0.0527	105	56 - 158	
Chloroform	0.0500	0.0568	114	78 - 125	
1,1-Dichloroethane	0.0500	0.0516	103	71 - 130	
Cyclohexane	0.0500	0.0719	144	63 - 140	*
1,2-Dichloroethane	0.0500	0.0490	98	75 - 131	
Carbon tetrachloride	0.0500	0.0507	101	73 - 131	
Benzene	0.0500	0.0578	116	78 - 117	
Iodomethane	0.0500	0.0615	123	83 - 200	
1,2-Dichloropropane	0.0500	0.0508	102	81 - 124	
Bromodichloromethane	0.0500	0.0472	94	79 - 131	
Methyl acetate	0.0500	0.0439	88	42 - 140	
cis-1,3-Dichloropropene	0.0500	0.0501	100	74 - 122	
Methylcyclohexane	0.0500	0.0601	120	84 - 134	
Methylene Chloride	0.0500	0.0554	111	72 - 129	
Methyl ethyl ketone (MEK)	0.0500	0.0381	76	32 - 182	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0427	85	52 - 148	
Methyl tert-butyl ether	0.0500	0.0481	96	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0384	77	52 - 156	
n-Hexane	0.0500	0.0711	142	75 - 141	*
Chlorodibromomethane	0.0500	0.0445	89	87 - 127	
1,2-Dibromoethane	0.0500	0.0493	99	74 - 130	
Chlorobenzene	0.0500	0.0500	100	76 - 112	
1,1,1,2-Tetrachloroethane	0.0500	0.0492	98	79 - 128	
Ethylbenzene	0.0500	0.0572	114	78 - 125	
m-Xylene & p-Xylene	0.100	0.0994	99	77 - 123	
Tetrachloroethylene	0.0500	0.0526	105	77 - 123	
o-Xylene	0.0500	0.0550	110	78 - 121	
Toluene	0.0500	0.0571	114	76 - 114	
Styrene	0.0500	0.0500	100	74 - 115	
Bromoform	0.0500	0.0393	79	64 - 137	
trans-1,2-Dichloroethylene	0.0500	0.0504	101	51 - 148	
trans-1,3-Dichloropropene	0.0500	0.0467	93	76 - 125	
Isopropylbenzene	0.0500	0.0497	99	71 - 139	
1,1,1-Trichloroethane	0.0500	0.0500	100	76 - 130	
1,1,2,2-Tetrachloroethane	0.0500	0.0452	90	70 - 125	
1,1,2-Trichloroethane	0.0500	0.0495	99	71 - 126	
n-Propylbenzene	0.0500	0.0479	96	74 - 132	
Trichloroethene	0.0500	0.0513	103	80 - 122	
Trichlorofluoromethane	0.0500	0.0570	114	68 - 125	
1,2,4-Trimethylbenzene	0.0500	0.0476	95	84 - 126	

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Lab Control Sample - Batch: 510-85489

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 510-85489/3	Analysis Batch:	510-85489	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2102.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/23/2011 0915	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/23/2011 0915				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,3,5-Trimethylbenzene	0.0500	0.0477	95	75 - 128	
Vinyl acetate	0.100	0.0978	98	65 - 161	
Vinyl chloride	0.0500	0.0516	103	61 - 149	
Xylenes, Total	0.150	0.154	103	80 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	81 - 126
Toluene-d8 (Surr)	101	89 - 108
4-Bromofluorobenzene (Surr)	96	77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85493

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	510-85493	Lab File ID:	E2897.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.828 g
Analysis Date:	08/23/2011 1340			Final Weight/Volume:	37.3854 g
Prep Date:	08/19/2011 1700				
Leach Date:	N/A				

MSD Lab Sample ID:	510-69047-7	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	510-85493	Lab File ID:	E2898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.256 g
Analysis Date:	08/23/2011 1415			Final Weight/Volume:	38.7938 g
Prep Date:	08/19/2011 1700				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	62	74	10 - 196	14	30		
Benzene	68	72	81 - 116	8	30	F	F
Bromodichloromethane	77	83	72 - 132	10	30		
Bromoform	72	79	67 - 135	13	30		
Bromomethane	85	83	32 - 171	1	30		
Carbon disulfide	84	87	33 - 200	6	30		
Carbon tetrachloride	83	85	70 - 139	5	30		
Chlorobenzene	59	67	74 - 123	15	30	F	F
Chlorodibromomethane	69	75	73 - 130	11	30	F	
Chloroethane	84	85	53 - 139	4	30		
Chloroform	90	95	77 - 124	8	30		
Chloromethane	83	84	44 - 148	5	30		
cis-1,2-Dichloroethylene	72	76	81 - 122	9	30	F	F
cis-1,3-Dichloropropene	67	74	61 - 127	13	30		
Cyclohexane	90	89	79 - 136	1	30		
1,2-Dibromoethane	67	74	74 - 124	13	30	F	
1,1-Dichlorethylene	81	83	57 - 149	5	30		
1,1-Dichloroethane	87	89	80 - 123	5	30		
1,2-Dichloroethane	88	93	72 - 130	8	30		
1,2-Dichloropropane	76	81	77 - 122	9	30	F	
Ethylbenzene	63	70	84 - 124	12	30	F	F
Iodomethane	75	71	46 - 191	4	30		
Isopropylbenzene	55	62	79 - 125	15	30	F	F
Methyl acetate	51	46	36 - 152	6	30		
Methyl Butyl Ketone (2-Hexanone)	65	75	35 - 164	17	30		
Methylcyclohexane	60	62	78 - 135	5	30	F	F
Methylene Chloride	79	82	72 - 131	6	30		
Methyl ethyl ketone (MEK)	74	80	40 - 164	10	30		
4-Methyl-2-pentanone (MIBK)	79	89	63 - 133	15	30		
Methyl tert-butyl ether	90	91	70 - 125	4	30		
m-Xylene & p-Xylene	64	72	80 - 127	14	30	F	F
n-Butanol	0	0		NC			
n-Hexane	80	78	69 - 145	0	30		

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85493

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	510-85493	Lab File ID:	E2897.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.828 g
Analysis Date:	08/23/2011 1340			Final Weight/Volume:	37.3854 g
Prep Date:	08/19/2011 1700				
Leach Date:	N/A				

MSD Lab Sample ID:	510-69047-7	Analysis Batch:	510-85487	Instrument ID:	VMSA
Client Matrix:	Solid	Prep Batch:	510-85493	Lab File ID:	E2898.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.256 g
Analysis Date:	08/23/2011 1415			Final Weight/Volume:	38.7938 g
Prep Date:	08/19/2011 1700				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
n-Propylbenzene	45	55	82 - 129	22	30	F	F
o-Xylene	59	66	79 - 126	14	30	F	F
Styrene	54	62	80 - 116	17	30	F	F
1,1,1,2-Tetrachloroethane	81	85	81 - 120	7	30		
1,1,2,2-Tetrachloroethane	74	83	70 - 128	15	30		
Tetrachloroethylene	58	63	82 - 127	11	30	F	F
Toluene	63	68	77 - 117	10	30	F	F
trans-1,2-Dichloroethylene	77	82	82 - 129	8	30	F	
trans-1,3-Dichloropropene	66	75	63 - 133	16	30		
1,1,1-Trichloroethane	84	86	78 - 125	5	30		
1,1,2-Trichloroethane	72	79	70 - 127	11	30		
Trichloroethene	64	62	81 - 122	0	30	F	F
Trichlorofluoromethane	88	86	72 - 135	0	30		
1,2,4-Trimethylbenzene	42	52	78 - 126	24	30	F	F
1,3,5-Trimethylbenzene	44	53	81 - 126	22	30	F	F
Vinyl acetate	73	72	63 - 150	1	30		
Vinyl chloride	87	87	60 - 137	3	30		
Xylenes, Total	63	70	83 - 124	14	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	100	102	50 - 150
1,2-Dichloroethane-d4 (Surr)	134	136	76 - 137
Toluene-d8 (Surr)	94	94	70 - 130

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85493

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Units: mg/Kg	MSD Lab Sample ID:	510-69047-7	
Client Matrix:	Solid		Client Matrix:	Solid	
Dilution:	1.0		Dilution:	1.0	
Analysis Date:	08/23/2011 1340		Analysis Date:	08/23/2011 1415	
Prep Date:	08/19/2011 1700		Prep Date:	08/19/2011 1700	
Leach Date:	N/A		Leach Date:	N/A	

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acetone	0.021	0.0656	0.0672	0.0613		0.0704	
Benzene	<0.0067	0.0656	0.0672	0.0461	F	0.0500	F
Bromodichloromethane	<0.0067	0.0656	0.0672	0.0507		0.0558	
Bromoform	<0.0067	0.0656	0.0672	0.0470		0.0533	
Bromomethane	<0.0067	0.0656	0.0672	0.0560		0.0556	
Carbon disulfide	<0.0067	0.0656	0.0672	0.0551		0.0584	
Carbon tetrachloride	<0.0067	0.0656	0.0672	0.0545		0.0571	
Chlorobenzene	<0.0067	0.0656	0.0672	0.0386	F	0.0447	F
Chlorodibromomethane	<0.0067	0.0656	0.0672	0.0450	F	0.0504	
Chloroethane	<0.0067	0.0656	0.0672	0.0549		0.0574	
Chloroform	<0.0067	0.0656	0.0672	0.0590		0.0637	
Chloromethane	<0.0067	0.0656	0.0672	0.0542		0.0567	
cis-1,2-Dichloroethylene	<0.0067	0.0656	0.0672	0.0470	F	0.0512	F
cis-1,3-Dichloropropene	<0.0067	0.0656	0.0672	0.0438		0.0498	
Cyclohexane	<0.0067	0.0656	0.0672	0.0590		0.0595	
1,2-Dibromoethane	<0.0067	0.0656	0.0672	0.0440	F	0.0500	
1,1-Dichlorethylene	<0.0067	0.0656	0.0672	0.0534		0.0560	
1,1-Dichloroethane	<0.0067	0.0656	0.0672	0.0569		0.0599	
1,2-Dichloroethane	<0.0067	0.0656	0.0672	0.0576		0.0623	
1,2-Dichloropropane	<0.0067	0.0656	0.0672	0.0499	F	0.0544	
Ethylbenzene	<0.0067	0.0656	0.0672	0.0416	F	0.0468	F
Iodomethane	<0.013	0.0656	0.0672	0.0495		0.0476	
Isopropylbenzene	<0.0067	0.0656	0.0672	0.0361	F	0.0418	F
Methyl acetate	<0.0067	0.0656	0.0672	0.0332		0.0312	
Methyl Butyl Ketone (2-Hexanone)	<0.013	0.0656	0.0672	0.0426		0.0505	
Methylcyclohexane	<0.0067	0.0656	0.0672	0.0419	F	0.0439	F
Methylene Chloride	<0.0067	0.0656	0.0672	0.0521		0.0554	
Methyl ethyl ketone (MEK)	<0.013	0.0656	0.0672	0.0484		0.0535	
4-Methyl-2-pentanone (MIBK)	<0.013	0.0656	0.0672	0.0516		0.0597	
Methyl tert-butyl ether	<0.0067	0.0656	0.0672	0.0588		0.0614	
m-Xylene & p-Xylene	<0.0067	0.131	0.134	0.0844	F	0.0966	F
n-Butanol	<0.13	0.0656	0.0672	<0.13		<0.13	
n-Hexane	0.0079	0.0656	0.0672	0.0604		0.0603	
n-Propylbenzene	<0.0067	0.0656	0.0672	0.0298	F	0.0371	F
o-Xylene	<0.0067	0.0656	0.0672	0.0391	F	0.0450	F
Styrene	<0.0067	0.0656	0.0672	0.0352	F	0.0415	F
1,1,1,2-Tetrachloroethane	<0.0067	0.0656	0.0672	0.0531		0.0570	
1,1,2,2-Tetrachloroethane	<0.0067	0.0656	0.0672	0.0483		0.0560	
Tetrachloroethylene	<0.0067	0.0656	0.0672	0.0382	F	0.0425	F
Toluene	<0.0067	0.0656	0.0672	0.0429	F	0.0473	F
trans-1,2-Dichloroethylene	<0.0067	0.0656	0.0672	0.0504	F	0.0548	
trans-1,3-Dichloropropene	<0.0067	0.0656	0.0672	0.0430		0.0507	
1,1,1-Trichloroethane	<0.0067	0.0656	0.0672	0.0551		0.0579	

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85493

Method: 8260B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Units: mg/Kg	MSD Lab Sample ID: 510-69047-7
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	08/23/2011 1340		Analysis Date: 08/23/2011 1415
Prep Date:	08/19/2011 1700		Prep Date: 08/19/2011 1700
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,2-Trichloroethane	<0.0067	0.0656	0.0672	0.0475		0.0531	
Trichloroethene	<0.0067	0.0656	0.0672	0.0471	F	0.0470	F
Trichlorofluoromethane	<0.0067	0.0656	0.0672	0.0580		0.0579	
1,2,4-Trimethylbenzene	<0.0067	0.0656	0.0672	0.0273	F	0.0347	F
1,3,5-Trimethylbenzene	<0.0067	0.0656	0.0672	0.0287	F	0.0357	F
Vinyl acetate	<0.0067	0.131	0.134	0.0964		0.0971	
Vinyl chloride	<0.0067	0.0656	0.0672	0.0568		0.0586	
Xylenes, Total	<0.013	0.197	0.202	0.123	F	0.142	F

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Method Blank - Batch: 510-85568

Method: 8260B
Preparation: 5030B

Lab Sample ID:	MB 510-85568/15	Analysis Batch:	510-85568	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2154.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/24/2011 1906	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/24/2011 1906				
Leach Date:	N/A				

Analyte	Result	Qual	RL
n-Butanol	<0.10		0.10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	81 - 126
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	96	77 - 132

Lab Control Sample - Batch: 510-85568

Method: 8260B
Preparation: 5030B

Lab Sample ID:	LCS 510-85568/13	Analysis Batch:	510-85568	Instrument ID:	VMSB
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	A2152.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	40 mL
Analysis Date:	08/24/2011 1759	Units:	mg/L	Final Weight/Volume:	40 mL
Prep Date:	08/24/2011 1759				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
n-Butanol	1.05	0.939	89	70 - 130	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	102	81 - 126
Toluene-d8 (Surr)	102	89 - 108
4-Bromofluorobenzene (Surr)	100	77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85491

Method: 8270C SIM
Preparation: 3541

Lab Sample ID:	MB 510-85491/1-A	Analysis Batch:	510-85539	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-85491	Lab File ID:	C4952.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/23/2011 1540	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			Injection Volume:	1 uL
Leach Date:	N/A				

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
Pyrene	<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

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	87	10 - 194
Nitrobenzene-d5	63	10 - 117
2-Fluorobiphenyl	63	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Lab Control Sample - Batch: 510-85491

Method: 8270C SIM
Preparation: 3541

Lab Sample ID:	LCS 510-85491/2-A	Analysis Batch:	510-85539	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-85491	Lab File ID:	C4953.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/23/2011 1600	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.22	73	10 - 118	
Acenaphthylene	1.67	1.15	69	10 - 151	
Anthracene	1.67	1.20	72	16 - 148	
Benzo[a]anthracene	1.67	1.26	76	15 - 154	
Benzo[a]pyrene	1.67	1.74	105	19 - 168	
Benzo[b]fluoranthene	1.67	1.91	115	14 - 152	
Benzo[g,h,i]perylene	1.67	1.77	106	21 - 112	
Benzo[k]fluoranthene	1.67	1.36	82	24 - 116	
Chrysene	1.67	0.930	56	29 - 107	
Dibenz(a,h)anthracene	1.67	1.65	99	34 - 107	
Fluoranthene	1.67	1.35	81	29 - 120	
Pyrene	1.67	1.23	74	26 - 120	
Fluorene	1.67	1.28	77	28 - 110	
Indeno[1,2,3-cd]pyrene	1.67	1.63	98	27 - 110	
Naphthalene	1.67	1.17	70	10 - 106	
Phenanthrene	1.67	1.19	72	22 - 115	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	89	10 - 194
Nitrobenzene-d5	61	10 - 117
2-Fluorobiphenyl	62	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85491

Method: 8270C SIM
Preparation: 3541

MS Lab Sample ID:	510-69047-7	Analysis Batch:	510-85539	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-85491	Lab File ID:	C4962.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.97 g
Analysis Date:	08/23/2011 1904			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			Injection Volume:	1 uL
Leach Date:	N/A				

MSD Lab Sample ID:	510-69047-7	Analysis Batch:	510-85539	Instrument ID:	SMSB
Client Matrix:	Solid	Prep Batch:	510-85491	Lab File ID:	C4963.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.04 g
Analysis Date:	08/23/2011 1924			Final Weight/Volume:	1 mL
Prep Date:	08/23/2011 0815			Injection Volume:	1 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	62	64	10 - 118	7	25		
Acenaphthylene	58	63	10 - 151	12	25		
Anthracene	71	66	16 - 148	4	25		
Benzo[a]anthracene	65	65	15 - 154	4	25		
Benzo[a]pyrene	81	74	19 - 168	5	25		
Benzo[b]fluoranthene	71	76	14 - 152	8	25		
Benzo[g,h,i]perylene	78	64	21 - 112	15	25		
Benzo[k]fluoranthene	89	82	24 - 116	5	25		
Chrysene	70	67	29 - 107	2	25		
Dibenz(a,h)anthracene	86	72	34 - 107	14	25		
Fluoranthene	47	37	29 - 120	18	25		
Pyrene	123	140	26 - 120	14	25	F	F
Fluorene	65	69	28 - 110	8	25		
Indeno[1,2,3-cd]pyrene	73	61	27 - 110	14	25		
Naphthalene	54	66	10 - 106	23	25		
Phenanthrene	64	65	22 - 115	4	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Terphenyl-d14	123	154	10 - 194
Nitrobenzene-d5	32	40	10 - 117
2-Fluorobiphenyl	54	62	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85491

Method: 8270C SIM
Preparation: 3541

MS Lab Sample ID:	510-69047-7	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	08/23/2011 1904		
Prep Date:	08/23/2011 0815		
Leach Date:	N/A		

MSD Lab Sample ID:	510-69047-7
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	08/23/2011 1924
Prep Date:	08/23/2011 0815
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	<0.021	1.80	1.86	1.11		1.20	
Acenaphthylene	<0.021	1.80	1.86	1.04		1.17	
Anthracene	<0.021	1.80	1.86	1.28		1.23	
Benzo[a]anthracene	0.11	1.80	1.86	1.27		1.32	
Benzo[a]pyrene	0.088	1.80	1.86	1.55		1.47	
Benzo[b]fluoranthene	0.17	1.80	1.86	1.45		1.58	
Benzo[g,h,i]perylene	0.057	1.80	1.86	1.46		1.25	
Benzo[k]fluoranthene	0.031	1.80	1.86	1.64		1.55	
Chrysene	0.074	1.80	1.86	1.34		1.32	
Dibenz(a,h)anthracene	<0.021	1.80	1.86	1.55		1.35	
Fluoranthene	0.097	1.80	1.86	0.949		0.792	
Pyrene	0.28	1.80	1.86	2.50	F	2.89	F
Fluorene	<0.021	1.80	1.86	1.18		1.28	
Indeno[1,2,3-cd]pyrene	0.078	1.80	1.86	1.40		1.21	
Naphthalene	<0.021	1.80	1.86	0.988		1.24	
Phenanthrene	0.050	1.80	1.86	1.20		1.25	

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-123444

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	500-123444	Lab File ID:	08251114_020.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.674 g
Analysis Date:	08/25/2011 1451			Final Weight/Volume:	5 mL
Prep Date:	08/18/2011 1335			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	510-69047-7	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	500-123444	Lab File ID:	08251114_021.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	6.3366 g
Analysis Date:	08/25/2011 1527			Final Weight/Volume:	5 mL
Prep Date:	08/18/2011 1335			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C5-C12	78	75	70 - 130	1	30		

Surrogate	MS % Rec	MSD % Rec		Acceptance Limits
4-Bromofluorobenzene	54	50	X	51 - 117
a,a,a-Trifluorotoluene	88	87		64 - 116

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-123444

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	510-69047-7	Units: mg/Kg	MSD Lab Sample ID: 510-69047-7
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Analysis Date:	08/25/2011 1451		Analysis Date: 08/25/2011 1527
Prep Date:	08/18/2011 1335		Prep Date: 08/18/2011 1335
Leach Date:	N/A		Leach Date: N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C5-C12	0.16	0.335	0.353	0.426	0.430

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Method Blank - Batch: 500-123725

Method: 8015B
Preparation: N/A

Lab Sample ID:	MB 500-123725/3	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	08251114_017.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/25/2011 1305	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	96	51 - 117
a,a,a-Trifluorotoluene	99	64 - 116

Lab Control Sample - Batch: 500-123725

Method: 8015B
Preparation: N/A

Lab Sample ID:	LCS 500-123725/4	Analysis Batch:	500-123725	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	08251114_018.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/25/2011 1340	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	0.400	0.414	103	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	97	51 - 117
a,a,a-Trifluorotoluene	99	64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Method Blank - Batch: 500-123727

Method: 8015B
Preparation: N/A

Lab Sample ID:	MB 500-123727/3	Analysis Batch:	500-123727	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	08261114_003.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/26/2011 0725	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	98	51 - 117
a,a,a-Trifluorotoluene	102	64 - 116

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 500-123727

Method: 8015B
Preparation: N/A

LCS Lab Sample ID:	LCS 500-123727/4	Analysis Batch:	500-123727	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	08261114_004.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/26/2011 0801	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 500-123727/6	Analysis Batch:	500-123727	Instrument ID:	INST13-14
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	08261114_006.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	08/26/2011 0912	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	N/A			Injection Volume:	
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
C5-C12	105	106	70 - 130	1	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
4-Bromofluorobenzene	101	98	51 - 117
a,a,a-Trifluorotoluene	103	100	64 - 116

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 500-123727

Method: 8015B
Preparation: N/A

LCS Lab Sample ID:	LCS 500-123727/4	Units: mg/Kg		LCSD Lab Sample ID:	LCSD 500-123727/6
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/26/2011 0801			Analysis Date:	08/26/2011 0912
Prep Date:	N/A			Prep Date:	N/A
Leach 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	0.421	0.426

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85436

Method: 8015B
Preparation: 3541

Lab Sample ID:	MB 510-85436/1-A	Analysis Batch:	510-85451	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-85436	Lab File ID:	C5719.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/22/2011 1242	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/22/2011 0755			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	RL
C8-C36	<20		20

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	55	10 - 122

Lab Control Sample - Batch: 510-85436

Method: 8015B
Preparation: 3541

Lab Sample ID:	LCS 510-85436/2-A	Analysis Batch:	510-85451	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-85436	Lab File ID:	C5720.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 g
Analysis Date:	08/22/2011 1314	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	08/22/2011 0755			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C8-C36	33.2	21.1	64	30 - 146	

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	61	10 - 122

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85436

Method: 8015B
Preparation: 3541

MS Lab Sample ID:	510-69047-7	Analysis Batch:	510-85451	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-85436	Lab File ID:	C5731.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.84 g
Analysis Date:	08/22/2011 1909			Final Weight/Volume:	1 mL
Prep Date:	08/22/2011 0755			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

MSD Lab Sample ID:	510-69047-7	Analysis Batch:	510-85451	Instrument ID:	SGCC
Client Matrix:	Solid	Prep Batch:	510-85436	Lab File ID:	C5732.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.57 g
Analysis Date:	08/22/2011 1942			Final Weight/Volume:	1 mL
Prep Date:	08/22/2011 0755			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C8-C36	100	168	30 - 146	27	30		F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Decafluorobiphenyl	37	42	10 - 122

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-85436

Method: 8015B
Preparation: 3541

MS Lab Sample ID:	510-69047-7	Units:	mg/Kg	MSD Lab Sample ID:	510-69047-7
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	08/22/2011 1909			Analysis Date:	08/22/2011 1942
Prep Date:	08/22/2011 0755			Prep Date:	08/22/2011 0755
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
C8-C36	43	36.0	36.4	79.3	104	F

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85475

Method: Moisture
Preparation: N/A

Lab Sample ID:	MB 510-85475/1	Analysis Batch:	510-85475	Instrument ID:	GBALB
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/22/2011 1539	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Percent Moisture	100		0.10
Percent Solids	0.026		0.10

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Method Blank - Batch: 510-85479

Method: Moisture
Preparation: N/A

Lab Sample ID:	MB 510-85479/1	Analysis Batch:	510-85479	Instrument ID:	GBALB
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	08/22/2011 1614	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	RL
Percent Moisture	100		0.10
Percent Solids	0.030		0.10

DATA REPORTING QUALIFIERS

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Lab Section	Qualifier	Description
GC/MS VOA		
	*	LCS or LCSD exceeds the control limits
	F	MS or MSD exceeds the control limits
GC/MS Semi VOA		
	F	MS or MSD exceeds the control limits
GC VOA		
	X	Surrogate is outside control limits
GC Semi VOA		
	F	MS or MSD exceeds the control limits
	D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:510-85487					
LCS 510-85487/6	Lab Control Sample	T	Solid	8260B	
MB 510-85487/8	Method Blank	T	Solid	8260B	
510-69047-1	NSW-1	T	Solid	8260B	510-85493
510-69047-2	ESW-1	T	Solid	8260B	510-85493
510-69047-3	WSW-1	T	Solid	8260B	510-85493
510-69047-4	WFS-1	T	Solid	8260B	510-85493
510-69047-5	EFS-1	T	Solid	8260B	510-85493
510-69047-6	FIELD DUPLICATE	T	Solid	8260B	510-85493
510-69047-7	SSW-1	T	Solid	8260B	510-85493
510-69047-7MS	Matrix Spike	T	Solid	8260B	510-85493
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	8260B	510-85493
510-69047-9	Sodium Bisulfate/Methanol Blank	T	Solid	8260B	510-85493
Analysis Batch:510-85489					
LCS 510-85489/3	Lab Control Sample	T	Water	8260B	
MB 510-85489/5	Method Blank	T	Water	8260B	
510-69047-8	TRIP BLANK	T	Water	8260B	
Prep Batch: 510-85493					
510-69047-1	NSW-1	T	Solid	5035	
510-69047-2	ESW-1	T	Solid	5035	
510-69047-3	WSW-1	T	Solid	5035	
510-69047-4	WFS-1	T	Solid	5035	
510-69047-5	EFS-1	T	Solid	5035	
510-69047-6	FIELD DUPLICATE	T	Solid	5035	
510-69047-7	SSW-1	T	Solid	5035	
510-69047-7MS	Matrix Spike	T	Solid	5035	
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	5035	
510-69047-9	Sodium Bisulfate/Methanol Blank	T	Solid	5035	
Analysis Batch:510-85568					
LCS 510-85568/13	Lab Control Sample	T	Water	8260B	
MB 510-85568/15	Method Blank	T	Water	8260B	
510-69047-8RA	TRIP BLANK	T	Water	8260B	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 510-85491					
LCS 510-85491/2-A	Lab Control Sample	T	Solid	3541	
MB 510-85491/1-A	Method Blank	T	Solid	3541	
510-69047-1	NSW-1	T	Solid	3541	
510-69047-2	ESW-1	T	Solid	3541	
510-69047-3	WSW-1	T	Solid	3541	
510-69047-4	WFS-1	T	Solid	3541	
510-69047-5	EFS-1	T	Solid	3541	
510-69047-6	FIELD DUPLICATE	T	Solid	3541	
510-69047-7	SSW-1	T	Solid	3541	
510-69047-7MS	Matrix Spike	T	Solid	3541	
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:510-85539					
LCS 510-85491/2-A	Lab Control Sample	T	Solid	8270C SIM	510-85491
MB 510-85491/1-A	Method Blank	T	Solid	8270C SIM	510-85491
510-69047-1	NSW-1	T	Solid	8270C SIM	510-85491
510-69047-2	ESW-1	T	Solid	8270C SIM	510-85491
510-69047-3	WSW-1	T	Solid	8270C SIM	510-85491
510-69047-4	WFS-1	T	Solid	8270C SIM	510-85491
510-69047-5	EFS-1	T	Solid	8270C SIM	510-85491
510-69047-6	FIELD DUPLICATE	T	Solid	8270C SIM	510-85491
510-69047-7	SSW-1	T	Solid	8270C SIM	510-85491
510-69047-7MS	Matrix Spike	T	Solid	8270C SIM	510-85491
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	510-85491

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 500-123444					
510-69047-1	NSW-1	T	Solid	5035	
510-69047-2	ESW-1	T	Solid	5035	
510-69047-3	WSW-1	T	Solid	5035	
510-69047-4	WFS-1	T	Solid	5035	
510-69047-5	EFS-1	T	Solid	5035	
510-69047-6	FIELD DUPLICATE	T	Solid	5035	
510-69047-7	SSW-1	T	Solid	5035	
510-69047-7MS	Matrix Spike	T	Solid	5035	
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:500-123725					
LCS 500-123725/4	Lab Control Sample	T	Solid	8015B	
MB 500-123725/3	Method Blank	T	Solid	8015B	
510-69047-1	NSW-1	T	Solid	8015B	500-123444
510-69047-2	ESW-1	T	Solid	8015B	500-123444
510-69047-4	WFS-1	T	Solid	8015B	500-123444
510-69047-5	EFS-1	T	Solid	8015B	500-123444
510-69047-6	FIELD DUPLICATE	T	Solid	8015B	500-123444
510-69047-7	SSW-1	T	Solid	8015B	500-123444
510-69047-7MS	Matrix Spike	T	Solid	8015B	500-123444
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	8015B	500-123444
Analysis Batch:500-123727					
LCS 500-123727/4	Lab Control Sample	T	Solid	8015B	
LCSD 500-123727/6	Lab Control Sample Duplicate	T	Solid	8015B	
MB 500-123727/3	Method Blank	T	Solid	8015B	
510-69047-3	WSW-1	T	Solid	8015B	500-123444

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 510-85436					
LCS 510-85436/2-A	Lab Control Sample	T	Solid	3541	
MB 510-85436/1-A	Method Blank	T	Solid	3541	
510-69047-1DL2	NSW-1	T	Solid	3541	
510-69047-2	ESW-1	T	Solid	3541	
510-69047-3	WSW-1	T	Solid	3541	
510-69047-4DL2	WFS-1	T	Solid	3541	
510-69047-5DL	EFS-1	T	Solid	3541	
510-69047-6DL	FIELD DUPLICATE	T	Solid	3541	
510-69047-7	SSW-1	T	Solid	3541	
510-69047-7MS	Matrix Spike	T	Solid	3541	
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	3541	
Analysis Batch:510-85451					
LCS 510-85436/2-A	Lab Control Sample	T	Solid	8015B	510-85436
MB 510-85436/1-A	Method Blank	T	Solid	8015B	510-85436
510-69047-1DL2	NSW-1	T	Solid	8015B	510-85436
510-69047-2	ESW-1	T	Solid	8015B	510-85436
510-69047-3	WSW-1	T	Solid	8015B	510-85436
510-69047-4DL2	WFS-1	T	Solid	8015B	510-85436
510-69047-5DL	EFS-1	T	Solid	8015B	510-85436
510-69047-6DL	FIELD DUPLICATE	T	Solid	8015B	510-85436
510-69047-7	SSW-1	T	Solid	8015B	510-85436
510-69047-7MS	Matrix Spike	T	Solid	8015B	510-85436
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	8015B	510-85436

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:510-85475					
MB 510-85475/1	Method Blank	T	Solid	Moisture	
510-69047-1	NSW-1	T	Solid	Moisture	
510-69047-2	ESW-1	T	Solid	Moisture	
510-69047-3	WSW-1	T	Solid	Moisture	
Analysis Batch:510-85479					
MB 510-85479/1	Method Blank	T	Solid	Moisture	
510-69047-4	WFS-1	T	Solid	Moisture	
510-69047-5	EFS-1	T	Solid	Moisture	
510-69047-6	FIELD DUPLICATE	T	Solid	Moisture	
510-69047-7	SSW-1	T	Solid	Moisture	
510-69047-7MS	Matrix Spike	T	Solid	Moisture	
510-69047-7MSD	Matrix Spike Duplicate	T	Solid	Moisture	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Laboratory Chronicle

Lab ID: 510-69047-1 **Client ID: NSW-1**

Sample Date/Time: 08/18/2011 13:00 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-1-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-1-A		510-85487	510-85493	08/23/2011 09:37	1	TAL VAL	WEH
P:3541	510-69047-I-1-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-1-B		510-85539	510-85491	08/23/2011 16:41	1	TAL VAL	WDS
P:5035	510-69047-A-1-A		500-123725	500-123444	08/18/2011 13:00	1	TAL CHI	WRE
A:8015B	510-69047-A-1-A		500-123725	500-123444	08/25/2011 16:02	1	TAL CHI	WRE
P:3541	510-69047-I-1-A	DL2	510-85451	510-85436	08/22/2011 07:55	20	TAL VAL	SNP
A:8015B	510-69047-I-1-A	DL2	510-85451	510-85436	08/22/2011 20:15	20	TAL VAL	CLI
A:Moisture	510-69047-G-1		510-85475		08/22/2011 15:39	1	TAL VAL	JLH

Lab ID: 510-69047-2 **Client ID: ESW-1**

Sample Date/Time: 08/18/2011 13:05 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-2-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-2-A		510-85487	510-85493	08/23/2011 10:12	1	TAL VAL	WEH
P:3541	510-69047-I-2-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-2-B		510-85539	510-85491	08/23/2011 17:01	1	TAL VAL	WDS
P:5035	510-69047-A-2-A		500-123725	500-123444	08/18/2011 13:05	1	TAL CHI	WRE
A:8015B	510-69047-A-2-A		500-123725	500-123444	08/25/2011 16:38	1	TAL CHI	WRE
P:3541	510-69047-I-2-A		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	510-69047-I-2-A		510-85451	510-85436	08/22/2011 15:23	1	TAL VAL	CLI
A:Moisture	510-69047-G-2		510-85475		08/22/2011 15:39	1	TAL VAL	JLH

Lab ID: 510-69047-3 **Client ID: WSW-1**

Sample Date/Time: 08/18/2011 13:10 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-3-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-3-A		510-85487	510-85493	08/23/2011 10:46	1	TAL VAL	WEH
P:3541	510-69047-I-3-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-3-B		510-85539	510-85491	08/23/2011 17:22	1	TAL VAL	WDS
P:5035	510-69047-B-3-A		500-123727	500-123444	08/18/2011 13:10	1	TAL CHI	WRE
A:8015B	510-69047-B-3-A		500-123727	500-123444	08/26/2011 08:36	1	TAL CHI	WRE
P:3541	510-69047-I-3-A		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	510-69047-I-3-A		510-85451	510-85436	08/22/2011 13:46	1	TAL VAL	CLI
A:Moisture	510-69047-G-3		510-85475		08/22/2011 15:39	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Laboratory Chronicle

Lab ID: 510-69047-4 **Client ID: WFS-1**

Sample Date/Time: 08/18/2011 13:15 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-4-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-4-A		510-85487	510-85493	08/23/2011 11:21	1	TAL VAL	WEH
P:3541	510-69047-I-4-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-4-B		510-85539	510-85491	08/23/2011 17:42	1	TAL VAL	WDS
P:5035	510-69047-A-4-A		500-123725	500-123444	08/18/2011 13:15	1	TAL CHI	WRE
A:8015B	510-69047-A-4-A		500-123725	500-123444	08/25/2011 17:49	1	TAL CHI	WRE
P:3541	510-69047-I-4-A	DL2	510-85451	510-85436	08/22/2011 07:55	20	TAL VAL	SNP
A:8015B	510-69047-I-4-A	DL2	510-85451	510-85436	08/22/2011 20:47	20	TAL VAL	CLI
A:Moisture	510-69047-G-4		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Lab ID: 510-69047-5 **Client ID: EFS-1**

Sample Date/Time: 08/18/2011 13:20 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-5-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-5-A		510-85487	510-85493	08/23/2011 11:56	1	TAL VAL	WEH
P:3541	510-69047-I-5-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-5-B		510-85539	510-85491	08/23/2011 18:03	1	TAL VAL	WDS
P:5035	510-69047-A-5-A		500-123725	500-123444	08/18/2011 13:20	1	TAL CHI	WRE
A:8015B	510-69047-A-5-A		500-123725	500-123444	08/25/2011 18:24	1	TAL CHI	WRE
P:3541	510-69047-I-5-A	DL	510-85451	510-85436	08/22/2011 07:55	5	TAL VAL	SNP
A:8015B	510-69047-I-5-A	DL	510-85451	510-85436	08/22/2011 21:20	5	TAL VAL	CLI
A:Moisture	510-69047-G-5		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Lab ID: 510-69047-6 **Client ID: FIELD DUPLICATE**

Sample Date/Time: 08/18/2011 13:25 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-6-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-6-A		510-85487	510-85493	08/23/2011 12:30	1	TAL VAL	WEH
P:3541	510-69047-I-6-B		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-6-B		510-85539	510-85491	08/23/2011 18:23	1	TAL VAL	WDS
P:5035	510-69047-A-6-A		500-123725	500-123444	08/18/2011 13:25	1	TAL CHI	WRE
A:8015B	510-69047-A-6-A		500-123725	500-123444	08/25/2011 19:35	1	TAL CHI	WRE
P:3541	510-69047-I-6-A	DL	510-85451	510-85436	08/22/2011 07:55	5	TAL VAL	SNP
A:8015B	510-69047-I-6-A	DL	510-85451	510-85436	08/22/2011 21:52	5	TAL VAL	CLI
A:Moisture	510-69047-G-6		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Laboratory Chronicle

Lab ID: 510-69047-7 **Client ID: SSW-1**

Sample Date/Time: 08/18/2011 13:35 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-7-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-7-A		510-85487	510-85493	08/23/2011 13:05	1	TAL VAL	WEH
P:3541	510-69047-I-7-D		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-7-D		510-85539	510-85491	08/23/2011 18:43	1	TAL VAL	WDS
P:5035	510-69047-B-7-A		500-123725	500-123444	08/18/2011 13:35	1	TAL CHI	WRE
A:8015B	510-69047-B-7-A		500-123725	500-123444	08/25/2011 14:16	1	TAL CHI	WRE
P:3541	510-69047-I-7-A		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	510-69047-I-7-A		510-85451	510-85436	08/22/2011 17:32	1	TAL VAL	CLI
A:Moisture	510-69047-G-7		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Lab ID: 510-69047-7 **Client ID: SSW-1**

Sample Date/Time: 08/18/2011 13:35 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-7-B MS		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-7-B MS		510-85487	510-85493	08/23/2011 13:40	1	TAL VAL	WEH
P:3541	510-69047-I-7-E MS		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-7-E MS		510-85539	510-85491	08/23/2011 19:04	1	TAL VAL	WDS
P:5035	510-69047-A-7-B MS		500-123725	500-123444	08/18/2011 13:35	1	TAL CHI	WRE
A:8015B	510-69047-A-7-B MS		500-123725	500-123444	08/25/2011 14:51	1	TAL CHI	WRE
P:3541	510-69047-I-7-B MS		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	510-69047-I-7-B MS		510-85451	510-85436	08/22/2011 19:09	1	TAL VAL	CLI
A:Moisture	510-69047-G-7 MS		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Lab ID: 510-69047-7 **Client ID: SSW-1**

Sample Date/Time: 08/18/2011 13:35 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-D-7-C MSD		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-D-7-C MSD		510-85487	510-85493	08/23/2011 14:15	1	TAL VAL	WEH
P:3541	510-69047-I-7-F MSD		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	510-69047-I-7-F MSD		510-85539	510-85491	08/23/2011 19:24	1	TAL VAL	WDS
P:5035	510-69047-A-7-C MSD		500-123725	500-123444	08/18/2011 13:35	1	TAL CHI	WRE
A:8015B	510-69047-A-7-C MSD		500-123725	500-123444	08/25/2011 15:27	1	TAL CHI	WRE
P:3541	510-69047-I-7-C MSD		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	510-69047-I-7-C MSD		510-85451	510-85436	08/22/2011 19:42	1	TAL VAL	CLI
A:Moisture	510-69047-G-7 MSD		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Laboratory Chronicle

Lab ID: 510-69047-8 **Client ID: TRIP BLANK**

Sample Date/Time: 08/18/2011 00:00 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	510-69047-A-8		510-85489		08/23/2011 11:29	1	TAL VAL	JLH
A:8260B	510-69047-A-8		510-85489		08/23/2011 11:29	1	TAL VAL	JLH
P:5030B	510-69047-B-8	RA	510-85568		08/24/2011 19:39	1	TAL VAL	JLH
A:8260B	510-69047-B-8	RA	510-85568		08/24/2011 19:39	1	TAL VAL	JLH

Lab ID: 510-69047-9 **Client ID: Sodium Bisulfate/Methanol Blank**

Sample Date/Time: 08/18/2011 00:00 Received Date/Time: 08/19/2011 14:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-69047-A-9-A		510-85487	510-85493	08/19/2011 17:00	1	TAL VAL	WEH
A:8260B	510-69047-A-9-A		510-85487	510-85493	08/23/2011 14:50	1	TAL VAL	WEH

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
A:8260B	MB 510-85487/8		510-85487		08/23/2011 07:53	1	TAL VAL	WEH
P:5030B	MB 510-85489/5		510-85489		08/23/2011 10:25	1	TAL VAL	JLH
A:8260B	MB 510-85489/5		510-85489		08/23/2011 10:25	1	TAL VAL	JLH
P:5030B	MB 510-85568/15		510-85568		08/24/2011 19:06	1	TAL VAL	JLH
A:8260B	MB 510-85568/15		510-85568		08/24/2011 19:06	1	TAL VAL	JLH
P:3541	MB 510-85491/1-A		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	MB 510-85491/1-A		510-85539	510-85491	08/23/2011 15:40	1	TAL VAL	WDS
A:8015B	MB 500-123725/3		500-123725		08/25/2011 13:05	1	TAL CHI	WRE
A:8015B	MB 500-123727/3		500-123727		08/26/2011 07:25	1	TAL CHI	WRE
P:3541	MB 510-85436/1-A		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	MB 510-85436/1-A		510-85451	510-85436	08/22/2011 12:42	1	TAL VAL	CLI
A:Moisture	MB 510-85475/1		510-85475		08/22/2011 15:39	1	TAL VAL	JLH
A:Moisture	MB 510-85479/1		510-85479		08/22/2011 16:14	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-69047-1

Laboratory Chronicle

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
A:8260B	LCS 510-85487/6		510-85487		08/23/2011 06:33	1	TAL VAL	WEH
P:5030B	LCS 510-85489/3		510-85489		08/23/2011 09:15	1	TAL VAL	JLH
A:8260B	LCS 510-85489/3		510-85489		08/23/2011 09:15	1	TAL VAL	JLH
P:5030B	LCS 510-85568/13		510-85568		08/24/2011 17:59	1	TAL VAL	JLH
A:8260B	LCS 510-85568/13		510-85568		08/24/2011 17:59	1	TAL VAL	JLH
P:3541	LCS 510-85491/2-A		510-85539	510-85491	08/23/2011 08:15	1	TAL VAL	SNP
A:8270C SIM	LCS 510-85491/2-A		510-85539	510-85491	08/23/2011 16:00	1	TAL VAL	WDS
A:8015B	LCS 500-123725/4		500-123725		08/25/2011 13:40	1	TAL CHI	WRE
A:8015B	LCS 500-123727/4		500-123727		08/26/2011 08:01	1	TAL CHI	WRE
P:3541	LCS 510-85436/2-A		510-85451	510-85436	08/22/2011 07:55	1	TAL VAL	SNP
A:8015B	LCS 510-85436/2-A		510-85451	510-85436	08/22/2011 13:14	1	TAL VAL	CLI

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 500-123727/6		500-123727		08/26/2011 09:12	1	TAL CHI	WRE

Lab References:
TAL CHI = TestAmerica Chicago
TAL VAL = TestAmerica Valparaiso

Method 8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
NSW-1	510-69047-1	127	89	108
ESW-1	510-69047-2	131	91	103
WSW-1	510-69047-3	134	91	100
WFS-1	510-69047-4	133	90	106
EFS-1	510-69047-5	135	87	111
FIELD DUPLICATE	510-69047-6	131	88	110
SSW-1	510-69047-7	132	89	106
Sodium Bisulfate/Methanol Blank	510-69047-9	137	90	101
	MB 510-85487/8	116	90	103
	LCS 510-85487/6	119	93	103
SSW-1 MS	510-69047-7 MS	134	94	100
SSW-1 MSD	510-69047-7 MSD	136	94	102

	QC LIMITS
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 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

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	510-69047-8	102	99	96
TRIP BLANK RA	510-69047-8 RA	103	98	96
	MB 510-85489/5	99	99	93
	MB 510-85568/15	102	99	96
	LCS 510-85489/3	97	101	96
	LCS 510-85568/13	102	102	100

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	81-126
TOL = Toluene-d8 (Surr)	89-108
BFB = 4-Bromofluorobenzene (Surr)	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.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2885.D

Lab ID: LCS 510-85487/6 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	0.0500	0.0431	86	32-171	
Acetone	0.0500	0.0882	176	10-196	
Carbon disulfide	0.0500	0.0569	114	33-200	
Chloroethane	0.0500	0.0445	89	53-139	
Chloromethane	0.0500	0.0437	87	44-148	
1,1-Dichlorethylene	0.0500	0.0516	103	57-149	
cis-1,2-Dichloroethylene	0.0500	0.0494	99	81-122	
Chloroform	0.0500	0.0606	121	77-124	
1,1-Dichloroethane	0.0500	0.0534	107	80-123	
Cyclohexane	0.0500	0.0664	133	79-136	
1,2-Dichloroethane	0.0500	0.0559	112	72-130	
Carbon tetrachloride	0.0500	0.0568	114	70-139	
Benzene	0.0500	0.0480	96	81-116	
Iodomethane	0.0500	0.0527	105	46-191	
1,2-Dichloropropane	0.0500	0.0508	102	77-122	
Bromodichloromethane	0.0500	0.0542	108	72-132	
Methyl acetate	0.0500	0.0425	85	36-152	
cis-1,3-Dichloropropene	0.0500	0.0554	111	61-127	
Methylcyclohexane	0.0500	0.0600	120	78-135	
Methylene Chloride	0.0500	0.0495	99	72-131	
Methyl ethyl ketone (MEK)	0.0500	0.0668	134	40-164	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0523	105	63-133	
Methyl tert-butyl ether	0.0500	0.0498	100	70-125	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0644	129	35-164	
n-Butanol	0.0500	<0.10	67		
Chlorodibromomethane	0.0500	0.0511	102	73-130	
n-Hexane	0.0500	0.0712	142	69-145	
1,2-Dibromoethane	0.0500	0.0507	101	74-124	
Chlorobenzene	0.0500	0.0596	119	74-123	
1,1,1,2-Tetrachloroethane	0.0500	0.0626	125	81-120	*
Ethylbenzene	0.0500	0.0610	122	84-124	
m-Xylene & p-Xylene	0.100	0.132	132	80-127	*
Tetrachloroethylene	0.0500	0.0516	103	82-127	
o-Xylene	0.0500	0.0609	122	79-126	
Toluene	0.0500	0.0500	100	77-117	
Styrene	0.0500	0.0649	130	80-116	*
Bromoform	0.0500	0.0617	123	67-135	
trans-1,2-Dichloroethylene	0.0500	0.0517	103	82-129	
Isopropylbenzene	0.0500	0.0640	128	79-125	*
trans-1,3-Dichloropropene	0.0500	0.0558	112	63-133	
1,1,1-Trichloroethane	0.0500	0.0556	111	78-125	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2885.D

Lab ID: LCS 510-85487/6 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,2,2-Tetrachloroethane	0.0500	0.0620	124	70-128	
1,1,2-Trichloroethane	0.0500	0.0502	100	70-127	
n-Propylbenzene	0.0500	0.0663	133	82-129	*
Trichloroethene	0.0500	0.0475	95	81-122	
Trichlorofluoromethane	0.0500	0.0471	94	72-135	
1,2,4-Trimethylbenzene	0.0500	0.0655	131	78-126	*
1,3,5-Trimethylbenzene	0.0500	0.0651	130	81-126	*
Vinyl acetate	0.100	0.113	113	63-150	
Vinyl chloride	0.0500	0.0449	90	60-137	
Xylenes, Total	0.150	0.193	128	83-124	*

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A2102.D

Lab ID: LCS 510-85489/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Bromomethane	0.0500	0.0490	98	58-141	
Acetone	0.0500	0.0425	85	10-200	
Carbon disulfide	0.0500	0.0536	107	46-200	
Chloroethane	0.0500	0.0571	114	56-139	
Chloromethane	0.0500	0.0471	94	58-141	
1,1-Dichlorethylene	0.0500	0.0527	105	56-158	
cis-1,2-Dichloroethylene	0.0500	0.0511	102	82-123	
Chloroform	0.0500	0.0568	114	78-125	
1,1-Dichloroethane	0.0500	0.0516	103	71-130	
Cyclohexane	0.0500	0.0719	144	63-140	*
1,2-Dichloroethane	0.0500	0.0490	98	75-131	
Carbon tetrachloride	0.0500	0.0507	101	73-131	
Benzene	0.0500	0.0578	116	78-117	
Iodomethane	0.0500	0.0615	123	83-200	
1,2-Dichloropropane	0.0500	0.0508	102	81-124	
Bromodichloromethane	0.0500	0.0472	94	79-131	
Methyl acetate	0.0500	0.0439	88	42-140	
cis-1,3-Dichloropropene	0.0500	0.0501	100	74-122	
Methylcyclohexane	0.0500	0.0601	120	84-134	
Methylene Chloride	0.0500	0.0554	111	72-129	
Methyl ethyl ketone (MEK)	0.0500	0.0381	76	32-182	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0427	85	52-148	
Methyl tert-butyl ether	0.0500	0.0481	96	70-130	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0384	77	52-156	
Chlorodibromomethane	0.0500	0.0445	89	87-127	
n-Hexane	0.0500	0.0711	142	75-141	*
1,2-Dibromoethane	0.0500	0.0493	99	74-130	
Chlorobenzene	0.0500	0.0500	100	76-112	
1,1,1,2-Tetrachloroethane	0.0500	0.0492	98	79-128	
Ethylbenzene	0.0500	0.0572	114	78-125	
m-Xylene & p-Xylene	0.100	0.0994	99	77-123	
Tetrachloroethylene	0.0500	0.0526	105	77-123	
o-Xylene	0.0500	0.0550	110	78-121	
Toluene	0.0500	0.0571	114	76-114	
Styrene	0.0500	0.0500	100	74-115	
Bromoform	0.0500	0.0393	79	64-137	
trans-1,2-Dichloroethylene	0.0500	0.0504	101	51-148	
Isopropylbenzene	0.0500	0.0497	99	71-139	
trans-1,3-Dichloropropene	0.0500	0.0467	93	76-125	
1,1,1-Trichloroethane	0.0500	0.0500	100	76-130	
1,1,2,2-Tetrachloroethane	0.0500	0.0452	90	70-125	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A2102.D

Lab ID: LCS 510-85489/3 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1,2-Trichloroethane	0.0500	0.0495	99	71-126	
n-Propylbenzene	0.0500	0.0479	96	74-132	
Trichloroethene	0.0500	0.0513	103	80-122	
Trichlorofluoromethane	0.0500	0.0570	114	68-125	
1,2,4-Trimethylbenzene	0.0500	0.0476	95	84-126	
1,3,5-Trimethylbenzene	0.0500	0.0477	95	75-128	
Vinyl acetate	0.100	0.0978	98	65-161	
Vinyl chloride	0.0500	0.0516	103	61-149	
Xylenes, Total	0.150	0.154	103	80-127	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A2152.D

Lab ID: LCS 510-85568/13 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
n-Butanol	1.05	0.939	89	70-130	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2897.D

Lab ID: 510-69047-7 MS Client ID: SSW-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acetone	0.0656	0.021	0.0613	62	10-196	
Benzene	0.0656	<0.0067	0.0461	68	81-116	F
Bromodichloromethane	0.0656	<0.0067	0.0507	77	72-132	
Bromoform	0.0656	<0.0067	0.0470	72	67-135	
Bromomethane	0.0656	<0.0067	0.0560	85	32-171	
Carbon disulfide	0.0656	<0.0067	0.0551	84	33-200	
Carbon tetrachloride	0.0656	<0.0067	0.0545	83	70-139	
Chlorobenzene	0.0656	<0.0067	0.0386	59	74-123	F
Chlorodibromomethane	0.0656	<0.0067	0.0450	69	73-130	F
Chloroethane	0.0656	<0.0067	0.0549	84	53-139	
Chloroform	0.0656	<0.0067	0.0590	90	77-124	
Chloromethane	0.0656	<0.0067	0.0542	83	44-148	
cis-1,2-Dichloroethylene	0.0656	<0.0067	0.0470	72	81-122	F
cis-1,3-Dichloropropene	0.0656	<0.0067	0.0438	67	61-127	
Cyclohexane	0.0656	<0.0067	0.0590	90	79-136	
1,2-Dibromoethane	0.0656	<0.0067	0.0440	67	74-124	F
1,1-Dichlorethylene	0.0656	<0.0067	0.0534	81	57-149	
1,1-Dichloroethane	0.0656	<0.0067	0.0569	87	80-123	
1,2-Dichloroethane	0.0656	<0.0067	0.0576	88	72-130	
1,2-Dichloropropane	0.0656	<0.0067	0.0499	76	77-122	F
Ethylbenzene	0.0656	<0.0067	0.0416	63	84-124	F
Iodomethane	0.0656	<0.013	0.0495	75	46-191	
Isopropylbenzene	0.0656	<0.0067	0.0361	55	79-125	F
Methyl acetate	0.0656	<0.0067	0.0332	51	36-152	
Methyl Butyl Ketone (2-Hexanone)	0.0656	<0.013	0.0426	65	35-164	
Methylcyclohexane	0.0656	<0.0067	0.0419	60	78-135	F
Methylene Chloride	0.0656	<0.0067	0.0521	79	72-131	
Methyl ethyl ketone (MEK)	0.0656	<0.013	0.0484	74	40-164	
4-Methyl-2-pentanone (MIBK)	0.0656	<0.013	0.0516	79	63-133	
Methyl tert-butyl ether	0.0656	<0.0067	0.0588	90	70-125	
m-Xylene & p-Xylene	0.131	<0.0067	0.0844	64	80-127	F
n-Butanol	0.0656	<0.13	<0.13	0		
n-Hexane	0.0656	0.0079	0.0604	80	69-145	
n-Propylbenzene	0.0656	<0.0067	0.0298	45	82-129	F
o-Xylene	0.0656	<0.0067	0.0391	59	79-126	F
Styrene	0.0656	<0.0067	0.0352	54	80-116	F
1,1,1,2-Tetrachloroethane	0.0656	<0.0067	0.0531	81	81-120	
1,1,2,2-Tetrachloroethane	0.0656	<0.0067	0.0483	74	70-128	
Tetrachloroethylene	0.0656	<0.0067	0.0382	58	82-127	F
Toluene	0.0656	<0.0067	0.0429	63	77-117	F
trans-1,2-Dichloroethylene	0.0656	<0.0067	0.0504	77	82-129	F

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2897.D

Lab ID: 510-69047-7 MS Client ID: SSW-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	0.0656	<0.0067	0.0430	66	63-133	
1,1,1-Trichloroethane	0.0656	<0.0067	0.0551	84	78-125	
1,1,2-Trichloroethane	0.0656	<0.0067	0.0475	72	70-127	
Trichloroethene	0.0656	<0.0067	0.0471	64	81-122	F
Trichlorofluoromethane	0.0656	<0.0067	0.0580	88	72-135	
1,2,4-Trimethylbenzene	0.0656	<0.0067	0.0273	42	78-126	F
1,3,5-Trimethylbenzene	0.0656	<0.0067	0.0287	44	81-126	F
Vinyl acetate	0.131	<0.0067	0.0964	73	63-150	
Vinyl chloride	0.0656	<0.0067	0.0568	87	60-137	
Xylenes, Total	0.197	<0.013	0.123	63	83-124	F

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2898.D

Lab ID: 510-69047-7 MSD Client ID: SSW-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	0.0672	0.0704	74	14	30	10-196	
Benzene	0.0672	0.0500	72	8	30	81-116	F
Bromodichloromethane	0.0672	0.0558	83	10	30	72-132	
Bromoform	0.0672	0.0533	79	13	30	67-135	
Bromomethane	0.0672	0.0556	83	1	30	32-171	
Carbon disulfide	0.0672	0.0584	87	6	30	33-200	
Carbon tetrachloride	0.0672	0.0571	85	5	30	70-139	
Chlorobenzene	0.0672	0.0447	67	15	30	74-123	F
Chlorodibromomethane	0.0672	0.0504	75	11	30	73-130	
Chloroethane	0.0672	0.0574	85	4	30	53-139	
Chloroform	0.0672	0.0637	95	8	30	77-124	
Chloromethane	0.0672	0.0567	84	5	30	44-148	
cis-1,2-Dichloroethylene	0.0672	0.0512	76	9	30	81-122	F
cis-1,3-Dichloropropene	0.0672	0.0498	74	13	30	61-127	
Cyclohexane	0.0672	0.0595	89	1	30	79-136	
1,2-Dibromoethane	0.0672	0.0500	74	13	30	74-124	
1,1-Dichlorethylene	0.0672	0.0560	83	5	30	57-149	
1,1-Dichloroethane	0.0672	0.0599	89	5	30	80-123	
1,2-Dichloroethane	0.0672	0.0623	93	8	30	72-130	
1,2-Dichloropropane	0.0672	0.0544	81	9	30	77-122	
Ethylbenzene	0.0672	0.0468	70	12	30	84-124	F
Iodomethane	0.0672	0.0476	71	4	30	46-191	
Isopropylbenzene	0.0672	0.0418	62	15	30	79-125	F
Methyl acetate	0.0672	0.0312	46	6	30	36-152	
Methyl Butyl Ketone (2-Hexanone)	0.0672	0.0505	75	17	30	35-164	
Methylcyclohexane	0.0672	0.0439	62	5	30	78-135	F
Methylene Chloride	0.0672	0.0554	82	6	30	72-131	
Methyl ethyl ketone (MEK)	0.0672	0.0535	80	10	30	40-164	
4-Methyl-2-pentanone (MIBK)	0.0672	0.0597	89	15	30	63-133	
Methyl tert-butyl ether	0.0672	0.0614	91	4	30	70-125	
m-Xylene & p-Xylene	0.134	0.0966	72	14	30	80-127	F
n-Butanol	0.0672	<0.13	0	NC			
n-Hexane	0.0672	0.0603	78	0	30	69-145	
n-Propylbenzene	0.0672	0.0371	55	22	30	82-129	F
o-Xylene	0.0672	0.0450	66	14	30	79-126	F
Styrene	0.0672	0.0415	62	17	30	80-116	F
1,1,1,2-Tetrachloroethane	0.0672	0.0570	85	7	30	81-120	
1,1,2,2-Tetrachloroethane	0.0672	0.0560	83	15	30	70-128	
Tetrachloroethylene	0.0672	0.0425	63	11	30	82-127	F
Toluene	0.0672	0.0473	68	10	30	77-117	F
trans-1,2-Dichloroethylene	0.0672	0.0548	82	8	30	82-129	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E2898.D

Lab ID: 510-69047-7 MSD Client ID: SSW-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
trans-1,3-Dichloropropene	0.0672	0.0507	75	16	30	63-133	
1,1,1-Trichloroethane	0.0672	0.0579	86	5	30	78-125	
1,1,2-Trichloroethane	0.0672	0.0531	79	11	30	70-127	
Trichloroethene	0.0672	0.0470	62	0	30	81-122	F
Trichlorofluoromethane	0.0672	0.0579	86	0	30	72-135	
1,2,4-Trimethylbenzene	0.0672	0.0347	52	24	30	78-126	F
1,3,5-Trimethylbenzene	0.0672	0.0357	53	22	30	81-126	F
Vinyl acetate	0.134	0.0971	72	1	30	63-150	
Vinyl chloride	0.0672	0.0586	87	3	30	60-137	
Xylenes, Total	0.202	0.142	70	14	30	83-124	F

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: E2887.D Lab Sample ID: MB 510-85487/8

Matrix: Solid Heated Purge:(Y/N) N

Instrument ID: VMSA Date Analyzed: 08/23/2011 07:53

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 510-85487/6	E2885.D	08/23/2011 06:33
NSW-1	510-69047-1	E2890.D	08/23/2011 09:37
ESW-1	510-69047-2	E2891.D	08/23/2011 10:12
WSW-1	510-69047-3	E2892.D	08/23/2011 10:46
WFS-1	510-69047-4	E2893.D	08/23/2011 11:21
EFS-1	510-69047-5	E2894.D	08/23/2011 11:56
FIELD DUPLICATE	510-69047-6	E2895.D	08/23/2011 12:30
SSW-1	510-69047-7	E2896.D	08/23/2011 13:05
SSW-1 MS	510-69047-7 MS	E2897.D	08/23/2011 13:40
SSW-1 MSD	510-69047-7 MSD	E2898.D	08/23/2011 14:15
Sodium Bisulfate/Methanol Blank	510-69047-9	E2899.D	08/23/2011 14:50

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: A2104.D Lab Sample ID: MB 510-85489/5

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VMSB Date Analyzed: 08/23/2011 10:25

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 510-85489/3	A2102.D	08/23/2011 09:15
TRIP BLANK	510-69047-8	A2106.D	08/23/2011 11:29

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: A2154.D Lab Sample ID: MB 510-85568/15

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VMSB Date Analyzed: 08/24/2011 19:06

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 510-85568/13	A2152.D	08/24/2011 17:59
TRIP BLANK RA	510-69047-8 RA	A2155.D	08/24/2011 19:39

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: E2750.D BFB Injection Date: 08/19/2011

Instrument ID: VMSA BFB Injection Time: 03:40

Analysis Batch No.: 85337

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.7	
75	30.0 - 60.0 % of mass 95	56.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.7	
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	6.2	(8.1)1
176	95.0 - 101.0 % of mass 174	76.7	(100.8)1
177	5.0 - 9.0 % of mass 176	5.4	(7.1)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 510-85337/2	E2751.D	08/19/2011	04:10
	STD010 510-85337/3	E2752.D	08/19/2011	04:44
	STD020 510-85337/4	E2753.D	08/19/2011	05:19
	STD050 510-85337/5	E2754.D	08/19/2011	05:54
	STD100 510-85337/6	E2755.D	08/19/2011	06:29
	STD150 510-85337/7	E2756.D	08/19/2011	07:04
	STD200 510-85337/8	E2757.D	08/19/2011	07:38

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: E2882.D BFB Injection Date: 08/23/2011

Instrument ID: VMSA BFB Injection Time: 04:39

Analysis Batch No.: 85487

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.2	
75	30.0 - 60.0 % of mass 95	59.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	74.6	
175	5.0 - 9.0 % of mass 174	5.9	(7.9)1
176	95.0 - 101.0 % of mass 174	75.1	(100.8)1
177	5.0 - 9.0 % of mass 176	5.5	(7.3)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
	STD050 510-85487/5	E2884.D	08/23/2011	05:45
	LCS 510-85487/6	E2885.D	08/23/2011	06:33
	MB 510-85487/8	E2887.D	08/23/2011	07:53
NSW-1	510-69047-1	E2890.D	08/23/2011	09:37
ESW-1	510-69047-2	E2891.D	08/23/2011	10:12
WSW-1	510-69047-3	E2892.D	08/23/2011	10:46
WFS-1	510-69047-4	E2893.D	08/23/2011	11:21
EFS-1	510-69047-5	E2894.D	08/23/2011	11:56
FIELD DUPLICATE	510-69047-6	E2895.D	08/23/2011	12:30
SSW-1	510-69047-7	E2896.D	08/23/2011	13:05
SSW-1 MS	510-69047-7 MS	E2897.D	08/23/2011	13:40
SSW-1 MSD	510-69047-7 MSD	E2898.D	08/23/2011	14:15
Sodium Bisulfate/Methanol Blank	510-69047-9	E2899.D	08/23/2011	14:50

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: A1895.D BFB Injection Date: 08/17/2011

Instrument ID: VMSB BFB Injection Time: 10:15

Analysis Batch No.: 85201

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.6	
75	30.0 - 60.0 % of mass 95	52.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.6	
173	Less than 2.0 % of mass 174	0.6	(0.7)1
174	50.0 - 120.00 % of mass 95	85.0	
175	5.0 - 9.0 % of mass 174	7.3	(8.6)1
176	95.0 - 101.0 % of mass 174	82.5	(97.1)1
177	5.0 - 9.0 % of mass 176	6.6	(8.0)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 510-85201/2	A1896.D	08/17/2011	10:41
	STD002 510-85201/3	A1897.D	08/17/2011	11:14
	STD005 510-85201/4	A1898.D	08/17/2011	11:46
	STD010 510-85201/5	A1899.D	08/17/2011	12:19
	STD050 510-85201/7	A1901.D	08/17/2011	13:24
	STD100 510-85201/8	A1902.D	08/17/2011	13:56
	STD150 510-85201/9	A1903.D	08/17/2011	14:28
	STD200 510-85201/10	A1904.D	08/17/2011	15:01
	STD020 510-85201/14	A1908.D	08/17/2011	17:07

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: A2100.D BFB Injection Date: 08/23/2011

Instrument ID: VMSB BFB Injection Time: 08:12

Analysis Batch No.: 85489

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.8	
75	30.0 - 60.0 % of mass 95	52.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.9	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	84.7	
175	5.0 - 9.0 % of mass 174	7.2	(8.5)1
176	95.0 - 101.0 % of mass 174	80.7	(95.3)1
177	5.0 - 9.0 % of mass 176	6.5	(8.0)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 510-85489/2	A2101.D	08/23/2011	08:38
	LCS 510-85489/3	A2102.D	08/23/2011	09:15
	MB 510-85489/5	A2104.D	08/23/2011	10:25
TRIP BLANK	510-69047-8	A2106.D	08/23/2011	11:29

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: A2140.D BFB Injection Date: 08/24/2011

Instrument ID: VMSB BFB Injection Time: 11:25

Analysis Batch No.: 85568

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.8	
75	30.0 - 60.0 % of mass 95	50.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.6	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	84.4	
175	5.0 - 9.0 % of mass 174	7.3	(8.7)1
176	95.0 - 101.0 % of mass 174	81.4	(96.5)1
177	5.0 - 9.0 % of mass 176	6.6	(8.1)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 510-85568/2	A2141.D	08/24/2011	11:54
	STD002 510-85568/3	A2142.D	08/24/2011	12:27
	STD005 510-85568/4	A2143.D	08/24/2011	13:00
	STD010 510-85568/5	A2144.D	08/24/2011	13:34
	STD020 510-85568/6	A2145.D	08/24/2011	14:07
	STD050 510-85568/7	A2146.D	08/24/2011	14:40
	STD100 510-85568/8	A2147.D	08/24/2011	15:14
	STD150 510-85568/9	A2148.D	08/24/2011	15:47
	STD200 510-85568/10	A2149.D	08/24/2011	16:20
	LCS 510-85568/13	A2152.D	08/24/2011	17:59
	MB 510-85568/15	A2154.D	08/24/2011	19:06
TRIP BLANK RA	510-69047-8 RA	A2155.D	08/24/2011	19:39

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Sample No.: STD050 510-85487/5 Date Analyzed: 08/23/2011 05:45

Instrument ID: VMSA GC Column: 624/8260 ID: 0.2(mm)

Lab File ID (Standard): E2884.D Heated Purge: (Y/N) N

Calibration ID: 4210

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1541741	6.92	1037608	10.66	583935	13.92
UPPER LIMIT		3083482	7.42	2075216	11.16	1167870	14.42
LOWER LIMIT		770871	6.42	518804	10.16	291968	13.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
510-69047-1	NSW-1	1485846	6.92	1003215	10.66	465069	13.92
510-69047-2	ESW-1	1389180	6.92	975291	10.66	480702	13.92
510-69047-3	WSW-1	1341199	6.92	947489	10.65	472780	13.92
510-69047-4	WFS-1	1415690	6.92	967473	10.65	466260	13.92
510-69047-5	EFS-1	1401569	6.92	901458	10.65	384721	13.92
510-69047-6	FIELD DUPLICATE	1424967	6.92	922752	10.65	413561	13.92
510-69047-7	SSW-1	1533190	6.92	1036386	10.65	492818	13.92
510-69047-7 MS	SSW-1 MS	1532106	6.92	1044569	10.65	605059	13.92
510-69047-7 MSD	SSW-1 MSD	1509642	6.92	1037394	10.66	586402	13.92
510-69047-9	Sodium Bisulfate/Methanol Blank	1253986	6.92	867537	10.65	431250	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 8260B

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Sample No.: CCVIS 510-85489/2 Date Analyzed: 08/23/2011 08:38

Instrument ID: VMSB GC Column: 624/8260 ID: 0.2(mm)

Lab File ID (Standard): A2101.D Heated Purge: (Y/N) N

Calibration ID: 4208

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		793795	5.61	322173	8.81	243519	11.55
UPPER LIMIT		1587590	6.11	644346	9.31	487038	12.05
LOWER LIMIT		396898	5.11	161087	8.31	121760	11.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
510-69047-8	TRIP BLANK	795357	5.61	321259	8.81	249123	11.55

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 8260B

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Sample No.: STD050 510-85568/7 Date Analyzed: 08/24/2011 14:40

Instrument ID: VMSB GC Column: 624/8260 ID: 0.2(mm)

Lab File ID (Standard): A2146.D Heated Purge: (Y/N) N

Calibration ID: 4218

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		876806	5.61	341429	8.81	268228	11.55
UPPER LIMIT		1753612	6.11	682858	9.31	536456	12.05
LOWER LIMIT		438403	5.11	170715	8.31	134114	11.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
510-69047-8 RA	TRIP BLANK RA	930619	5.61	349810	8.80	286569	11.55

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 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: NSW-1 Lab Sample ID: 510-69047-1

Matrix: Solid Lab File ID: E2890.D

Analysis Method: 8260B Date Collected: 08/18/2011 13:00

Sample wt/vol: 31.860(g) Date Analyzed: 08/23/2011 09:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.9 Level: (low/med) Low

Analysis Batch No.: 85487 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.23		0.012	0.0025
107-02-8	Acrolein	<0.25		0.25	0.0030
71-43-2	Benzene	<0.0062		0.0062	0.0014
75-27-4	Bromodichloromethane	<0.0062		0.0062	0.00063
75-25-2	Bromoform	<0.0062		0.0062	0.0018
74-83-9	Bromomethane	<0.0062		0.0062	0.0022
75-15-0	Carbon disulfide	<0.0062		0.0062	0.0016
56-23-5	Carbon tetrachloride	<0.0062		0.0062	0.0014
108-90-7	Chlorobenzene	<0.0062		0.0062	0.00083
124-48-1	Chlorodibromomethane	<0.0062		0.0062	0.00062
75-00-3	Chloroethane	<0.0062		0.0062	0.0021
67-66-3	Chloroform	<0.0062		0.0062	0.0013
74-87-3	Chloromethane	<0.0062		0.0062	0.0018
156-59-2	cis-1,2-Dichloroethylene	<0.0062		0.0062	0.0014
10061-01-5	cis-1,3-Dichloropropene	<0.0062		0.0062	0.00062
110-82-7	Cyclohexane	<0.0062		0.0062	0.0020
106-93-4	1,2-Dibromoethane	<0.0062		0.0062	0.00062
75-35-4	1,1-Dichlorethylene	<0.0062		0.0062	0.0022
75-34-3	1,1-Dichloroethane	<0.0062		0.0062	0.0020
107-06-2	1,2-Dichloroethane	<0.0062		0.0062	0.0012
78-87-5	1,2-Dichloropropane	<0.0062		0.0062	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.012		0.012	
141-78-6	Ethyl acetate	<0.0062		0.0062	0.0013
100-41-4	Ethylbenzene	<0.0062		0.0062	0.00096
74-88-4	Iodomethane	<0.012		0.012	0.0046
98-82-8	Isopropylbenzene	<0.0062	*	0.0062	0.00092
79-20-9	Methyl acetate	<0.0062		0.0062	0.00092
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.00098
108-87-2	Methylcyclohexane	<0.0062		0.0062	0.0015
75-09-2	Methylene Chloride	<0.0062		0.0062	0.0016
78-93-3	Methyl ethyl ketone (MEK)	0.056		0.012	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00062
1634-04-4	Methyl tert-butyl ether	<0.0062		0.0062	0.0011
71-36-3	n-Butanol	<0.12		0.12	0.019
110-54-3	n-Hexane	<0.0062		0.0062	0.0025
103-65-1	n-Propylbenzene	<0.0062	*	0.0062	0.0025

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: NSW-1 | Lab Sample ID: 510-69047-1

Matrix: Solid | Lab File ID: E2890.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:00

Sample wt/vol: 31.860(g) | Date Analyzed: 08/23/2011 09:37

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.9 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0062	*	0.0062	0.00084
630-20-6	1,1,1,2-Tetrachloroethane	<0.0062	*	0.0062	0.00086
79-34-5	1,1,2,2-Tetrachloroethane	<0.0062		0.0062	0.0014
127-18-4	Tetrachloroethylene	<0.0062		0.0062	0.0014
108-88-3	Toluene	<0.0062		0.0062	0.0014
156-60-5	trans-1,2-Dichloroethylene	<0.0062		0.0062	0.0021
10061-02-6	trans-1,3-Dichloropropene	<0.0062		0.0062	0.00062
71-55-6	1,1,1-Trichloroethane	<0.0062		0.0062	0.0014
79-00-5	1,1,2-Trichloroethane	<0.0062		0.0062	0.00086
79-01-6	Trichloroethene	<0.0062		0.0062	0.0015
75-69-4	Trichlorofluoromethane	<0.0062		0.0062	0.0022
95-63-6	1,2,4-Trimethylbenzene	<0.0062	*	0.0062	0.0025
108-67-8	1,3,5-Trimethylbenzene	<0.0062	*	0.0062	0.00092
108-05-4	Vinyl acetate	<0.0062		0.0062	0.0016
75-01-4	Vinyl chloride	<0.0062		0.0062	0.0028
1330-20-7	Xylenes, Total	<0.012	*	0.012	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	108		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	127		76-137
2037-26-5	Toluene-d8 (Surr)	89		70-130

Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Lims ID:	510-69047-D-1-A	Client ID:	NSW-1
Inject. Date:	23-Aug-2011 09:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-D-1-A		
Misc. Info.:	510-0005425-011 =510-0005425-011		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	85487	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 07:16:53	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 11:14:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.920	6.919	0.001	97	1485846	50.0	
* 2 Chlorobenzene-d5	117	10.655	10.655	0.0	89	1003215	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.922	13.921	0.001	96	465069	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.536	6.536	0.0	0	471567	63.3	
$ 6 Toluene-d8 (Surr)	98	8.793	8.793	0.0	94	1341698	44.6	
$ 7 4-Bromofluorobenzene (Surr)	95	12.267	12.261	0.006	85	497988	53.8	
18 Acetone	58	3.817	3.811	0.006	98	164042	180.7	
27 Hexane	57	4.863	4.863	0.0	46	10779	1.04	
34 2-Butanone (MEK)	72	5.654	5.648	0.006	97	61485	44.8	
45 Trichloroethene	132	7.345	7.339	0.006	83	12303	1.09	
52 4-Methyl-2-pentanone (MIBK)	43	8.629	8.629	0.0	76	4298	0.6945	
57 Tetrachloroethene	164	9.572	9.572	0.0	93	16861	1.86	
59 2-Hexanone	43	9.687	9.681	0.006	90	12955	2.62	
64 Ethylbenzene	91	10.831	10.837	-0.006	1	1779	0.3012	M
80 1,2,4-Trimethylbenzene	105	13.429	13.423	0.006	2	31249	1.09	

QC Flag Legend

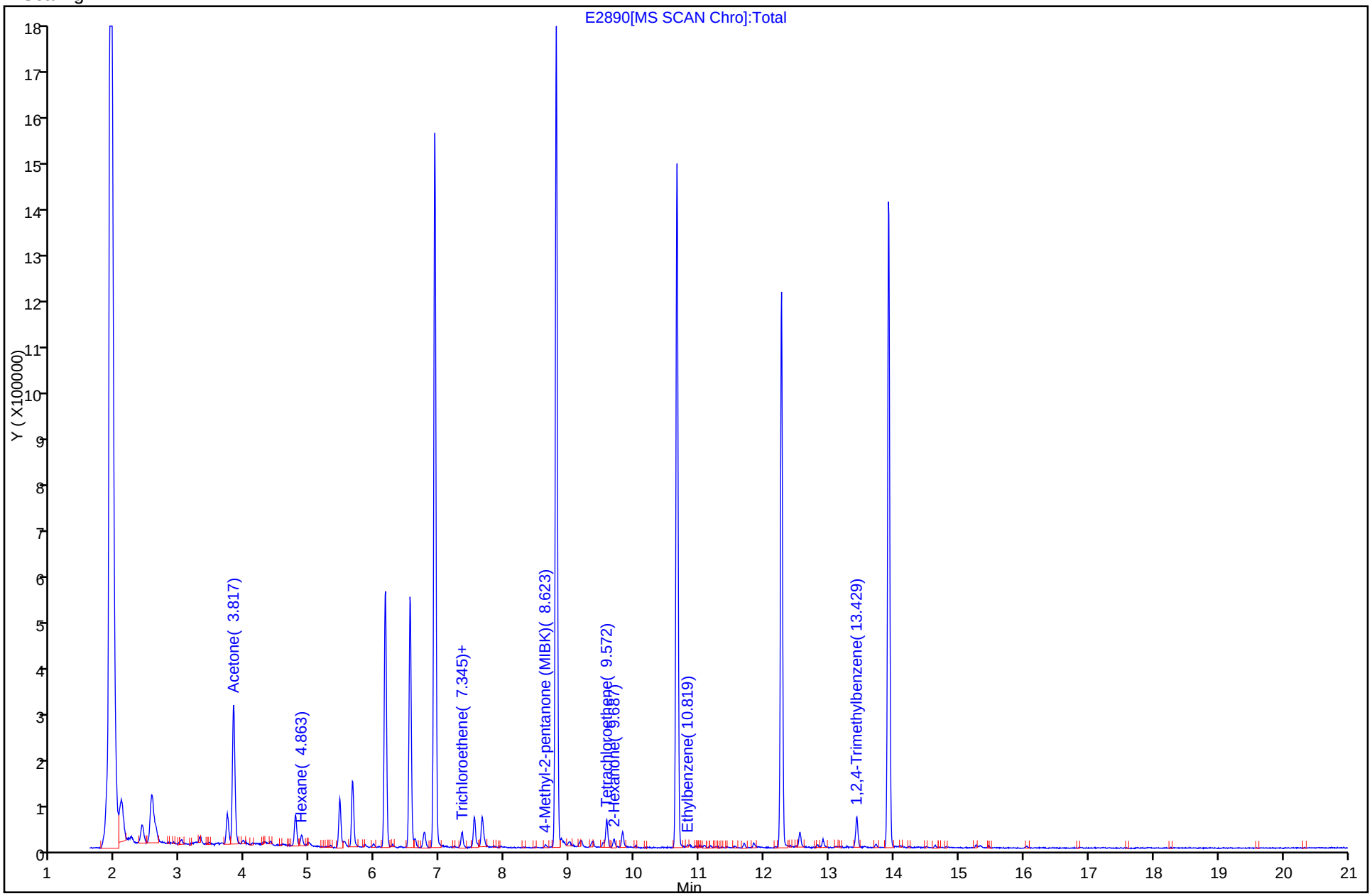
Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D

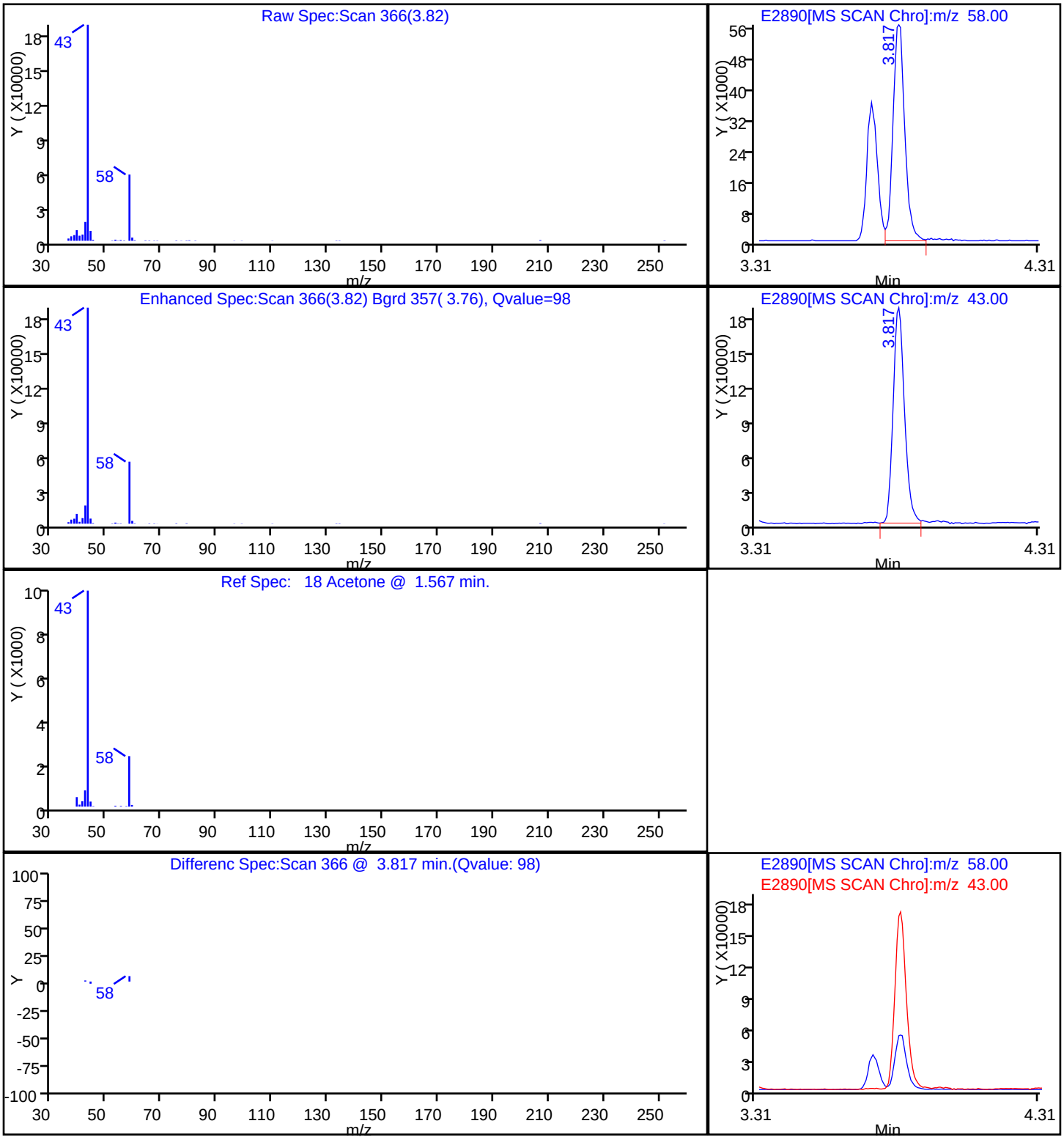
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

Y Scaling:



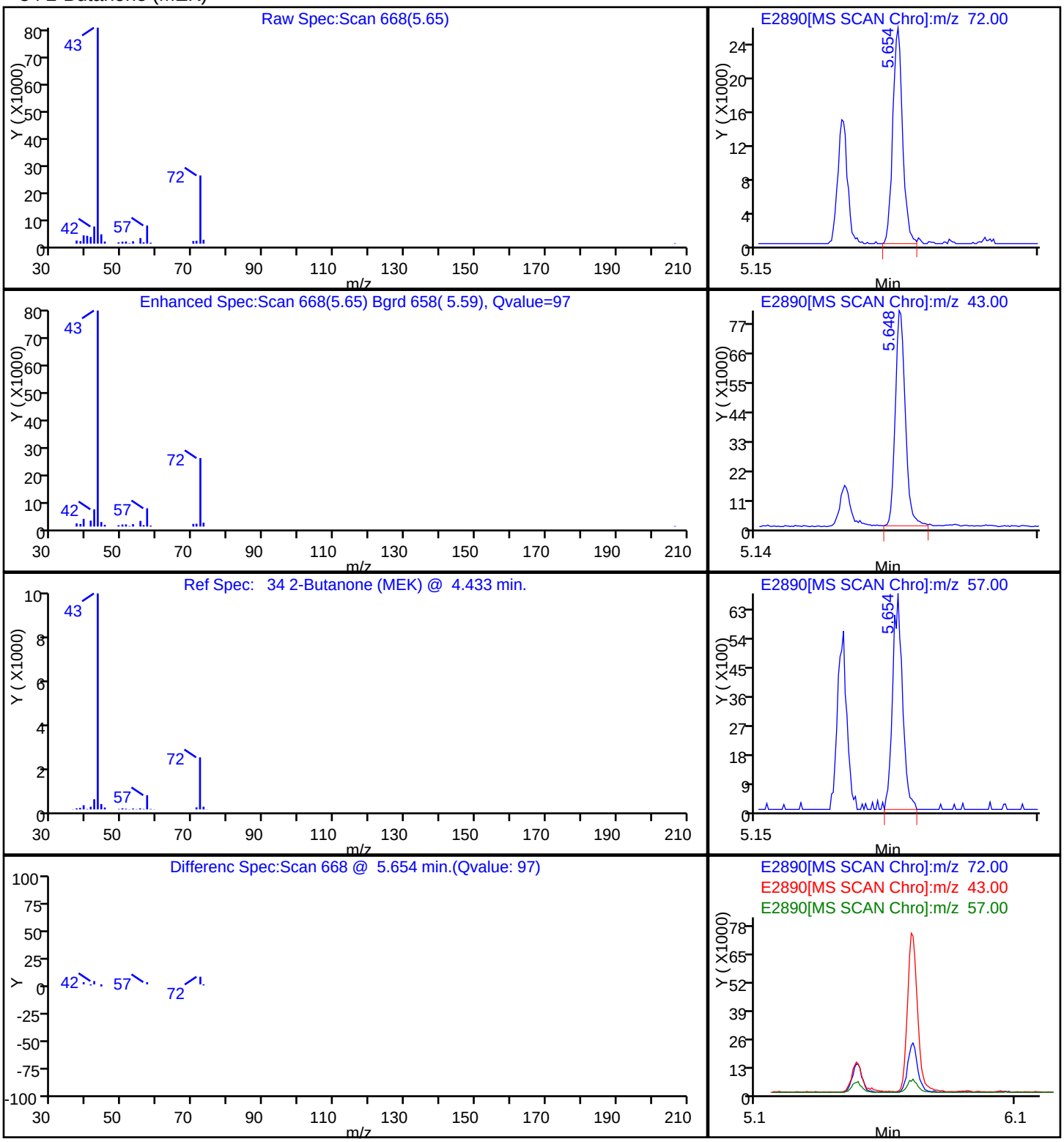
Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D
Injection Date: 23-Aug-2011 09:37:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: NSW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 11
Operator ID: WH

18 Acetone



Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D
Injection Date: 23-Aug-2011 09:37:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: NSW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 11
Operator ID: WH

34 2-Butanone (MEK)



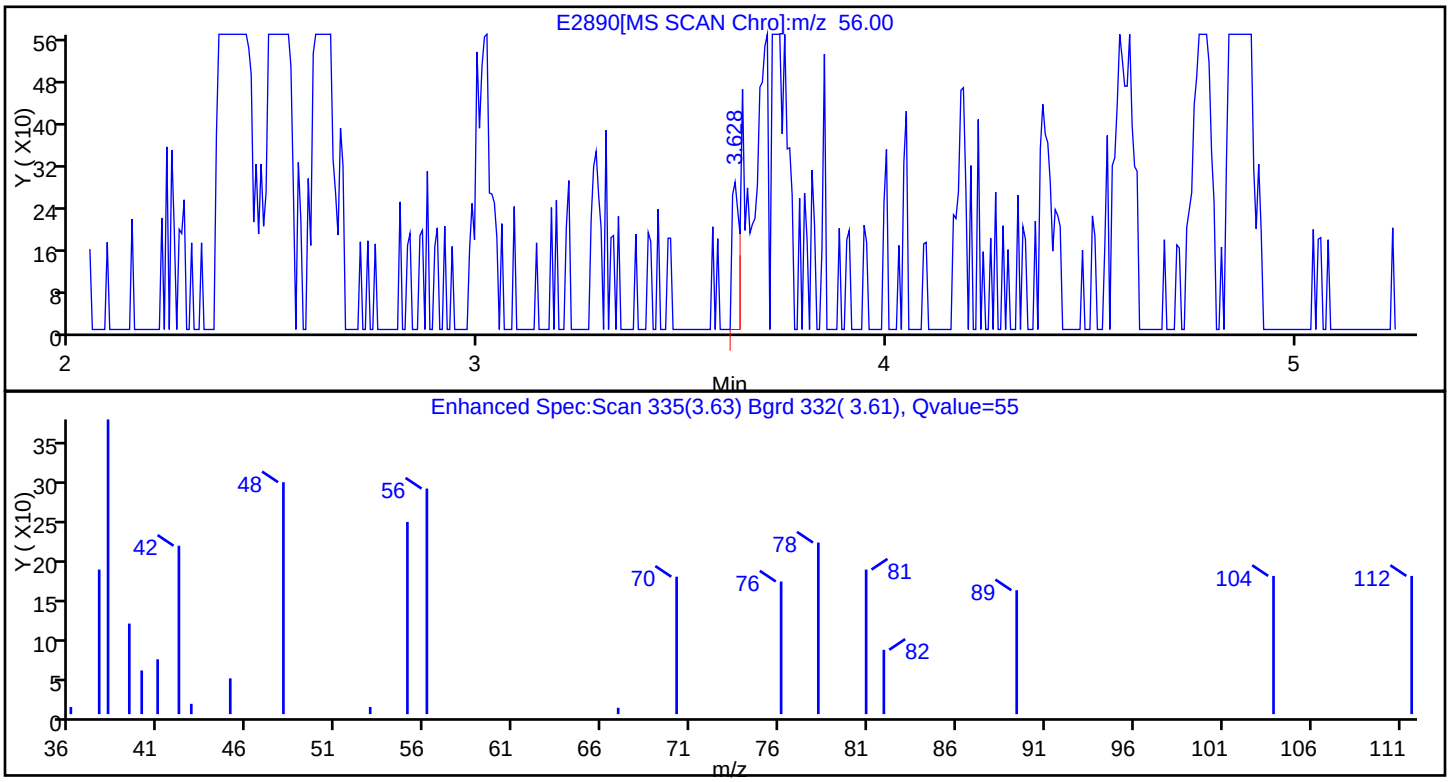
Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.63	56.00	350	0.572629
3.62	55.00	1634	

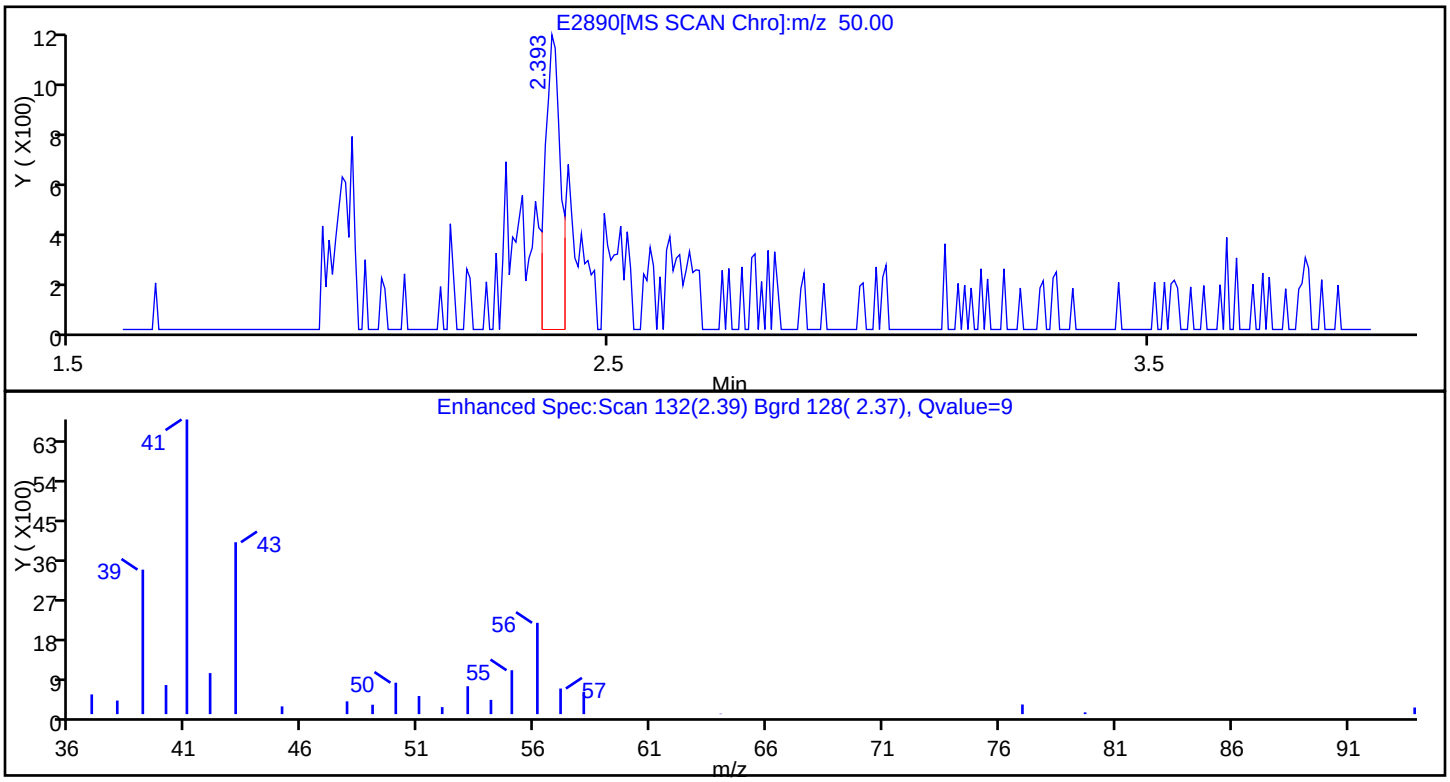
Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

9 Chloromethane

Processing Results



RT	Mass	Response	Amount
2.39	50.00	2117	0.217400
2.40	52.00	438	

Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

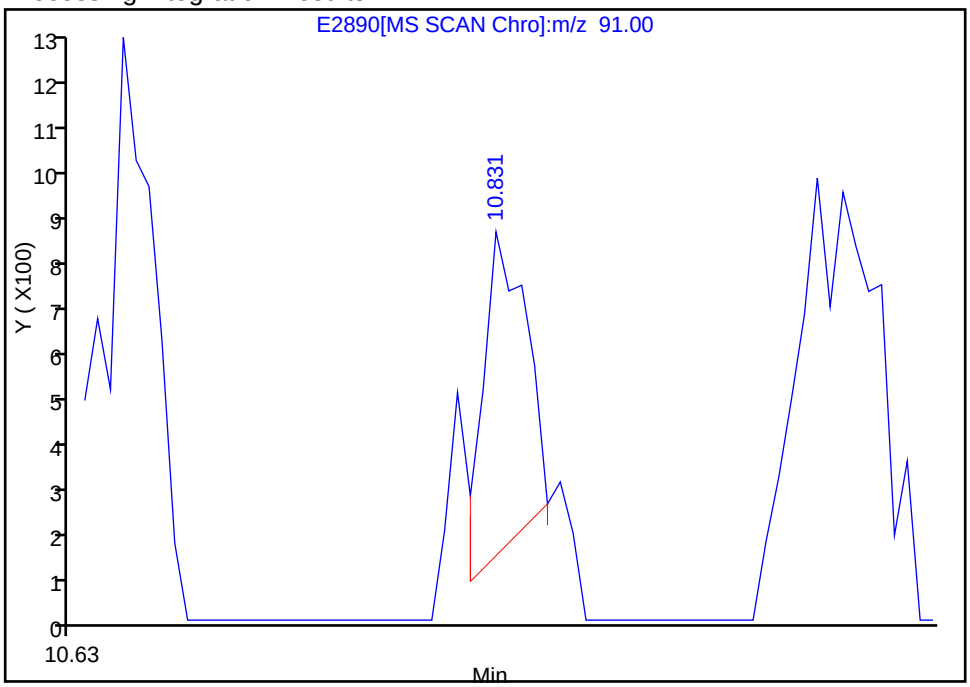
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

64 Ethylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 10.84

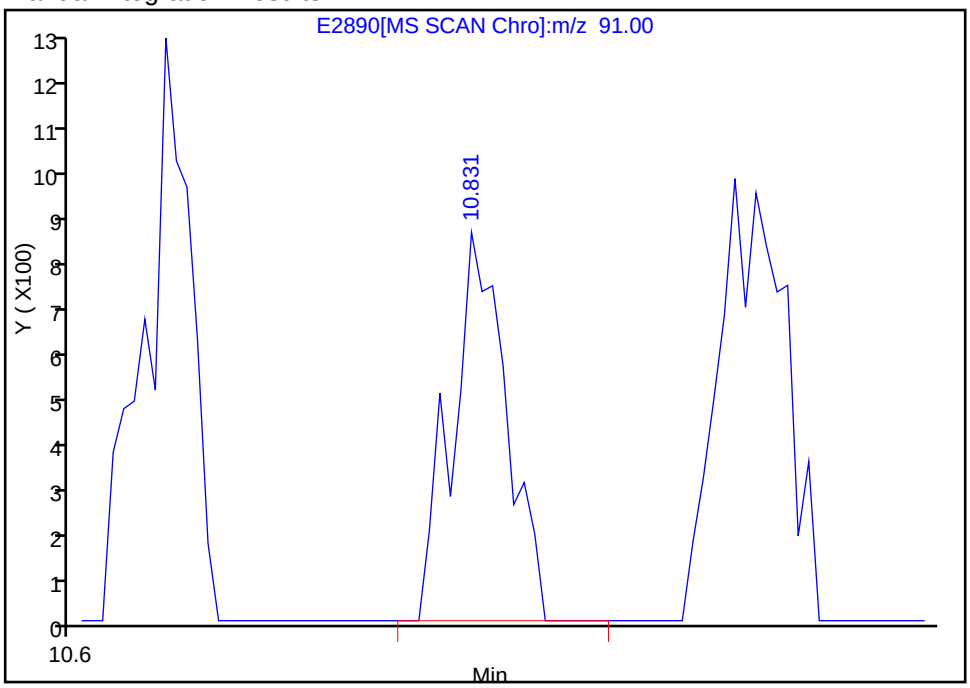
Processing Integration Results

RT: 10.83
Response: 948
Amount: 0.283562



Manual Integration Results

RT: 10.83
Response: 1779
Amount: 0.301184



Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

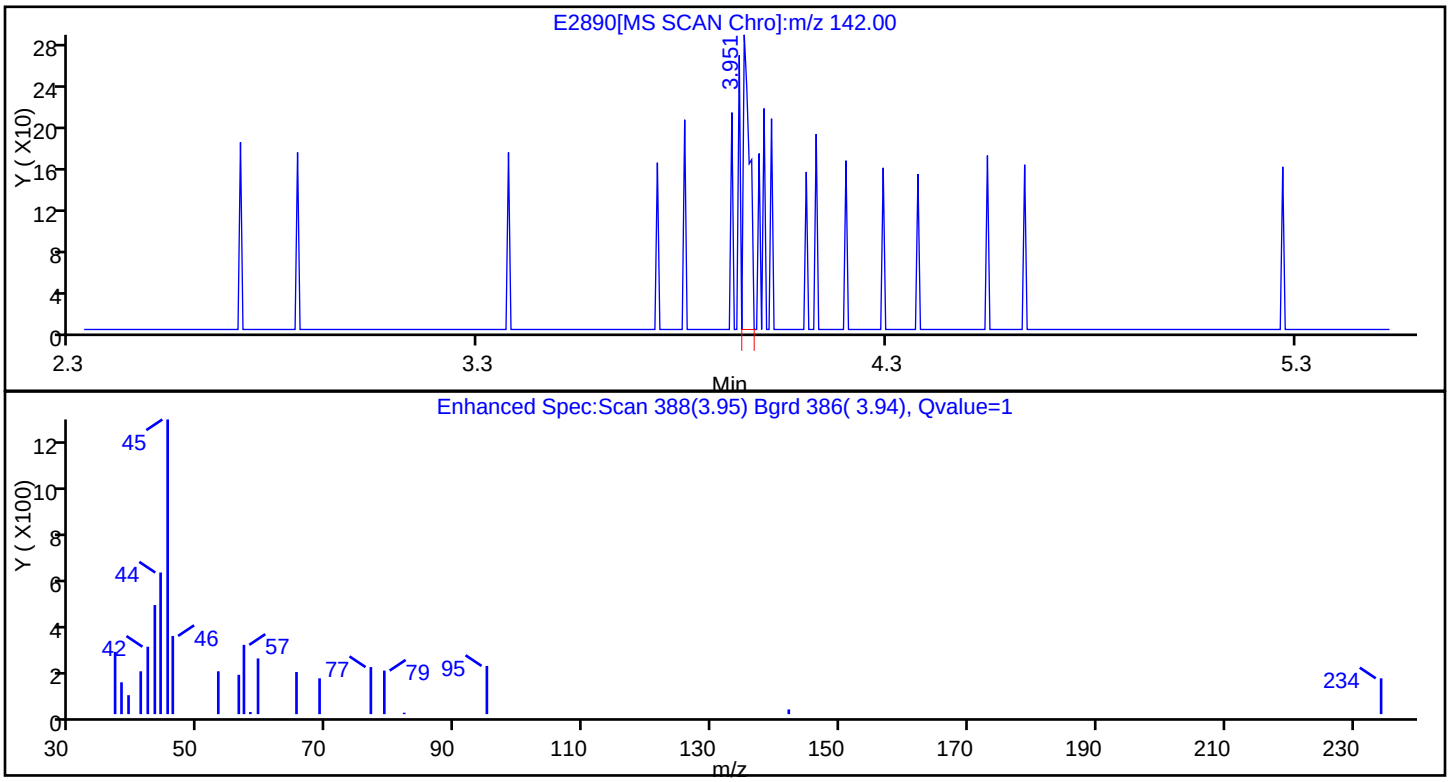
Report Date: 23-Aug-2011 11:14:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.95	142.00	312	2.927948
3.96	127.00	159	

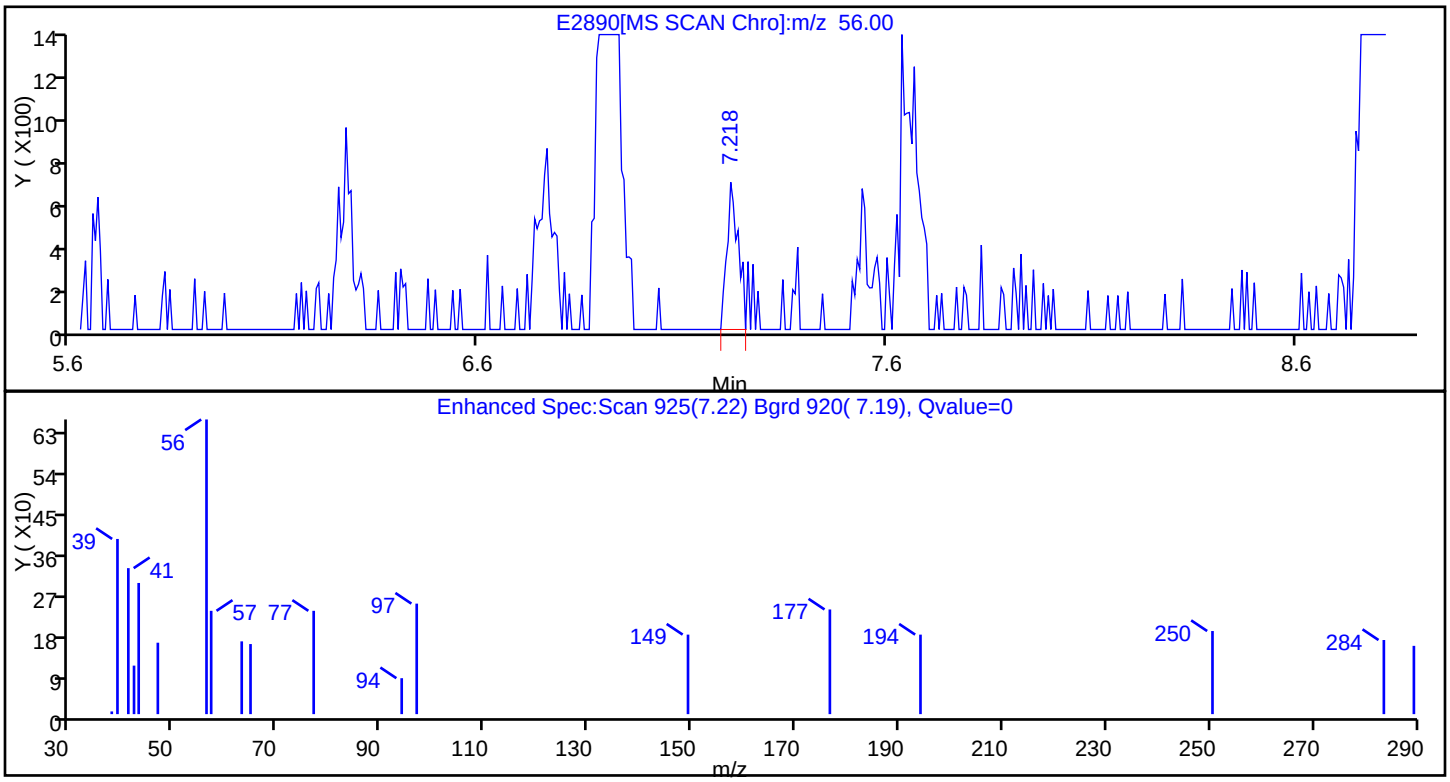
Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	1260	6.431841
7.22	41.00	1510	
7.21	43.00	577	

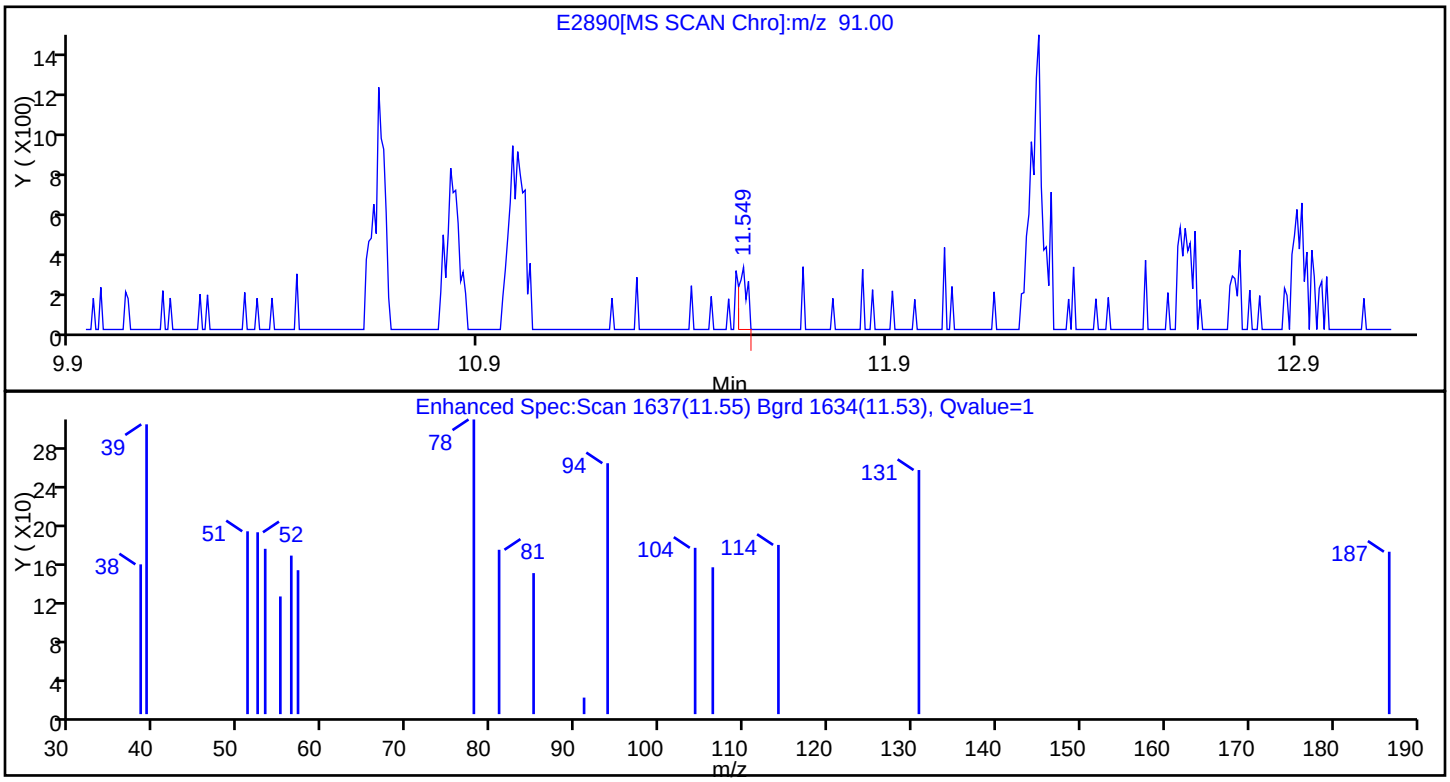
Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2890.D		
Injection Date:	23-Aug-2011 09:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	NSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	11
Operator ID:	WH		

66 o-Xylene

Processing Results



RT	Mass	Response	Amount
11.55	91.00	428	0.332175
11.54	106.00	164	
11.56	77.00	131	

Reviewer: hobartw, 23-Aug-2011 11:14:25
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: ESW-1 | Lab Sample ID: 510-69047-2

Matrix: Solid | Lab File ID: E2891.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:05

Sample wt/vol: 32.092(g) | Date Analyzed: 08/23/2011 10:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.6 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.025		0.013	0.0025
107-02-8	Acrolein	<0.26		0.26	0.0031
71-43-2	Benzene	<0.0064		0.0064	0.0014
75-27-4	Bromodichloromethane	<0.0064		0.0064	0.00064
75-25-2	Bromoform	<0.0064		0.0064	0.0018
74-83-9	Bromomethane	<0.0064		0.0064	0.0022
75-15-0	Carbon disulfide	<0.0064		0.0064	0.0016
56-23-5	Carbon tetrachloride	<0.0064		0.0064	0.0015
108-90-7	Chlorobenzene	<0.0064		0.0064	0.00085
124-48-1	Chlorodibromomethane	<0.0064		0.0064	0.00064
75-00-3	Chloroethane	<0.0064		0.0064	0.0021
67-66-3	Chloroform	<0.0064		0.0064	0.0013
74-87-3	Chloromethane	<0.0064		0.0064	0.0018
156-59-2	cis-1,2-Dichloroethylene	<0.0064		0.0064	0.0015
10061-01-5	cis-1,3-Dichloropropene	<0.0064		0.0064	0.00064
110-82-7	Cyclohexane	<0.0064		0.0064	0.0020
106-93-4	1,2-Dibromoethane	<0.0064		0.0064	0.00064
75-35-4	1,1-Dichlorethylene	<0.0064		0.0064	0.0022
75-34-3	1,1-Dichloroethane	<0.0064		0.0064	0.0020
107-06-2	1,2-Dichloroethane	<0.0064		0.0064	0.0012
78-87-5	1,2-Dichloropropane	<0.0064		0.0064	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.013		0.013	
141-78-6	Ethyl acetate	<0.0064		0.0064	0.0013
100-41-4	Ethylbenzene	<0.0064		0.0064	0.00099
74-88-4	Iodomethane	<0.013		0.013	0.0047
98-82-8	Isopropylbenzene	<0.0064	*	0.0064	0.00094
79-20-9	Methyl acetate	<0.0064		0.0064	0.00094
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.013		0.013	0.0010
108-87-2	Methylcyclohexane	<0.0064		0.0064	0.0015
75-09-2	Methylene Chloride	<0.0064		0.0064	0.0016
78-93-3	Methyl ethyl ketone (MEK)	<0.013		0.013	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.013		0.013	0.00064
1634-04-4	Methyl tert-butyl ether	<0.0064		0.0064	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.019
110-54-3	n-Hexane	<0.0064		0.0064	0.0026
103-65-1	n-Propylbenzene	<0.0064	*	0.0064	0.0026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: ESW-1 | Lab Sample ID: 510-69047-2

Matrix: Solid | Lab File ID: E2891.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:05

Sample wt/vol: 32.092(g) | Date Analyzed: 08/23/2011 10:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.6 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0064	*	0.0064	0.00086
630-20-6	1,1,1,2-Tetrachloroethane	<0.0064	*	0.0064	0.00088
79-34-5	1,1,2,2-Tetrachloroethane	<0.0064		0.0064	0.0014
127-18-4	Tetrachloroethylene	<0.0064		0.0064	0.0014
108-88-3	Toluene	<0.0064		0.0064	0.0014
156-60-5	trans-1,2-Dichloroethylene	<0.0064		0.0064	0.0022
10061-02-6	trans-1,3-Dichloropropene	<0.0064		0.0064	0.00064
71-55-6	1,1,1-Trichloroethane	<0.0064		0.0064	0.0015
79-00-5	1,1,2-Trichloroethane	<0.0064		0.0064	0.00088
79-01-6	Trichloroethene	<0.0064		0.0064	0.0015
75-69-4	Trichlorofluoromethane	<0.0064		0.0064	0.0022
95-63-6	1,2,4-Trimethylbenzene	<0.0064	*	0.0064	0.0026
108-67-8	1,3,5-Trimethylbenzene	<0.0064	*	0.0064	0.00094
108-05-4	Vinyl acetate	<0.0064		0.0064	0.0016
75-01-4	Vinyl chloride	<0.0064		0.0064	0.0029
1330-20-7	Xylenes, Total	<0.013	*	0.013	0.0026

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	103		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		76-137
2037-26-5	Toluene-d8 (Surr)	91		70-130

Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D
Lims ID: 510-69047-D-2-A Client ID: ESW-1
Inject. Date: 23-Aug-2011 10:12:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-69047-D-2-A
Misc. Info.: 510-0005425-012 =510-0005425-012
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 85487 Lims Sample ID: 12
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 07:16:53 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 23-Aug-2011 11:51:18

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.919	6.919	0.0	0	1389180	50.0	M
* 2 Chlorobenzene-d5	117	10.655	10.655	0.0	87	975291	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.921	13.921	0.0	97	480702	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.536	6.536	0.0	0	455933	65.4	
$ 6 Toluene-d8 (Surr)	98	8.793	8.793	0.0	85	1281419	45.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.267	12.261	0.006	84	493194	51.5	
18 Acetone	58	3.823	3.811	0.012	97	25956	19.8	
22 Methylene Chloride	84	4.279	4.279	0.0	29	2167	0.2466	
27 Hexane	57	4.863	4.863	0.0	79	11966	1.23	
34 2-Butanone (MEK)	72	5.654	5.648	0.006	87	4750	1.36	
45 Trichloroethene	132	7.339	7.339	0.0	83	5407	0.5124	
64 Ethylbenzene	91	10.831	10.837	-0.006	53	4768	0.3675	M
80 1,2,4-Trimethylbenzene	105	13.423	13.423	0.0	17	5044	0.2463	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D

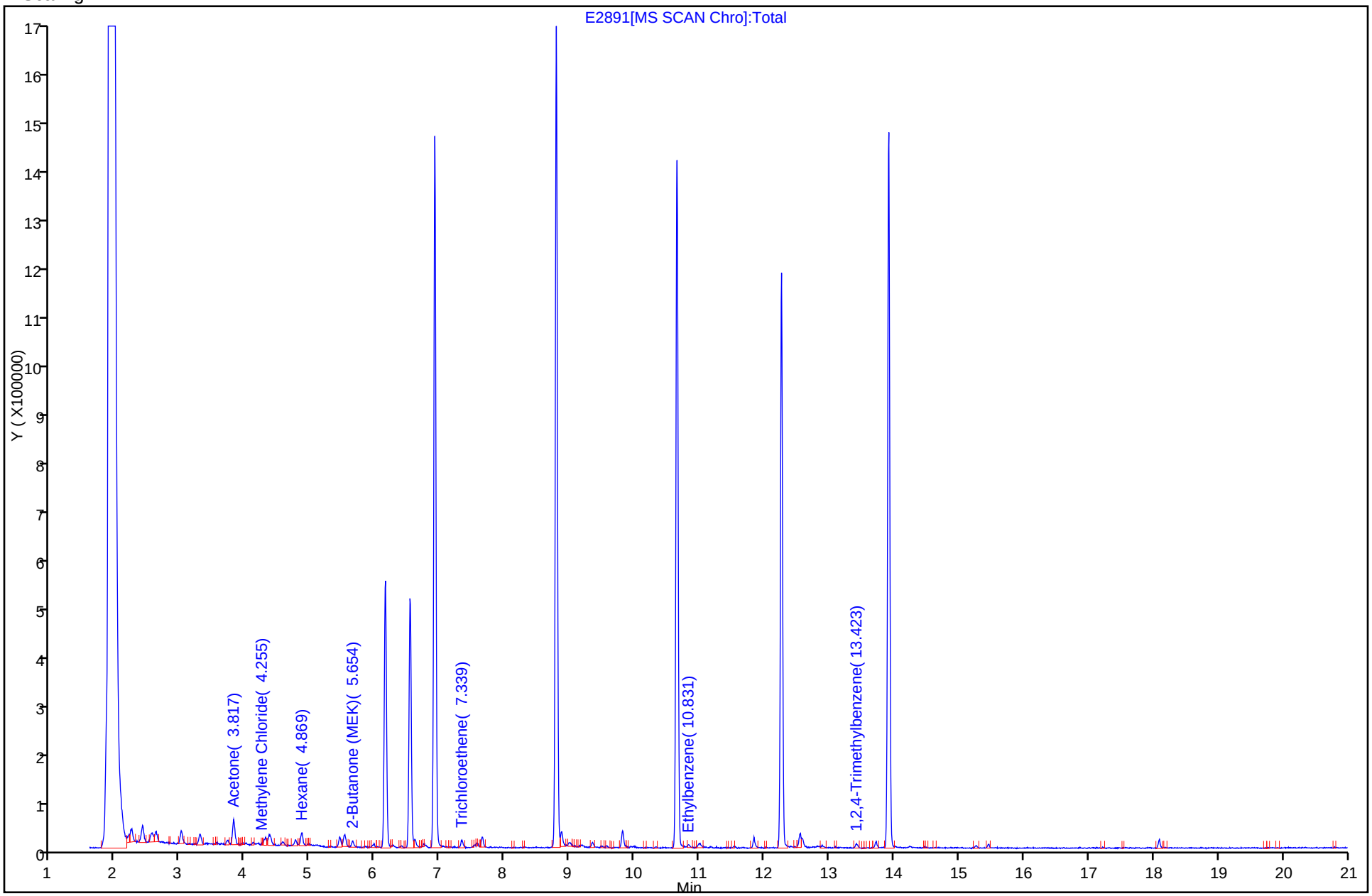
Injection Date: 23-Aug-2011 10:12:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: ESW-1 Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 12

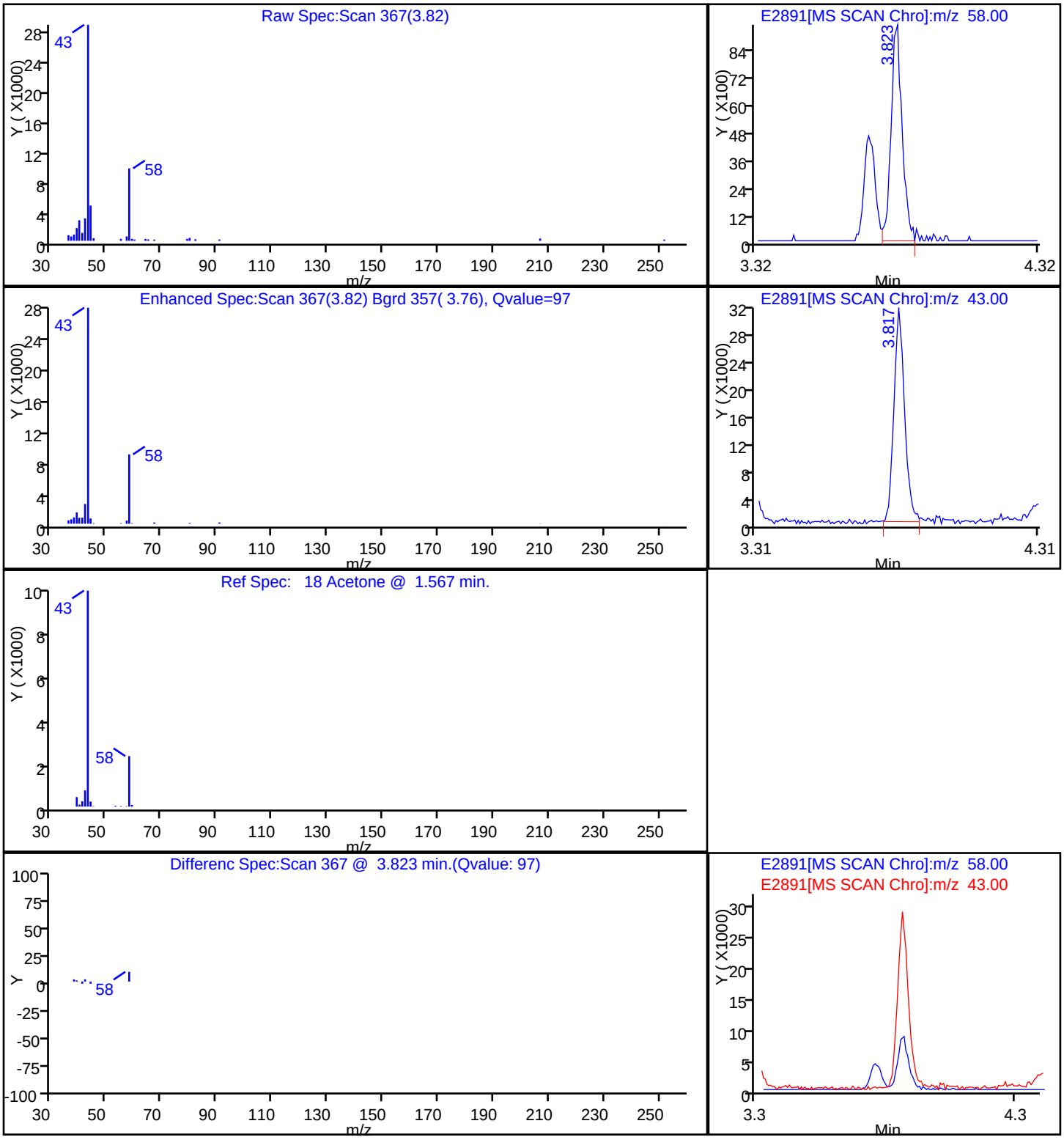
Operator ID: WH

Y Scaling:



Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D
Injection Date: 23-Aug-2011 10:12:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: ESW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 12
Operator ID: WH

18 Acetone

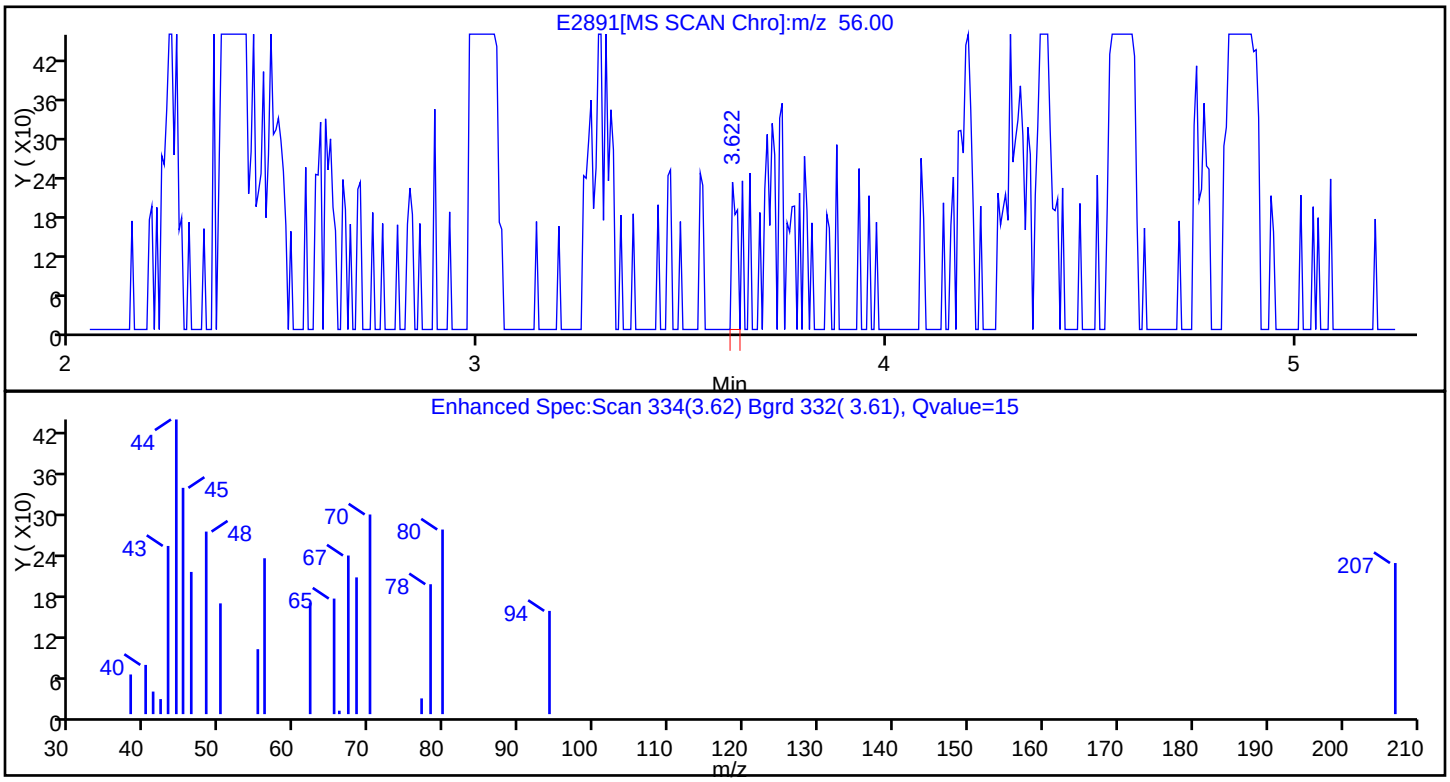


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.62	56.00	216	0.377985
3.62	55.00	918	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D

Injection Date: 23-Aug-2011 10:12:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: ESW-1 Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 12

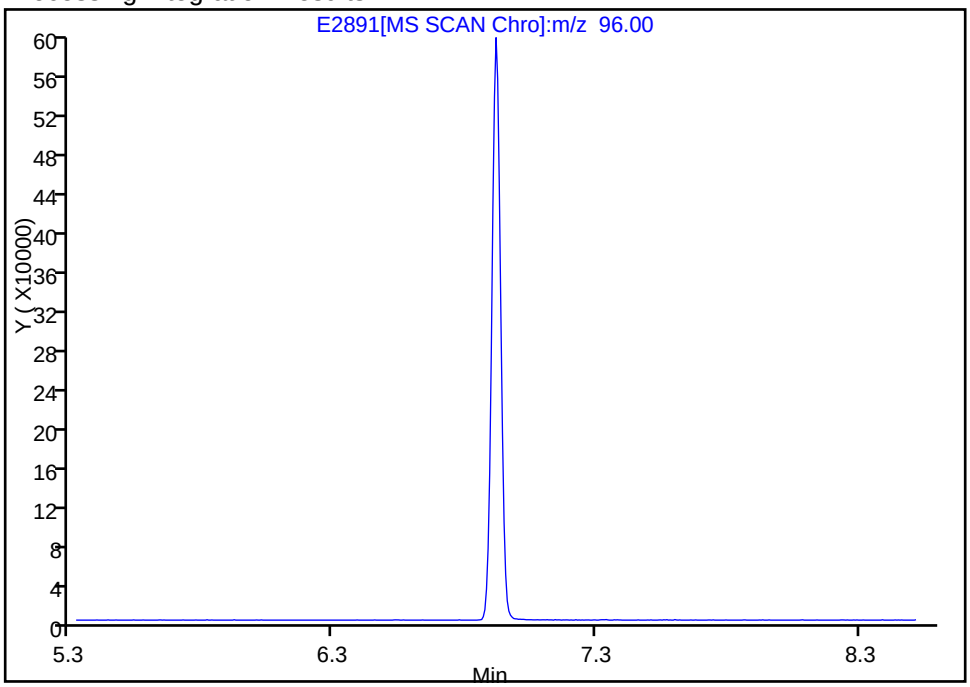
Operator ID: WH

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

Processing Integration Results

Not Detected

Expected RT: 6.92

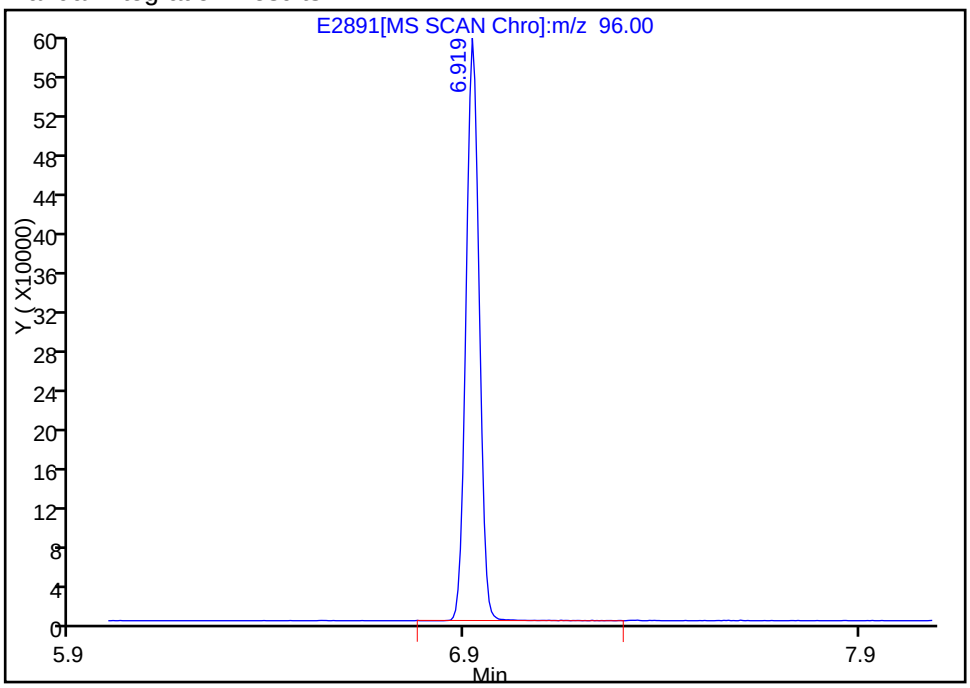


Manual Integration Results

RT: 6.92

Response: 1389180

Amount: 50.000000



Reviewer: hobartw, 23-Aug-2011 11:51:18

Audit Action: Manually Integrated

Audit Reason: Assign Peak

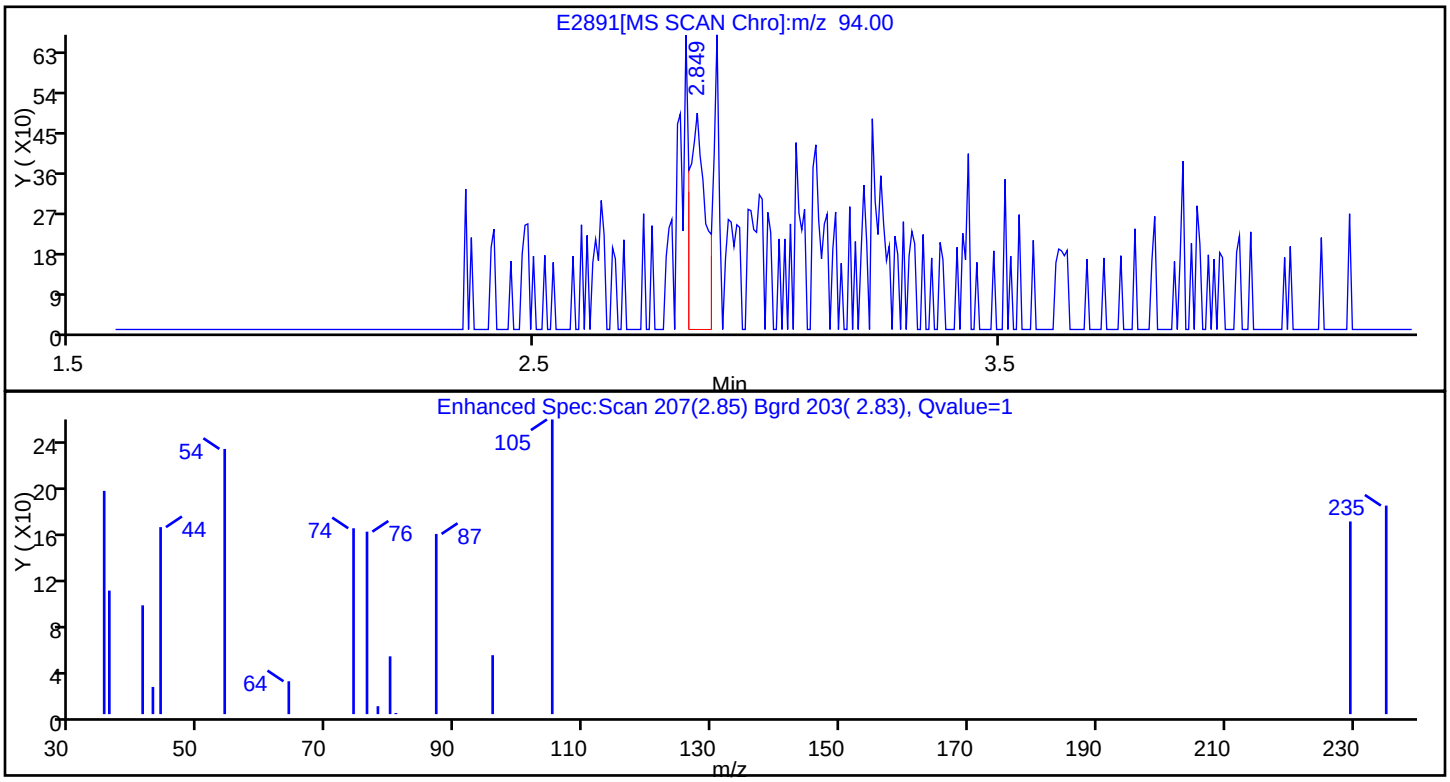
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

11 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.85	94.00	1117	0.250040
2.85	96.00	404	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

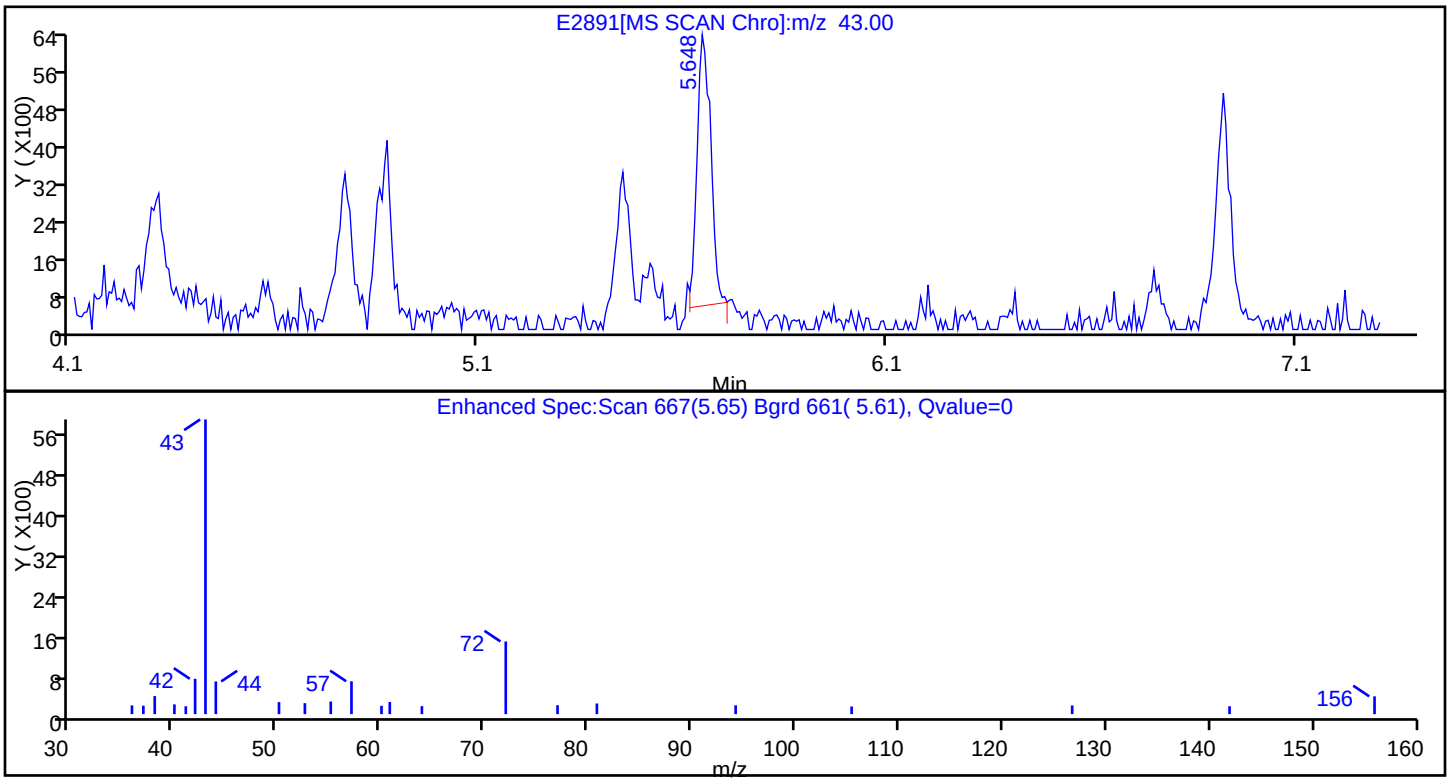
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

105 Ethyl acetate

Processing Results



RT	Mass	Response	Amount
5.65	43.00	13559	1.843919
5.65	61.00	145	
5.66	70.00	146	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

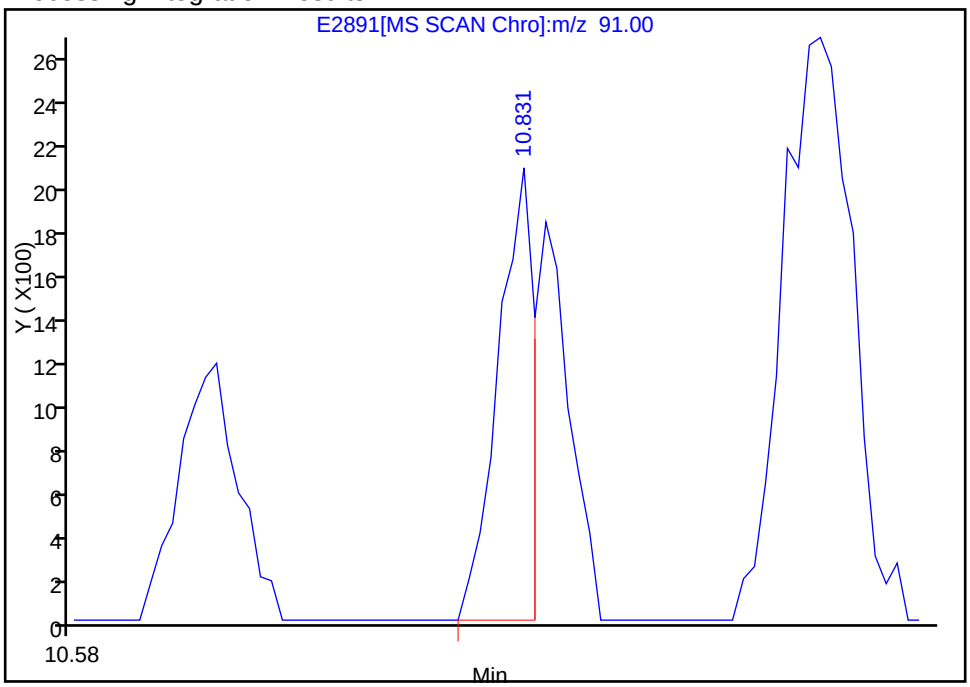
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

64 Ethylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 10.84

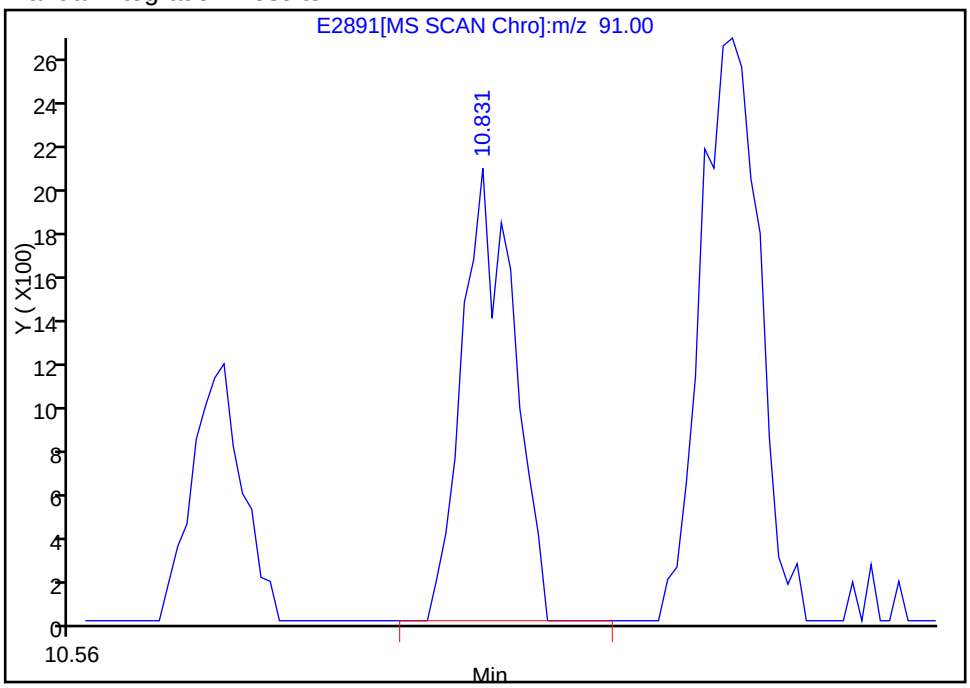
Processing Integration Results

RT: 10.83
Response: 2818
Amount: 0.324930



Manual Integration Results

RT: 10.83
Response: 4768
Amount: 0.367476



Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Manually Integrated
Audit Reason: Split Peak

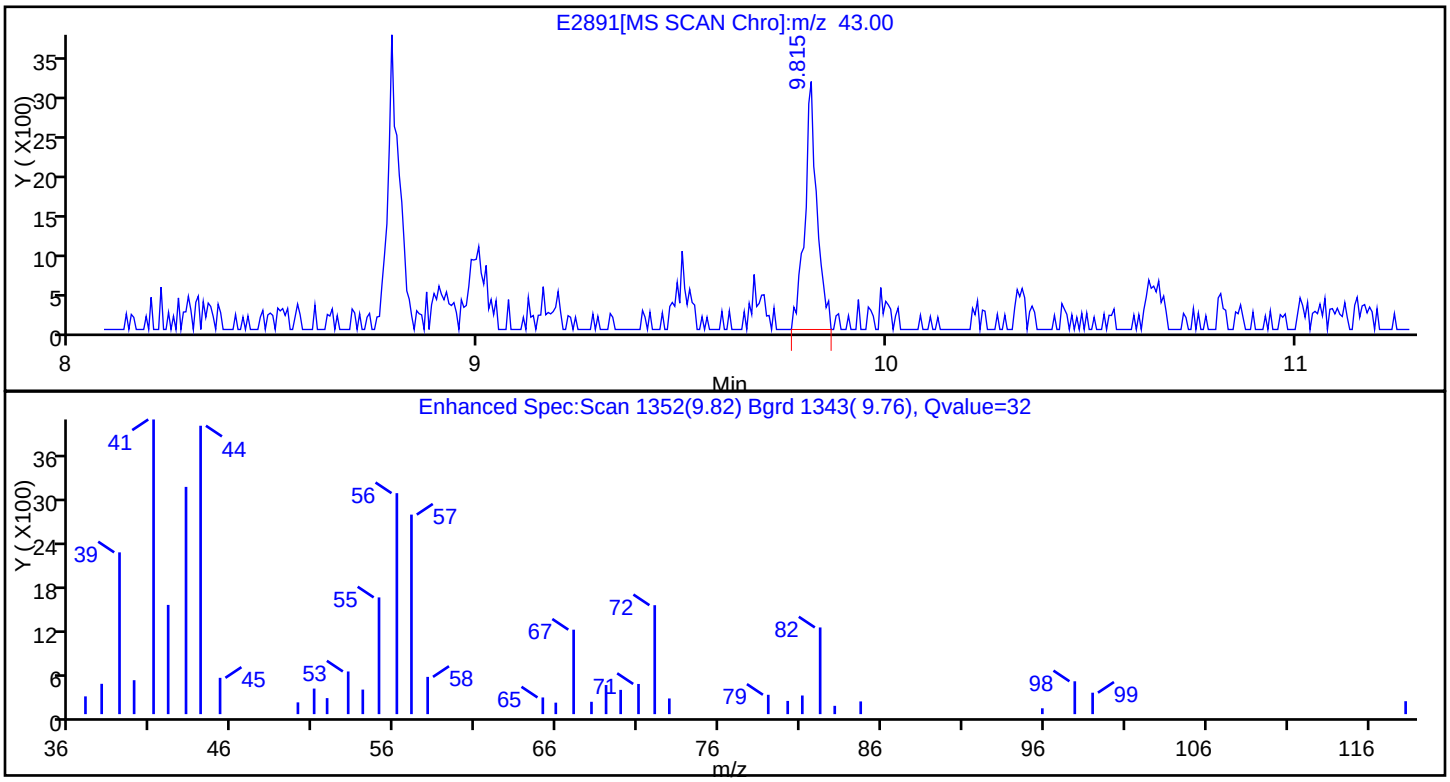
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.82	43.00	6476	1.401201
9.81	58.00	984	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

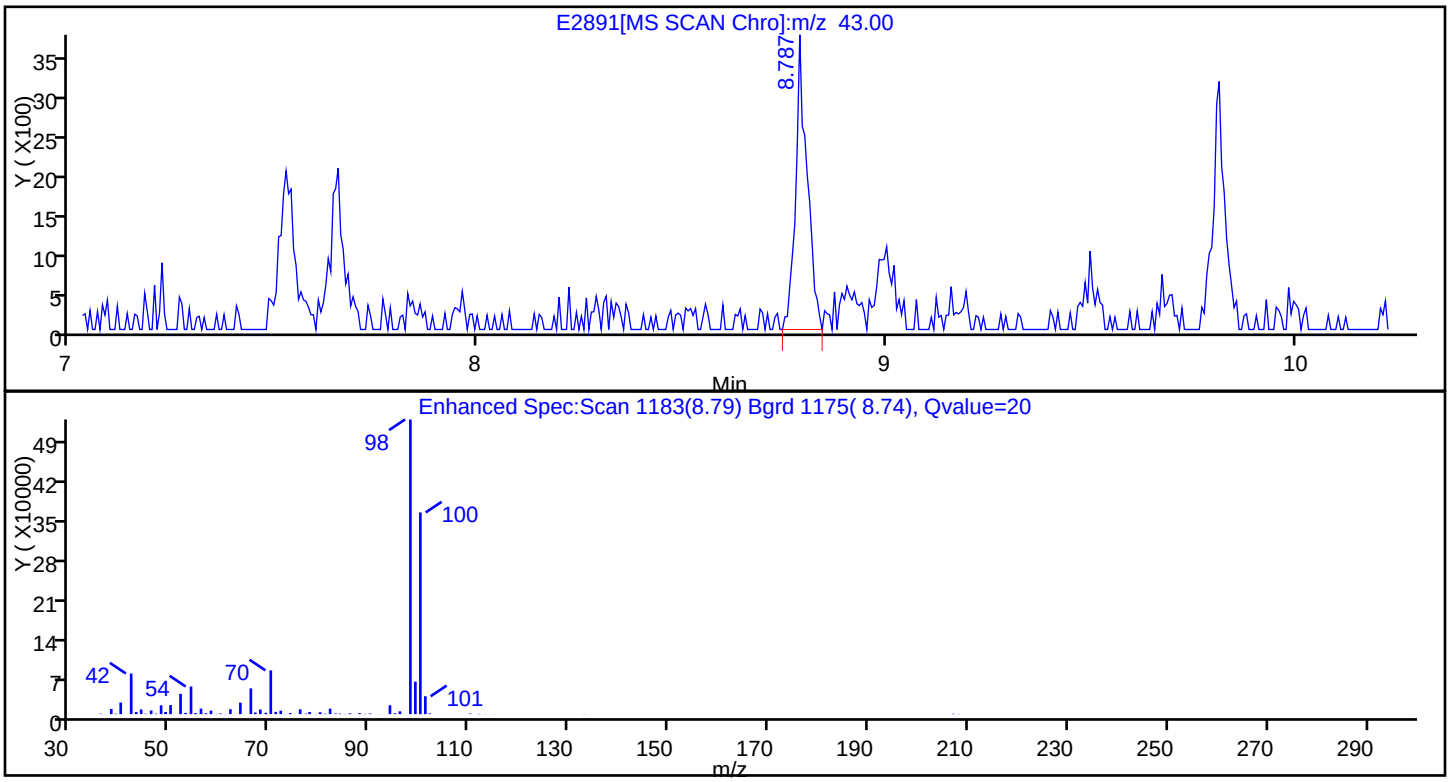
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	7296	1.260991
8.79	58.00	11976	
8.79	85.00	242	

Reviewer: hobartw, 23-Aug-2011 11:51:18

Audit Action: Marked Compound Undetected

Audit Reason:

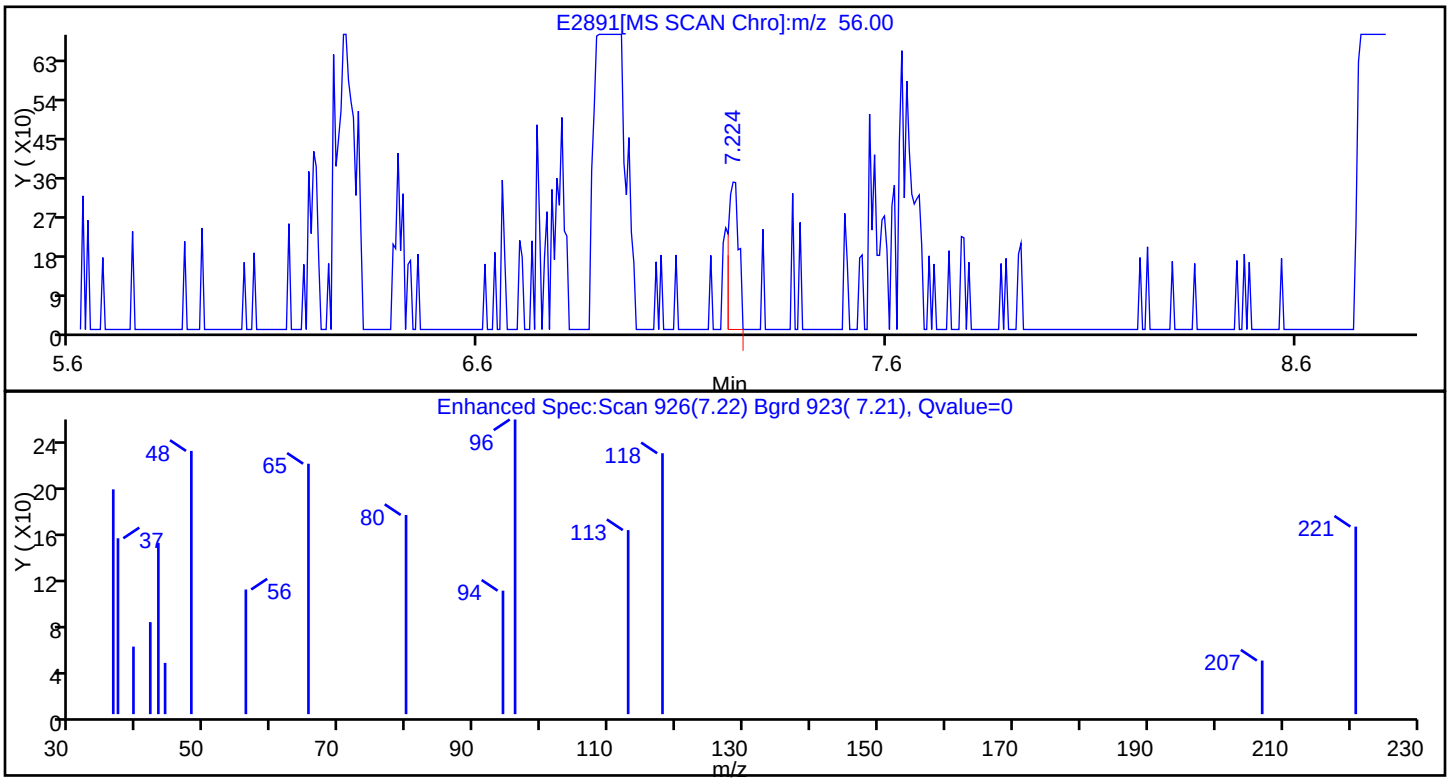
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	584	3.188548
7.23	41.00	615	
7.22	43.00	461	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

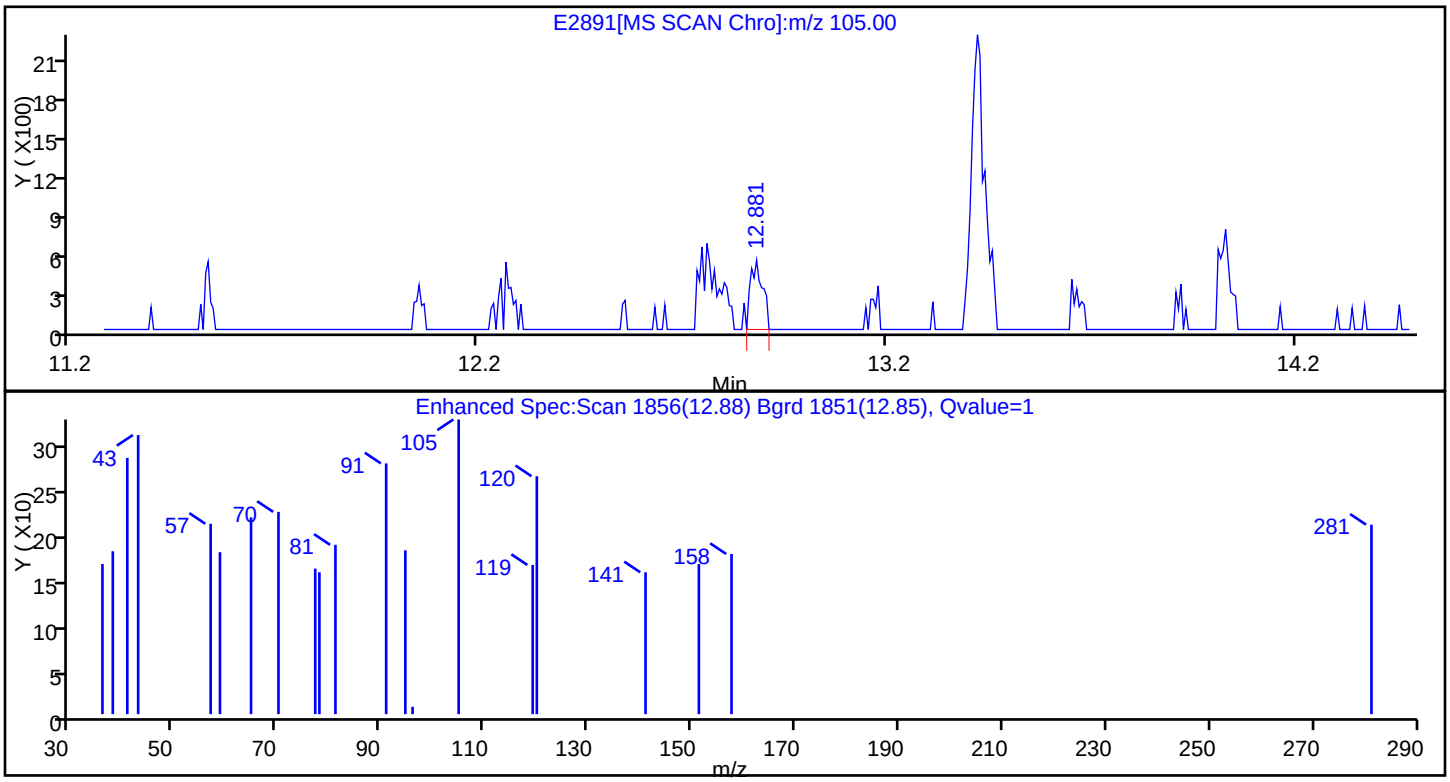
Report Date: 23-Aug-2011 11:51:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.88	105.00	1058	0.361162
12.88	120.00	178	
12.89	91.00	350	

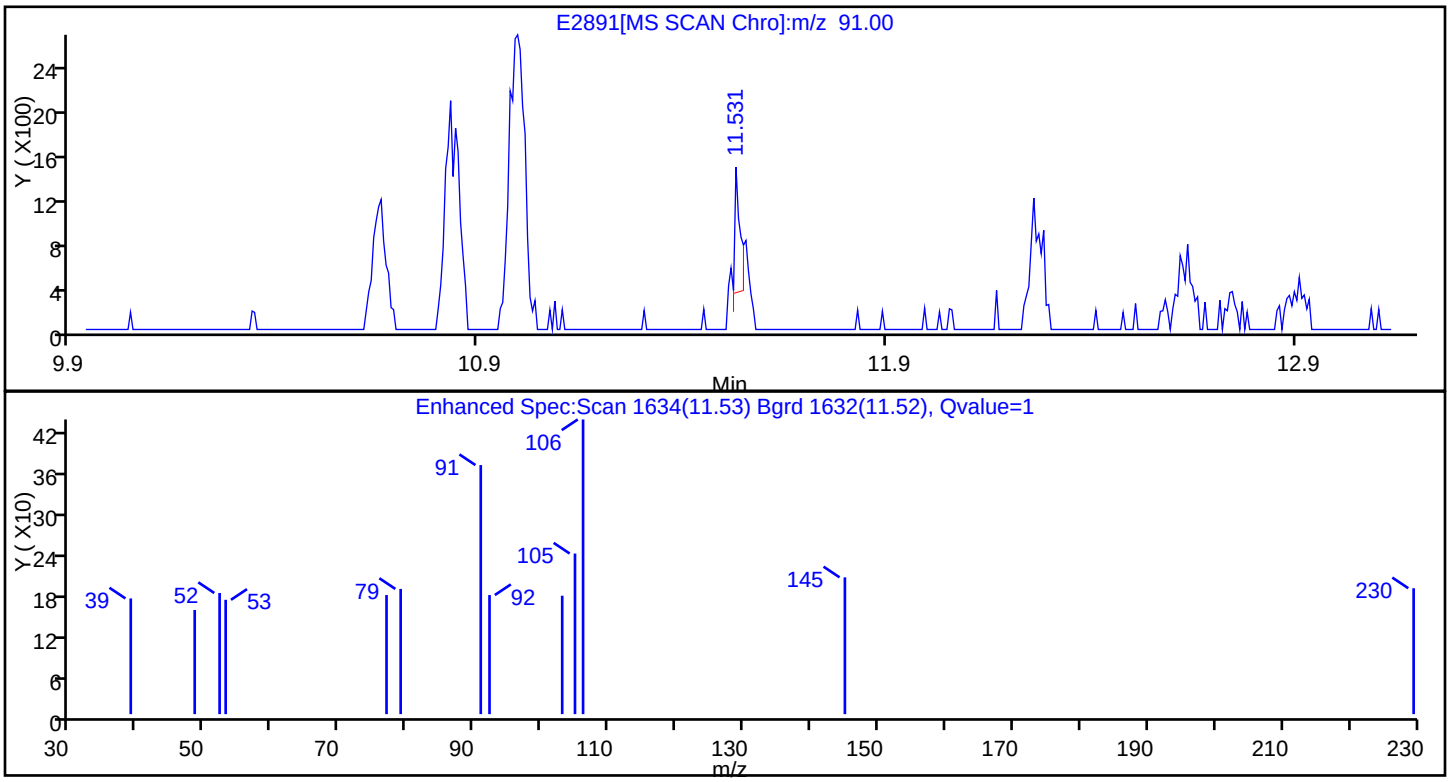
Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2891.D		
Injection Date:	23-Aug-2011 10:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	ESW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	12
Operator ID:	WH		

66 o-Xylene

Processing Results



RT	Mass	Response	Amount
11.53	91.00	974	0.347806
11.54	106.00	656	
11.53	77.00	335	

Reviewer: hobartw, 23-Aug-2011 11:51:18
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WSW-1 | Lab Sample ID: 510-69047-3

Matrix: Solid | Lab File ID: E2892.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:10

Sample wt/vol: 32.045(g) | Date Analyzed: 08/23/2011 10:46

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.013		0.012	0.0024
107-02-8	Acrolein	<0.25		0.25	0.0030
71-43-2	Benzene	<0.0061		0.0061	0.0014
75-27-4	Bromodichloromethane	<0.0061		0.0061	0.00062
75-25-2	Bromoform	<0.0061		0.0061	0.0018
74-83-9	Bromomethane	<0.0061		0.0061	0.0021
75-15-0	Carbon disulfide	<0.0061		0.0061	0.0016
56-23-5	Carbon tetrachloride	<0.0061		0.0061	0.0014
108-90-7	Chlorobenzene	<0.0061		0.0061	0.00082
124-48-1	Chlorodibromomethane	<0.0061		0.0061	0.00061
75-00-3	Chloroethane	<0.0061		0.0061	0.0020
67-66-3	Chloroform	<0.0061		0.0061	0.0013
74-87-3	Chloromethane	<0.0061		0.0061	0.0017
156-59-2	cis-1,2-Dichloroethylene	<0.0061		0.0061	0.0014
10061-01-5	cis-1,3-Dichloropropene	<0.0061		0.0061	0.00061
110-82-7	Cyclohexane	<0.0061		0.0061	0.0019
106-93-4	1,2-Dibromoethane	<0.0061		0.0061	0.00061
75-35-4	1,1-Dichlorethylene	<0.0061		0.0061	0.0021
75-34-3	1,1-Dichloroethane	<0.0061		0.0061	0.0020
107-06-2	1,2-Dichloroethane	<0.0061		0.0061	0.0012
78-87-5	1,2-Dichloropropane	<0.0061		0.0061	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.012		0.012	
141-78-6	Ethyl acetate	<0.0061		0.0061	0.0013
100-41-4	Ethylbenzene	<0.0061		0.0061	0.00095
74-88-4	Iodomethane	<0.012		0.012	0.0045
98-82-8	Isopropylbenzene	<0.0061	*	0.0061	0.00090
79-20-9	Methyl acetate	<0.0061		0.0061	0.00090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.00097
108-87-2	Methylcyclohexane	<0.0061		0.0061	0.0015
75-09-2	Methylene Chloride	<0.0061		0.0061	0.0016
78-93-3	Methyl ethyl ketone (MEK)	<0.012		0.012	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00061
1634-04-4	Methyl tert-butyl ether	<0.0061		0.0061	0.0010
71-36-3	n-Butanol	<0.12		0.12	0.018
110-54-3	n-Hexane	<0.0061		0.0061	0.0025
103-65-1	n-Propylbenzene	<0.0061	*	0.0061	0.0025

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WSW-1 | Lab Sample ID: 510-69047-3

Matrix: Solid | Lab File ID: E2892.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:10

Sample wt/vol: 32.045(g) | Date Analyzed: 08/23/2011 10:46

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0061	*	0.0061	0.00082
630-20-6	1,1,1,2-Tetrachloroethane	<0.0061	*	0.0061	0.00084
79-34-5	1,1,2,2-Tetrachloroethane	<0.0061		0.0061	0.0014
127-18-4	Tetrachloroethylene	<0.0061		0.0061	0.0013
108-88-3	Toluene	<0.0061		0.0061	0.0014
156-60-5	trans-1,2-Dichloroethylene	<0.0061		0.0061	0.0021
10061-02-6	trans-1,3-Dichloropropene	<0.0061		0.0061	0.00061
71-55-6	1,1,1-Trichloroethane	<0.0061		0.0061	0.0014
79-00-5	1,1,2-Trichloroethane	<0.0061		0.0061	0.00085
79-01-6	Trichloroethene	<0.0061		0.0061	0.0014
75-69-4	Trichlorofluoromethane	<0.0061		0.0061	0.0021
95-63-6	1,2,4-Trimethylbenzene	<0.0061	*	0.0061	0.0025
108-67-8	1,3,5-Trimethylbenzene	<0.0061	*	0.0061	0.00090
108-05-4	Vinyl acetate	<0.0061		0.0061	0.0015
75-01-4	Vinyl chloride	<0.0061		0.0061	0.0028
1330-20-7	Xylenes, Total	<0.012	*	0.012	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	134		76-137
2037-26-5	Toluene-d8 (Surr)	91		70-130

Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Lims ID:	510-69047-D-3-A	Client ID:	WSW-1
Inject. Date:	23-Aug-2011 10:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-D-3-A		
Misc. Info.:	510-0005425-013 =510-0005425-013		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	85487	Lims Sample ID:	13
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 12:22:44

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.923	6.919	0.004	0	1341199	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.655	-0.003	88	947489	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.921	-0.002	97	472780	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	450700	67.0	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	84	1237322	45.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	83	468906	49.8	
18 Acetone	58	3.820	3.811	0.009	97	18030	10.6	
27 Hexane	57	4.873	4.863	0.010	82	11382	1.21	
45 Trichloroethene	132	7.336	7.339	-0.003	73	3298	0.3237	
80 1,2,4-Trimethylbenzene	105	13.426	13.423	0.003	1	3712	0.2072	

QC Flag Legend

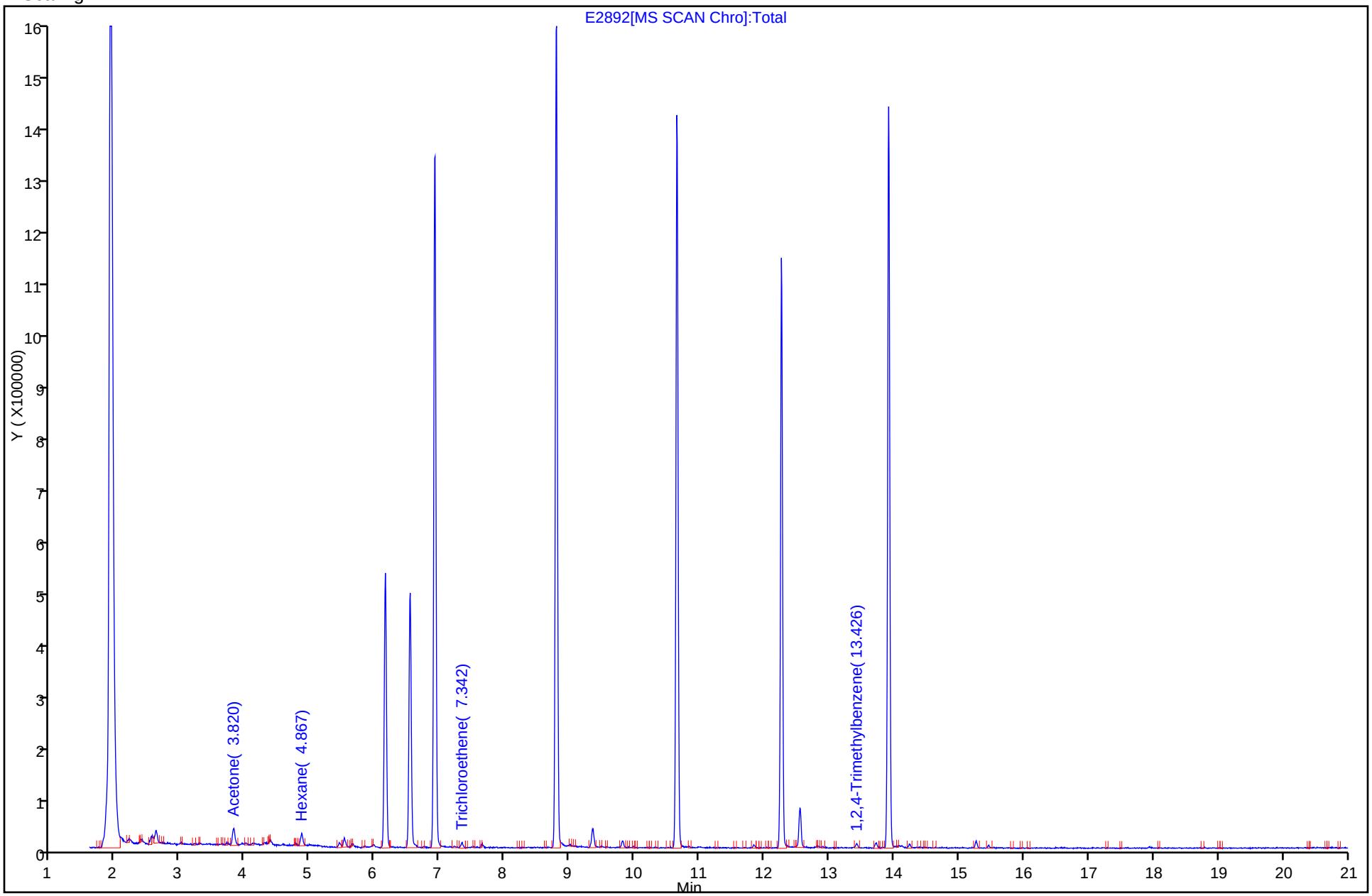
Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D

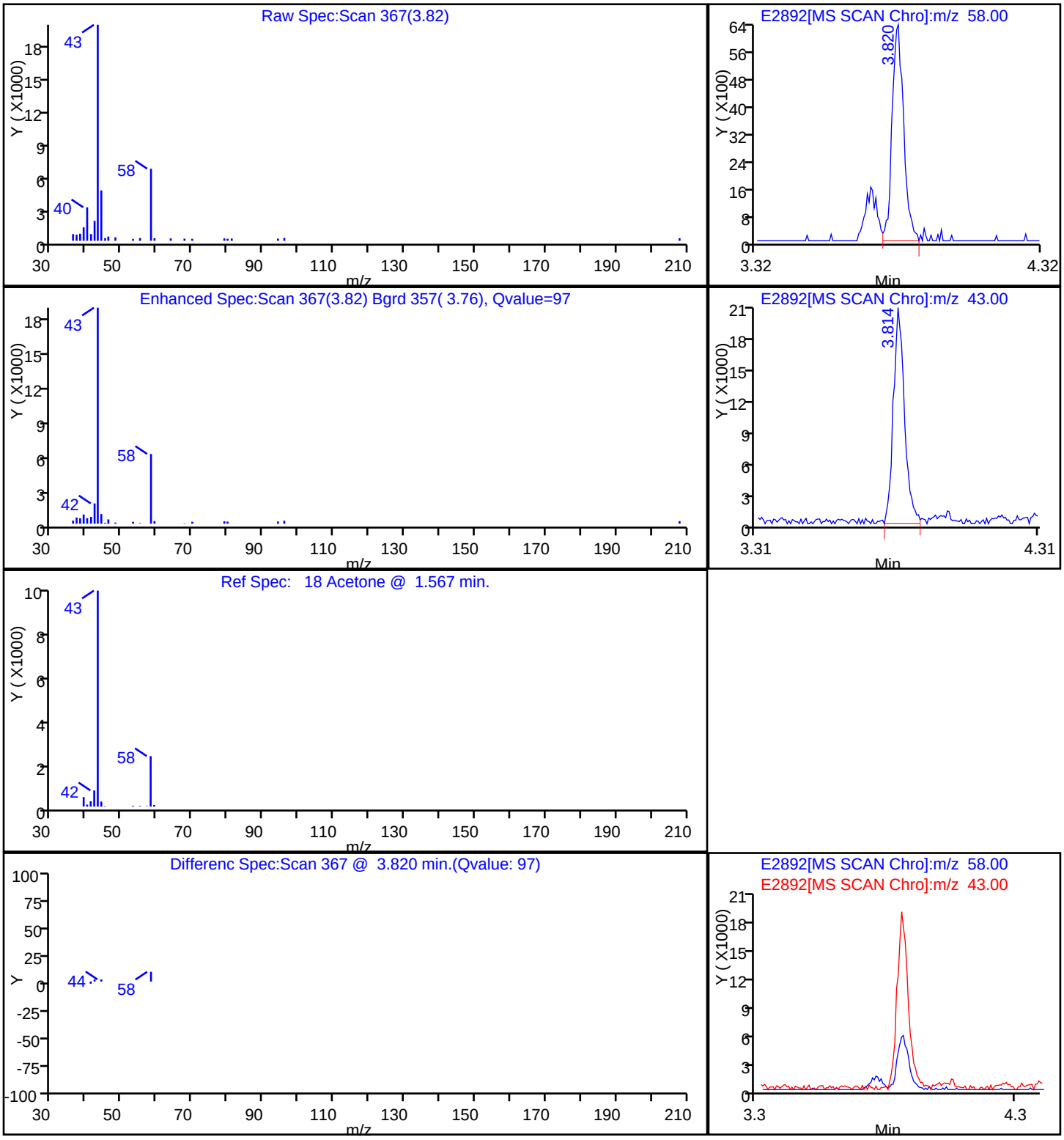
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

Y Scaling:



Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D
Injection Date: 23-Aug-2011 10:46:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: WSW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 13
Operator ID: WH

18 Acetone



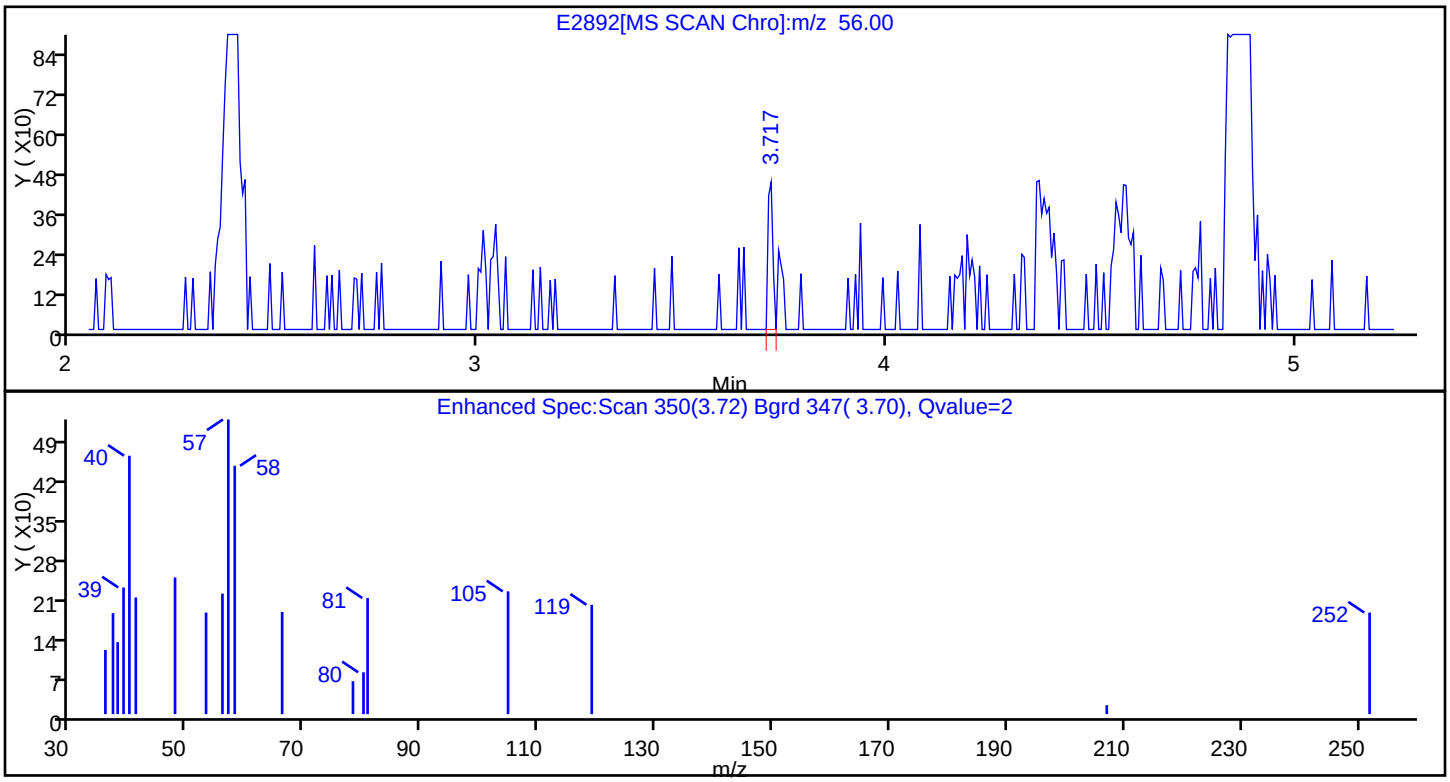
Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.72	56.00	373	0.676074
3.72	55.00	229	

Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

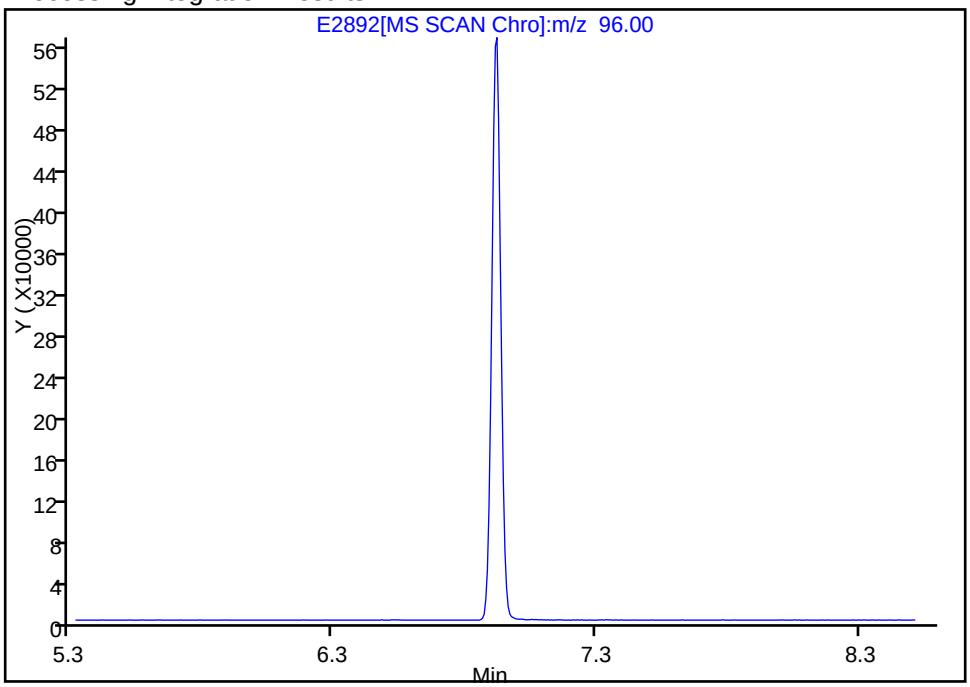
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

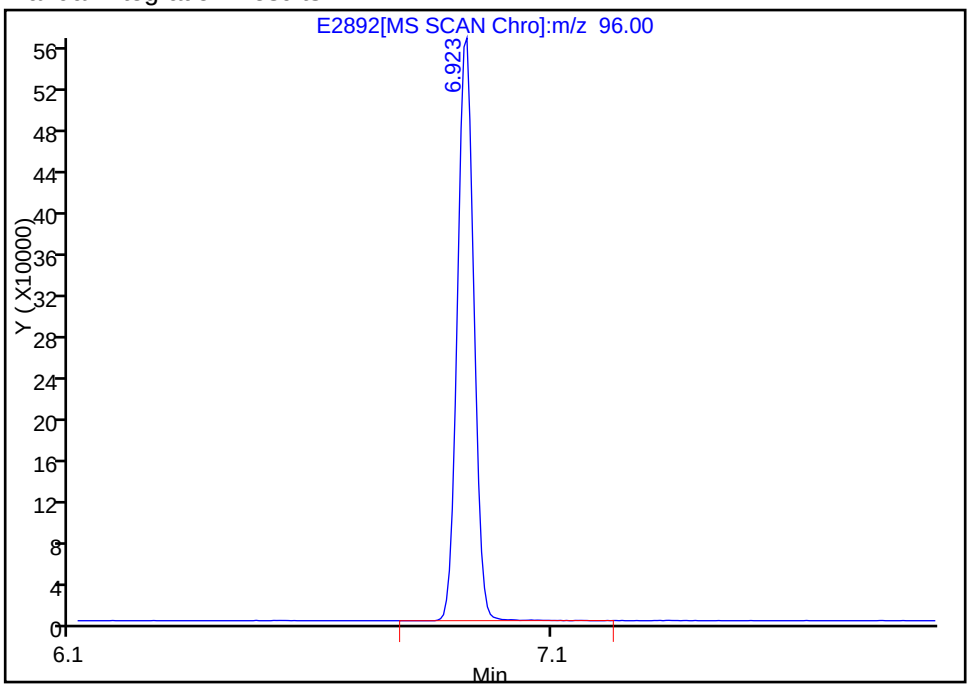
Processing Integration Results

Not Detected
Expected RT: 6.92



Manual Integration Results

RT: 6.92
Response: 1341199
Amount: 50.000000



Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

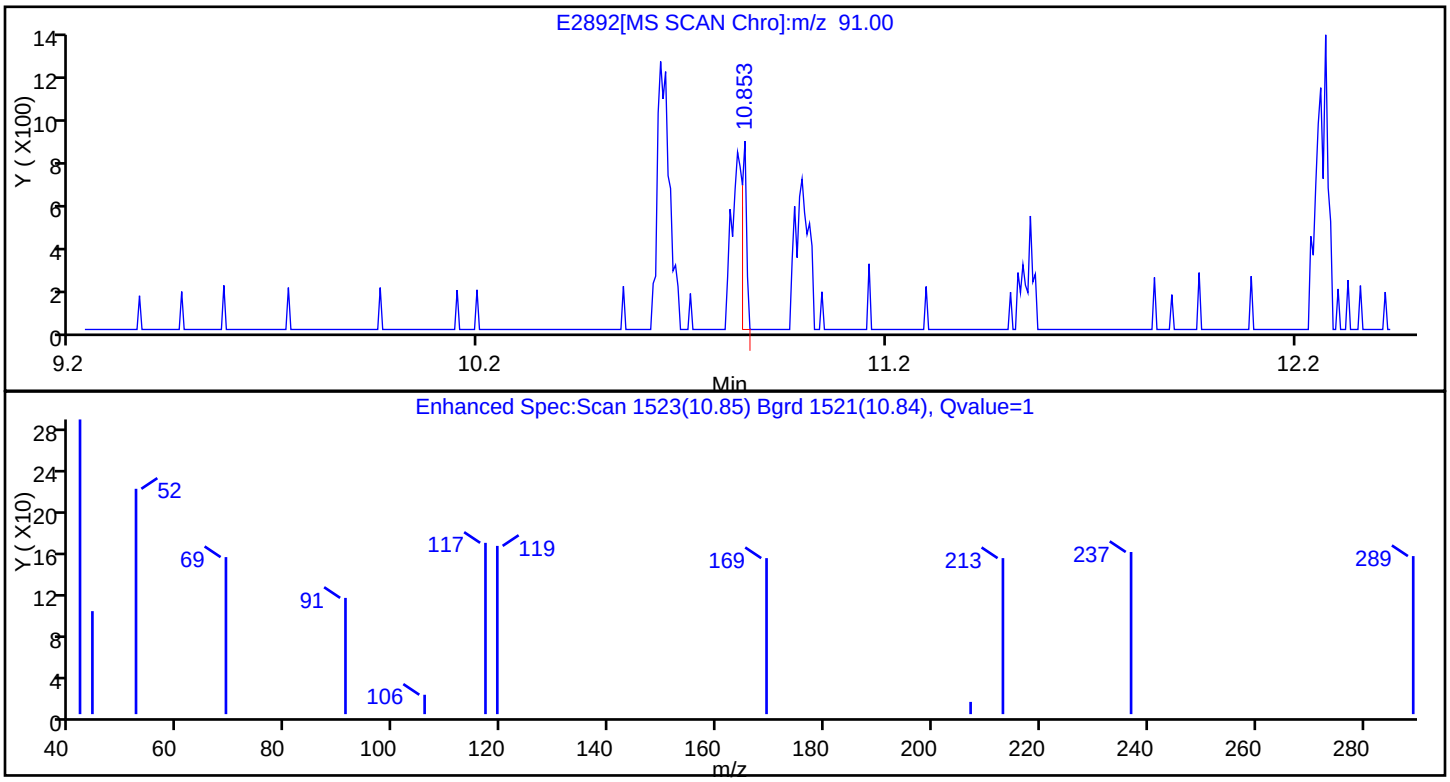
Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

64 Ethylbenzene

Processing Results



RT	Mass	Response	Amount
10.85	91.00	638	0.277785
10.85	106.00	347	

Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

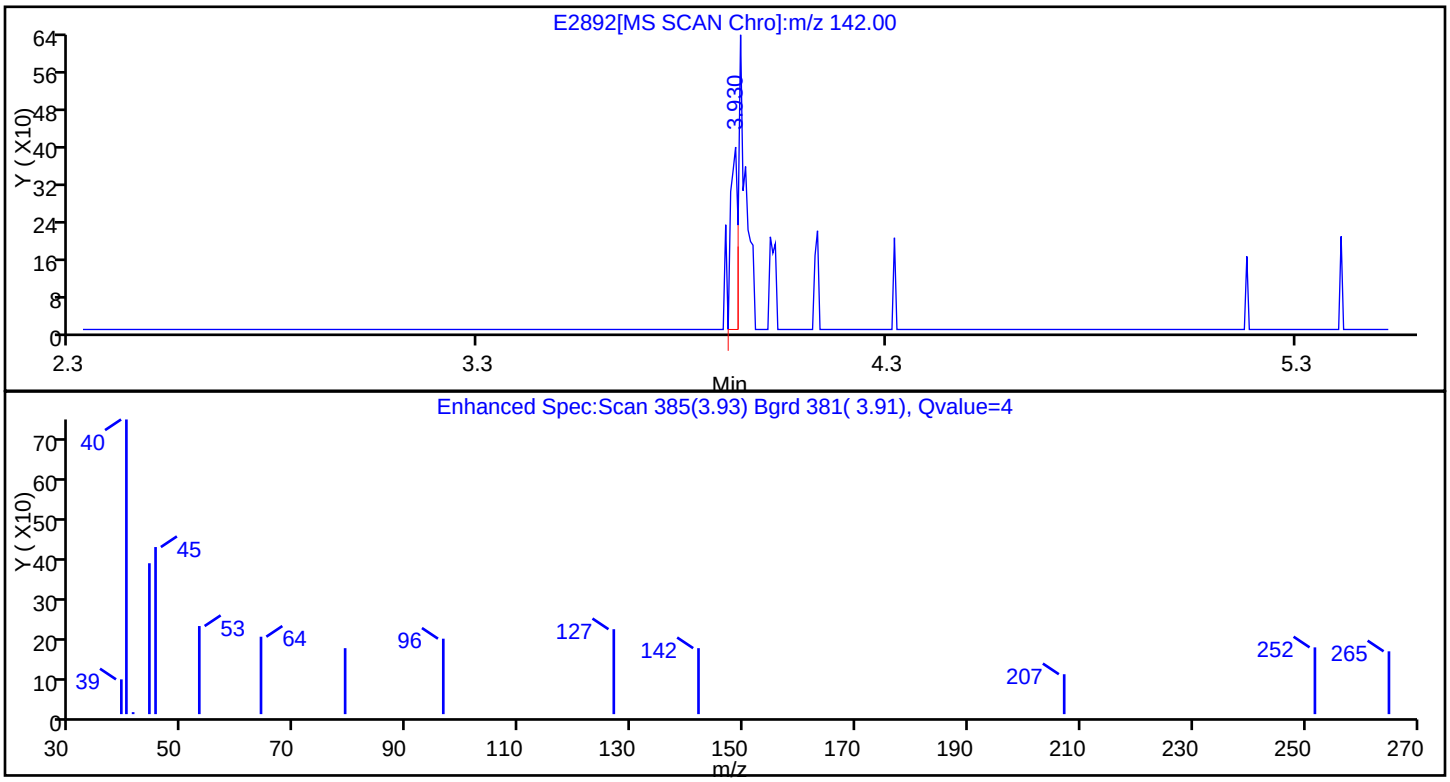
Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.93	142.00	458	2.958329
3.92	127.00	280	

Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

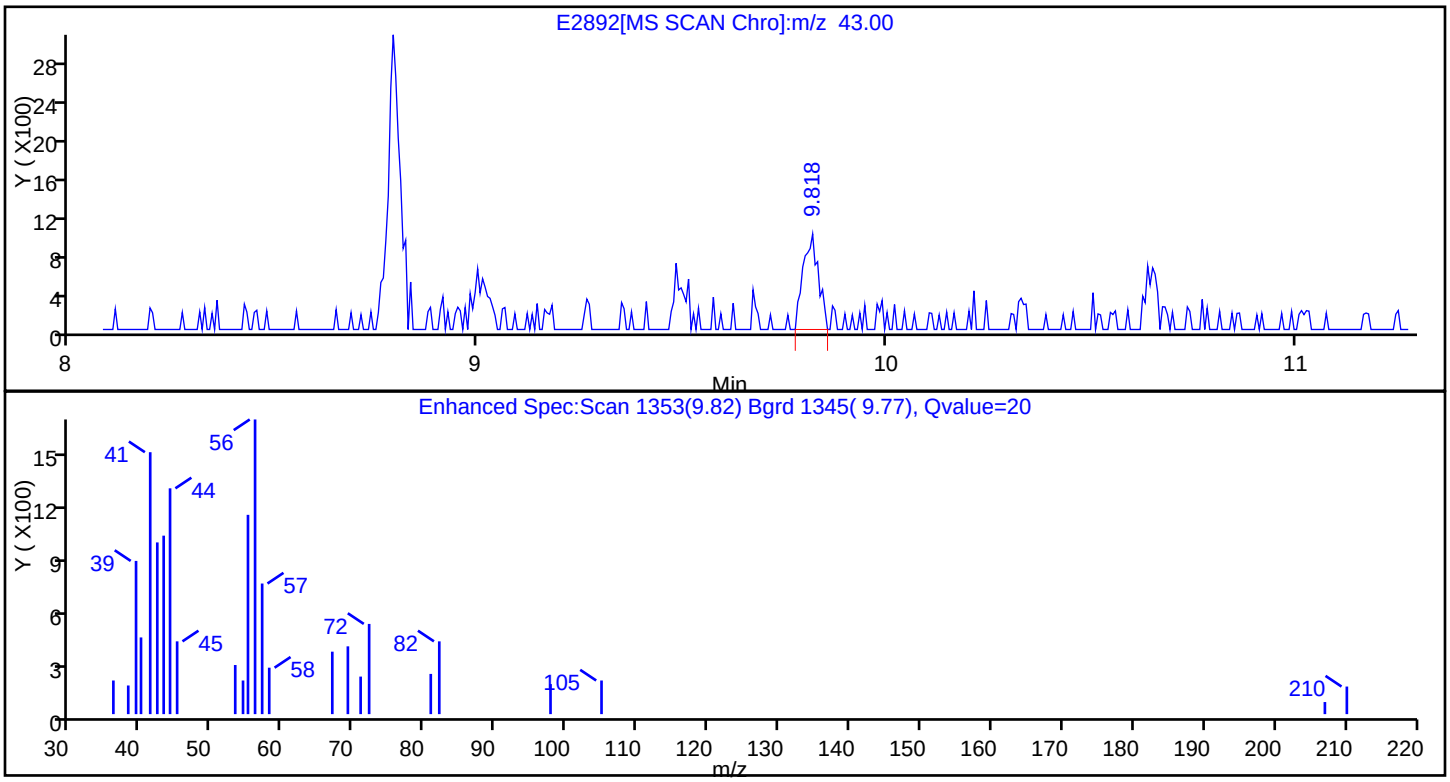
Report Date: 23-Aug-2011 12:22:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.82	43.00	2601	0.582907
9.82	58.00	151	

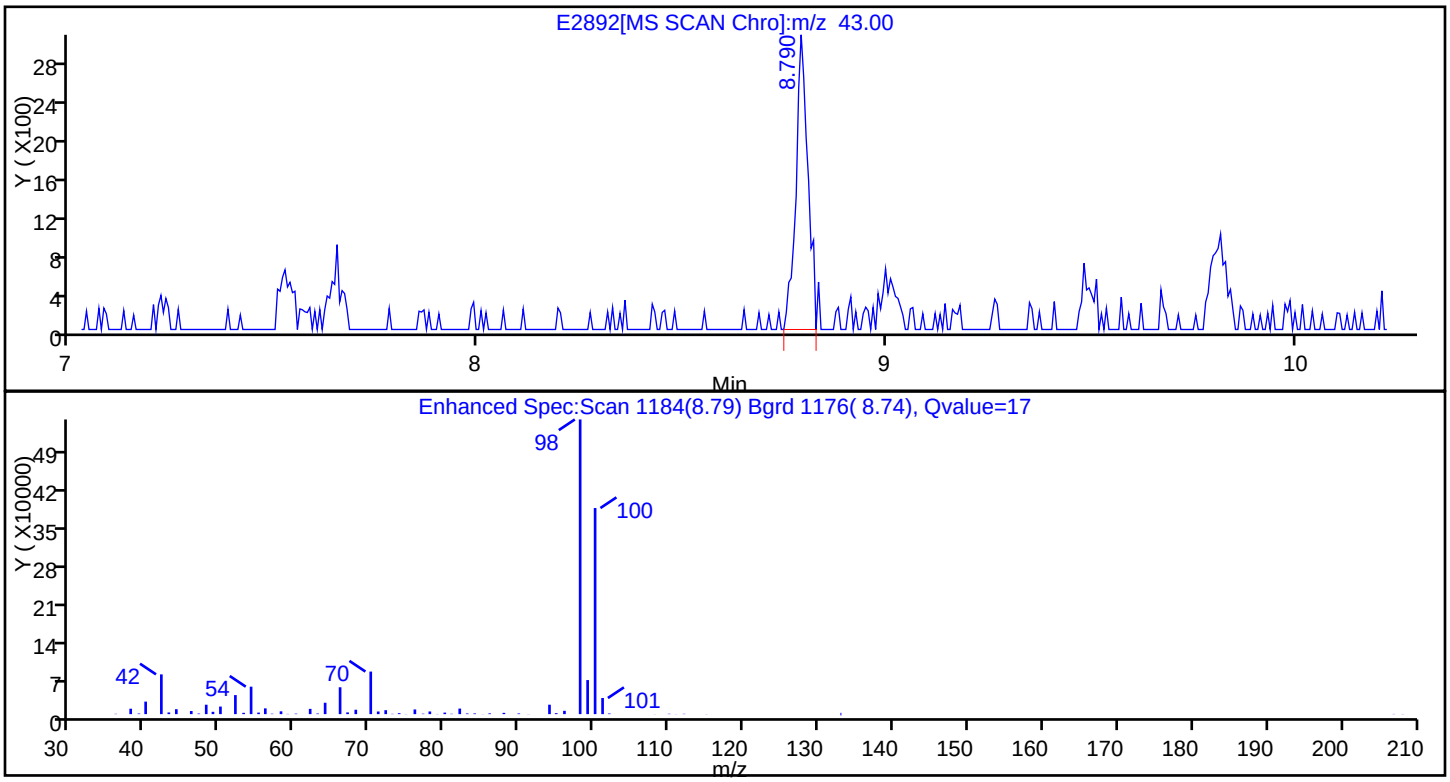
Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	6281	1.124401
8.80	58.00	12003	
8.78	85.00	346	

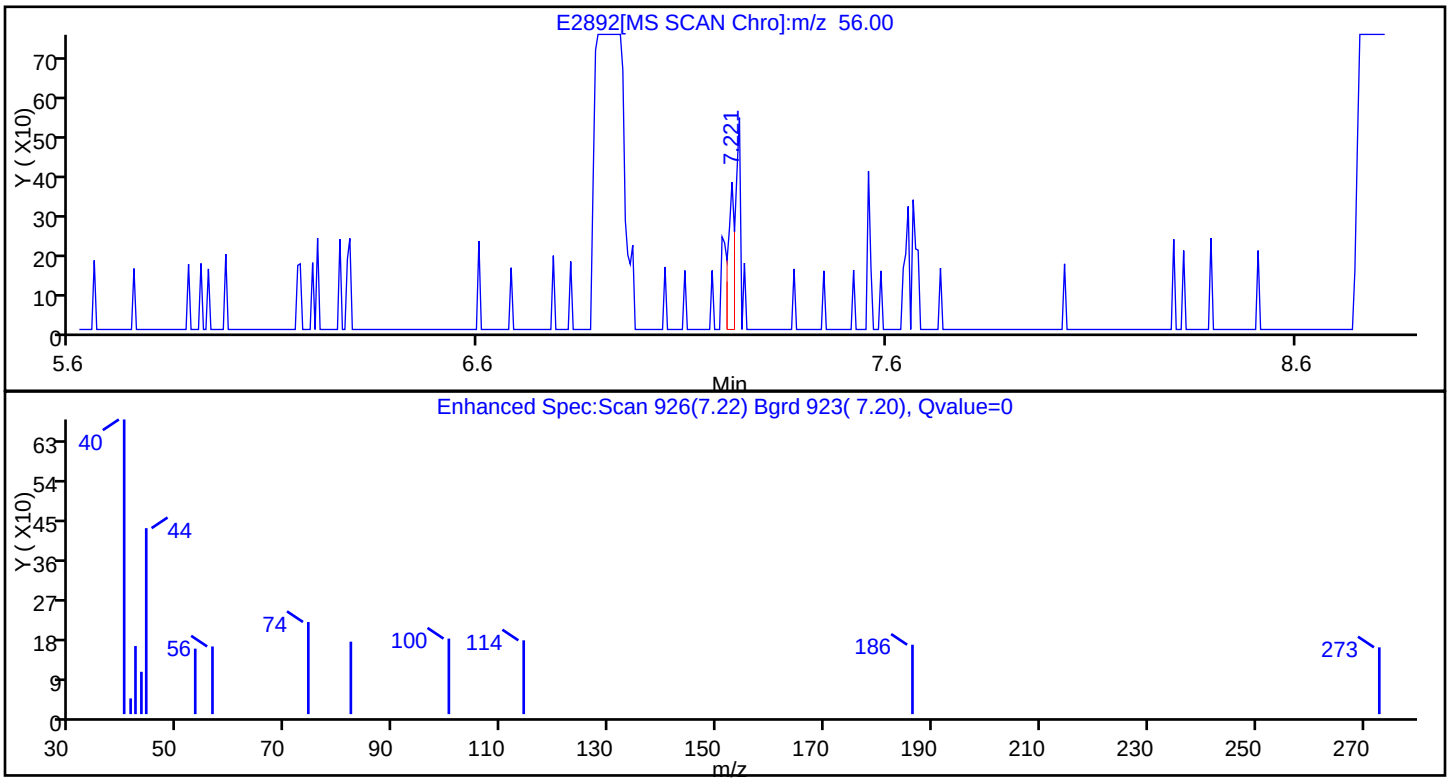
Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2892.D		
Injection Date:	23-Aug-2011 10:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	13
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	389	2.199860
7.21	41.00	574	
7.22	43.00	290	

Reviewer: hobartw, 23-Aug-2011 12:22:44
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WFS-1 | Lab Sample ID: 510-69047-4

Matrix: Solid | Lab File ID: E2893.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:15

Sample wt/vol: 32.099(g) | Date Analyzed: 08/23/2011 11:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.040		0.012	0.0024
107-02-8	Acrolein	<0.24		0.24	0.0029
71-43-2	Benzene	<0.0060		0.0060	0.0014
75-27-4	Bromodichloromethane	<0.0060		0.0060	0.00060
75-25-2	Bromoform	<0.0060		0.0060	0.0017
74-83-9	Bromomethane	<0.0060		0.0060	0.0021
75-15-0	Carbon disulfide	<0.0060		0.0060	0.0015
56-23-5	Carbon tetrachloride	<0.0060		0.0060	0.0014
108-90-7	Chlorobenzene	<0.0060		0.0060	0.00080
124-48-1	Chlorodibromomethane	<0.0060		0.0060	0.00060
75-00-3	Chloroethane	<0.0060		0.0060	0.0020
67-66-3	Chloroform	<0.0060		0.0060	0.0012
74-87-3	Chloromethane	<0.0060		0.0060	0.0017
156-59-2	cis-1,2-Dichloroethylene	<0.0060		0.0060	0.0014
10061-01-5	cis-1,3-Dichloropropene	<0.0060		0.0060	0.00060
110-82-7	Cyclohexane	<0.0060		0.0060	0.0019
106-93-4	1,2-Dibromoethane	<0.0060		0.0060	0.00060
75-35-4	1,1-Dichlorethylene	<0.0060		0.0060	0.0021
75-34-3	1,1-Dichloroethane	<0.0060		0.0060	0.0019
107-06-2	1,2-Dichloroethane	<0.0060		0.0060	0.0012
78-87-5	1,2-Dichloropropane	<0.0060		0.0060	0.0010
542-75-6	1,3-Dichloropropene, Total	<0.012		0.012	
141-78-6	Ethyl acetate	<0.0060		0.0060	0.0013
100-41-4	Ethylbenzene	<0.0060		0.0060	0.00093
74-88-4	Iodomethane	<0.012		0.012	0.0044
98-82-8	Isopropylbenzene	<0.0060	*	0.0060	0.00088
79-20-9	Methyl acetate	<0.0060		0.0060	0.00088
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.00094
108-87-2	Methylcyclohexane	<0.0060		0.0060	0.0015
75-09-2	Methylene Chloride	<0.0060		0.0060	0.0015
78-93-3	Methyl ethyl ketone (MEK)	<0.012		0.012	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00060
1634-04-4	Methyl tert-butyl ether	<0.0060		0.0060	0.0010
71-36-3	n-Butanol	<0.12		0.12	0.018
110-54-3	n-Hexane	<0.0060		0.0060	0.0024
103-65-1	n-Propylbenzene	<0.0060	*	0.0060	0.0024

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WFS-1 | Lab Sample ID: 510-69047-4

Matrix: Solid | Lab File ID: E2893.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:15

Sample wt/vol: 32.099(g) | Date Analyzed: 08/23/2011 11:21

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0060	*	0.0060	0.00080
630-20-6	1,1,1,2-Tetrachloroethane	<0.0060	*	0.0060	0.00083
79-34-5	1,1,2,2-Tetrachloroethane	<0.0060		0.0060	0.0013
127-18-4	Tetrachloroethylene	<0.0060		0.0060	0.0013
108-88-3	Toluene	<0.0060		0.0060	0.0013
156-60-5	trans-1,2-Dichloroethylene	<0.0060		0.0060	0.0020
10061-02-6	trans-1,3-Dichloropropene	<0.0060		0.0060	0.00060
71-55-6	1,1,1-Trichloroethane	<0.0060		0.0060	0.0014
79-00-5	1,1,2-Trichloroethane	<0.0060		0.0060	0.00083
79-01-6	Trichloroethene	<0.0060		0.0060	0.0014
75-69-4	Trichlorofluoromethane	<0.0060		0.0060	0.0021
95-63-6	1,2,4-Trimethylbenzene	<0.0060	*	0.0060	0.0024
108-67-8	1,3,5-Trimethylbenzene	<0.0060	*	0.0060	0.00088
108-05-4	Vinyl acetate	<0.0060		0.0060	0.0015
75-01-4	Vinyl chloride	<0.0060		0.0060	0.0027
1330-20-7	Xylenes, Total	<0.012	*	0.012	0.0024

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	133		76-137
2037-26-5	Toluene-d8 (Surr)	90		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Lims ID:	510-69047-D-4-A	Client ID:	WFS-1
Inject. Date:	23-Aug-2011 11:21:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-D-4-A		
Misc. Info.:	510-0005425-014 =510-0005425-014		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	85487	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 12:48:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.922	6.919	0.003	0	1415690	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.655	-0.004	90	967473	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.921	-0.003	97	466260	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	473432	66.7	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	85	1295897	45.2	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	83	491274	52.9	
18 Acetone	58	3.814	3.811	0.003	98	37377	33.3	
27 Hexane	57	4.866	4.863	0.003	83	8398	0.8479	
34 2-Butanone (MEK)	72	5.645	5.648	-0.003	94	10743	6.13	
57 Tetrachloroethene	164	9.569	9.572	-0.003	77	7789	0.9037	
59 2-Hexanone	43	9.678	9.681	-0.003	41	1385	0.2941	
66 o-Xylene	91	11.540	11.537	0.003	1	1283	0.3568	
S 91 Xylenes, Total	100				0		0.3568	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 12:48:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D

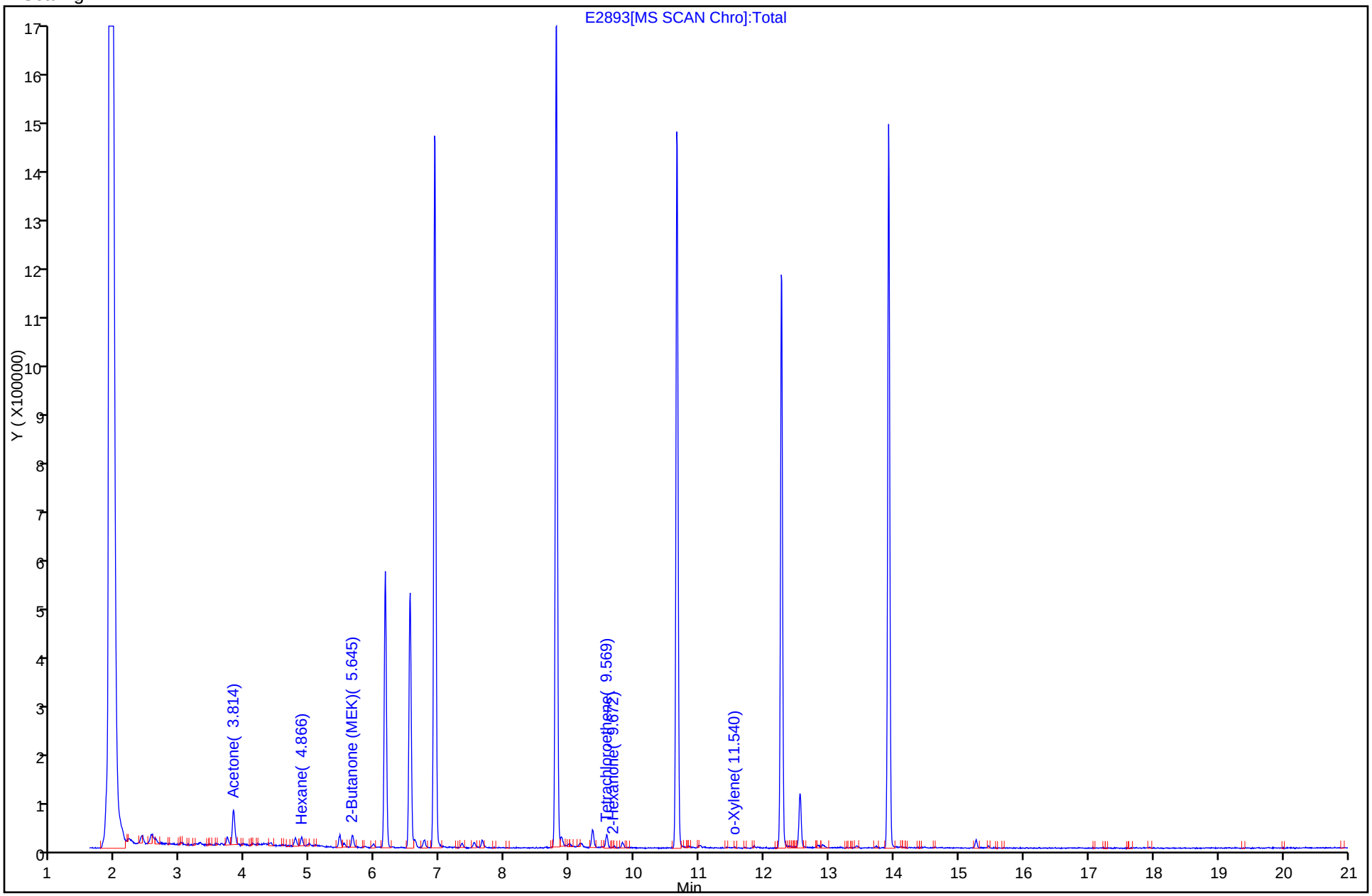
Injection Date: 23-Aug-2011 11:21:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: WFS-1 Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 14

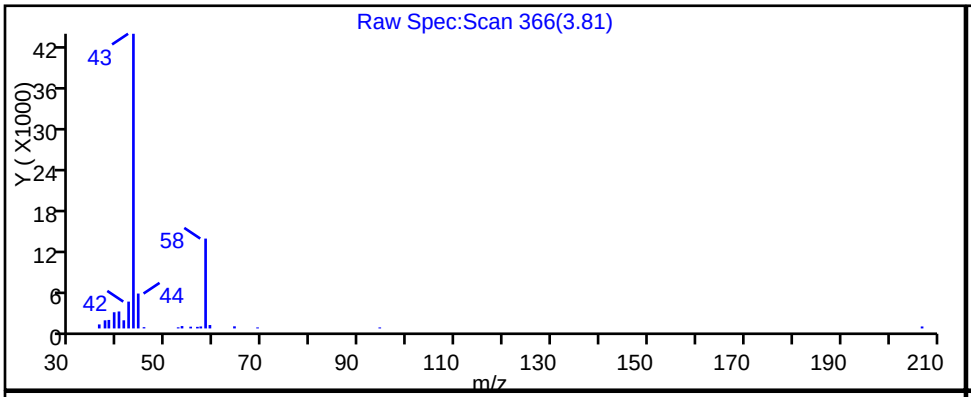
Operator ID: WH

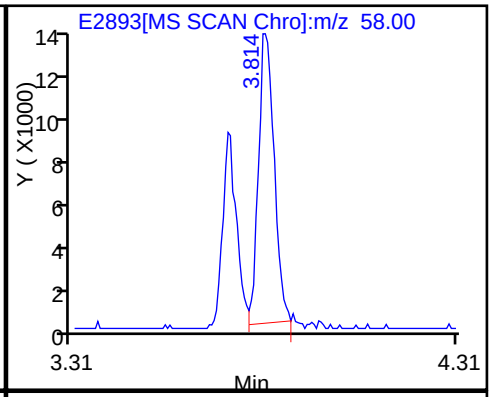
Y Scaling:

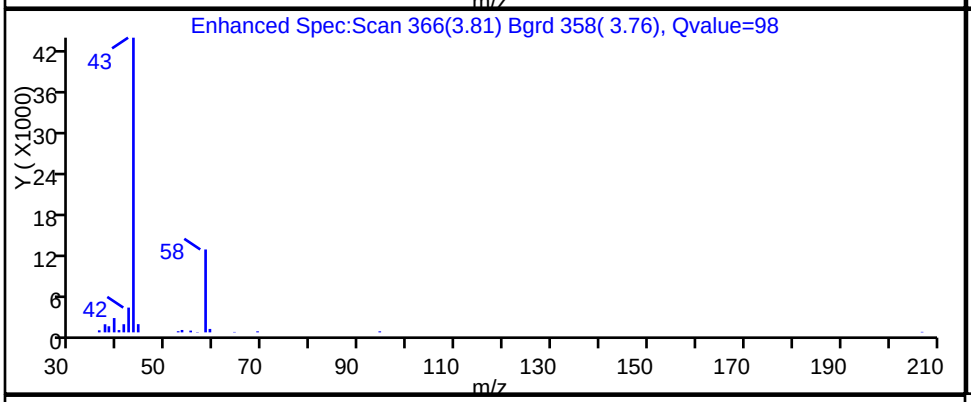


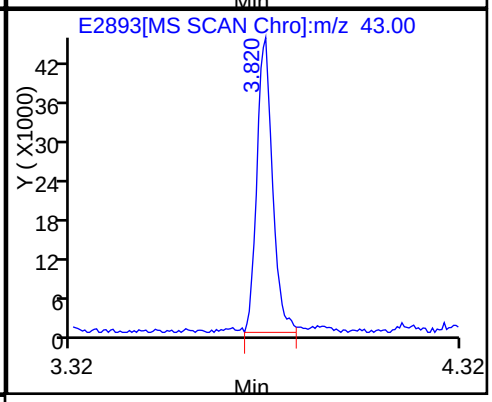
Report Date: 23-Aug-2011 12:48:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D
Injection Date: 23-Aug-2011 11:21:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: WFS-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 14
Operator ID: WH

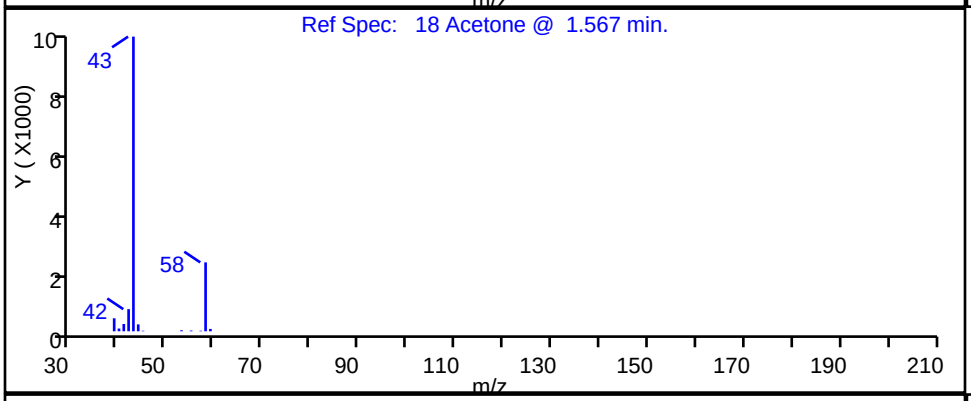
18 Acetone

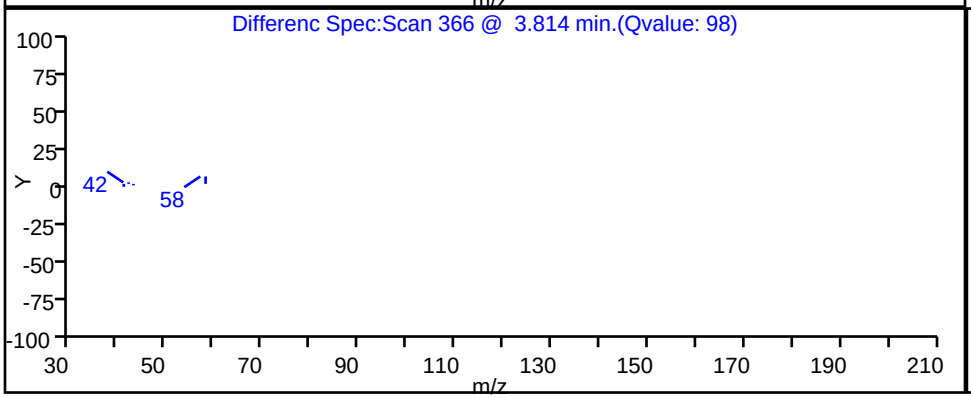


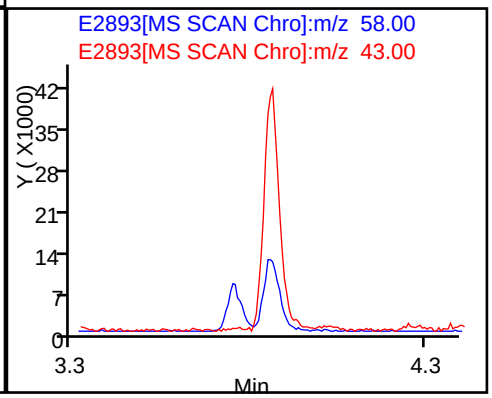










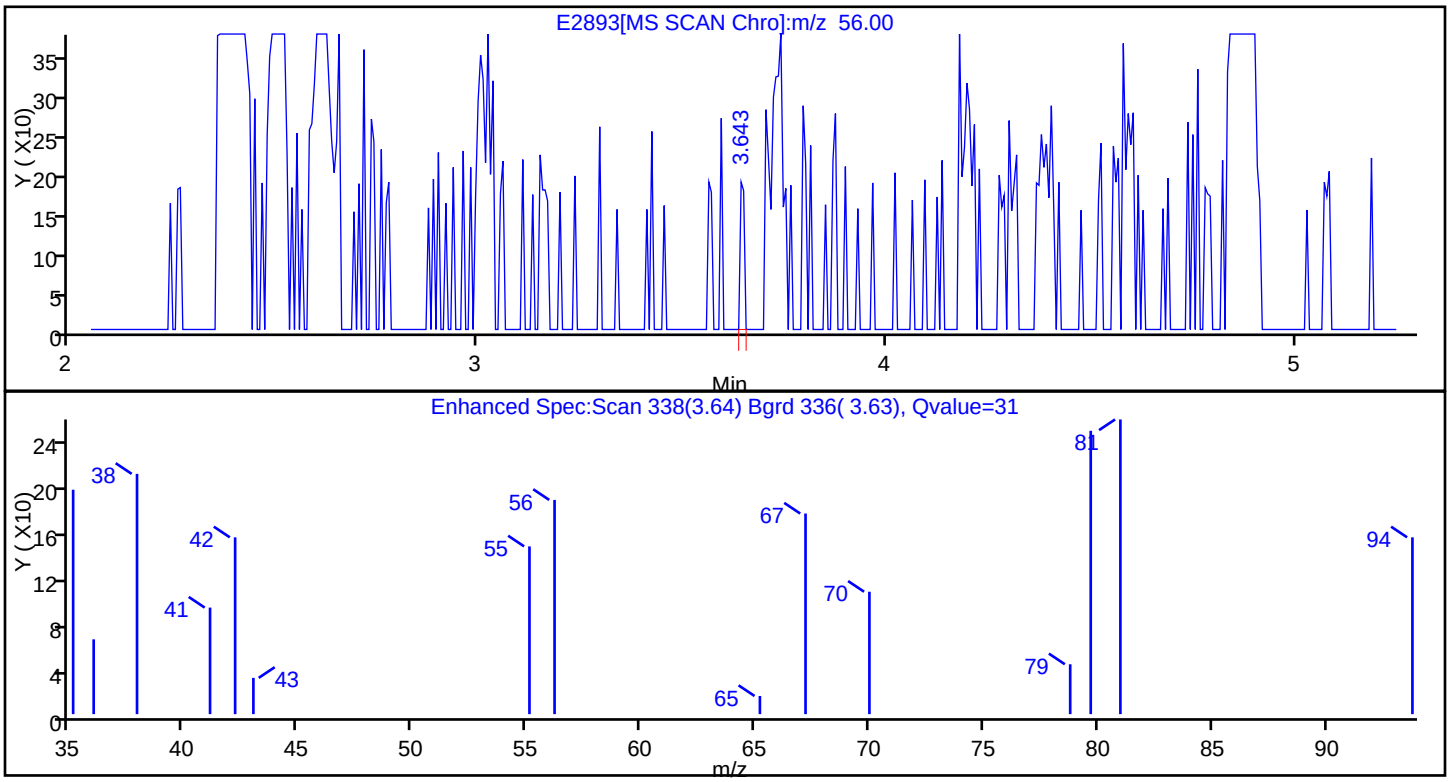


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	134	0.230099
3.65	55.00	1805	

Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 12:48:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06

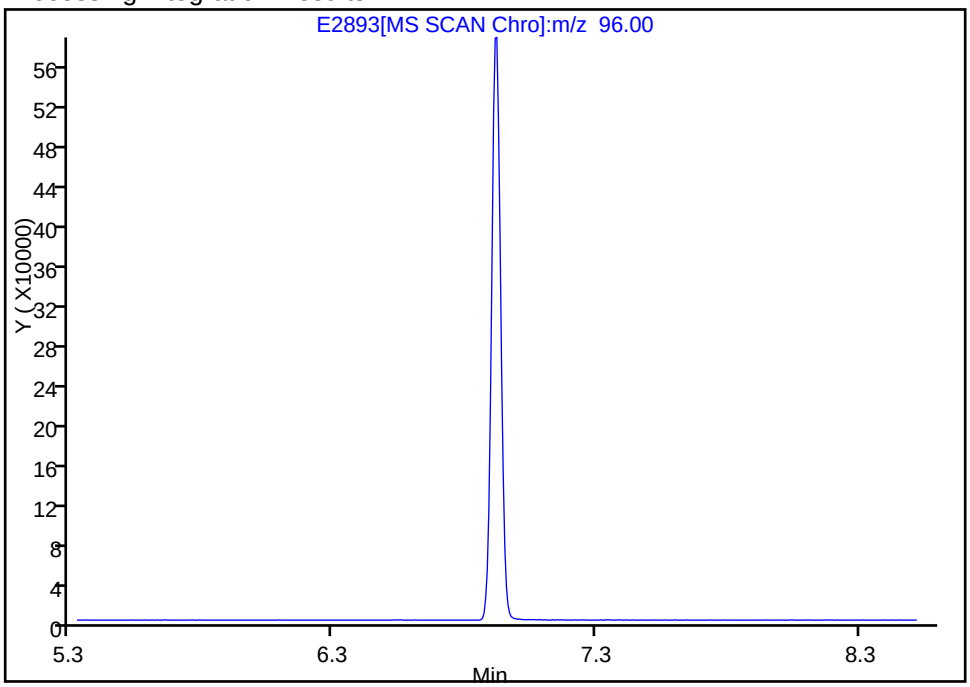
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

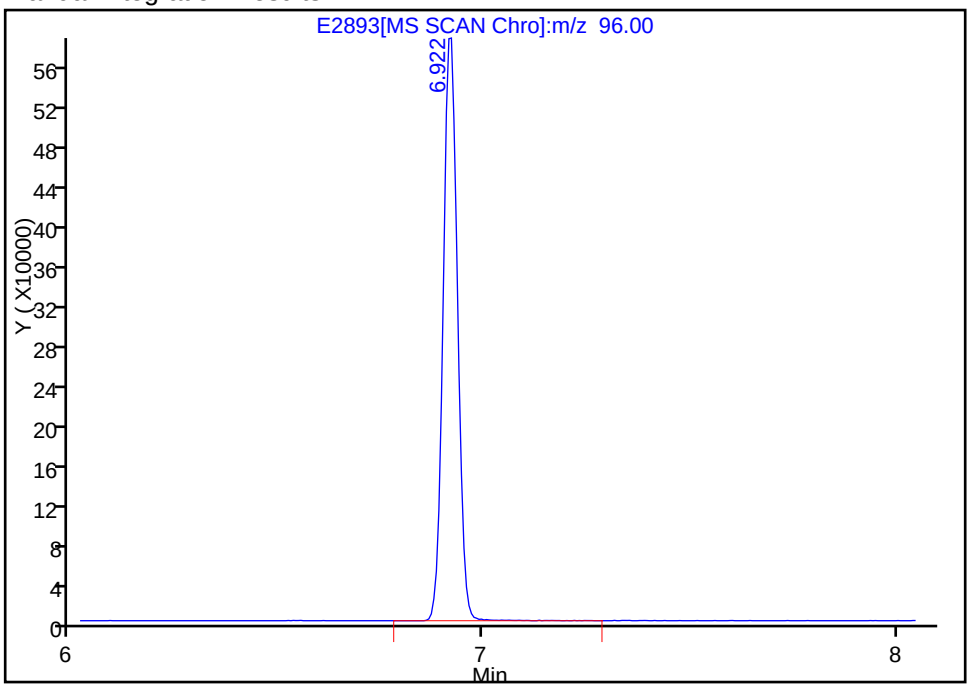
Processing Integration Results

Not Detected
Expected RT: 6.92



Manual Integration Results

RT: 6.92
Response: 1415690
Amount: 50.000000



Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Manually Integrated
Audit Reason: Assign Peak

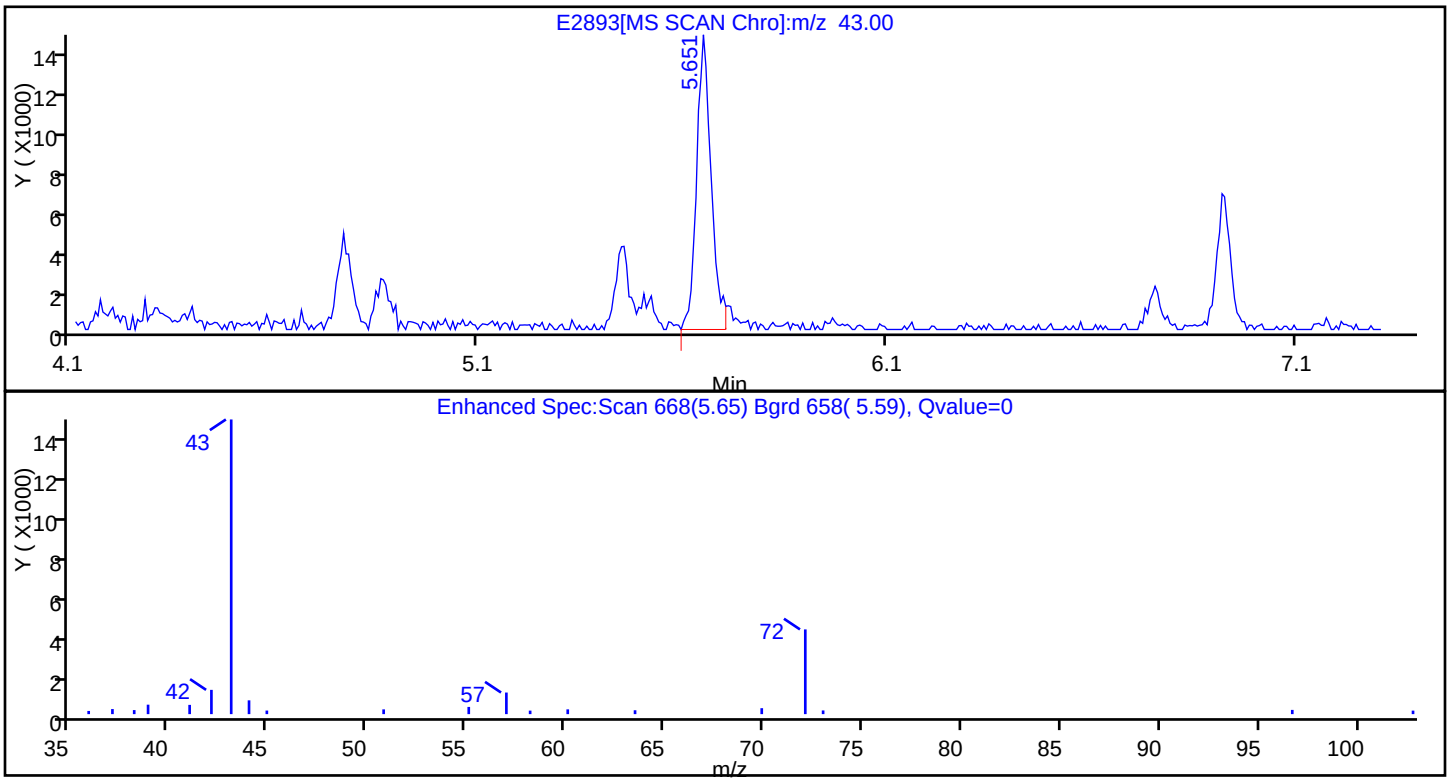
Report Date: 23-Aug-2011 12:48:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

105 Ethyl acetate

Processing Results



RT	Mass	Response	Amount
5.65	43.00	36162	4.825663
5.64	61.00	400	
5.64	70.00	297	

Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Marked Compound Undetected
Audit Reason:

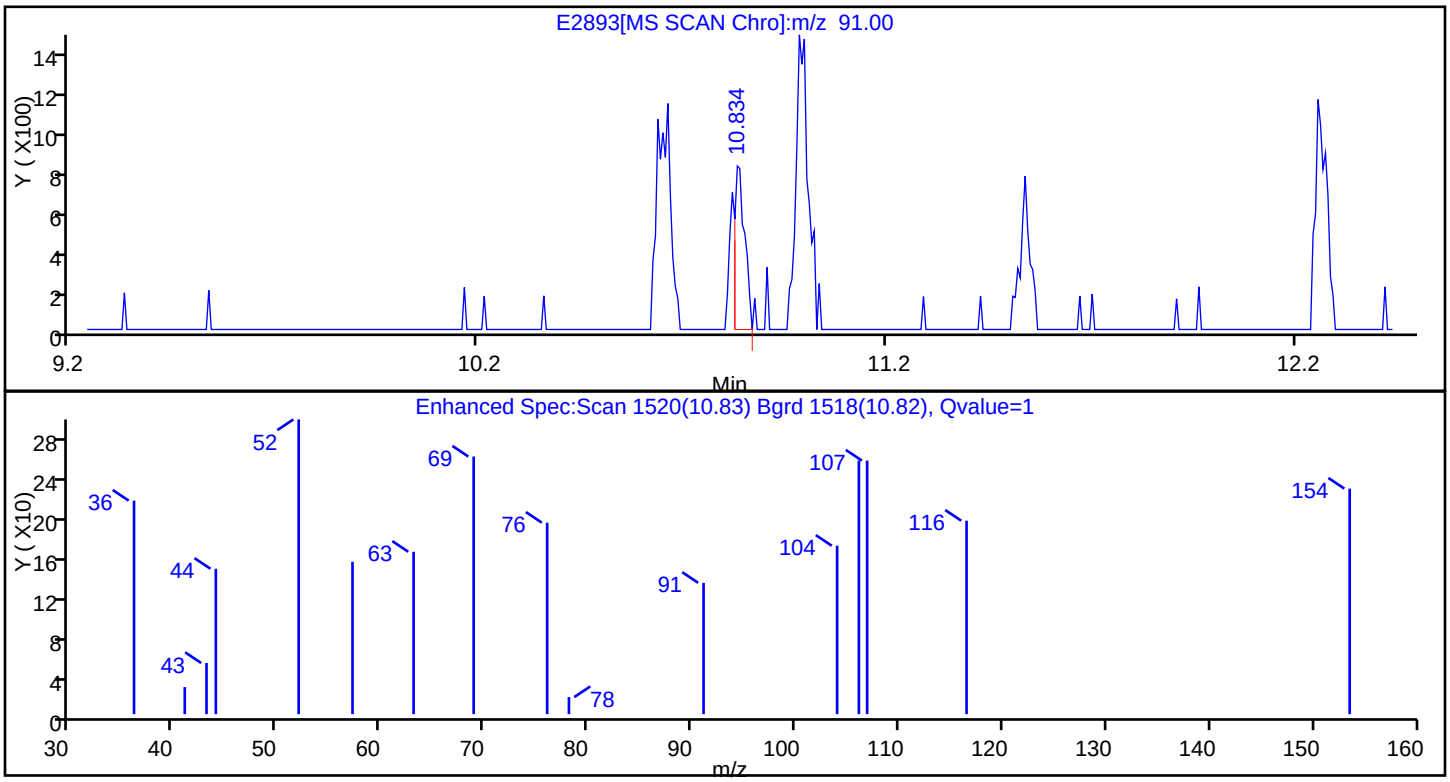
Report Date: 23-Aug-2011 12:48:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

64 Ethylbenzene

Processing Results



RT	Mass	Response	Amount
10.83	91.00	1353	0.293210
10.83	106.00	245	

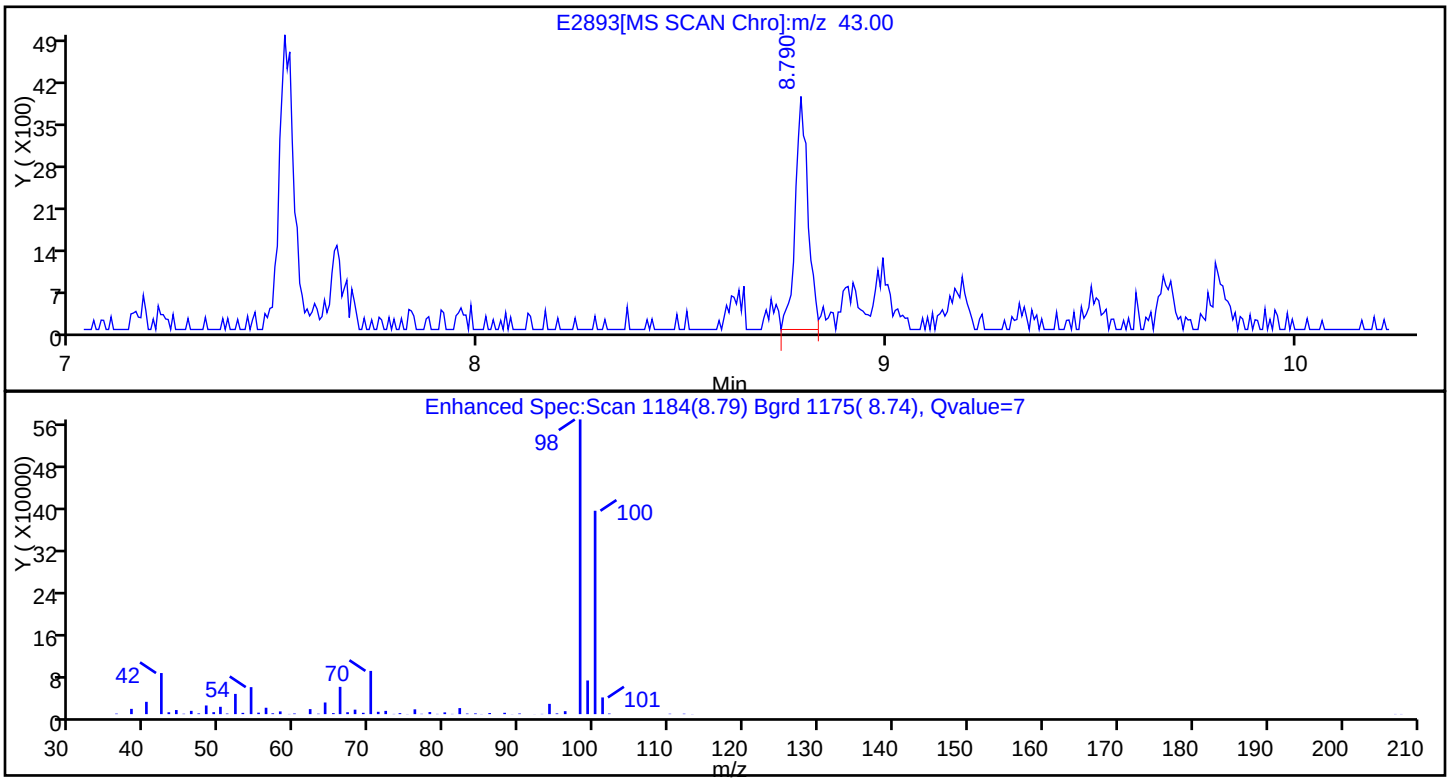
Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	8457	1.434280
8.79	58.00	12085	
8.78	85.00	353	

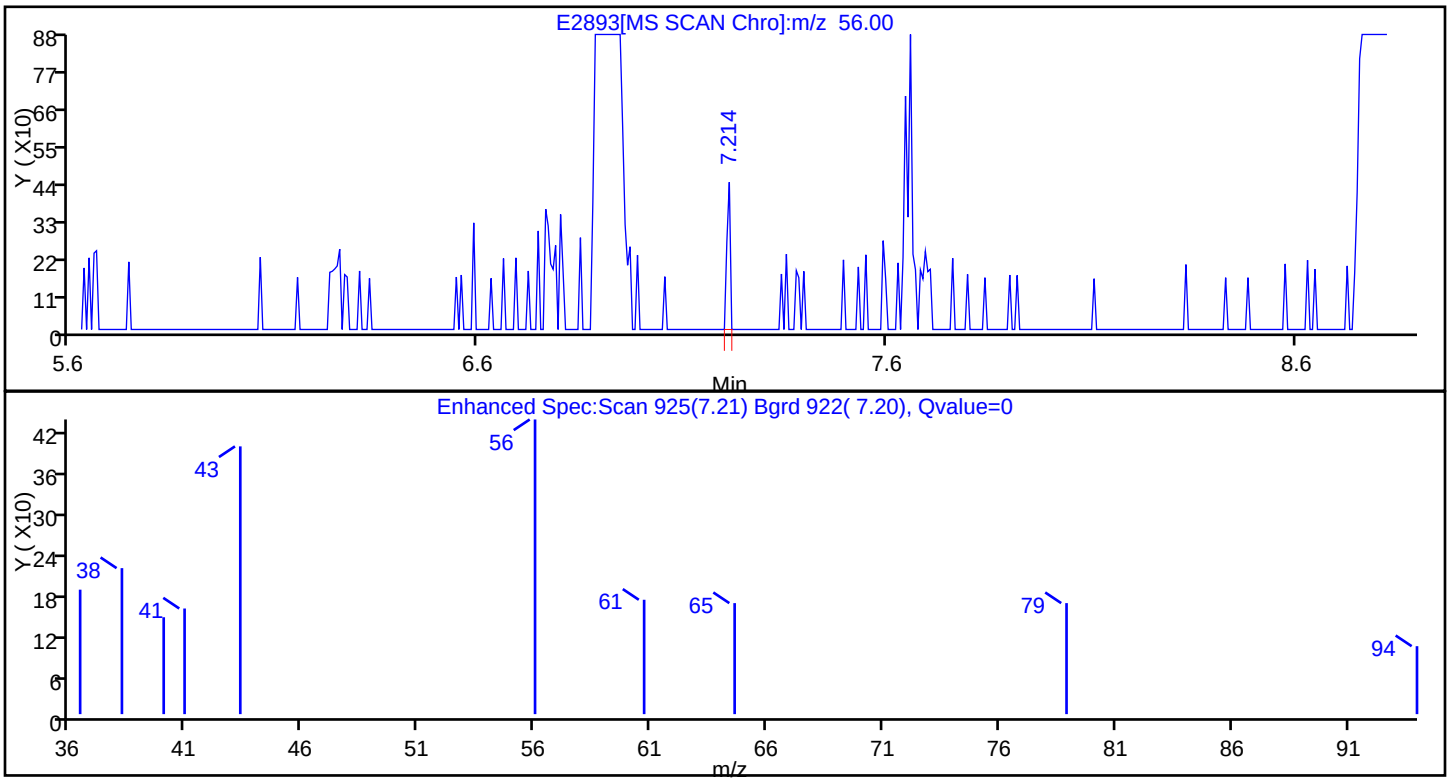
Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2893.D		
Injection Date:	23-Aug-2011 11:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	WFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	14
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.21	56.00	255	1.366188
7.21	41.00	658	
7.21	43.00	454	

Reviewer: hobartw, 23-Aug-2011 12:48:14
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: EFS-1 | Lab Sample ID: 510-69047-5

Matrix: Solid | Lab File ID: E2894.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:20

Sample wt/vol: 31.975(g) | Date Analyzed: 08/23/2011 11:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 1.7 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.034		0.012	0.0024
107-02-8	Acrolein	<0.24		0.24	0.0029
71-43-2	Benzene	<0.0060		0.0060	0.0014
75-27-4	Bromodichloromethane	<0.0060		0.0060	0.00061
75-25-2	Bromoform	<0.0060		0.0060	0.0017
74-83-9	Bromomethane	<0.0060		0.0060	0.0021
75-15-0	Carbon disulfide	<0.0060		0.0060	0.0015
56-23-5	Carbon tetrachloride	<0.0060		0.0060	0.0014
108-90-7	Chlorobenzene	<0.0060		0.0060	0.00080
124-48-1	Chlorodibromomethane	<0.0060		0.0060	0.00060
75-00-3	Chloroethane	<0.0060		0.0060	0.0020
67-66-3	Chloroform	<0.0060		0.0060	0.0012
74-87-3	Chloromethane	<0.0060		0.0060	0.0017
156-59-2	cis-1,2-Dichloroethylene	<0.0060		0.0060	0.0014
10061-01-5	cis-1,3-Dichloropropene	<0.0060		0.0060	0.00060
110-82-7	Cyclohexane	<0.0060		0.0060	0.0019
106-93-4	1,2-Dibromoethane	<0.0060		0.0060	0.00060
75-35-4	1,1-Dichlorethylene	<0.0060		0.0060	0.0021
75-34-3	1,1-Dichloroethane	<0.0060		0.0060	0.0019
107-06-2	1,2-Dichloroethane	<0.0060		0.0060	0.0012
78-87-5	1,2-Dichloropropane	<0.0060		0.0060	0.0010
542-75-6	1,3-Dichloropropene, Total	<0.012		0.012	
141-78-6	Ethyl acetate	<0.0060		0.0060	0.0013
100-41-4	Ethylbenzene	<0.0060		0.0060	0.00093
74-88-4	Iodomethane	<0.012		0.012	0.0044
98-82-8	Isopropylbenzene	<0.0060	*	0.0060	0.00088
79-20-9	Methyl acetate	<0.0060		0.0060	0.00088
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.00095
108-87-2	Methylcyclohexane	<0.0060		0.0060	0.0015
75-09-2	Methylene Chloride	<0.0060		0.0060	0.0015
78-93-3	Methyl ethyl ketone (MEK)	<0.012		0.012	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00060
1634-04-4	Methyl tert-butyl ether	<0.0060		0.0060	0.0010
71-36-3	n-Butanol	<0.12		0.12	0.018
110-54-3	n-Hexane	<0.0060		0.0060	0.0024
103-65-1	n-Propylbenzene	<0.0060	*	0.0060	0.0024

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: EFS-1 | Lab Sample ID: 510-69047-5

Matrix: Solid | Lab File ID: E2894.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:20

Sample wt/vol: 31.975(g) | Date Analyzed: 08/23/2011 11:56

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 1.7 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0060	*	0.0060	0.00081
630-20-6	1,1,1,2-Tetrachloroethane	<0.0060	*	0.0060	0.00083
79-34-5	1,1,2,2-Tetrachloroethane	<0.0060		0.0060	0.0013
127-18-4	Tetrachloroethylene	<0.0060		0.0060	0.0013
108-88-3	Toluene	<0.0060		0.0060	0.0013
156-60-5	trans-1,2-Dichloroethylene	<0.0060		0.0060	0.0020
10061-02-6	trans-1,3-Dichloropropene	<0.0060		0.0060	0.00060
71-55-6	1,1,1-Trichloroethane	<0.0060		0.0060	0.0014
79-00-5	1,1,2-Trichloroethane	<0.0060		0.0060	0.00083
79-01-6	Trichloroethene	<0.0060		0.0060	0.0014
75-69-4	Trichlorofluoromethane	<0.0060		0.0060	0.0021
95-63-6	1,2,4-Trimethylbenzene	<0.0060	*	0.0060	0.0024
108-67-8	1,3,5-Trimethylbenzene	<0.0060	*	0.0060	0.00088
108-05-4	Vinyl acetate	<0.0060		0.0060	0.0015
75-01-4	Vinyl chloride	<0.0060		0.0060	0.0027
1330-20-7	Xylenes, Total	<0.012	*	0.012	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	111		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	135		76-137
2037-26-5	Toluene-d8 (Surr)	87		70-130

Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D
Lims ID: 510-69047-D-5-A Client ID: EFS-1
Inject. Date: 23-Aug-2011 11:56:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-69047-D-5-A
Misc. Info.: 510-0005425-015 =510-0005425-015
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 15
Lims Batch ID: 85487 Lims Sample ID: 15
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 12:22:44 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 23-Aug-2011 13:22:13

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
*	1 Fluorobenzene	96	6.922	6.919	0.003	0	1401569	50.0	M
*	2 Chlorobenzene-d5	117	10.651	10.655	-0.004	88	901458	50.0	
*	3 1,4-Dichlorobenzene-d4	152	13.918	13.921	-0.003	97	384721	50.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	475126	67.6	
$	6 Toluene-d8 (Surr)	98	8.789	8.793	-0.004	85	1234359	43.5	
$	7 4-Bromofluorobenzene (Surr)	95	12.263	12.261	0.002	83	426146	55.7	
	18 Acetone	58	3.819	3.811	0.008	93	32772	28.0	
	27 Hexane	57	4.866	4.863	0.003	87	47391	4.83	
	34 2-Butanone (MEK)	72	5.650	5.648	0.002	90	9693	5.36	
	38 Cyclohexane	84	6.271	6.268	0.003	57	13766	0.9621	
	45 Trichloroethene	132	7.335	7.339	-0.004	71	4069	0.3822	
	46 Methylcyclohexane	83	7.579	7.570	0.009	84	20887	1.16	
	53 Toluene	91	8.875	8.872	0.003	57	143310	1.65	
	57 Tetrachloroethene	164	9.568	9.572	-0.004	89	10582	1.24	
	64 Ethylbenzene	91	10.833	10.837	-0.004	90	25404	0.8638	
	66 o-Xylene	91	11.539	11.537	0.002	71	8576	0.5806	
	76 1,3,5-Trimethylbenzene	105	12.871	12.881	-0.010	15	3270	0.4546	M
	80 1,2,4-Trimethylbenzene	105	13.425	13.423	0.002	55	8746	0.4276	
S	91 Xylenes, Total	100				0		0.5806	

QC Flag Legend

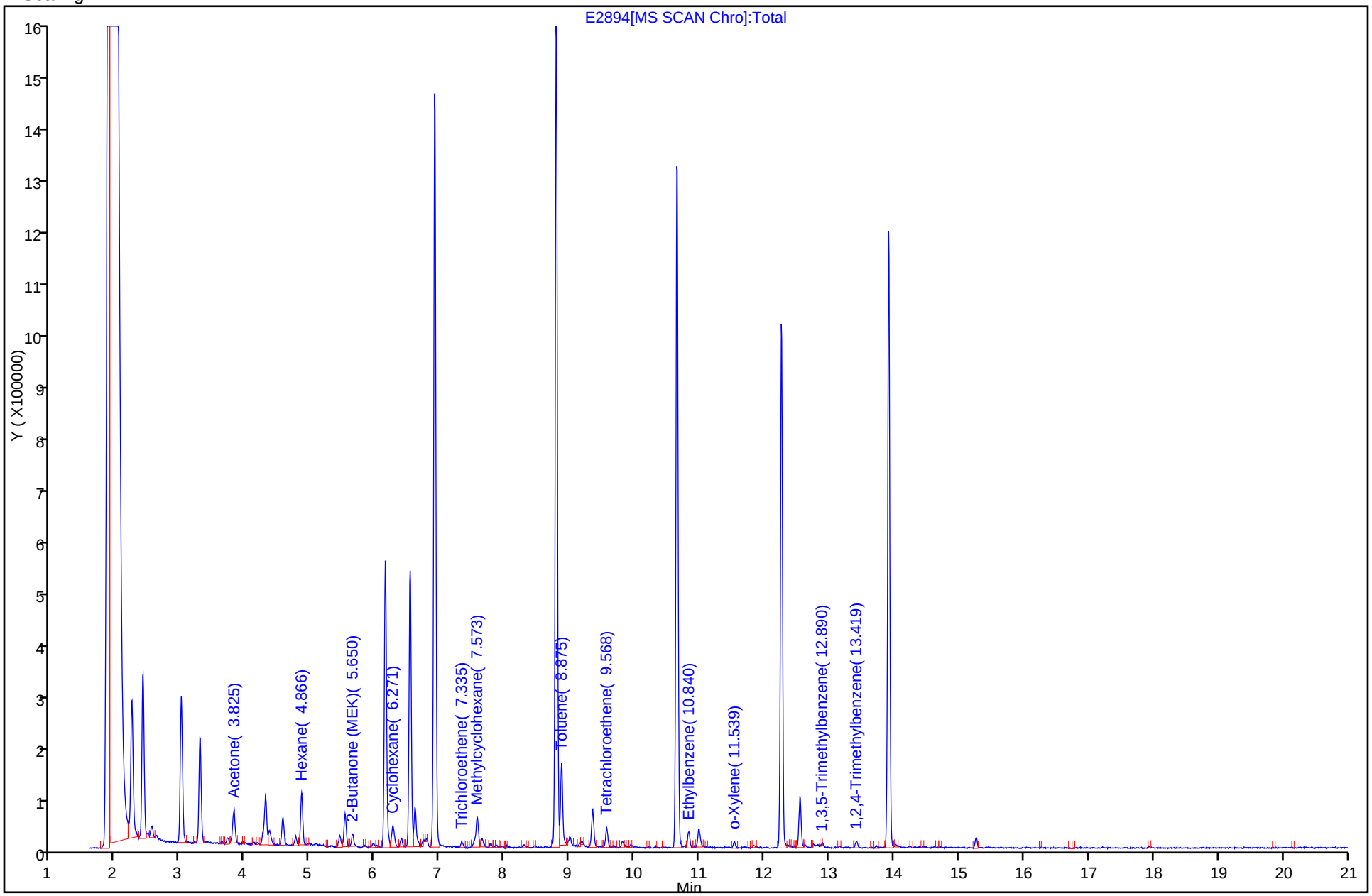
Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D

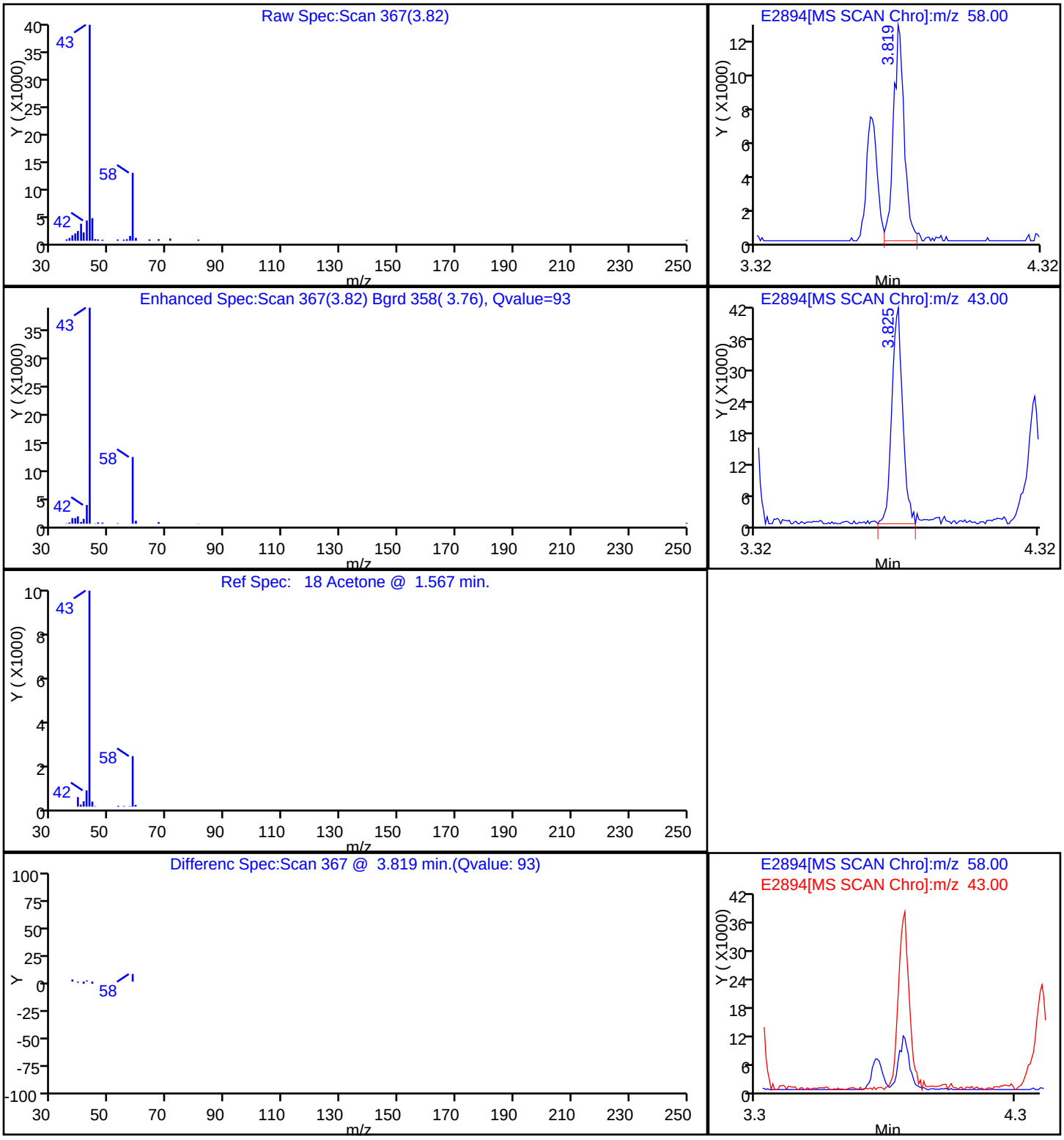
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

Y Scaling:



Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D
Injection Date: 23-Aug-2011 11:56:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: EFS-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 15
Operator ID: WH

18 Acetone

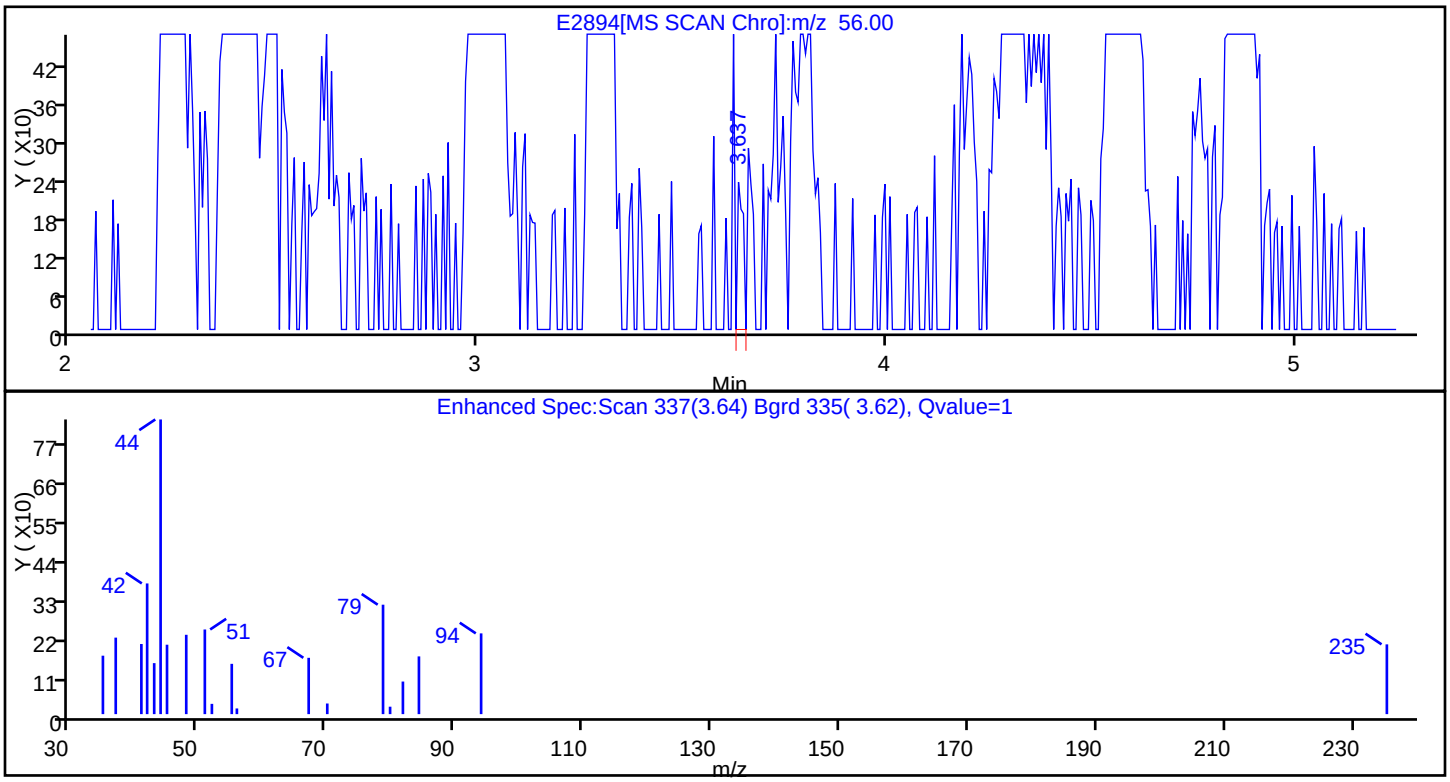


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	222	0.385050
3.63	55.00	1433	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

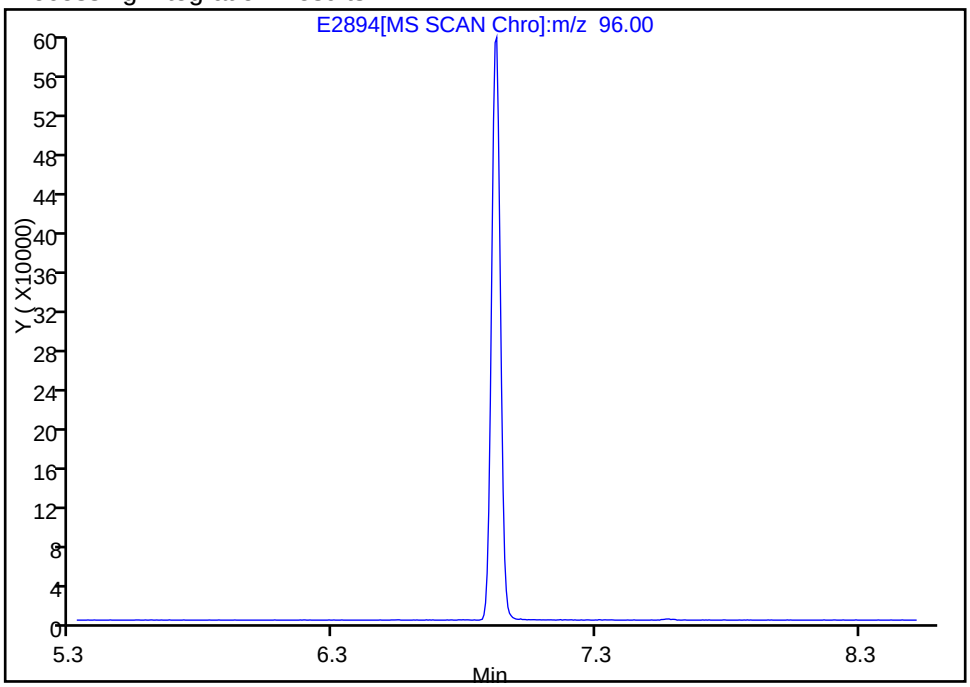
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

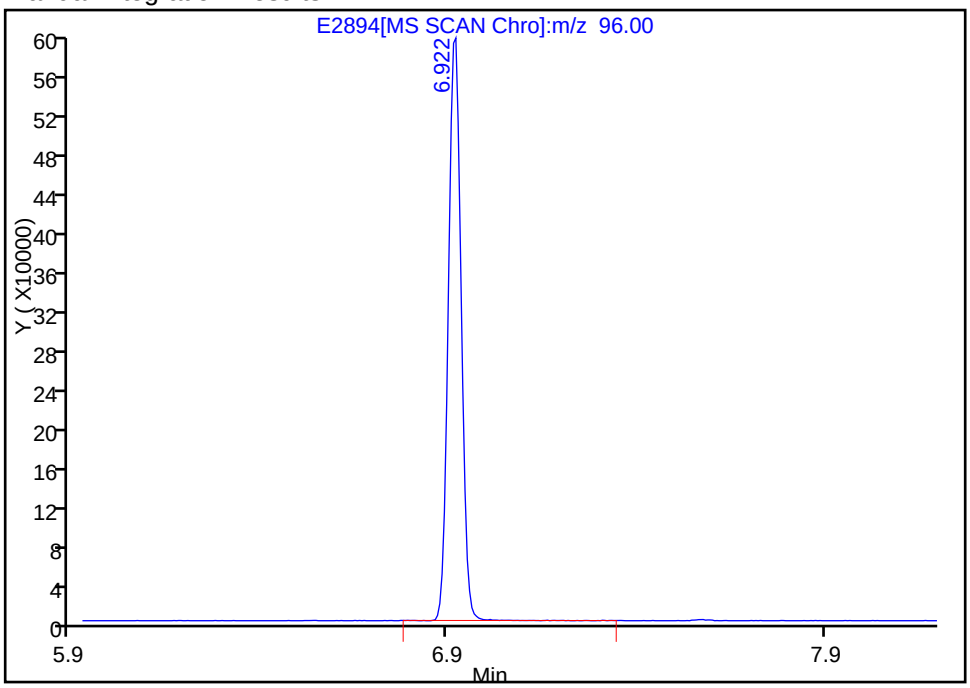
Processing Integration Results

Not Detected
Expected RT: 6.92



Manual Integration Results

RT: 6.92
Response: 1401569
Amount: 50.000000



Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

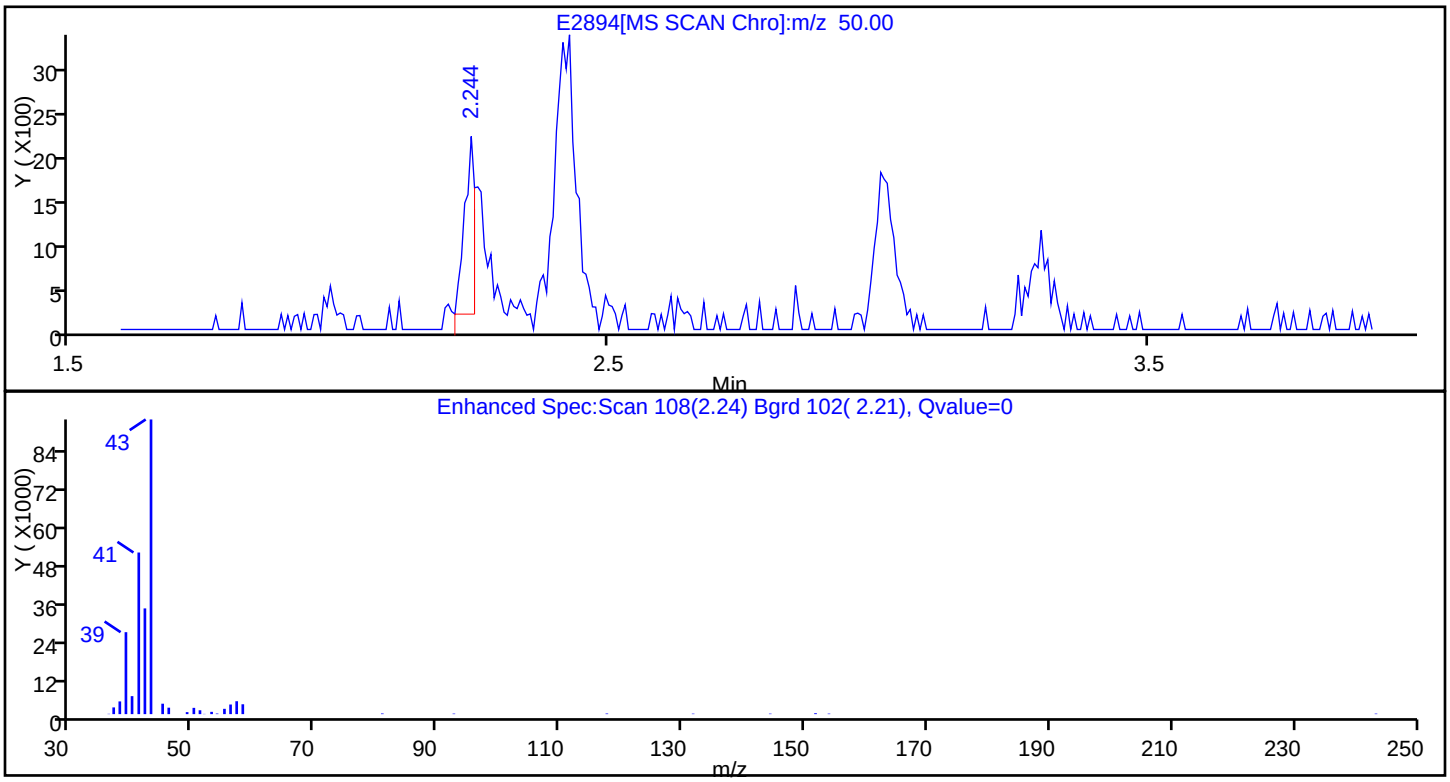
Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

9 Chloromethane

Processing Results



RT	Mass	Response	Amount
2.24	50.00	2583	0.281204
2.25	52.00	597	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

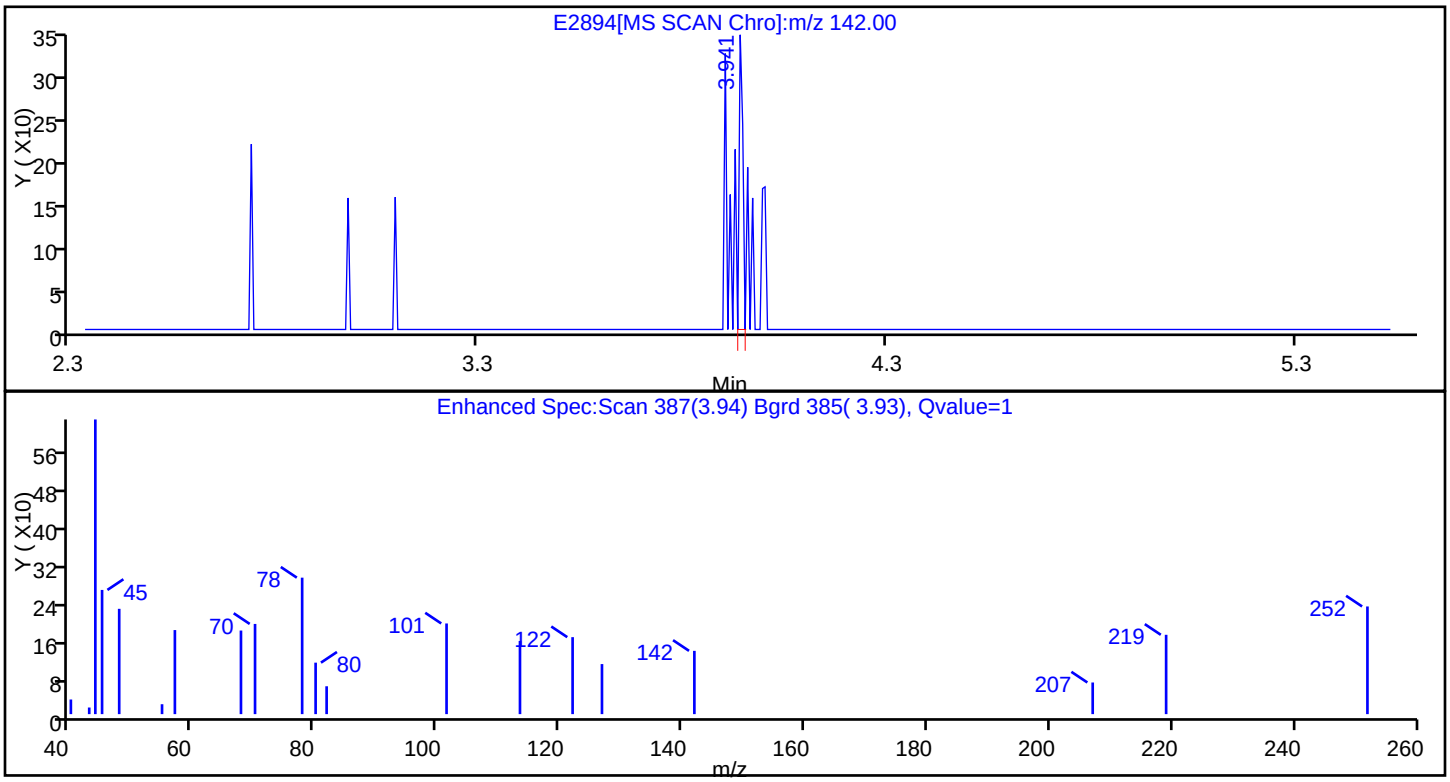
Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.94	142.00	214	2.914711
3.94	127.00	191	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

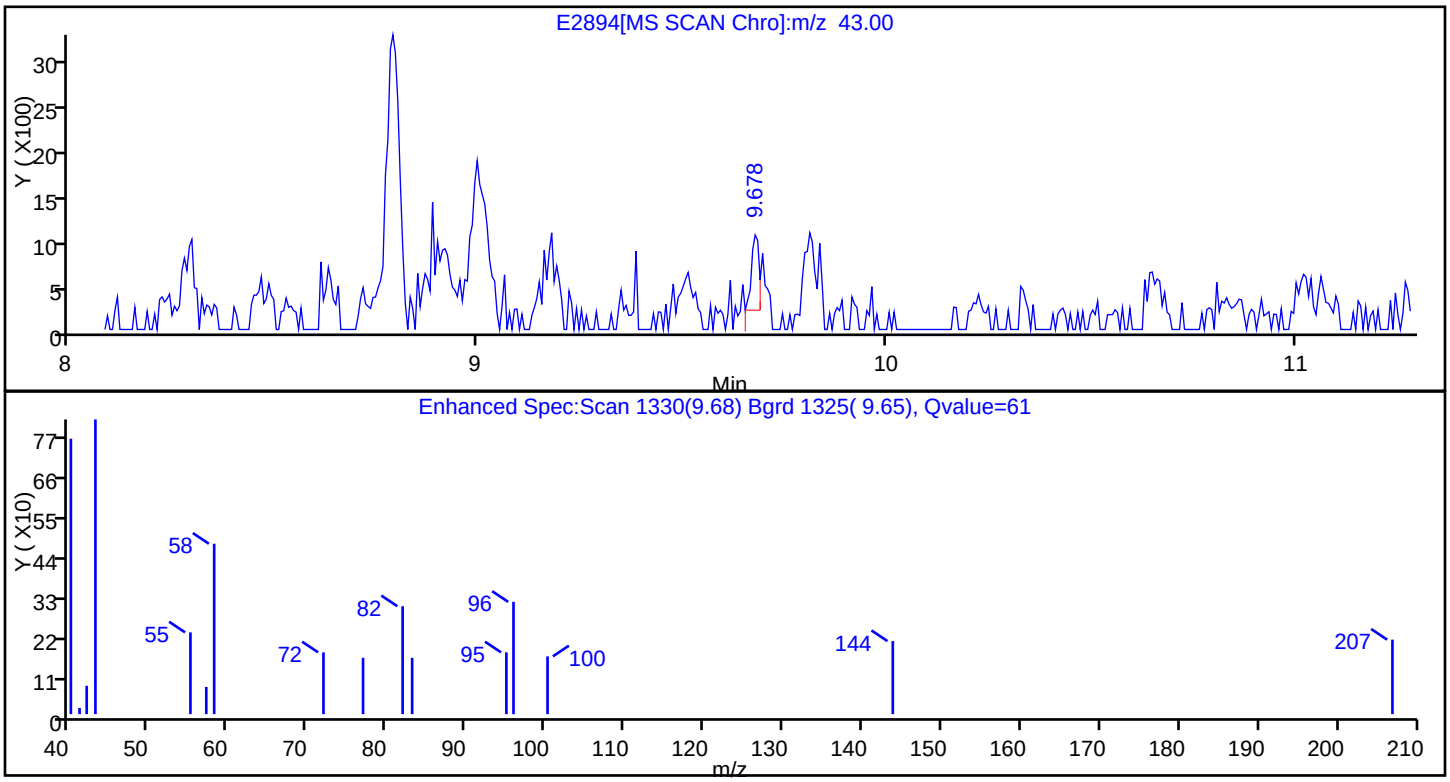
Report Date: 23-Aug-2011 13:22:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.68	43.00	1089	0.233542
9.69	58.00	1104	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

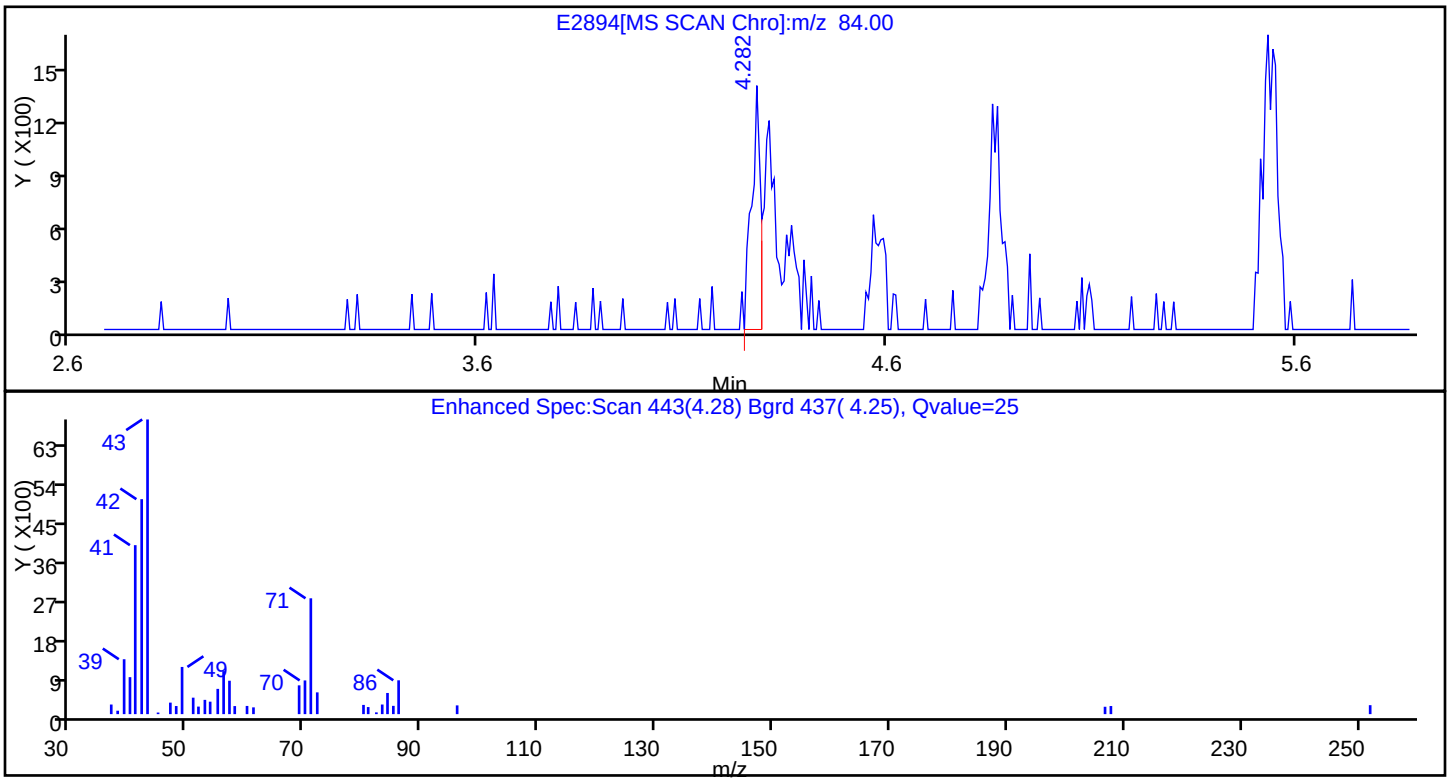
Report Date: 23-Aug-2011 13:22:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

22 Methylene Chloride

Processing Results



RT	Mass	Response	Amount
4.28	84.00	2046	0.230752
4.28	49.00	2292	
4.29	86.00	1830	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

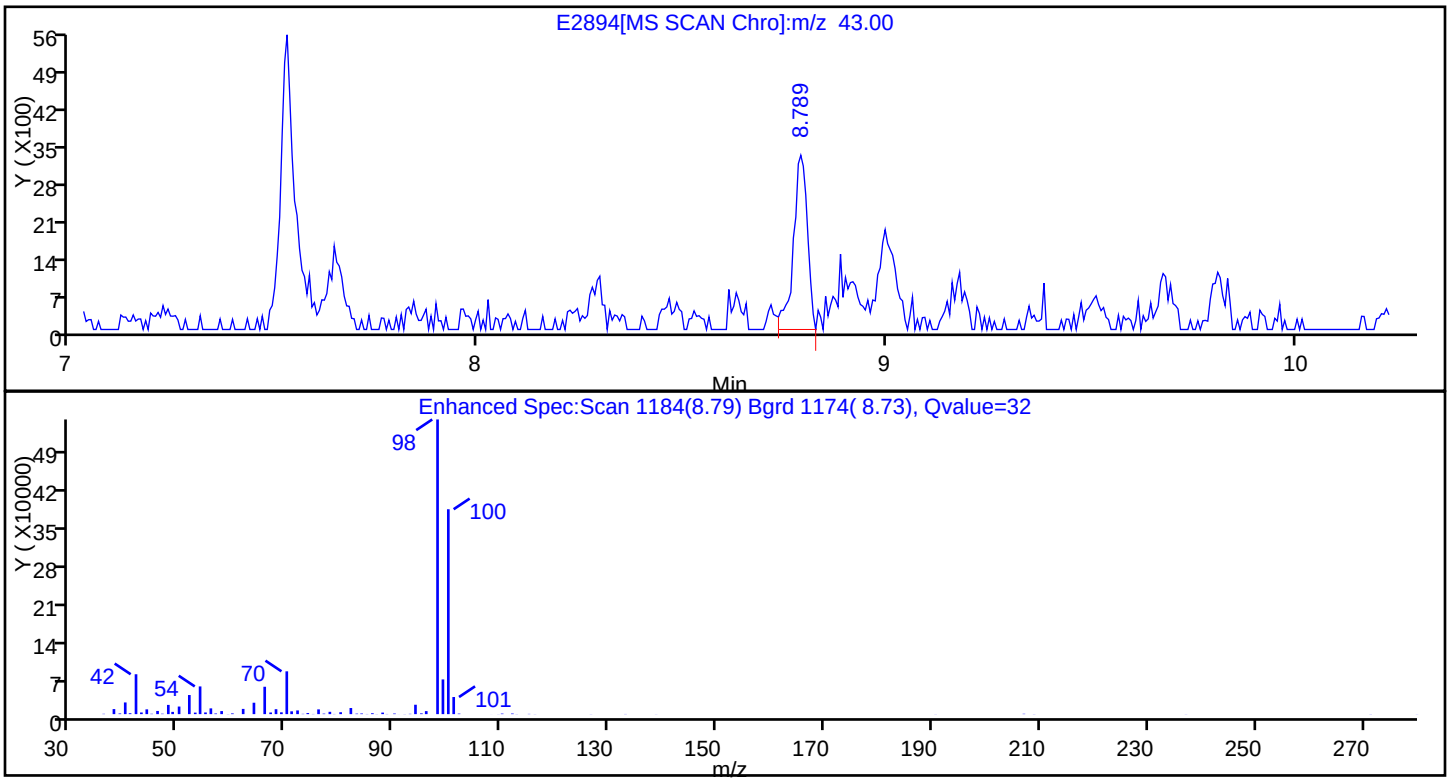
Report Date: 23-Aug-2011 13:22:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	7830	1.341322
8.79	58.00	11069	
8.78	85.00	449	

Reviewer: hobartw, 23-Aug-2011 13:22:13

Audit Action: Marked Compound Undetected

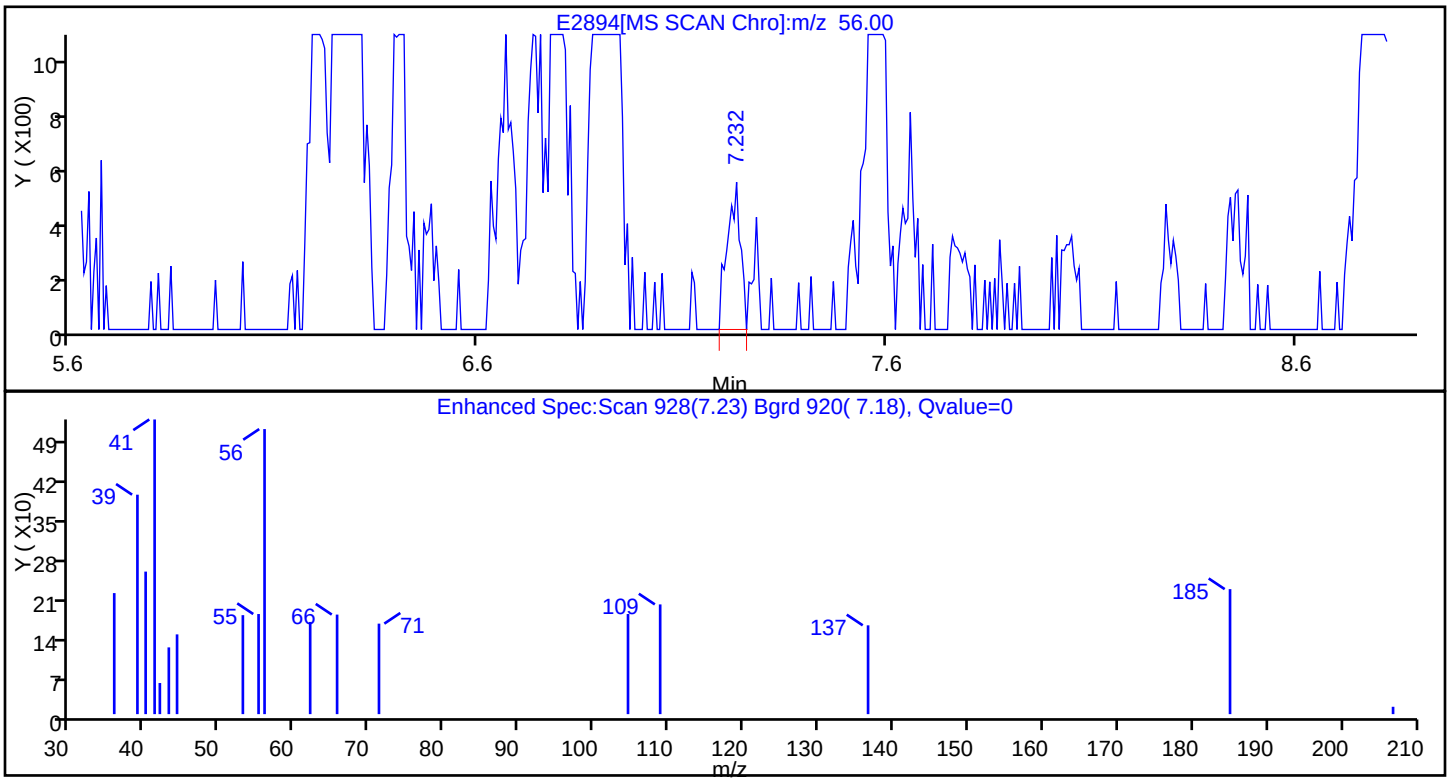
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.23	56.00	1129	6.109674
7.23	41.00	1061	
7.23	43.00	215	

Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 13:22:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

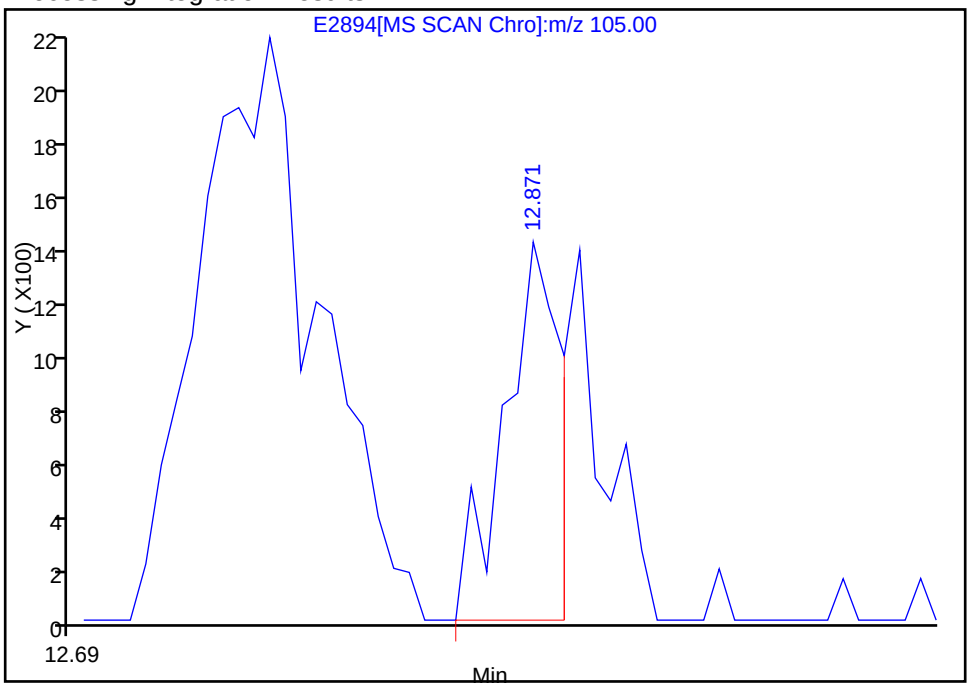
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2894.D		
Injection Date:	23-Aug-2011 11:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	EFS-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	15
Operator ID:	WH		

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

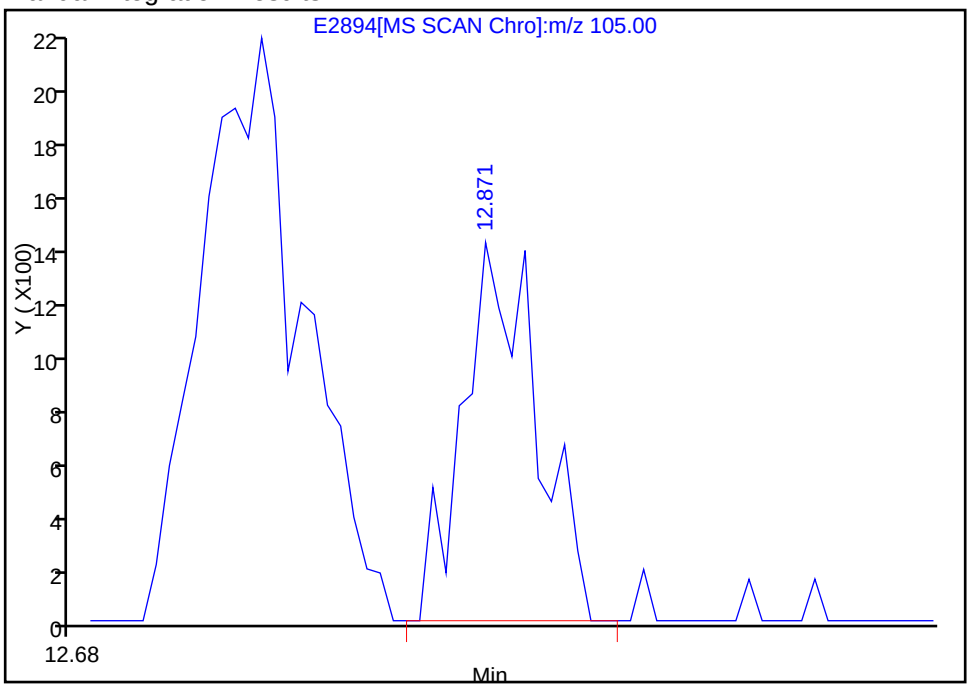
Processing Integration Results

RT: 12.87
Response: 2102
Amount: 0.409545



Manual Integration Results

RT: 12.87
Response: 3270
Amount: 0.454572



Reviewer: hobartw, 23-Aug-2011 13:22:13
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: FIELD DUPLICATE | Lab Sample ID: 510-69047-6

Matrix: Solid | Lab File ID: E2895.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:25

Sample wt/vol: 31.639(g) | Date Analyzed: 08/23/2011 12:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.9 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.030		0.012	0.0024
107-02-8	Acrolein	<0.24		0.24	0.0029
71-43-2	Benzene	<0.0061		0.0061	0.0014
75-27-4	Bromodichloromethane	<0.0061		0.0061	0.00062
75-25-2	Bromoform	<0.0061		0.0061	0.0018
74-83-9	Bromomethane	<0.0061		0.0061	0.0021
75-15-0	Carbon disulfide	<0.0061		0.0061	0.0016
56-23-5	Carbon tetrachloride	<0.0061		0.0061	0.0014
108-90-7	Chlorobenzene	<0.0061		0.0061	0.00082
124-48-1	Chlorodibromomethane	<0.0061		0.0061	0.00061
75-00-3	Chloroethane	<0.0061		0.0061	0.0020
67-66-3	Chloroform	<0.0061		0.0061	0.0012
74-87-3	Chloromethane	<0.0061		0.0061	0.0017
156-59-2	cis-1,2-Dichloroethylene	<0.0061		0.0061	0.0014
10061-01-5	cis-1,3-Dichloropropene	<0.0061		0.0061	0.00061
110-82-7	Cyclohexane	<0.0061		0.0061	0.0019
106-93-4	1,2-Dibromoethane	<0.0061		0.0061	0.00061
75-35-4	1,1-Dichlorethylene	<0.0061		0.0061	0.0021
75-34-3	1,1-Dichloroethane	<0.0061		0.0061	0.0020
107-06-2	1,2-Dichloroethane	<0.0061		0.0061	0.0012
78-87-5	1,2-Dichloropropane	<0.0061		0.0061	0.0010
542-75-6	1,3-Dichloropropene, Total	<0.012		0.012	
141-78-6	Ethyl acetate	<0.0061		0.0061	0.0013
100-41-4	Ethylbenzene	<0.0061		0.0061	0.00094
74-88-4	Iodomethane	<0.012		0.012	0.0045
98-82-8	Isopropylbenzene	<0.0061	*	0.0061	0.00090
79-20-9	Methyl acetate	<0.0061		0.0061	0.00090
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.012		0.012	0.00096
108-87-2	Methylcyclohexane	<0.0061		0.0061	0.0015
75-09-2	Methylene Chloride	<0.0061		0.0061	0.0016
78-93-3	Methyl ethyl ketone (MEK)	<0.012		0.012	0.0010
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.012		0.012	0.00061
1634-04-4	Methyl tert-butyl ether	<0.0061		0.0061	0.0010
71-36-3	n-Butanol	<0.12		0.12	0.018
110-54-3	n-Hexane	0.0090		0.0061	0.0024
103-65-1	n-Propylbenzene	<0.0061	*	0.0061	0.0024

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: FIELD DUPLICATE | Lab Sample ID: 510-69047-6

Matrix: Solid | Lab File ID: E2895.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:25

Sample wt/vol: 31.639(g) | Date Analyzed: 08/23/2011 12:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 3.9 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0061	*	0.0061	0.00082
630-20-6	1,1,1,2-Tetrachloroethane	<0.0061	*	0.0061	0.00084
79-34-5	1,1,2,2-Tetrachloroethane	<0.0061		0.0061	0.0014
127-18-4	Tetrachloroethylene	<0.0061		0.0061	0.0013
108-88-3	Toluene	<0.0061		0.0061	0.0014
156-60-5	trans-1,2-Dichloroethylene	<0.0061		0.0061	0.0021
10061-02-6	trans-1,3-Dichloropropene	<0.0061		0.0061	0.00061
71-55-6	1,1,1-Trichloroethane	<0.0061		0.0061	0.0014
79-00-5	1,1,2-Trichloroethane	<0.0061		0.0061	0.00084
79-01-6	Trichloroethene	<0.0061		0.0061	0.0014
75-69-4	Trichlorofluoromethane	<0.0061		0.0061	0.0021
95-63-6	1,2,4-Trimethylbenzene	<0.0061	*	0.0061	0.0024
108-67-8	1,3,5-Trimethylbenzene	<0.0061	*	0.0061	0.00090
108-05-4	Vinyl acetate	<0.0061		0.0061	0.0015
75-01-4	Vinyl chloride	<0.0061		0.0061	0.0027
1330-20-7	Xylenes, Total	<0.012	*	0.012	0.0025

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	110		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	131		76-137
2037-26-5	Toluene-d8 (Surr)	88		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Lims ID:	510-69047-D-6-A	Client ID:	FIELD DUPLICATE
Inject. Date:	23-Aug-2011 12:30:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-D-6-A		
Misc. Info.:	510-0005425-016 =510-0005425-016		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	85487	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 13:59:25

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
*	1 Fluorobenzene	96	6.919	6.919	-0.001	0	1424967	50.0	M
*	2 Chlorobenzene-d5	117	10.654	10.655	-0.001	88	922752	50.0	
*	3 1,4-Dichlorobenzene-d4	152	13.921	13.921	0.0	97	413561	50.0	
$	5 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.536	0.005	0	467737	65.4	
$	6 Toluene-d8 (Surr)	98	8.792	8.793	-0.001	95	1272006	44.0	
$	7 4-Bromofluorobenzene (Surr)	95	12.266	12.261	0.005	85	452526	55.0	
	18 Acetone	58	3.822	3.811	0.011	96	30207	24.2	
	27 Hexane	57	4.862	4.863	-0.001	91	73152	7.34	
	34 2-Butanone (MEK)	72	5.659	5.648	0.011	62	8802	4.52	M
	38 Cyclohexane	84	6.274	6.268	0.006	77	21434	1.47	
	41 Benzene	78	6.614	6.615	-0.001	67	125061	1.08	
	45 Trichloroethene	132	7.332	7.339	-0.007	86	3130	0.2891	
	46 Methylcyclohexane	83	7.576	7.570	0.006	93	34127	1.86	
	53 Toluene	91	8.877	8.872	0.005	55	200029	2.87	
	57 Tetrachloroethene	164	9.565	9.572	-0.007	86	8337	0.9610	M
	64 Ethylbenzene	91	10.836	10.837	-0.001	94	35656	1.09	
	66 o-Xylene	91	11.542	11.537	0.005	72	10832	0.6415	
	80 1,2,4-Trimethylbenzene	105	13.422	13.423	-0.001	64	10232	0.4573	
S	91 Xylenes, Total	100				0		0.6415	

QC Flag Legend

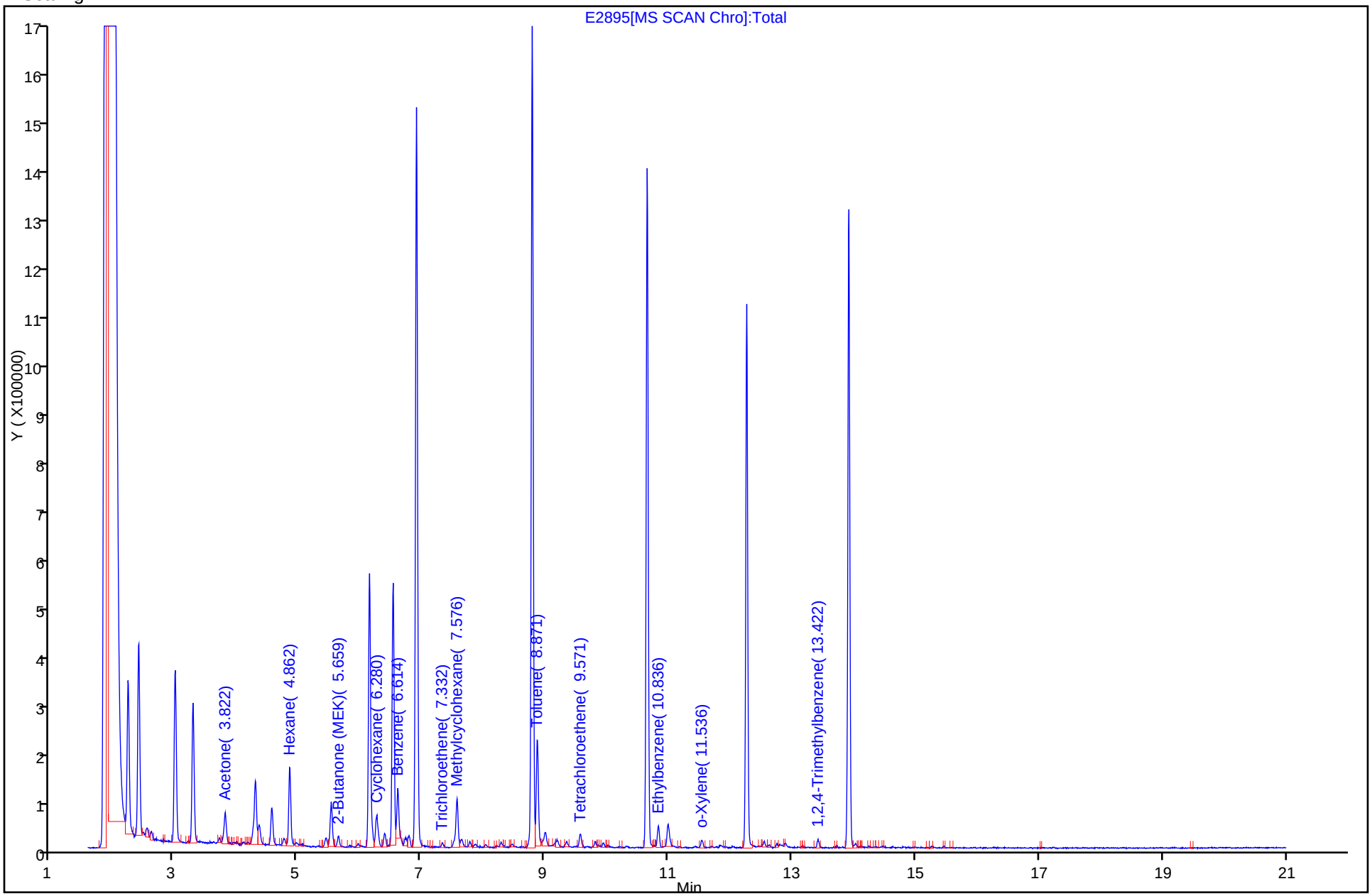
Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D

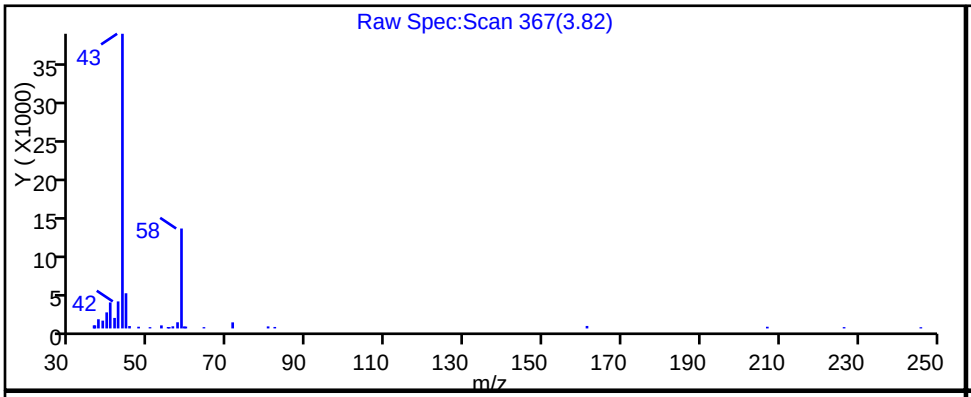
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

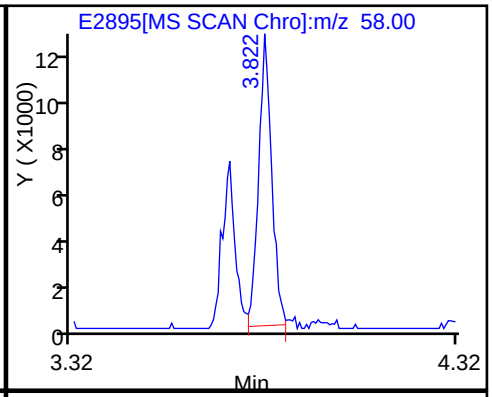
Y Scaling:

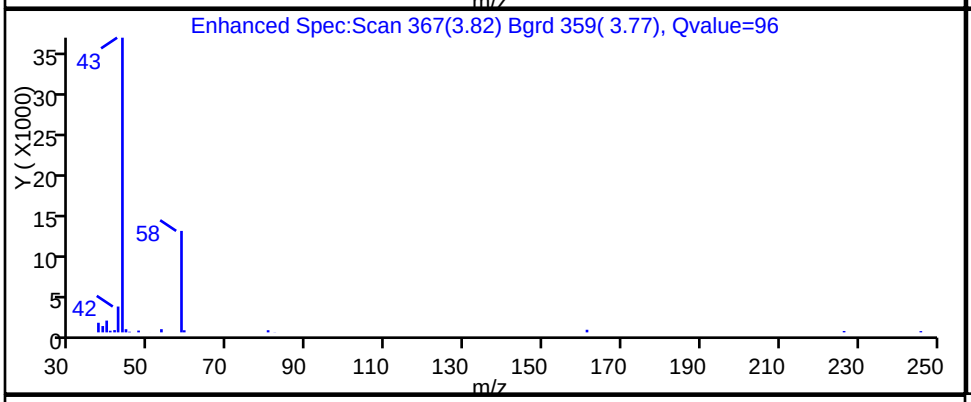


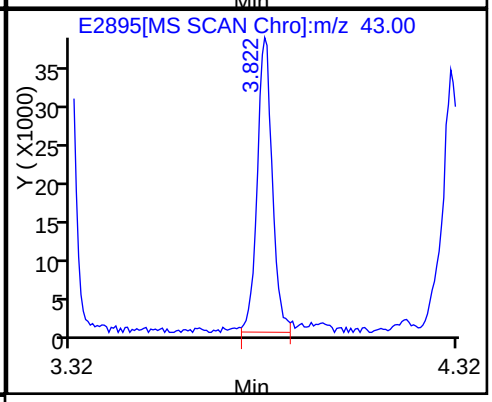
Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D
Injection Date: 23-Aug-2011 12:30:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: FIELD DUPLICATE Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 16
Operator ID: WH

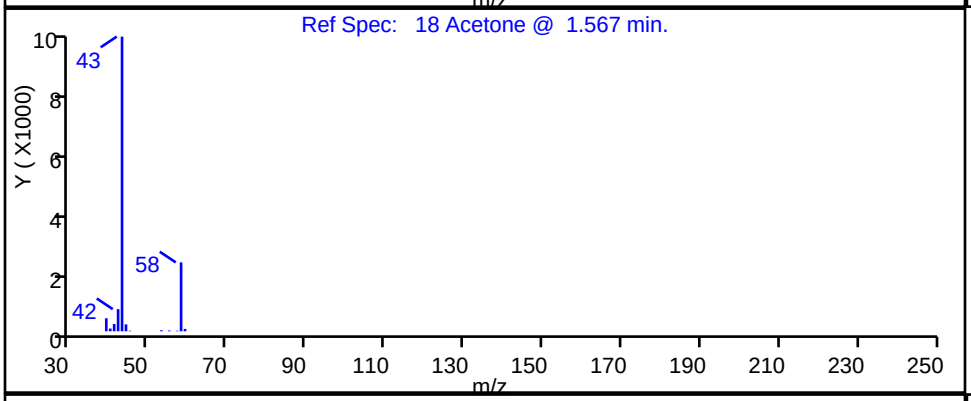
18 Acetone

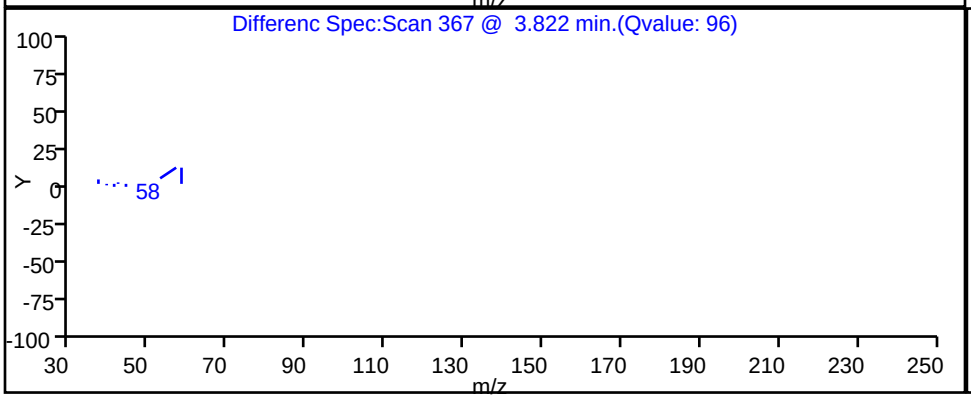


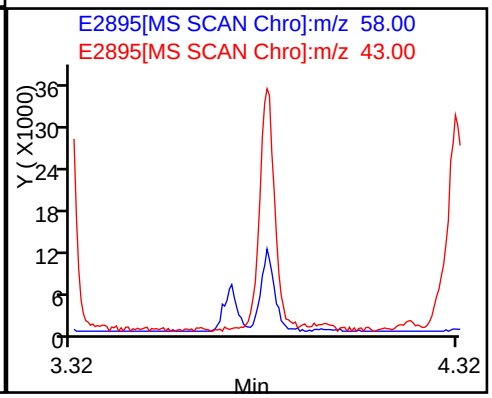






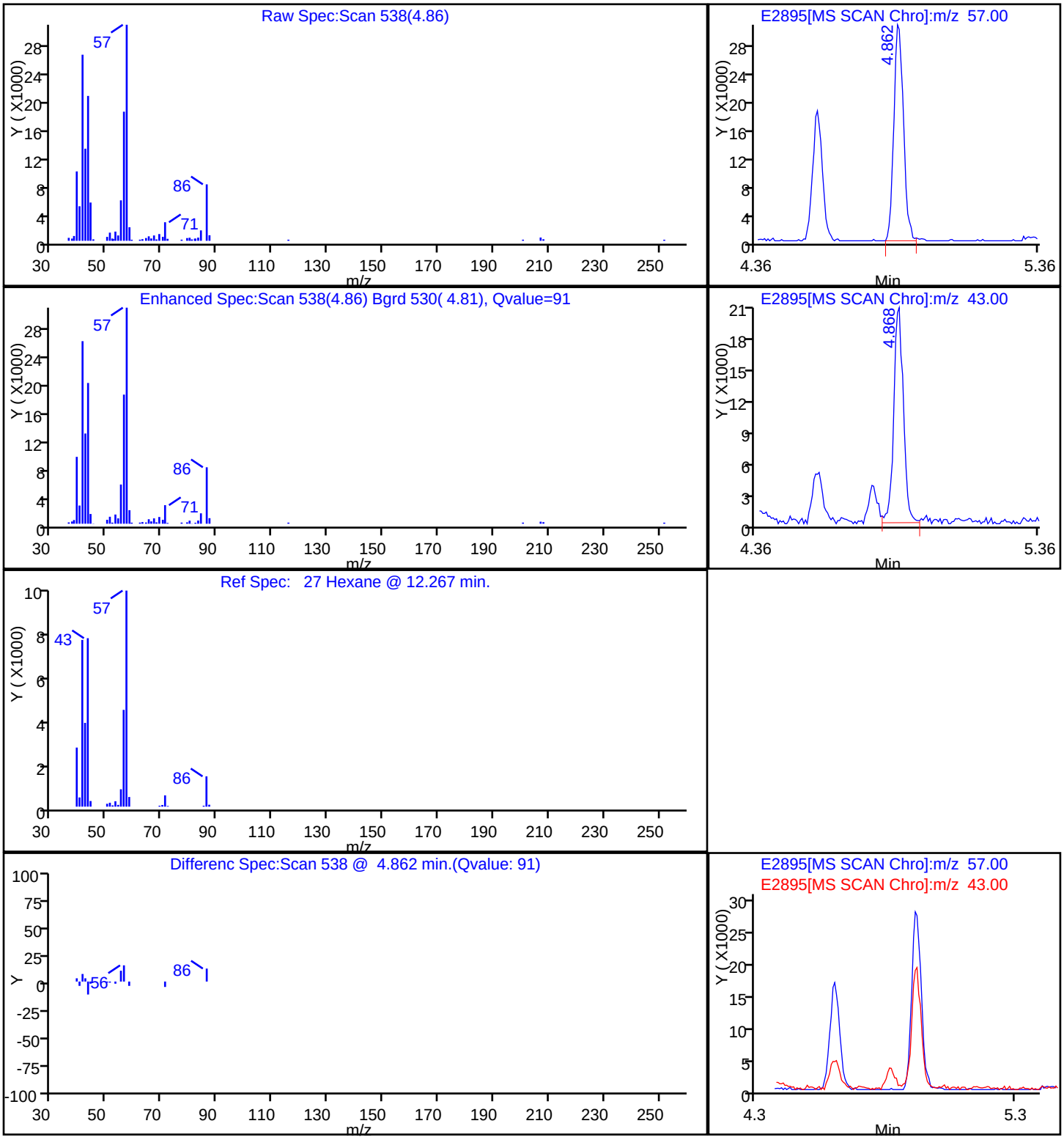






Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D
Injection Date: 23-Aug-2011 12:30:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: FIELD DUPLICATE Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 16
Operator ID: WH

27 Hexane

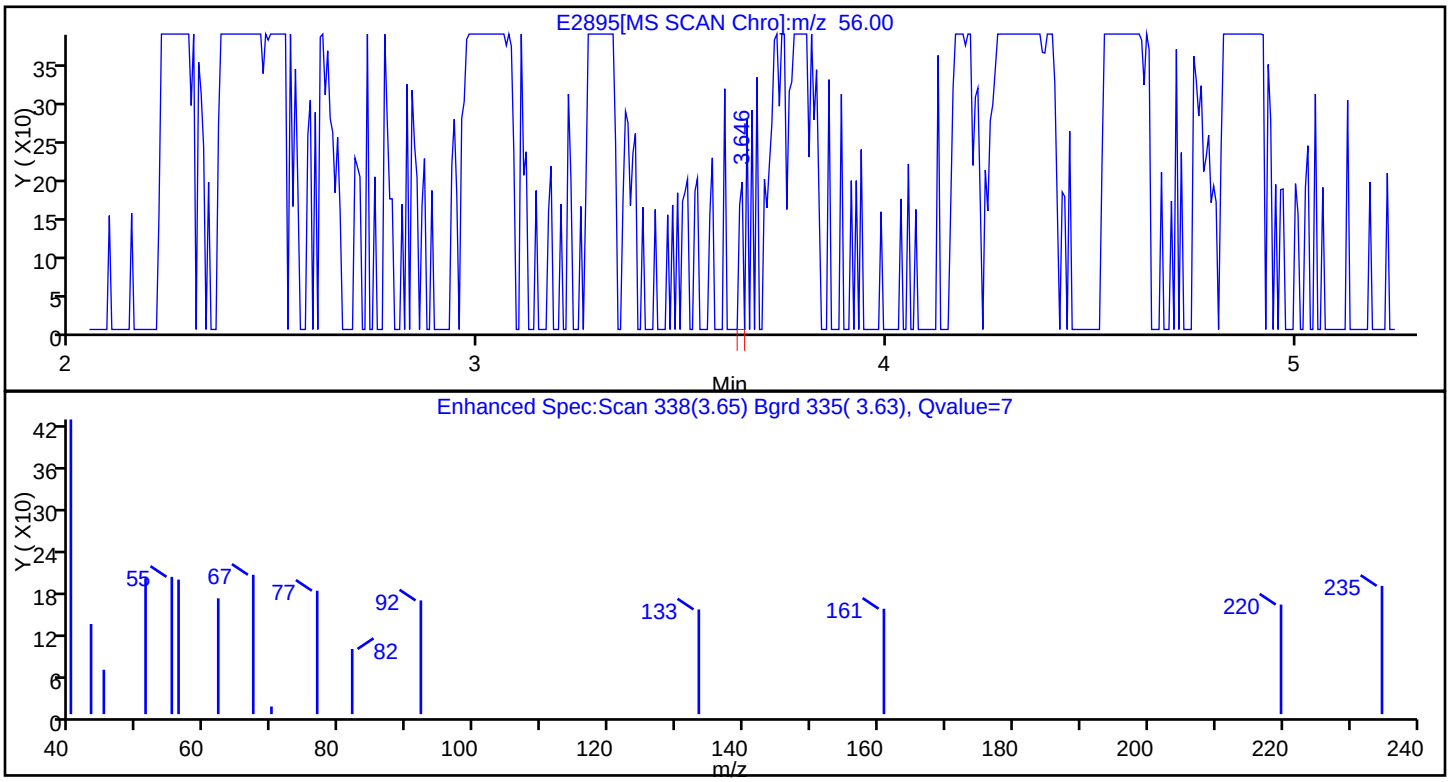


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.65	56.00	131	0.223483
3.65	55.00	1145	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

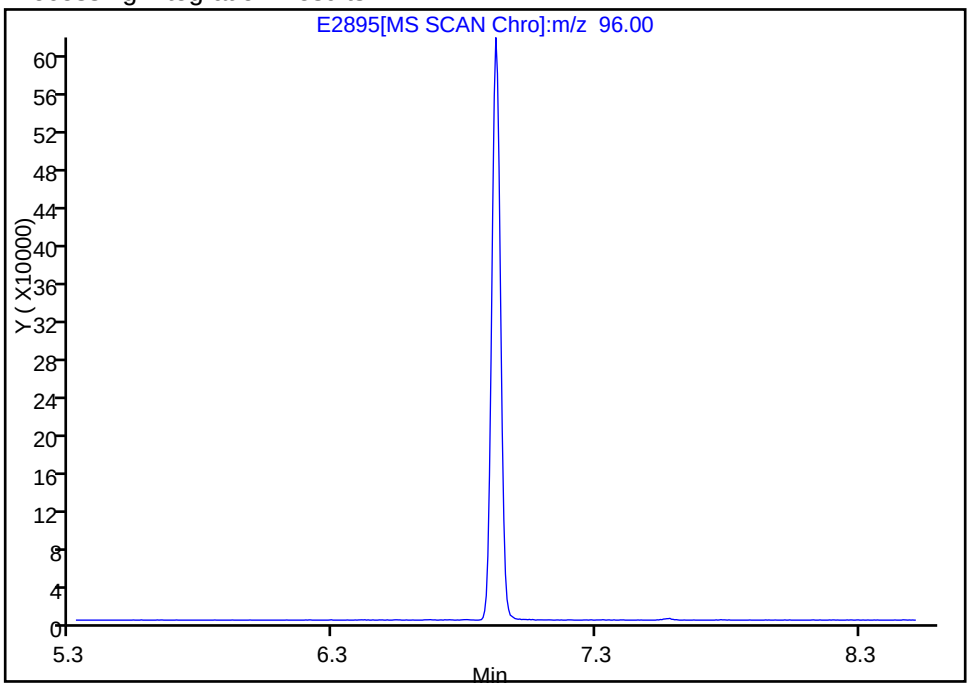
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

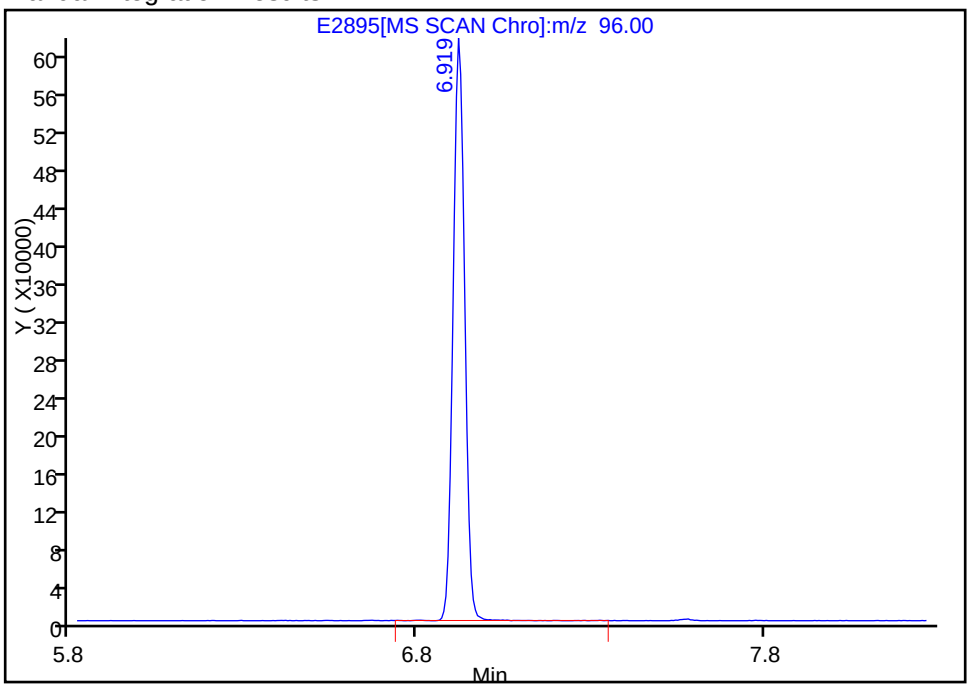
Processing Integration Results

Not Detected
Expected RT: 6.92



Manual Integration Results

RT: 6.92
Response: 1424967
Amount: 50.000000



Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

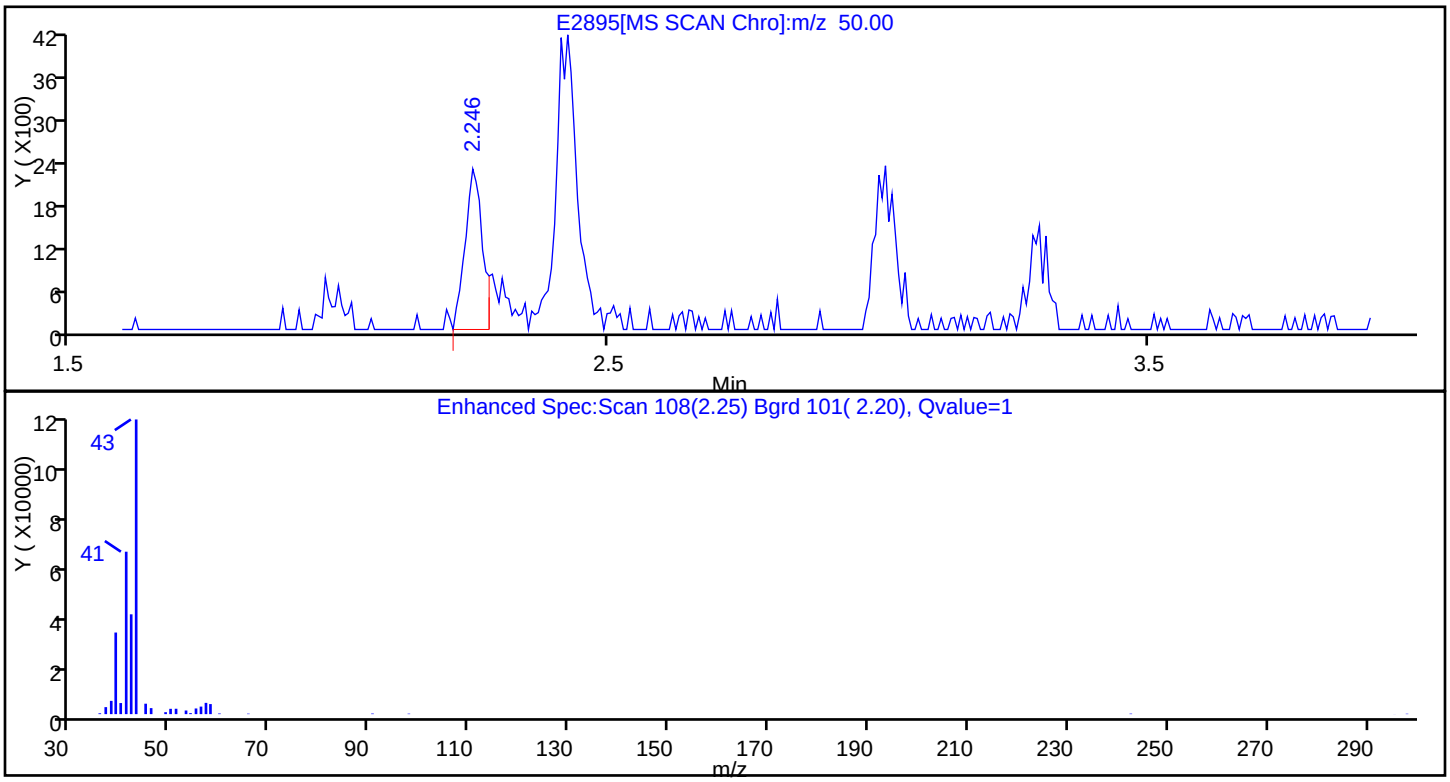
Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

9 Chloromethane

Processing Results



RT	Mass	Response	Amount
2.25	50.00	5024	0.537968
2.25	52.00	339	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

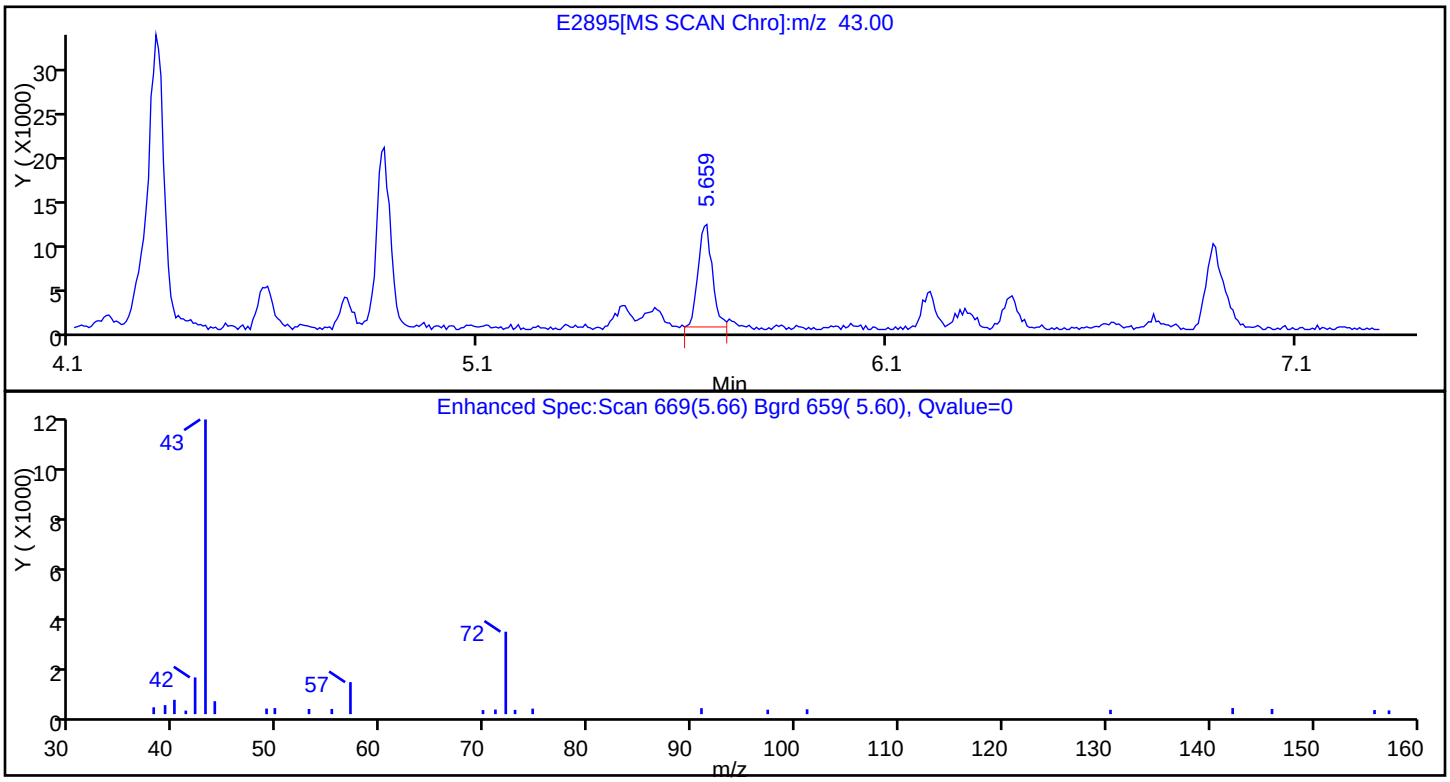
Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

105 Ethyl acetate

Processing Results



RT	Mass	Response	Amount
5.66	43.00	28578	3.788783
5.65	61.00	64	
5.65	70.00	348	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

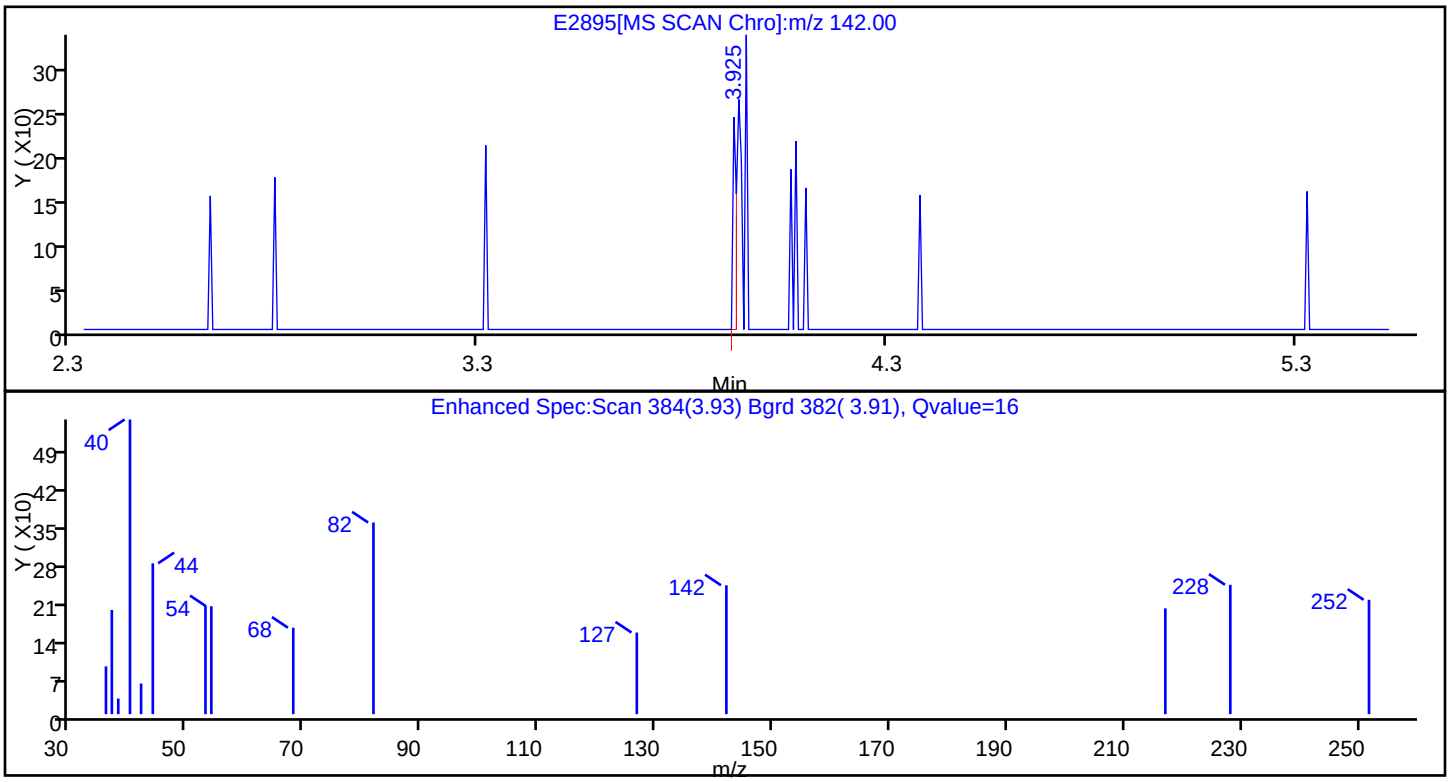
Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.93	142.00	143	2.902621
3.92	127.00	120	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

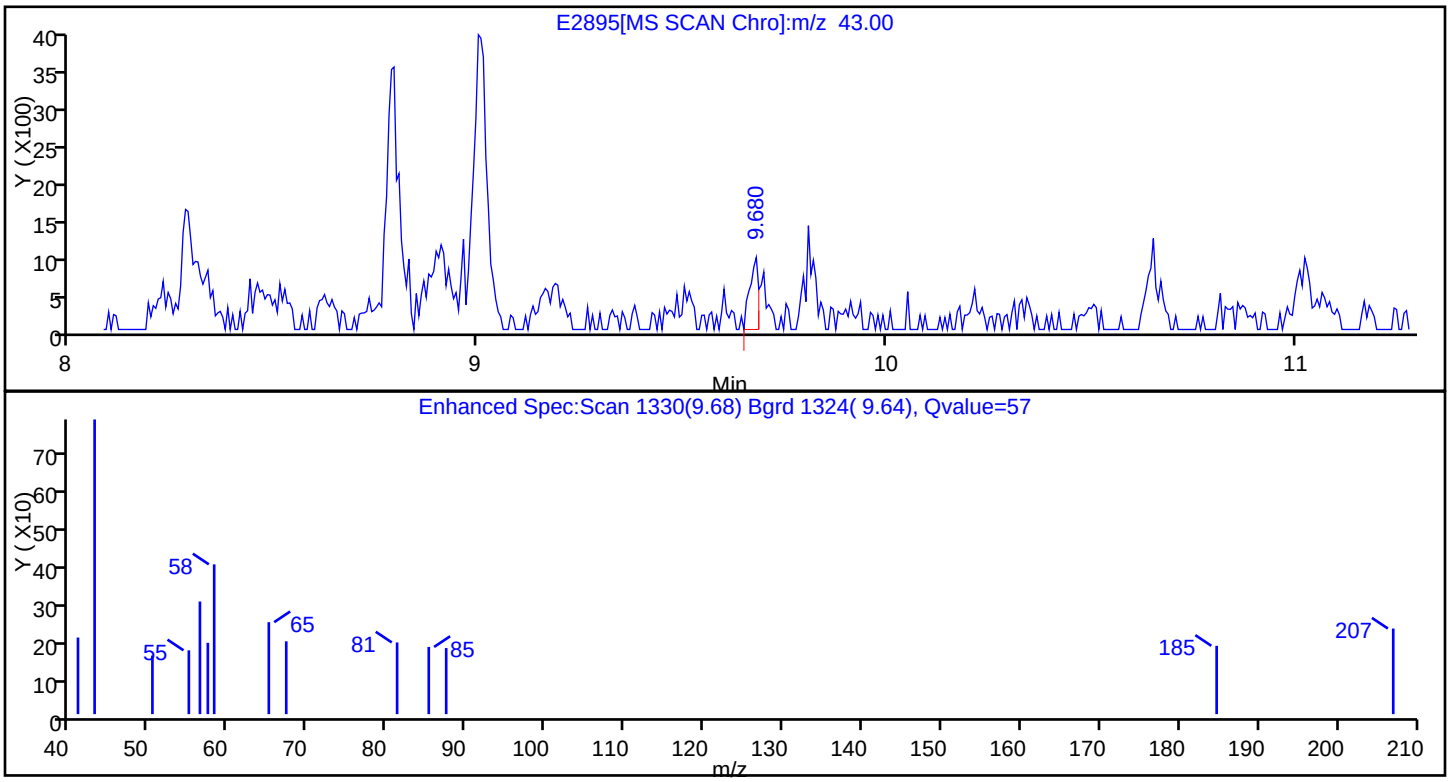
Report Date: 23-Aug-2011 13:59:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.68	43.00	1394	0.294042
9.69	58.00	817	
9.67	85.00	131	

Reviewer: hobartw, 23-Aug-2011 13:59:25

Audit Action: Marked Compound Undetected

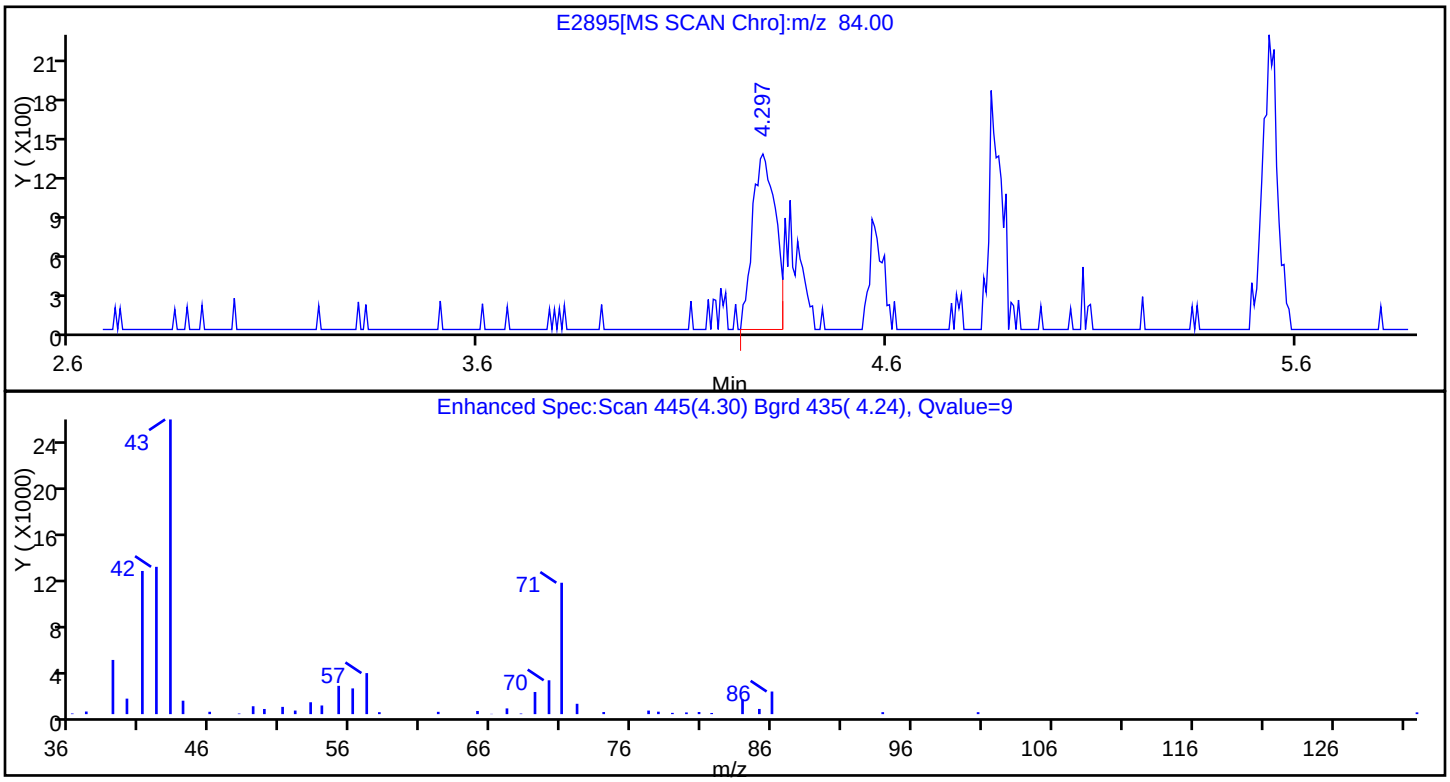
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

22 Methylene Chloride

Processing Results



RT	Mass	Response	Amount
4.30	84.00	5130	0.569072
4.29	49.00	1864	
4.30	86.00	668	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 13:59:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

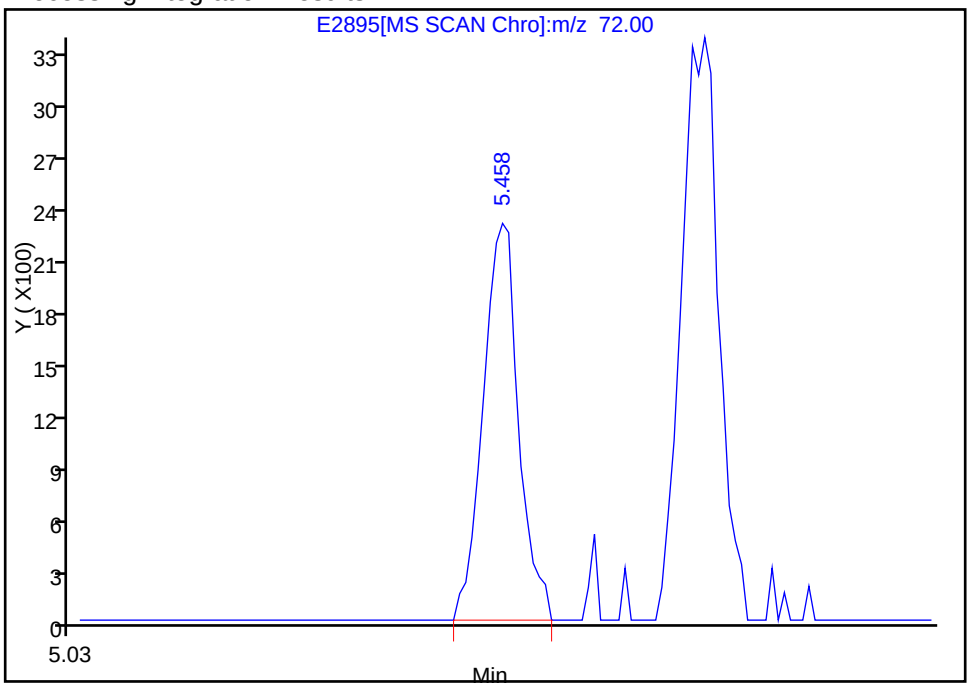
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

34 2-Butanone (MEK), Signal: 1, m/z: 72.0 Type: quant, RT: 5.65

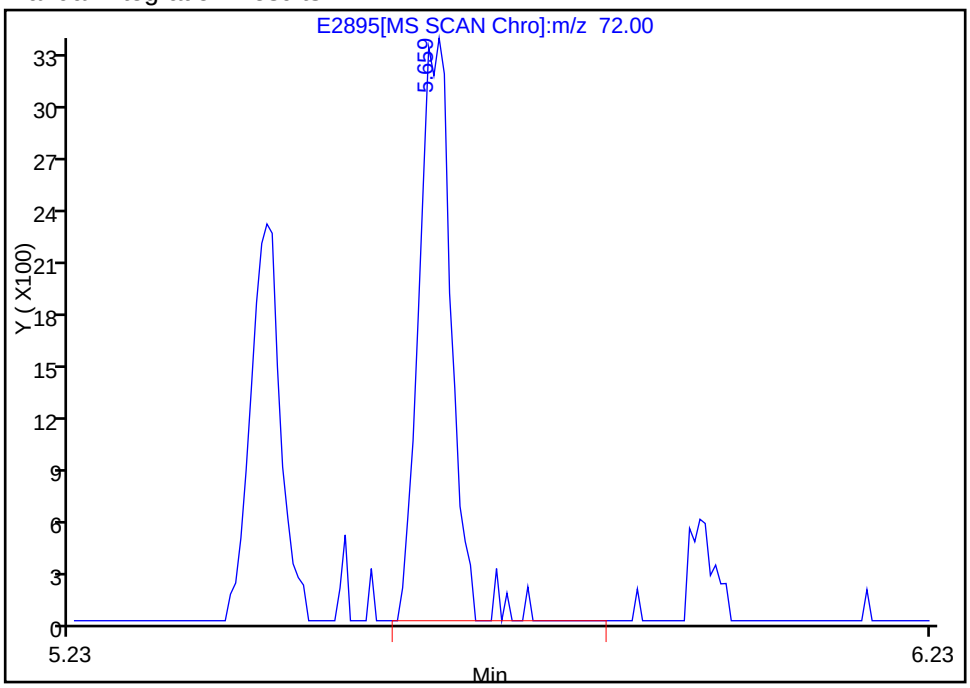
Processing Integration Results

RT: 5.46
Response: 5520
Amount: 1.881704



Manual Integration Results

RT: 5.66
Response: 8802
Amount: 4.518277



Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

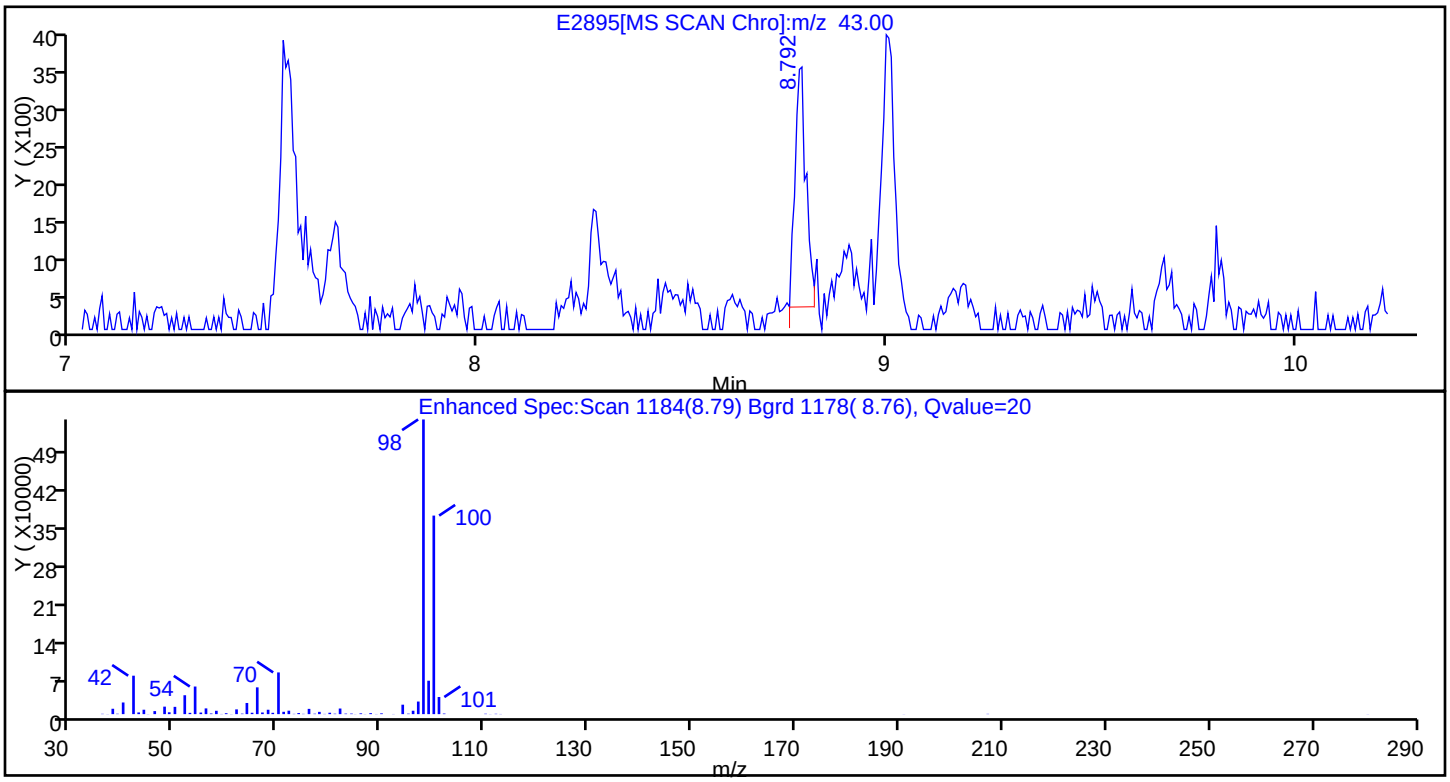
Report Date: 23-Aug-2011 13:59:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	6005	1.011798
8.79	58.00	13146	
8.80	85.00	196	

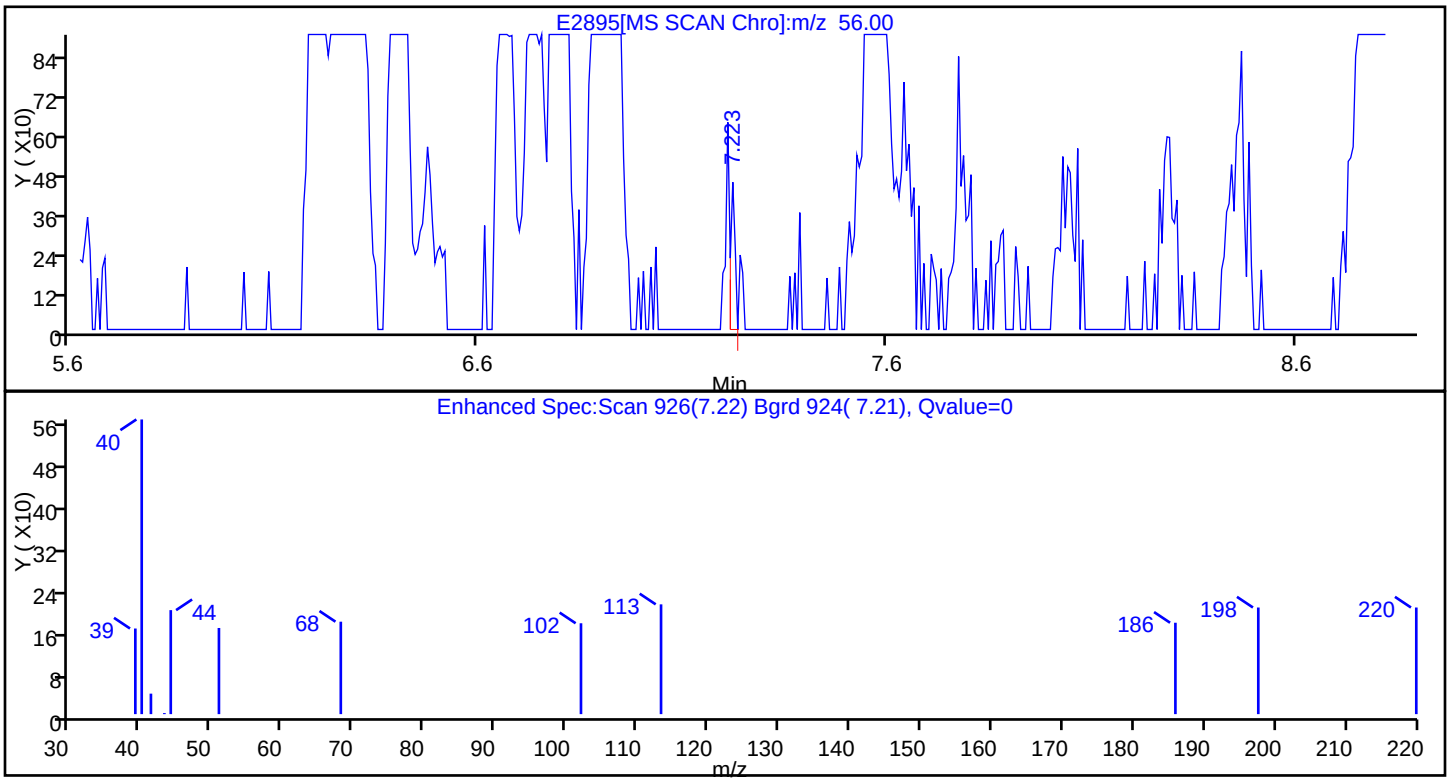
Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	339	1.804403
7.22	41.00	427	
7.22	43.00	609	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 13:59:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

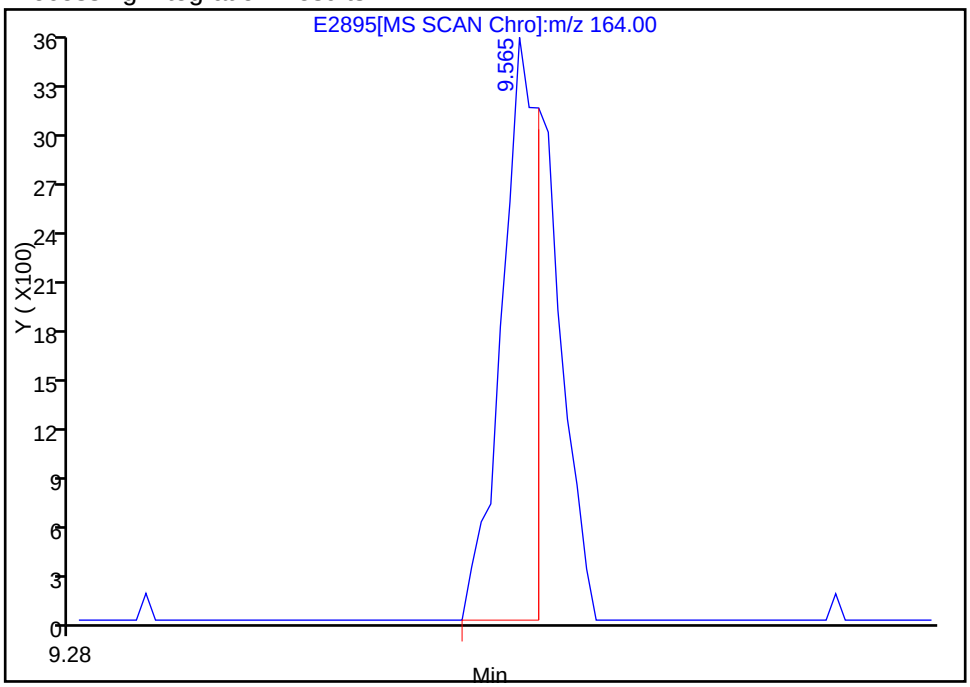
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

57 Tetrachloroethene, Signal: 1, m/z: 164.0 Type: quant, RT: 9.57

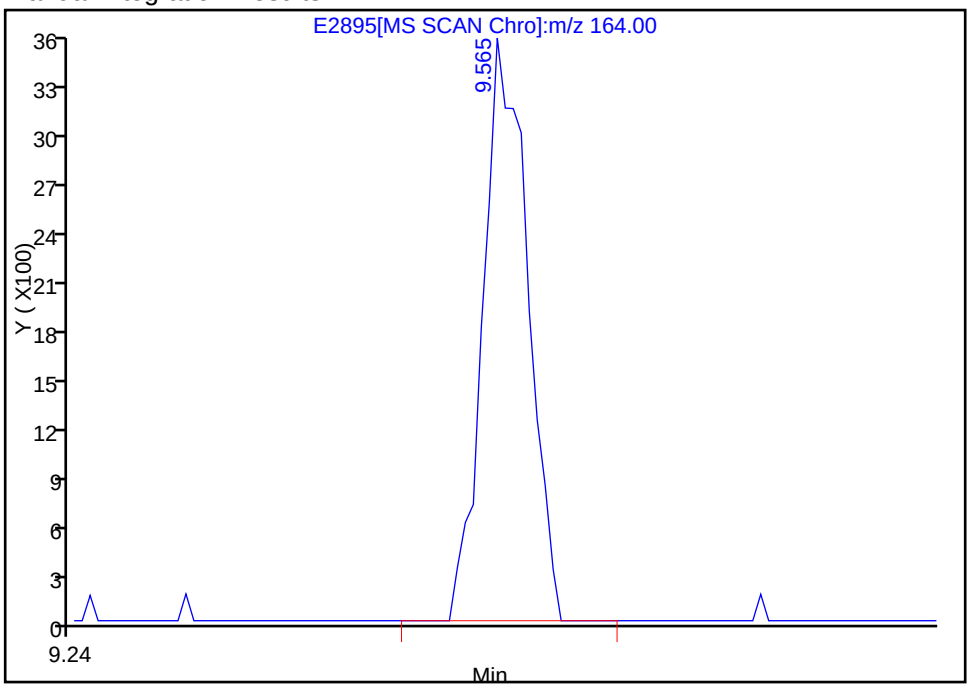
Processing Integration Results

RT: 9.56
Response: 5717
Amount: 0.658994



Manual Integration Results

RT: 9.56
Response: 8337
Amount: 0.960999



Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

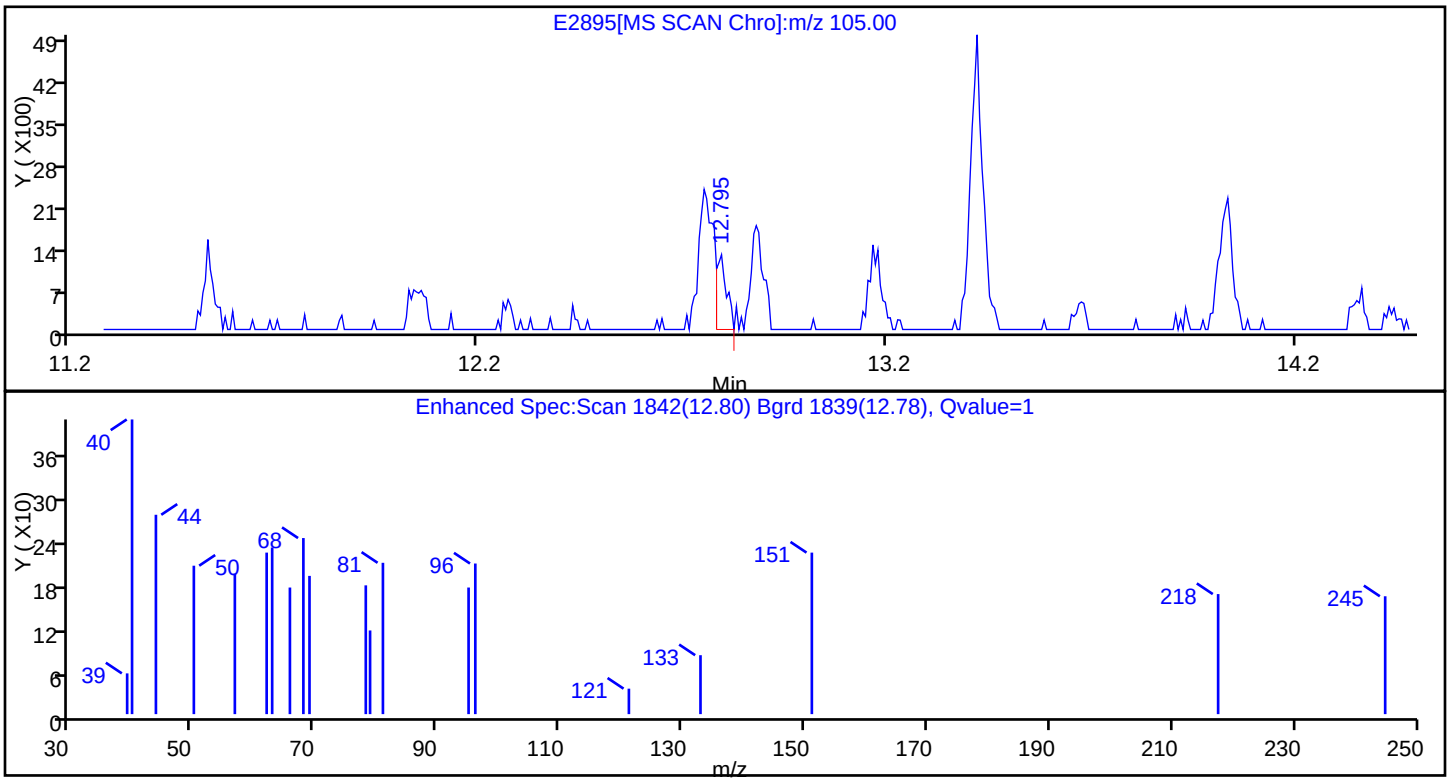
Report Date: 23-Aug-2011 13:59:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2895.D		
Injection Date:	23-Aug-2011 12:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	16
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.80	105.00	2103	0.403930
12.80	120.00	280	
12.81	91.00	282	

Reviewer: hobartw, 23-Aug-2011 13:59:25
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 | Lab Sample ID: 510-69047-7

Matrix: Solid | Lab File ID: E2896.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 31.945(g) | Date Analyzed: 08/23/2011 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.021		0.013	0.0027
107-02-8	Acrolein	<0.27		0.27	0.0033
71-43-2	Benzene	<0.0067		0.0067	0.0015
75-27-4	Bromodichloromethane	<0.0067		0.0067	0.00068
75-25-2	Bromoform	<0.0067		0.0067	0.0019
74-83-9	Bromomethane	<0.0067		0.0067	0.0024
75-15-0	Carbon disulfide	<0.0067		0.0067	0.0017
56-23-5	Carbon tetrachloride	<0.0067		0.0067	0.0015
108-90-7	Chlorobenzene	<0.0067		0.0067	0.00090
124-48-1	Chlorodibromomethane	<0.0067		0.0067	0.00067
75-00-3	Chloroethane	<0.0067		0.0067	0.0022
67-66-3	Chloroform	<0.0067		0.0067	0.0014
74-87-3	Chloromethane	<0.0067		0.0067	0.0019
156-59-2	cis-1,2-Dichloroethylene	<0.0067		0.0067	0.0016
10061-01-5	cis-1,3-Dichloropropene	<0.0067		0.0067	0.00067
110-82-7	Cyclohexane	<0.0067		0.0067	0.0021
106-93-4	1,2-Dibromoethane	<0.0067		0.0067	0.00067
75-35-4	1,1-Dichlorethylene	<0.0067		0.0067	0.0023
75-34-3	1,1-Dichloroethane	<0.0067		0.0067	0.0022
107-06-2	1,2-Dichloroethane	<0.0067		0.0067	0.0013
78-87-5	1,2-Dichloropropane	<0.0067		0.0067	0.0012
542-75-6	1,3-Dichloropropene, Total	<0.013		0.013	
141-78-6	Ethyl acetate	<0.0067		0.0067	0.0014
100-41-4	Ethylbenzene	<0.0067		0.0067	0.0010
74-88-4	Iodomethane	<0.013		0.013	0.0049
98-82-8	Isopropylbenzene	<0.0067	*	0.0067	0.00099
79-20-9	Methyl acetate	<0.0067		0.0067	0.00099
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.013		0.013	0.0011
108-87-2	Methylcyclohexane	<0.0067		0.0067	0.0016
75-09-2	Methylene Chloride	<0.0067		0.0067	0.0017
78-93-3	Methyl ethyl ketone (MEK)	<0.013		0.013	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.013		0.013	0.00067
1634-04-4	Methyl tert-butyl ether	<0.0067		0.0067	0.0012
71-36-3	n-Butanol	<0.13		0.13	0.020
110-54-3	n-Hexane	0.0079		0.0067	0.0027
103-65-1	n-Propylbenzene	<0.0067	*	0.0067	0.0027

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 | Lab Sample ID: 510-69047-7

Matrix: Solid | Lab File ID: E2896.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 31.945(g) | Date Analyzed: 08/23/2011 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0067	*	0.0067	0.00090
630-20-6	1,1,1,2-Tetrachloroethane	<0.0067	*	0.0067	0.00093
79-34-5	1,1,2,2-Tetrachloroethane	<0.0067		0.0067	0.0015
127-18-4	Tetrachloroethylene	<0.0067		0.0067	0.0015
108-88-3	Toluene	<0.0067		0.0067	0.0015
156-60-5	trans-1,2-Dichloroethylene	<0.0067		0.0067	0.0023
10061-02-6	trans-1,3-Dichloropropene	<0.0067		0.0067	0.00067
71-55-6	1,1,1-Trichloroethane	<0.0067		0.0067	0.0015
79-00-5	1,1,2-Trichloroethane	<0.0067		0.0067	0.00093
79-01-6	Trichloroethene	<0.0067		0.0067	0.0016
75-69-4	Trichlorofluoromethane	<0.0067		0.0067	0.0023
95-63-6	1,2,4-Trimethylbenzene	<0.0067	*	0.0067	0.0027
108-67-8	1,3,5-Trimethylbenzene	<0.0067	*	0.0067	0.00099
108-05-4	Vinyl acetate	<0.0067		0.0067	0.0017
75-01-4	Vinyl chloride	<0.0067		0.0067	0.0030
1330-20-7	Xylenes, Total	<0.013	*	0.013	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	106		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	132		76-137
2037-26-5	Toluene-d8 (Surr)	89		70-130

Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Lims ID:	510-69047-D-7-A	Client ID:	SSW-1
Inject. Date:	23-Aug-2011 13:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-D-7-A		
Misc. Info.:	510-0005425-017 =510-0005425-017		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	85487	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 14:29:49

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.922	6.919	0.003	97	1533190	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.655	-0.003	89	1036386	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.921	-0.003	97	492818	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	508383	66.1	
$ 100 BFB	95	6.922	7.159	-0.237	0	151722	0	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	85	1390245	44.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	83	519704	53.0	
18 Acetone	58	3.820	3.811	0.009	99	24876	15.5	
27 Hexane	57	4.866	4.863	0.003	93	62518	5.83	
34 2-Butanone (MEK)	72	5.657	5.648	0.009	86	4371	0.7108	
38 Cyclohexane	84	6.272	6.268	0.004	48	15133	0.9669	
41 Benzene	78	6.618	6.615	0.003	66	137990	1.16	
45 Trichloroethene	132	7.342	7.339	0.003	96	46399	3.98	
46 Methylcyclohexane	83	7.579	7.570	0.009	88	31924	1.62	
53 Toluene	91	8.875	8.872	0.003	61	144253	1.39	
57 Tetrachloroethene	164	9.575	9.572	0.003	86	6217	0.6660	
64 Ethylbenzene	91	10.834	10.837	-0.003	77	14238	0.5559	
66 o-Xylene	91	11.540	11.537	0.003	68	7680	0.5231	
80 1,2,4-Trimethylbenzene	105	13.420	13.423	-0.003	28	4784	0.2347	
S 91 Xylenes, Total	100				0		0.5231	

Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D

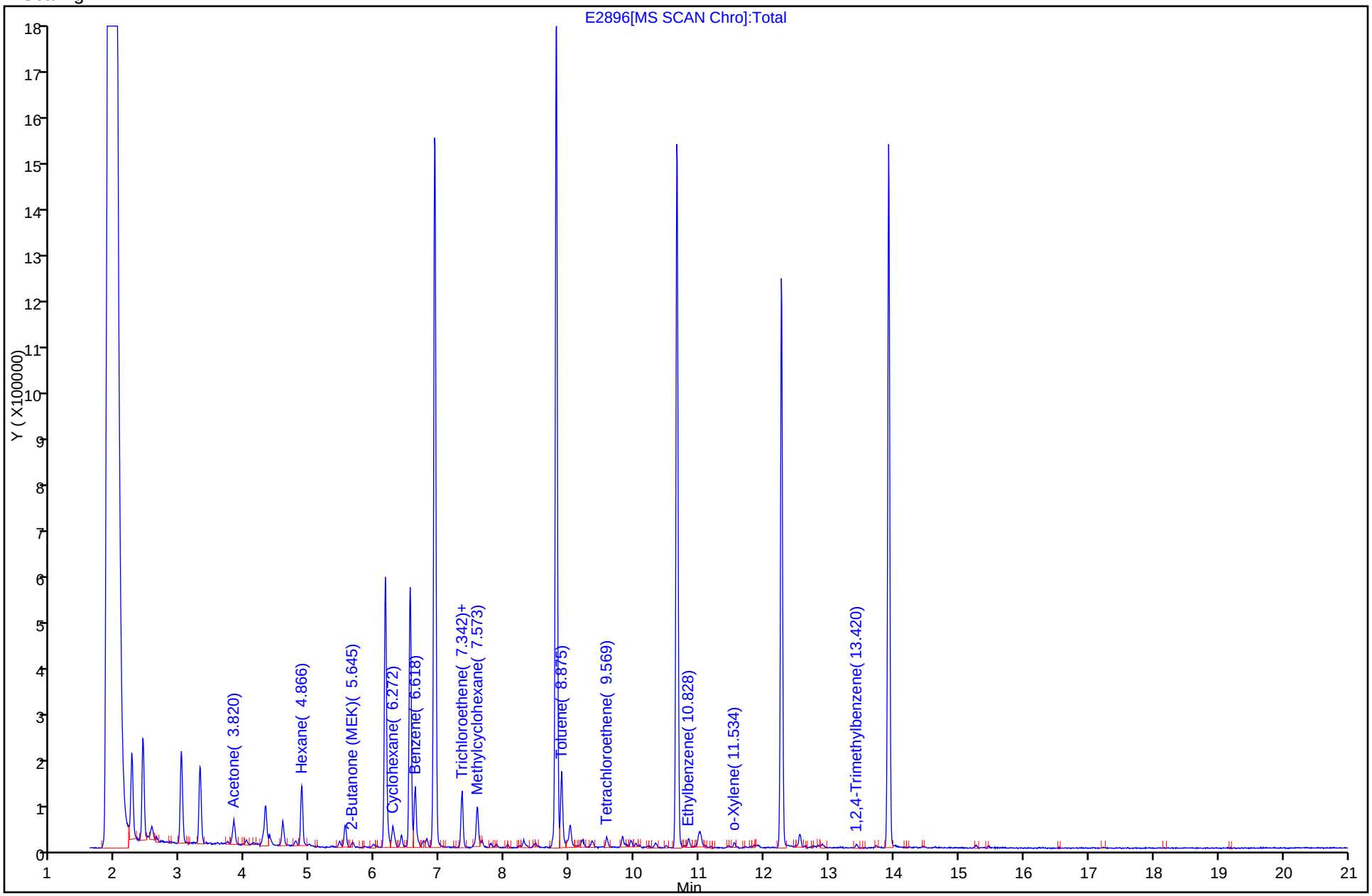
Injection Date: 23-Aug-2011 13:05:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SSW-1 Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 17

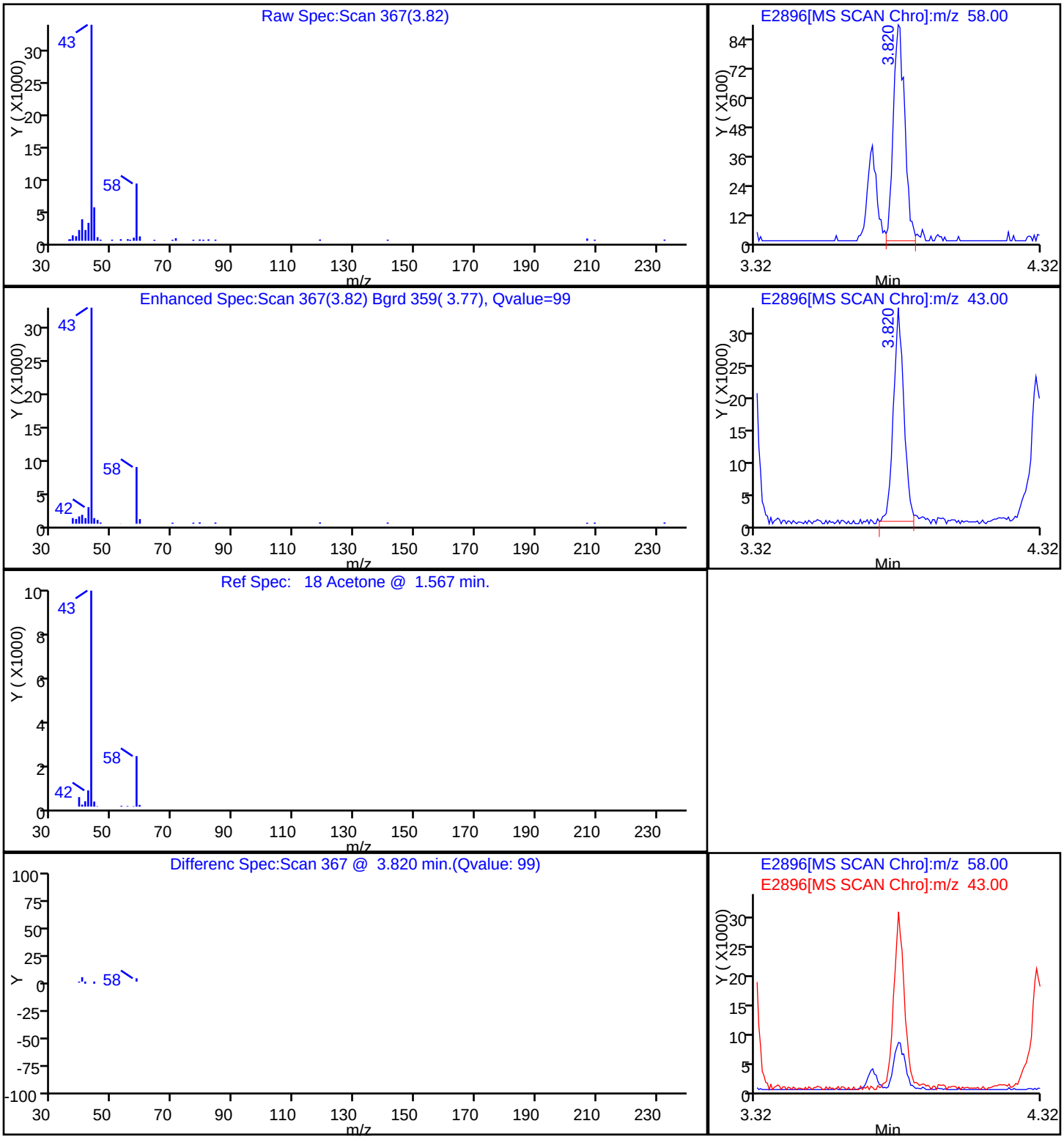
Operator ID: WH

Y Scaling:



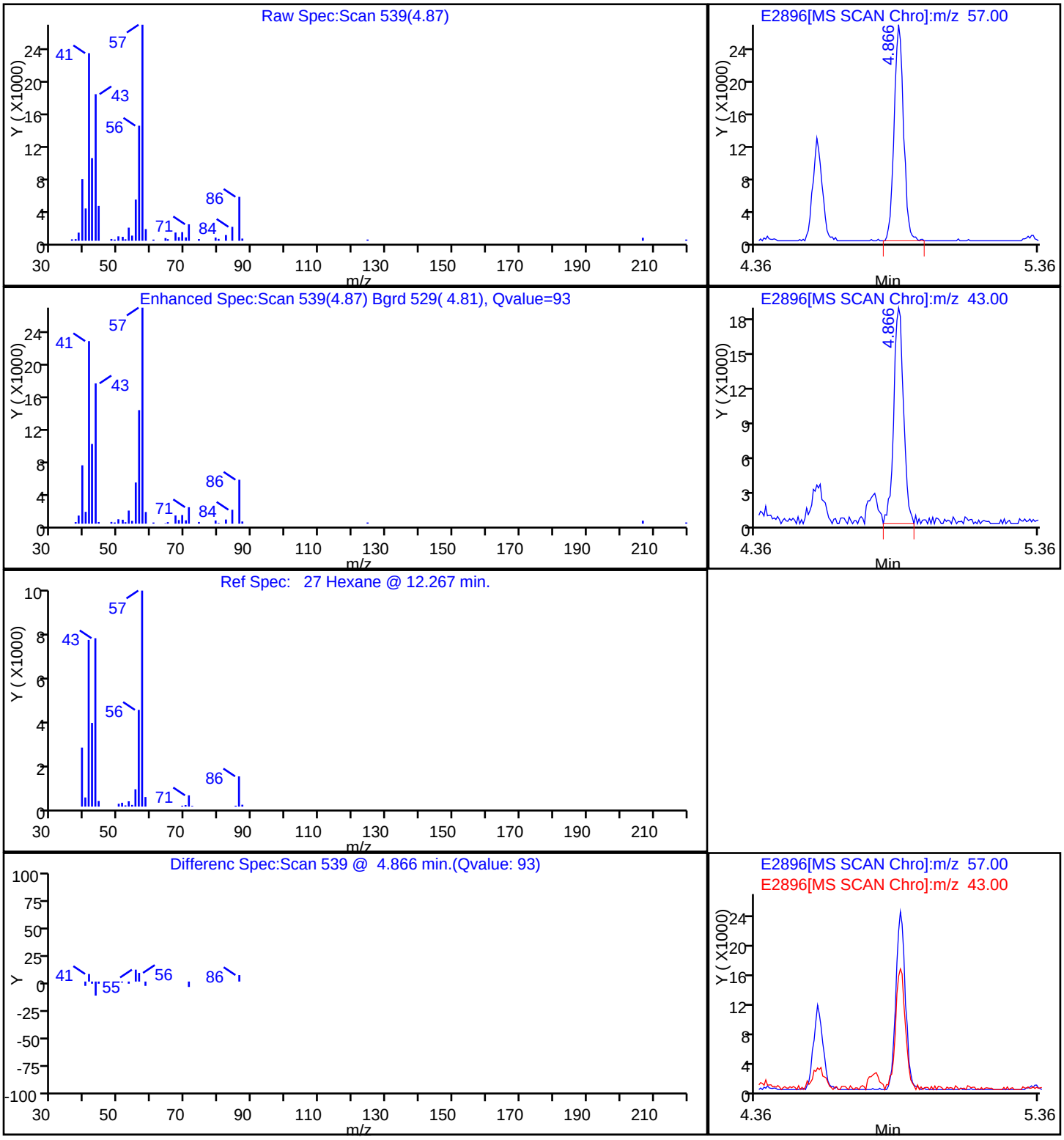
Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D
Injection Date: 23-Aug-2011 13:05:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: SSW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 17
Operator ID: WH

18 Acetone



Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D
Injection Date: 23-Aug-2011 13:05:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: SSW-1 Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 17
Operator ID: WH

27 Hexane

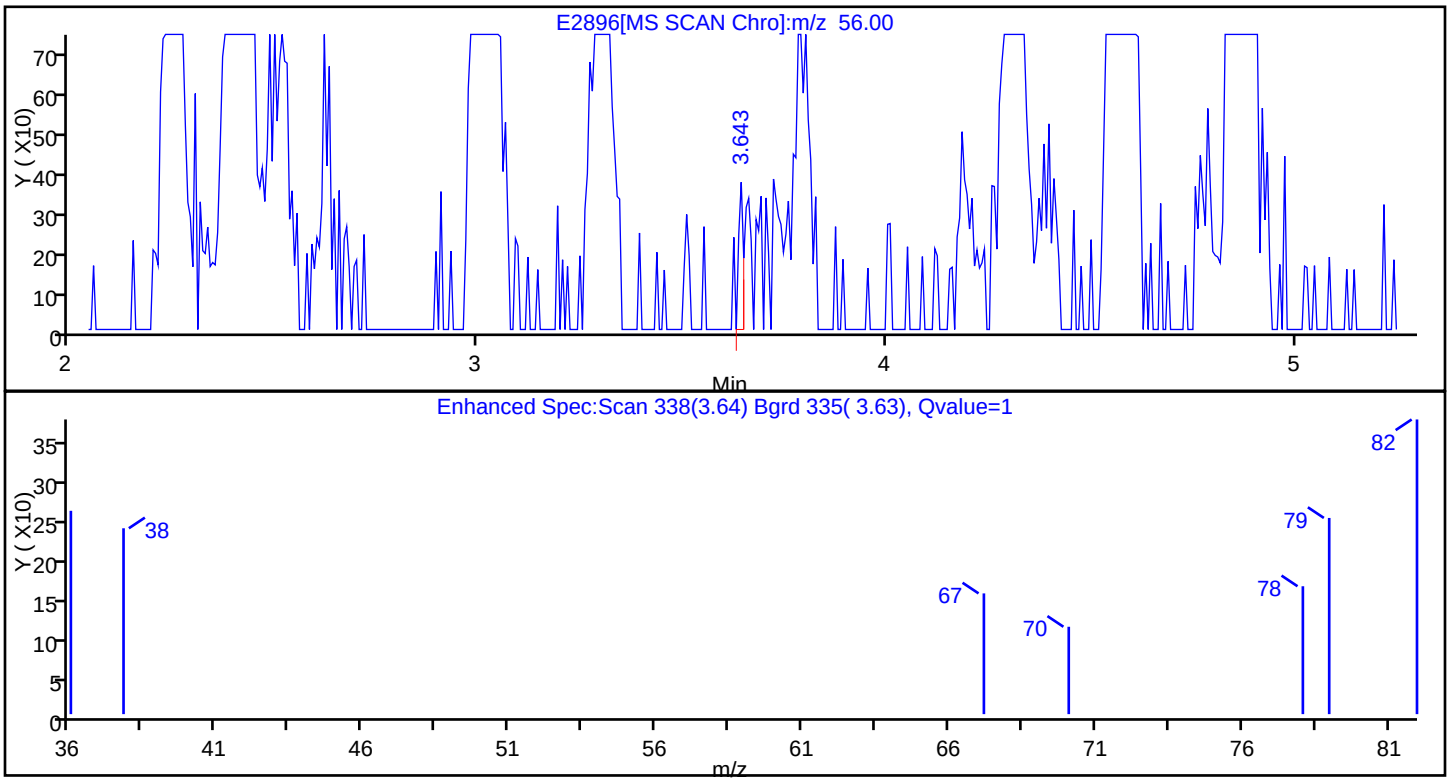


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	291	0.461398
3.63	55.00	1445	

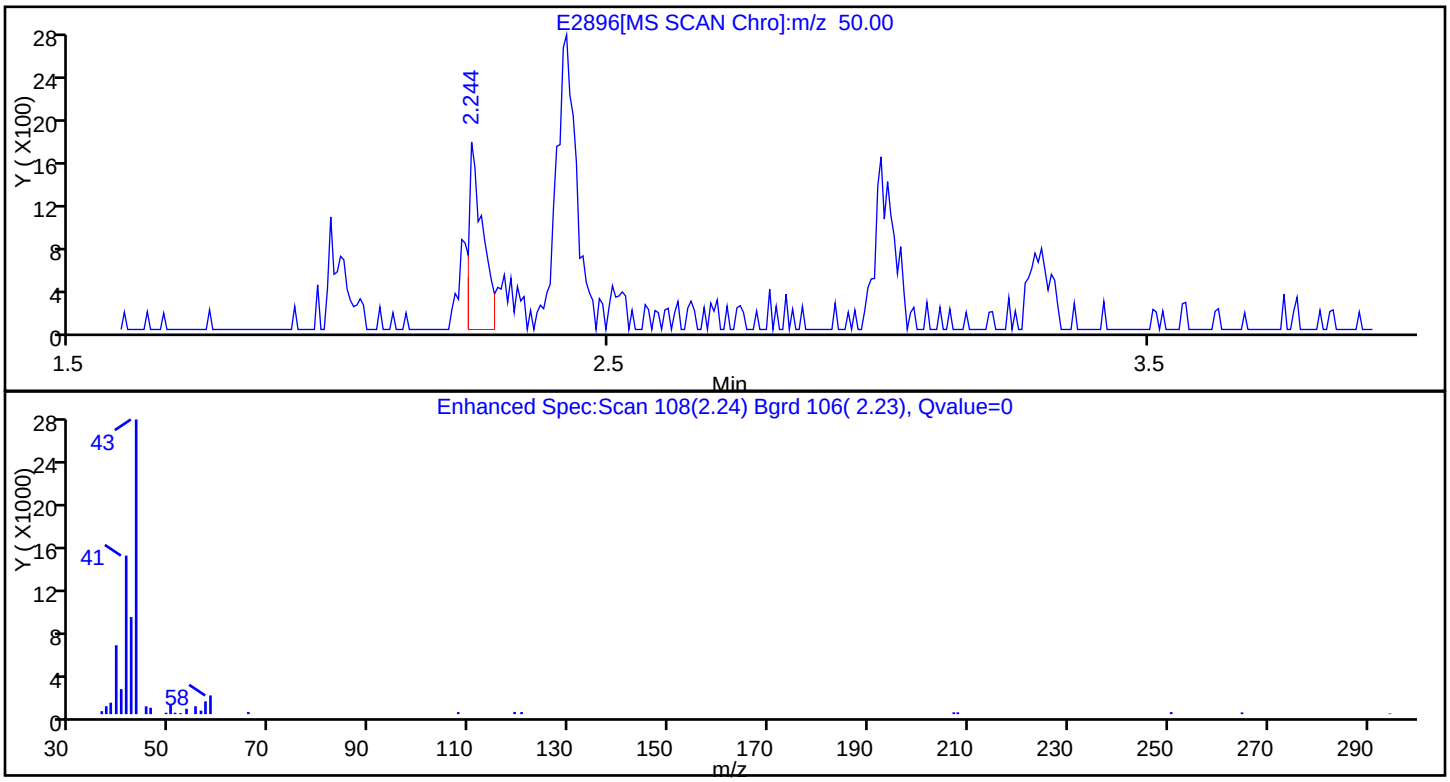
Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

9 Chloromethane

Processing Results



RT	Mass	Response	Amount
2.24	50.00	2981	0.296673
2.24	52.00	425	

Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

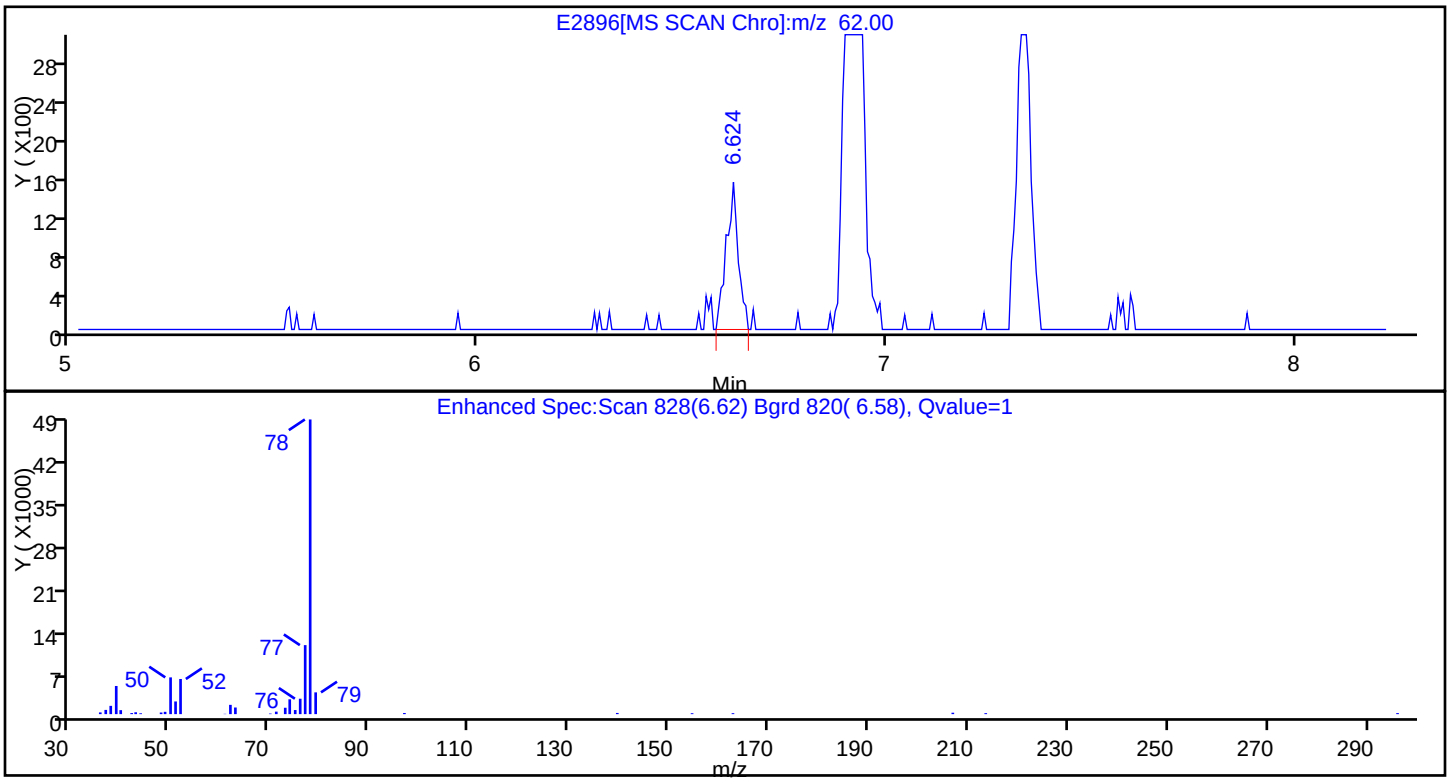
Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

42 1,2-Dichloroethane

Processing Results



RT	Mass	Response	Amount
6.62	62.00	3162	0.252116
6.64	64.00	433	

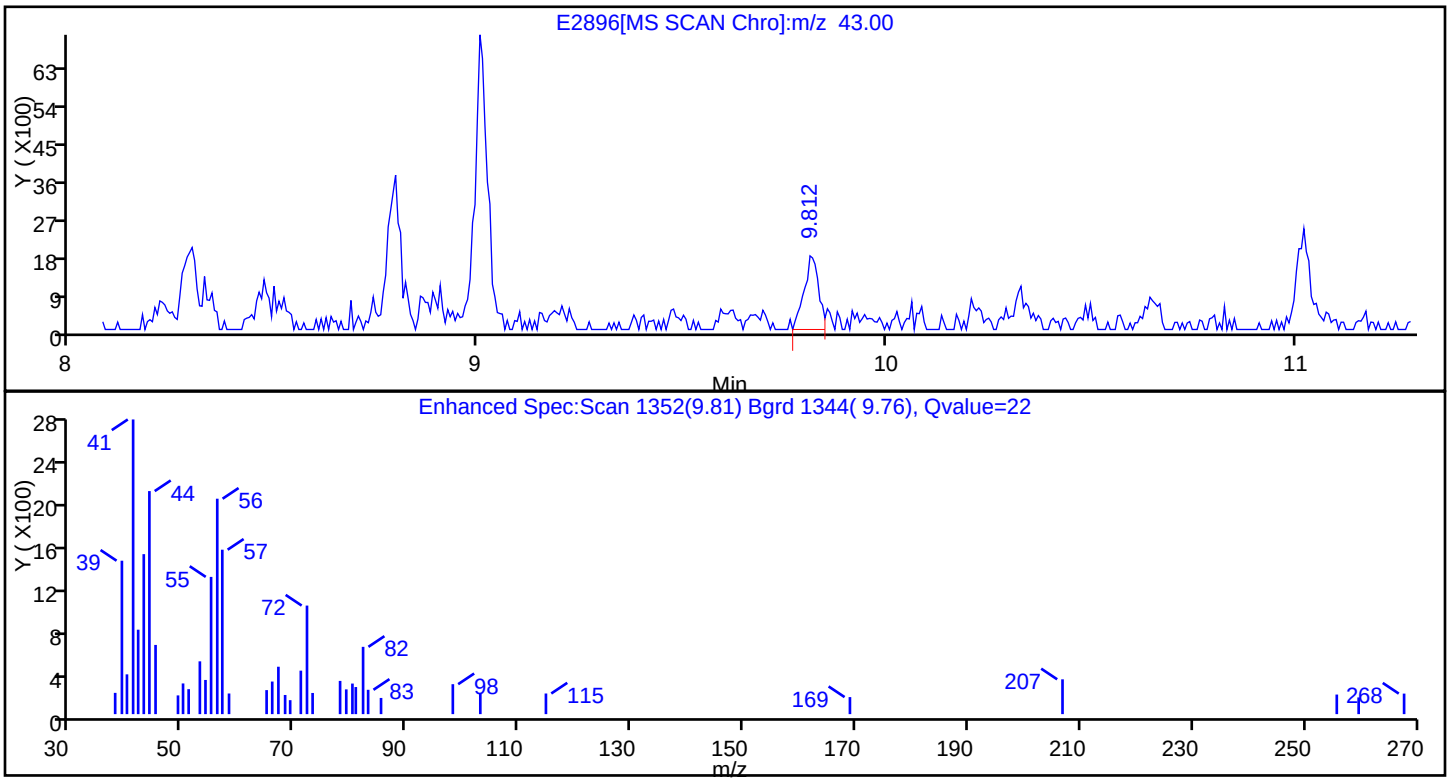
Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.81	43.00	4336	0.850052
9.81	58.00	492	

Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

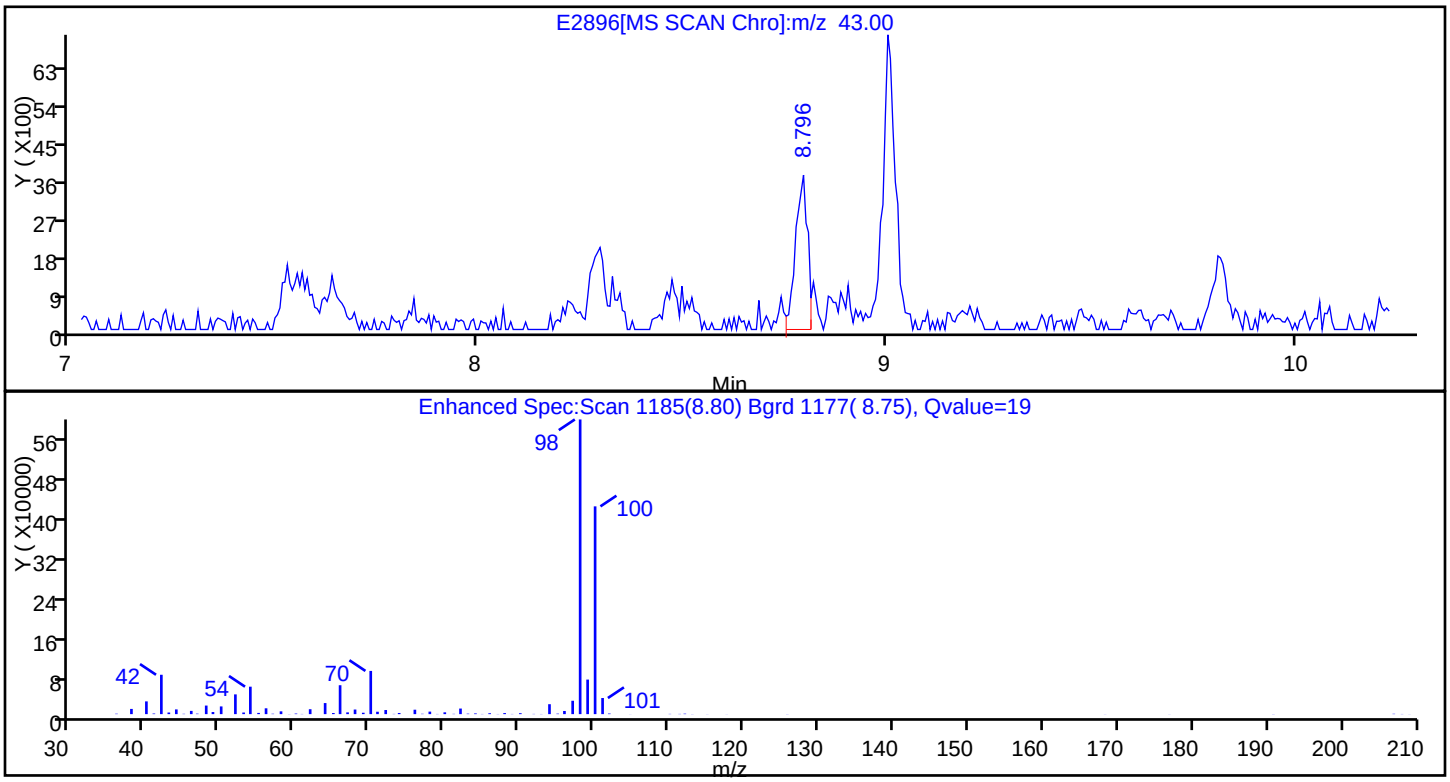
Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.80	43.00	7530	1.179192
8.79	58.00	13343	
8.80	85.00	368	

Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

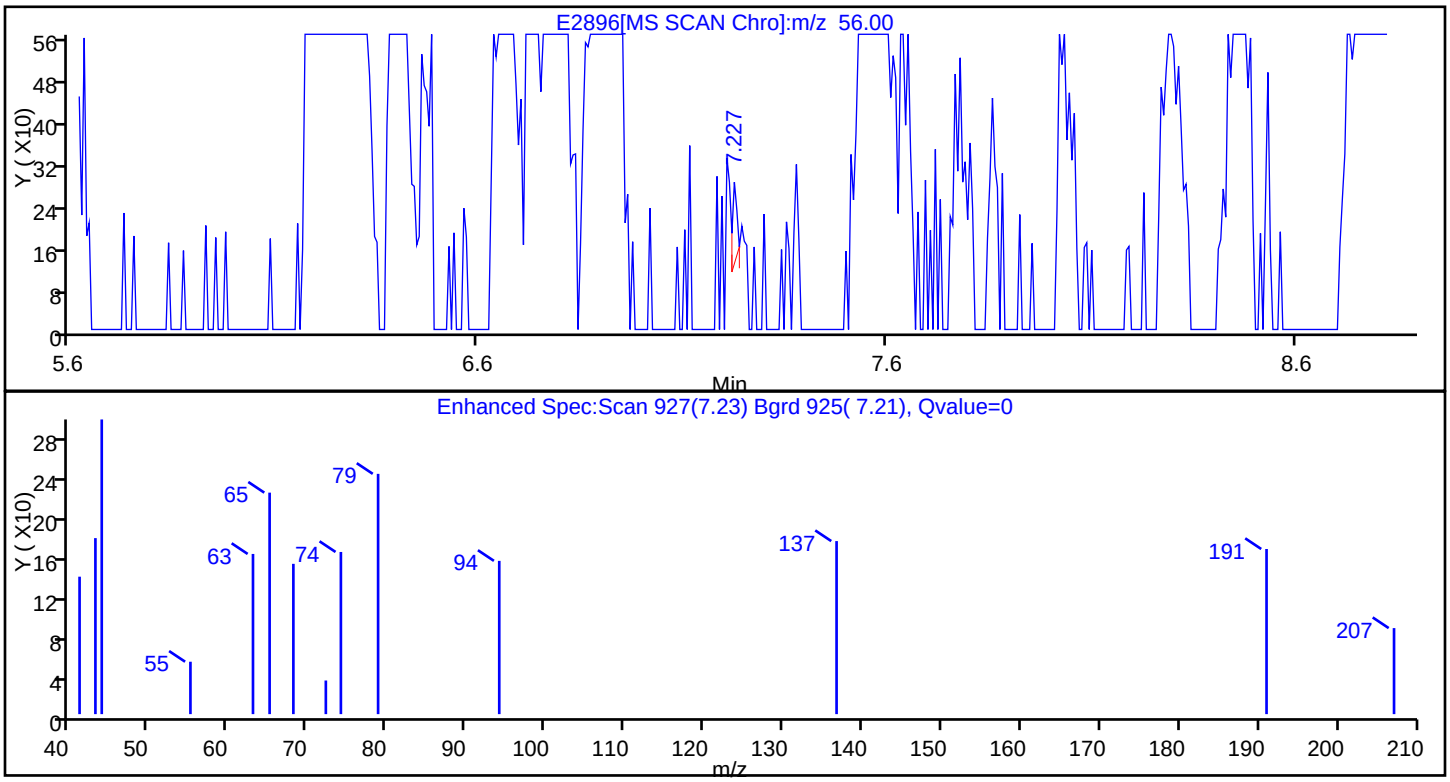
Report Date: 23-Aug-2011 14:29:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.23	56.00	115	0.568906
7.23	41.00	491	
7.23	43.00	362	

Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

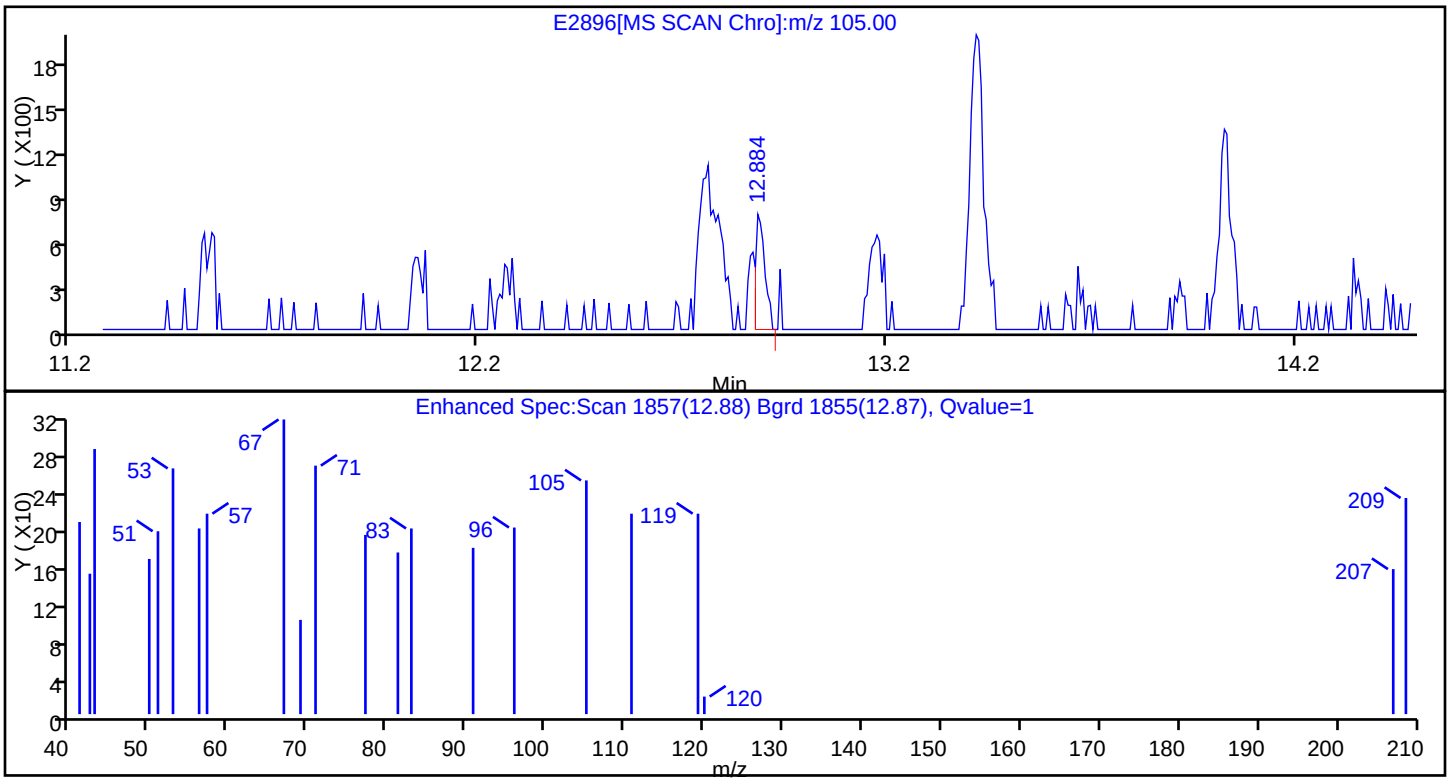
Report Date: 23-Aug-2011 14:29:50 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2896.D		
Injection Date:	23-Aug-2011 13:05:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	17
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.88	105.00	1189	0.364301
12.88	120.00	485	
12.89	91.00	522	

Reviewer: hobartw, 23-Aug-2011 14:29:49
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 510-69047-8

Matrix: Water | Lab File ID: A2106.D

Analysis Method: 8260B | Date Collected: 08/18/2011 00:00

Sample wt/vol: 40(mL) | Date Analyzed: 08/23/2011 11:29

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.: 85489 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-87-3	Chloromethane	<0.010		0.010	0.00050
75-01-4	Vinyl chloride	<0.0020		0.0020	0.00050
74-83-9	Bromomethane	<0.010		0.010	0.0010
75-00-3	Chloroethane	<0.010		0.010	0.00065
75-69-4	Trichlorofluoromethane	<0.0050		0.0050	0.00050
79-20-9	Methyl acetate	<0.0050		0.0050	0.00060
107-02-8	Acrolein	<0.16		0.16	0.0015
75-35-4	1,1-Dichlorethylene	<0.0050		0.0050	0.00078
67-64-1	Acetone	<0.010		0.010	0.0030
74-88-4	Iodomethane	<0.0050		0.0050	0.00067
75-15-0	Carbon disulfide	<0.0050		0.0050	0.00090
75-09-2	Methylene Chloride	<0.0050		0.0050	0.00050
1634-04-4	Methyl tert-butyl ether	<0.0050		0.0050	0.00050
156-60-5	trans-1,2-Dichloroethylene	<0.0050		0.0050	0.00067
110-54-3	n-Hexane	<0.0050	*	0.0050	0.0011
108-05-4	Vinyl acetate	<0.0050		0.0050	0.0011
75-34-3	1,1-Dichloroethane	<0.0050		0.0050	0.00050
78-93-3	Methyl ethyl ketone (MEK)	<0.010		0.010	0.0023
156-59-2	cis-1,2-Dichloroethylene	<0.0050		0.0050	0.00050
67-66-3	Chloroform	<0.0050		0.0050	0.00054
71-55-6	1,1,1-Trichloroethane	<0.0050		0.0050	0.00065
110-82-7	Cyclohexane	<0.0050	*	0.0050	0.00082
107-06-2	1,2-Dichloroethane	<0.0050		0.0050	0.00050
56-23-5	Carbon tetrachloride	<0.0050		0.0050	0.00050
71-43-2	Benzene	<0.0050		0.0050	0.00023
79-01-6	Trichloroethene	<0.0050		0.0050	0.00050
108-87-2	Methylcyclohexane	<0.0050		0.0050	0.00059
78-87-5	1,2-Dichloropropane	<0.0050		0.0050	0.00050
75-27-4	Bromodichloromethane	<0.0050		0.0050	0.00061
10061-01-5	cis-1,3-Dichloropropene	<0.0050		0.0050	0.00050
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.010		0.010	0.00054
108-88-3	Toluene	<0.0050		0.0050	0.00050
10061-02-6	trans-1,3-Dichloropropene	<0.0050		0.0050	0.00050
79-00-5	1,1,2-Trichloroethane	<0.0050		0.0050	0.00052
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010	0.00065
127-18-4	Tetrachloroethylene	<0.0050		0.0050	0.00024

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: TRIP BLANK | Lab Sample ID: 510-69047-8

Matrix: Water | Lab File ID: A2106.D

Analysis Method: 8260B | Date Collected: 08/18/2011 00:00

Sample wt/vol: 40(mL) | Date Analyzed: 08/23/2011 11:29

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.: 85489 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Chlorodibromomethane	<0.0050		0.0050	0.00050
106-93-4	1,2-Dibromoethane	<0.0050		0.0050	0.00053
108-90-7	Chlorobenzene	<0.0050		0.0050	0.00050
630-20-6	1,1,1,2-Tetrachloroethane	<0.0050		0.0050	0.00072
100-41-4	Ethylbenzene	<0.0050		0.0050	0.00069
100-42-5	Styrene	<0.0050		0.0050	0.00050
75-25-2	Bromoform	<0.0050		0.0050	0.00086
98-82-8	Isopropylbenzene	<0.0050		0.0050	0.00050
79-34-5	1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010
103-65-1	n-Propylbenzene	<0.0050		0.0050	0.00072
108-67-8	1,3,5-Trimethylbenzene	<0.0050		0.0050	0.00050
95-63-6	1,2,4-Trimethylbenzene	<0.0050		0.0050	0.00050
1330-20-7	Xylenes, Total	<0.010		0.010	0.0020
542-75-6	1,3-Dichloropropene, Total	<0.010		0.010	0.00064
141-78-6	Ethyl acetate	<0.0050		0.0050	0.00051

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		81-126
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	96		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110823-5426.b\A2106.D		
Lims ID:	510-69047-A-8	Client ID:	TRIP BLANK
Inject. Date:	23-Aug-2011 11:29:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-A-8		
Misc. Info.:	510-0005426-007 =510-0005426-007		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	85489	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110823-5426.b\VMSB-8260.m		
Last Update:	23-Aug-2011 09:37:02	Calib Date:	17-Aug-2011 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	23-Aug-2011 11:54:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.613	0.001	99	795357	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.807	0.001	82	321259	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.545	0.0	94	249123	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.273	0.0	0	198967	51.2	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	91	755861	49.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.164	0.0	90	272547	47.8	

Report Date: 23-Aug-2011 11:54:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2106.D

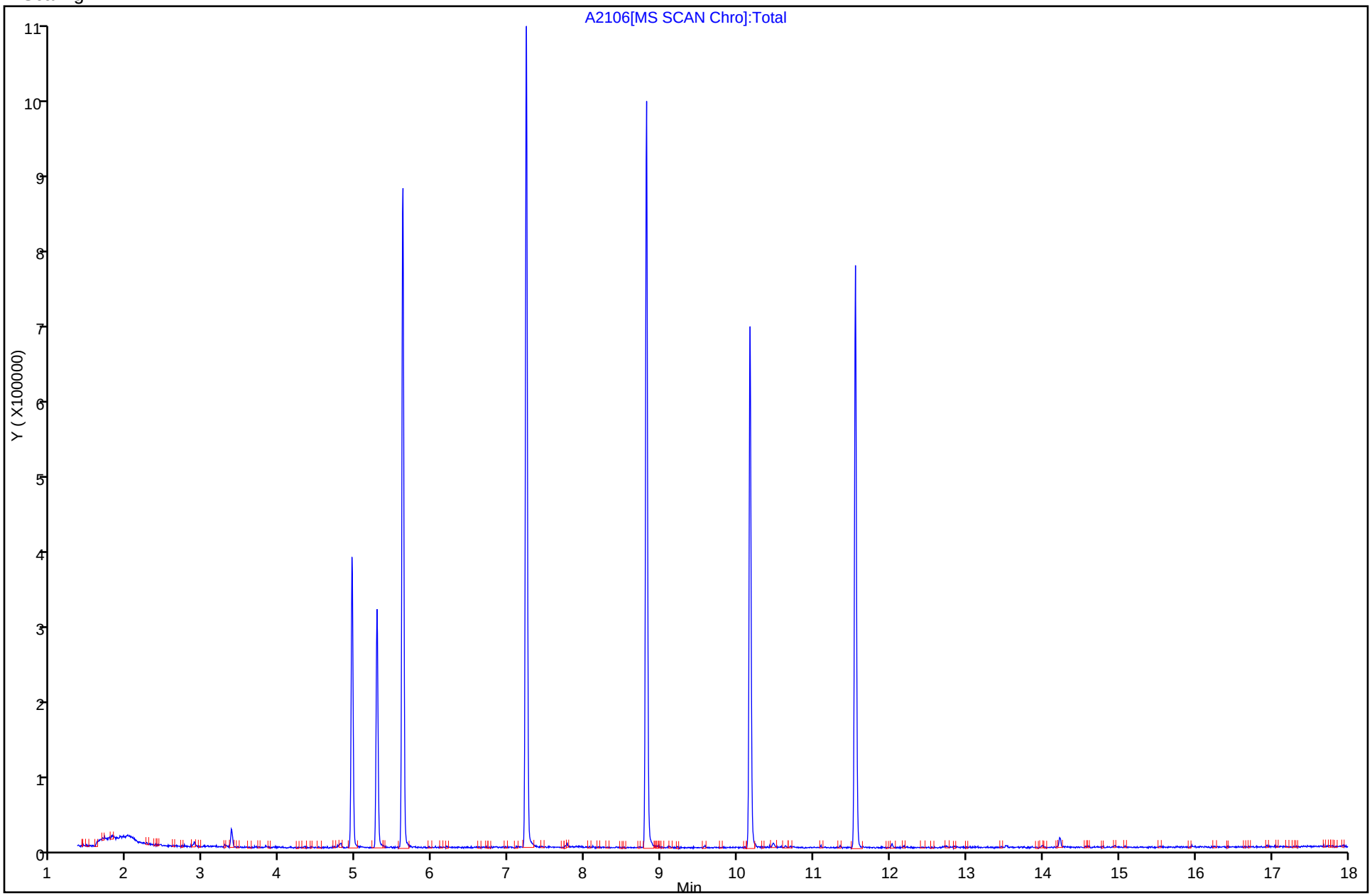
Injection Date: 23-Aug-2011 11:29:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: TRIP BLANK Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 7

Operator ID: JLH

Y Scaling:



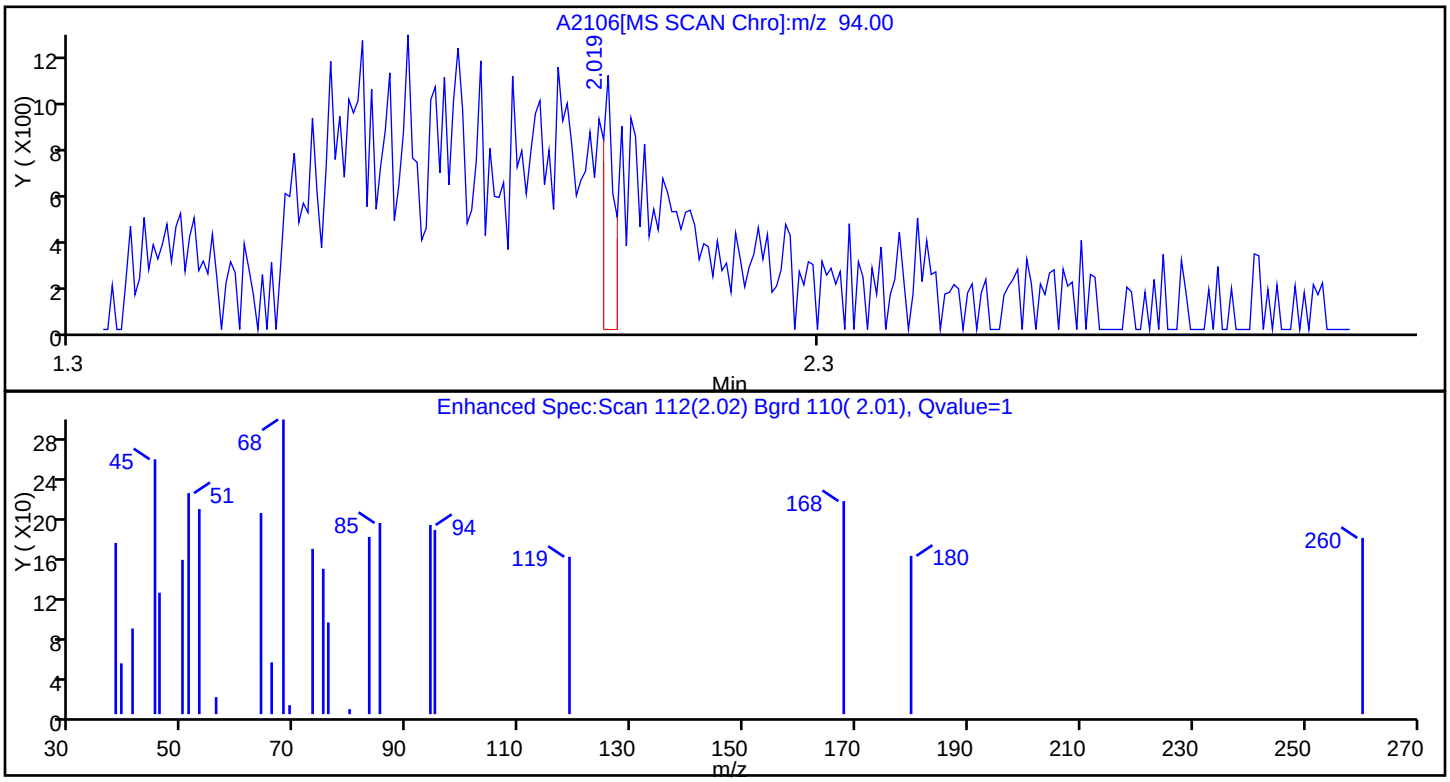
Report Date: 23-Aug-2011 11:54:12 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110823-5426.b\A2106.D		
Injection Date:	23-Aug-2011 11:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	TRIP BLANK	Instrument ID:	VMSB
Lims Batch ID:	85489	Lims Sample ID:	7
Operator ID:	JLH		

15 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.02	94.00	1097	5.651381
2.03	96.00	178	

Reviewer: hallj, 23-Aug-2011 11:54:12
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: TRIP BLANK RA Lab Sample ID: 510-69047-8 RA

Matrix: Water Lab File ID: A2155.D

Analysis Method: 8260B Date Collected: 08/18/2011 00:00

Sample wt/vol: 40(mL) Date Analyzed: 08/24/2011 19:39

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.: 85568 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-36-3	n-Butanol	<0.10		0.10	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	103		81-126
2037-26-5	Toluene-d8 (Surr)	98		89-108
460-00-4	4-Bromofluorobenzene (Surr)	96		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2155.D		
Lims ID:	510-69047-B-8	Client ID:	TRIP BLANK
Inject. Date:	24-Aug-2011 19:39:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-B-8		
Misc. Info.:	510-0005435-016 =510-0005435-016		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	39
Lims Batch ID:	85568	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m		
Last Update:	24-Aug-2011 16:56:31	Calib Date:	24-Aug-2011 16:20:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	24-Aug-2011 20:14:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.609	5.614	-0.005	99	930619	50.0	
* 2 Chlorobenzene-d5	82	8.803	8.807	-0.004	82	349810	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.545	0.002	93	286569	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.273	0.002	0	228867	51.7	
$ 7 Toluene-d8 (Surr)	98	7.228	7.232	-0.004	91	851639	49.2	
$ 8 4-Bromofluorobenzene (Surr)	95	10.166	10.164	0.002	93	304703	48.1	
26 Methylene Chloride	84	3.280	3.284	-0.004	51	1416	0.2986	
47 Benzene	78	5.342	5.340	0.002	1	1193	0.2630	
52 Methylcyclohexane	83	6.169	6.185	-0.016	1	1311	0.3489	
70 Ethylbenzene	91	8.974	8.972	0.002	1	986	0.4244	
85 1,2,4-Trimethylbenzene	105	11.145	11.137	0.008	1	2309	0.2026	

Report Date: 24-Aug-2011 20:14:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2155.D

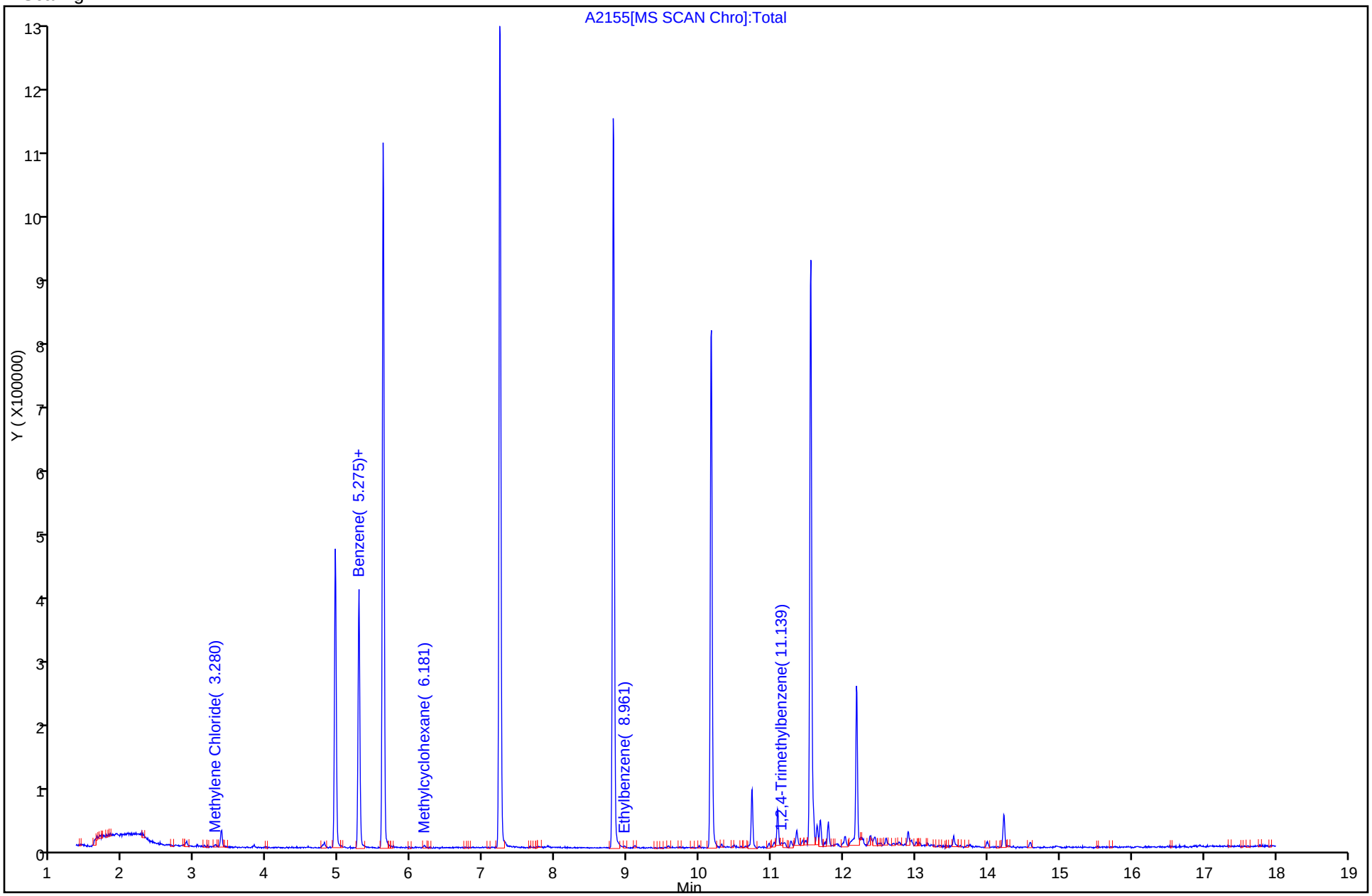
Injection Date: 24-Aug-2011 19:39:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: TRIP BLANK Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 16

Operator ID: JLH

Y Scaling:



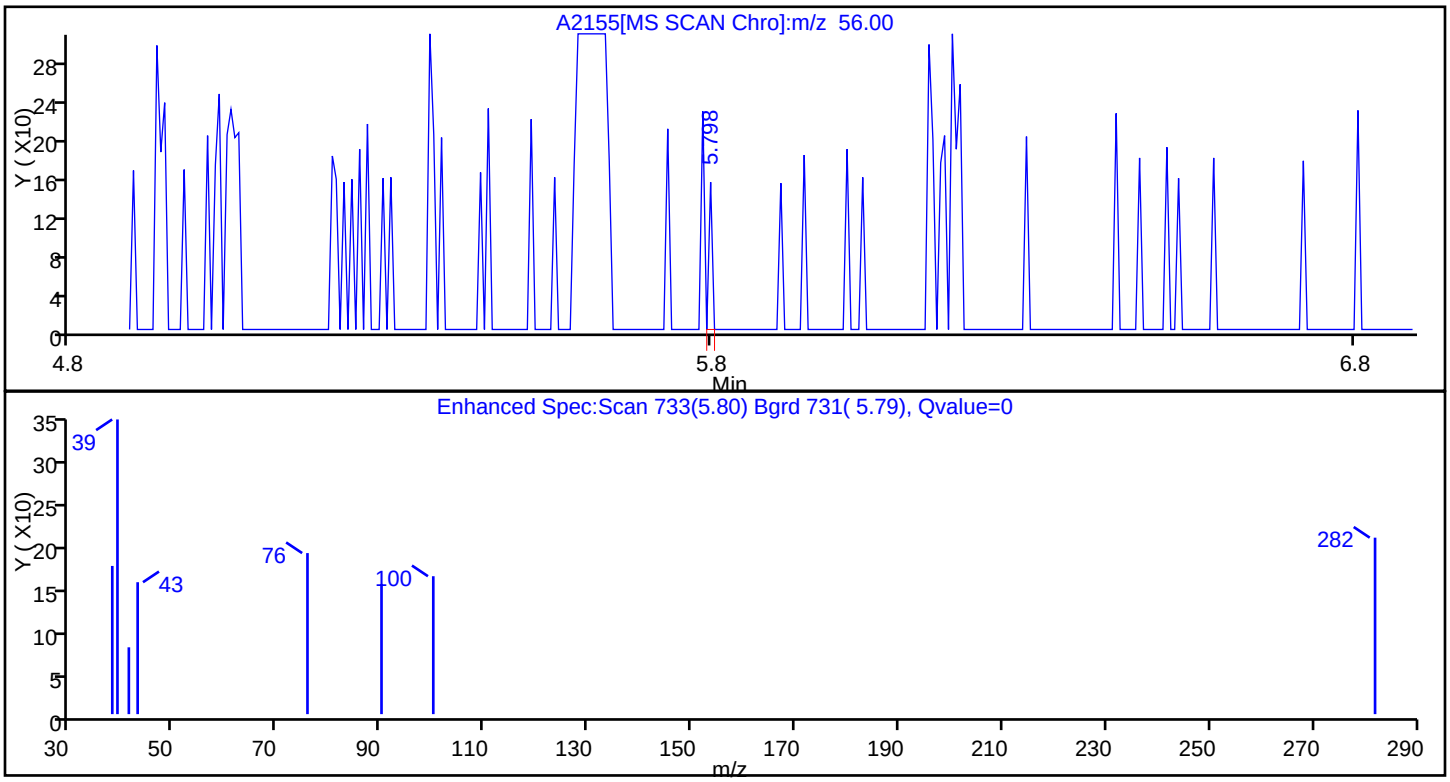
Report Date: 24-Aug-2011 20:14:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2155.D		
Injection Date:	24-Aug-2011 19:39:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	TRIP BLANK	Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	16
Operator ID:	JLH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
5.80	56.00	55	122.0091
5.80	41.00	197	
5.80	43.00	56	

Reviewer: hallj, 24-Aug-2011 20:14:06
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Sodium Bisulfate/Methanol Lab Sample ID: 510-69047-9

Matrix: Solid Lab File ID: E2899.D

Analysis Method: 8260B Date Collected: 08/18/2011 00:00

Sample wt/vol: 31.676(g) Date Analyzed: 08/23/2011 14:50

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.: 85487 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	<0.010		0.010	0.0020
107-02-8	Acrolein	<0.20		0.20	0.0024
71-43-2	Benzene	<0.0050		0.0050	0.0011
75-27-4	Bromodichloromethane	<0.0050		0.0050	0.00050
75-25-2	Bromoform	<0.0050		0.0050	0.0014
74-83-9	Bromomethane	<0.0050		0.0050	0.0018
75-15-0	Carbon disulfide	<0.0050		0.0050	0.0013
56-23-5	Carbon tetrachloride	<0.0050		0.0050	0.0011
108-90-7	Chlorobenzene	<0.0050		0.0050	0.00067
124-48-1	Chlorodibromomethane	<0.0050		0.0050	0.00050
75-00-3	Chloroethane	<0.0050		0.0050	0.0017
67-66-3	Chloroform	<0.0050		0.0050	0.0010
74-87-3	Chloromethane	<0.0050		0.0050	0.0014
156-59-2	cis-1,2-Dichloroethylene	<0.0050		0.0050	0.0012
10061-01-5	cis-1,3-Dichloropropene	<0.0050		0.0050	0.00050
110-82-7	Cyclohexane	<0.0050		0.0050	0.0016
106-93-4	1,2-Dibromoethane	<0.0050		0.0050	0.00050
75-35-4	1,1-Dichlorethylene	<0.0050		0.0050	0.0017
75-34-3	1,1-Dichloroethane	<0.0050		0.0050	0.0016
107-06-2	1,2-Dichloroethane	<0.0050		0.0050	0.00097
78-87-5	1,2-Dichloropropane	<0.0050		0.0050	0.00086
542-75-6	1,3-Dichloropropene, Total	<0.010		0.010	
141-78-6	Ethyl acetate	<0.0050		0.0050	0.0011
100-41-4	Ethylbenzene	<0.0050		0.0050	0.00077
74-88-4	Iodomethane	<0.010		0.010	0.0037
98-82-8	Isopropylbenzene	<0.0050	*	0.0050	0.00074
79-20-9	Methyl acetate	<0.0050		0.0050	0.00074
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010	0.00079
108-87-2	Methylcyclohexane	<0.0050		0.0050	0.0012
75-09-2	Methylene Chloride	<0.0050		0.0050	0.0013
78-93-3	Methyl ethyl ketone (MEK)	<0.010		0.010	0.00083
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.010		0.010	0.00050
1634-04-4	Methyl tert-butyl ether	<0.0050		0.0050	0.00085
71-36-3	n-Butanol	<0.10		0.10	0.015
110-54-3	n-Hexane	<0.0050		0.0050	0.0020
103-65-1	n-Propylbenzene	<0.0050	*	0.0050	0.0020

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Sodium Bisulfate/Methanol Lab Sample ID: 510-69047-9

Matrix: Solid Lab File ID: E2899.D

Analysis Method: 8260B Date Collected: 08/18/2011 00:00

Sample wt/vol: 31.676(g) Date Analyzed: 08/23/2011 14:50

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.: 85487 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0050	*	0.0050	0.00067
630-20-6	1,1,1,2-Tetrachloroethane	<0.0050	*	0.0050	0.00069
79-34-5	1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0011
127-18-4	Tetrachloroethylene	<0.0050		0.0050	0.0011
108-88-3	Toluene	<0.0050		0.0050	0.0011
156-60-5	trans-1,2-Dichloroethylene	<0.0050		0.0050	0.0017
10061-02-6	trans-1,3-Dichloropropene	<0.0050		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	<0.0050		0.0050	0.0011
79-00-5	1,1,2-Trichloroethane	<0.0050		0.0050	0.00069
79-01-6	Trichloroethene	<0.0050		0.0050	0.0012
75-69-4	Trichlorofluoromethane	<0.0050		0.0050	0.0017
95-63-6	1,2,4-Trimethylbenzene	<0.0050	*	0.0050	0.0020
108-67-8	1,3,5-Trimethylbenzene	<0.0050	*	0.0050	0.00074
108-05-4	Vinyl acetate	<0.0050		0.0050	0.0013
75-01-4	Vinyl chloride	<0.0050		0.0050	0.0022
1330-20-7	Xylenes, Total	<0.010	*	0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	137		76-137
2037-26-5	Toluene-d8 (Surr)	90		70-130

Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D		
Lims ID:	510-69047-A-9-A	Client ID:	Sodium Bisulfate/Methanol Blank
Inject. Date:	23-Aug-2011 14:50:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-A-9-A		
Misc. Info.:	510-0005425-020 =510-0005425-020		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	85487	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	24-Aug-2011 08:48:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.917	6.919	-0.002	0	1253986	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.655	-0.003	89	867537	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.921	-0.002	96	431250	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.540	6.536	0.004	0	429882	68.3	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	94	1144772	45.0	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	83	435214	50.7	
22 Methylene Chloride	84	4.276	4.279	-0.003	58	2572	0.3242	
45 Trichloroethene	132	7.343	7.339	0.004	34	1947	0.2044	
64 Ethylbenzene	91	10.841	10.837	0.004	51	3132	0.3403	M
66 o-Xylene	91	11.546	11.537	0.009	1	812	0.3461	
S 91 Xylenes, Total	100				0		0.3461	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D

Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration

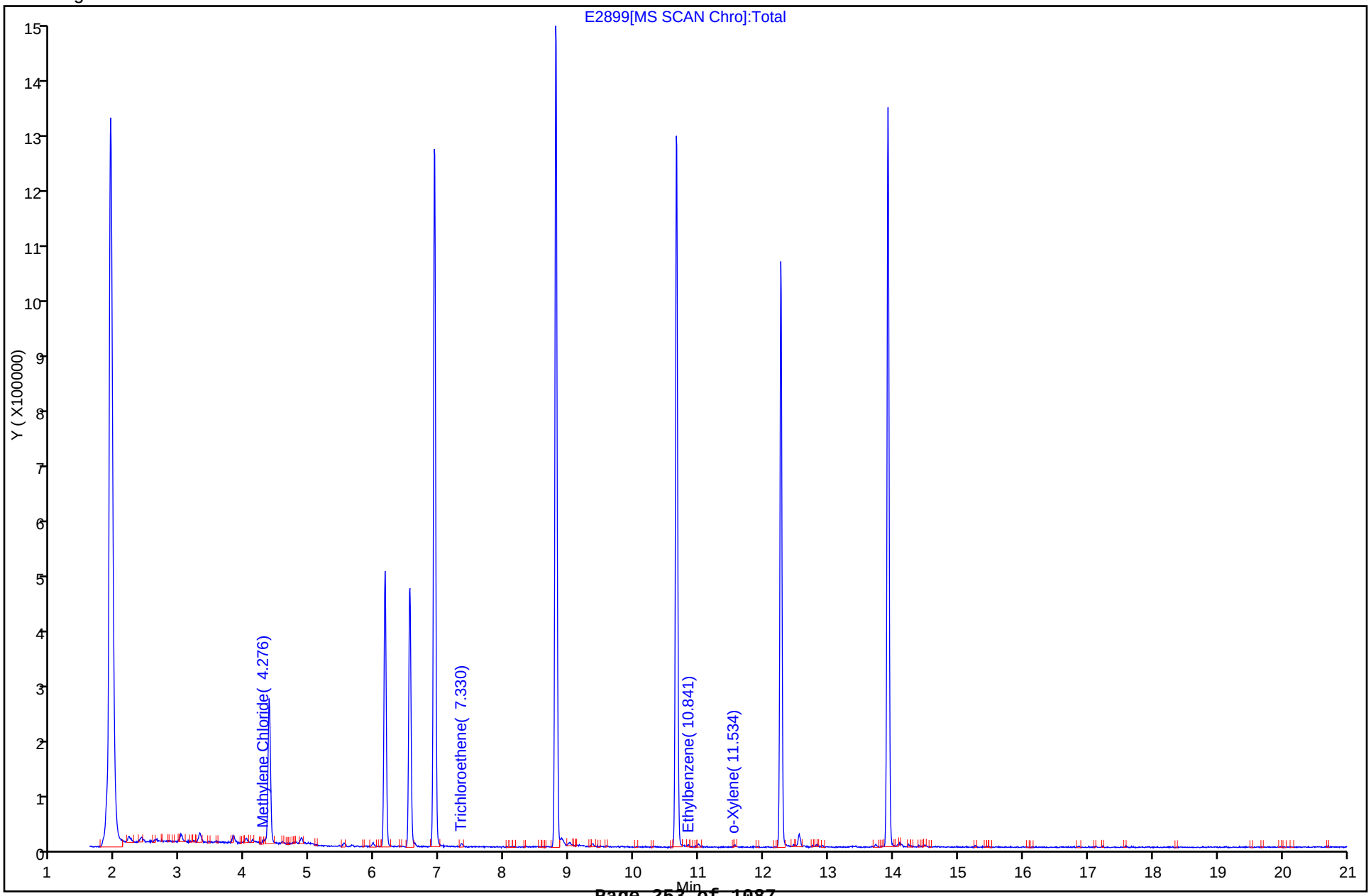
Client ID: Sodium Bisulfate/Methanol Blank

Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 20

Operator ID: WH

Y Scaling:



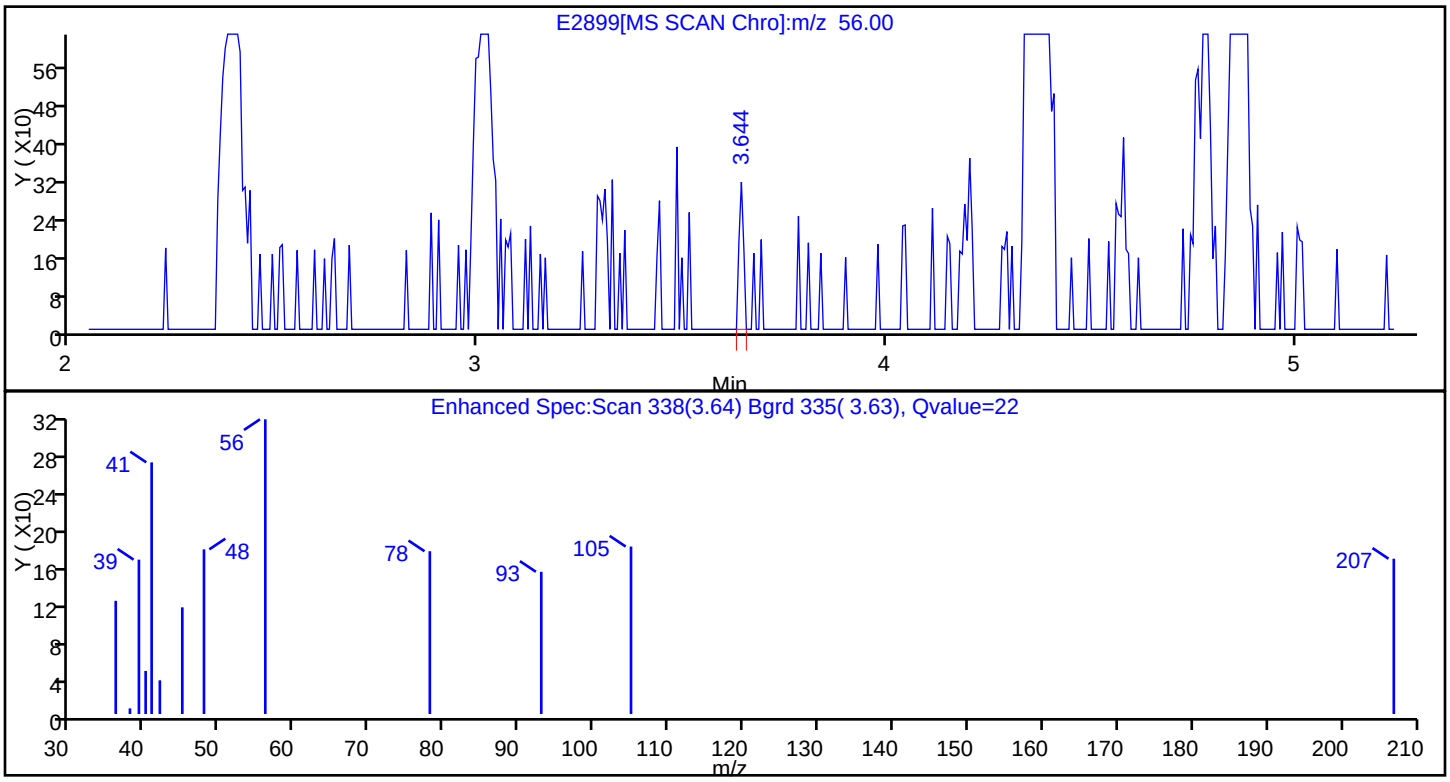
Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D		
Injection Date:	23-Aug-2011 14:50:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Bisulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	85487	Lims Sample ID:	20
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	246	0.476893
3.65	55.00	171	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

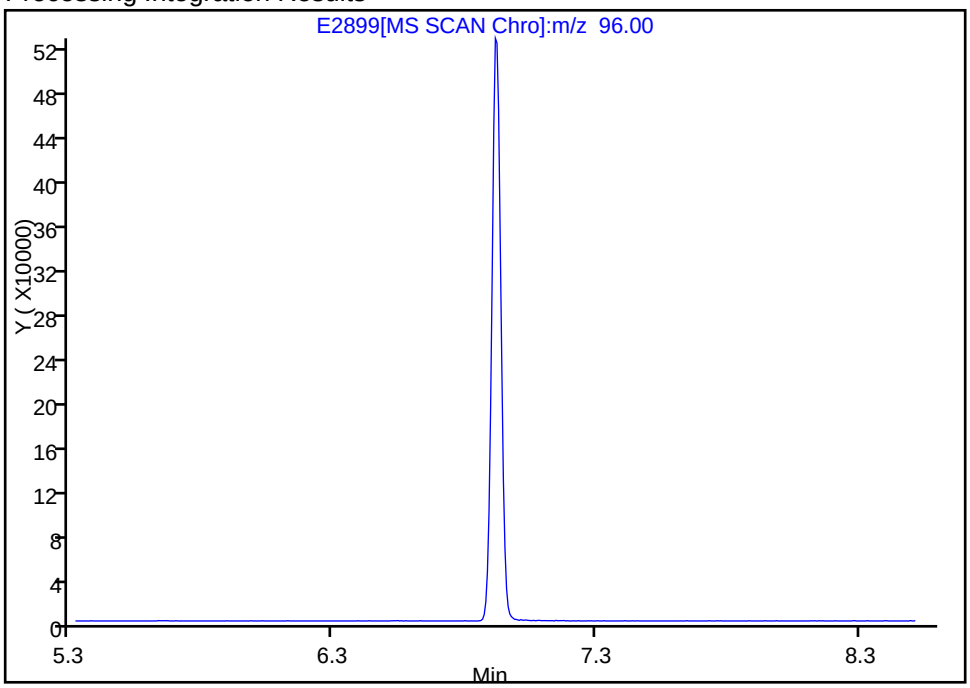
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D
Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Bisulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 20
Operator ID: WH

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

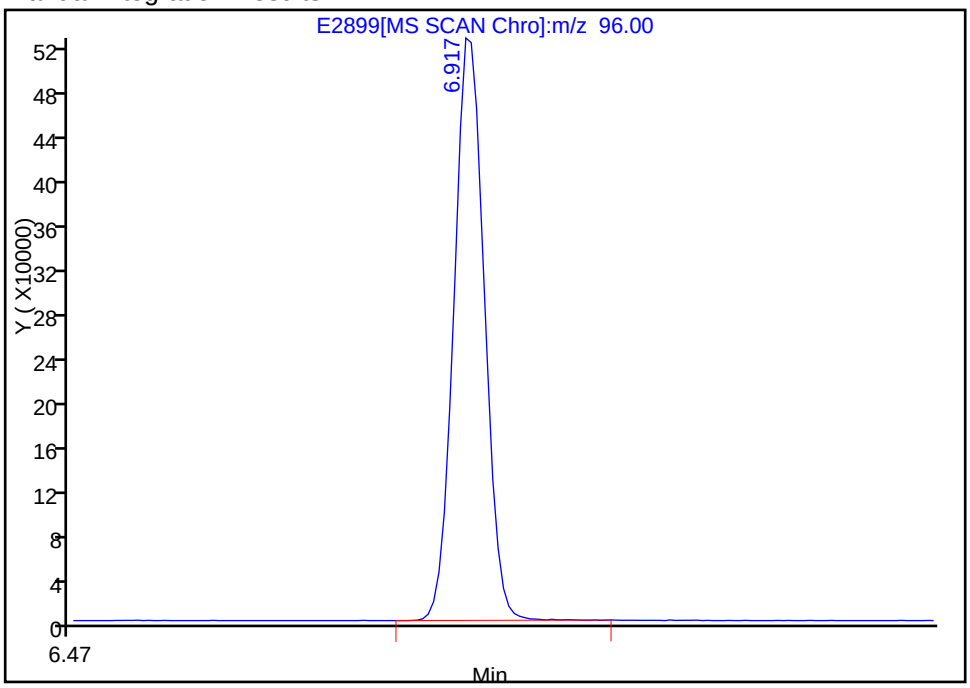
Processing Integration Results

Not Detected
Expected RT: 6.92



Manual Integration Results

RT: 6.92
Response: 1253986
Amount: 50.000000



Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

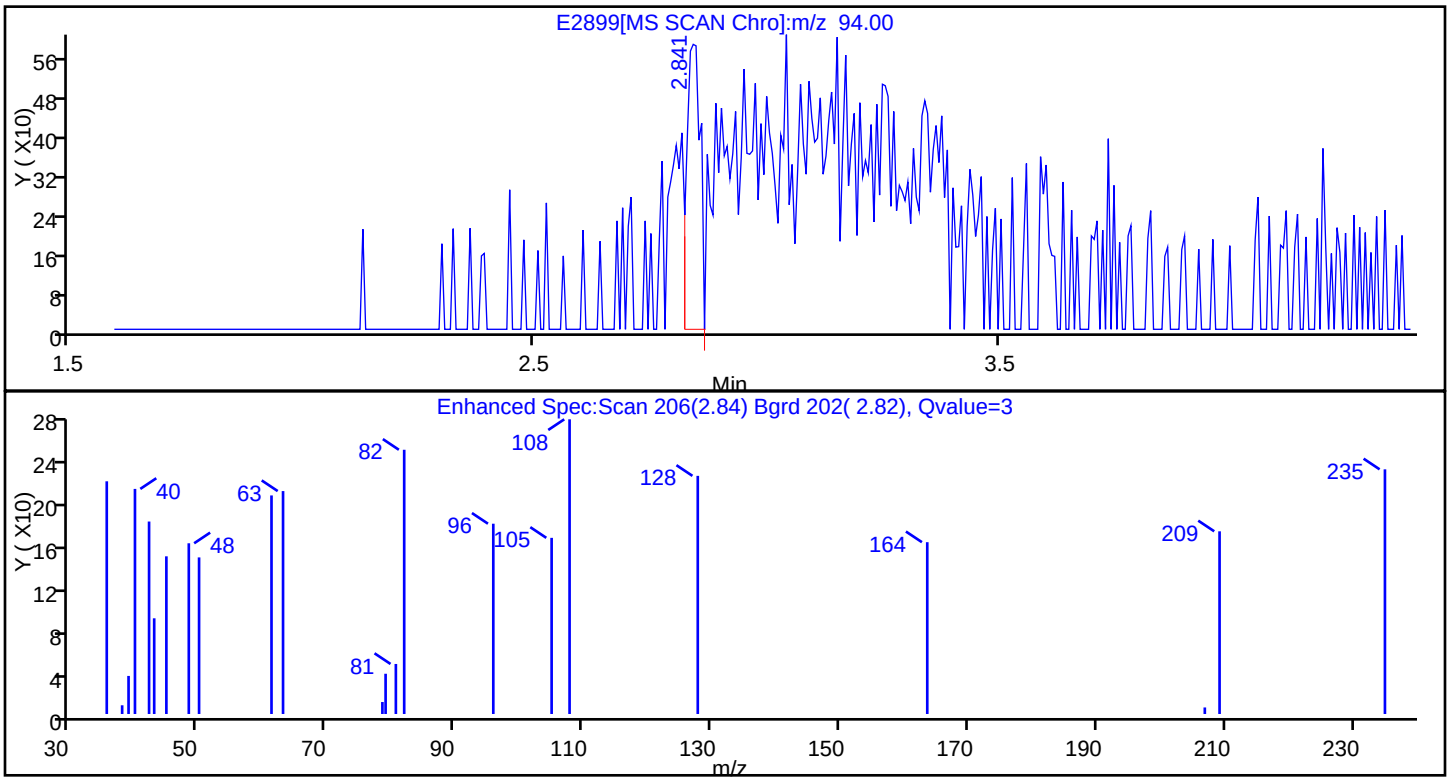
Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D
Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Bisulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 20
Operator ID: WH

11 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.84	94.00	1168	0.302802
2.84	96.00	587	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

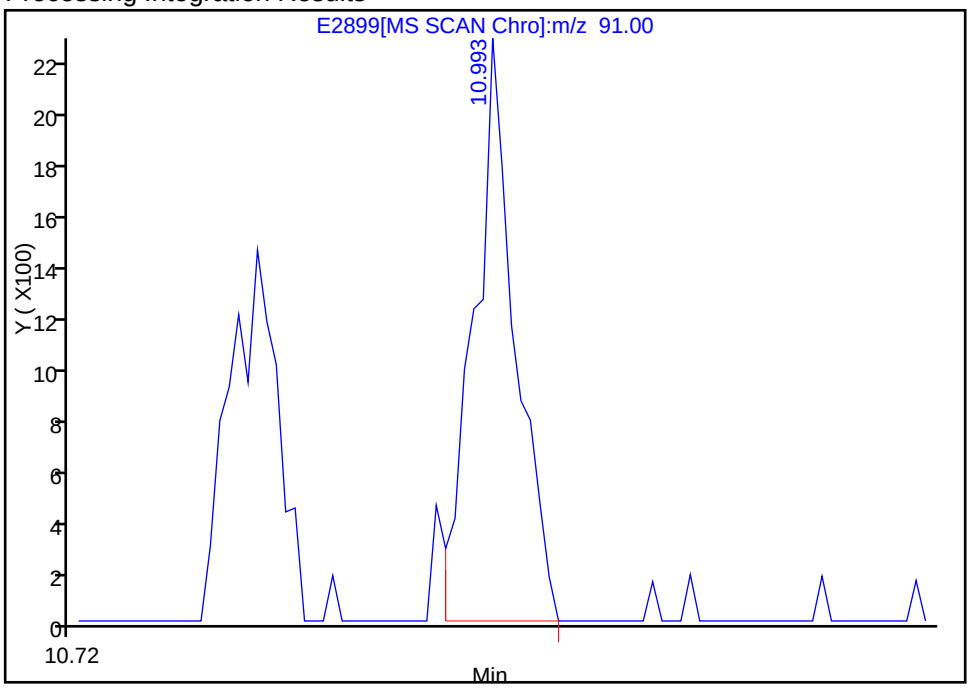
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D
Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Bisulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 20
Operator ID: WH

64 Ethylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 10.84

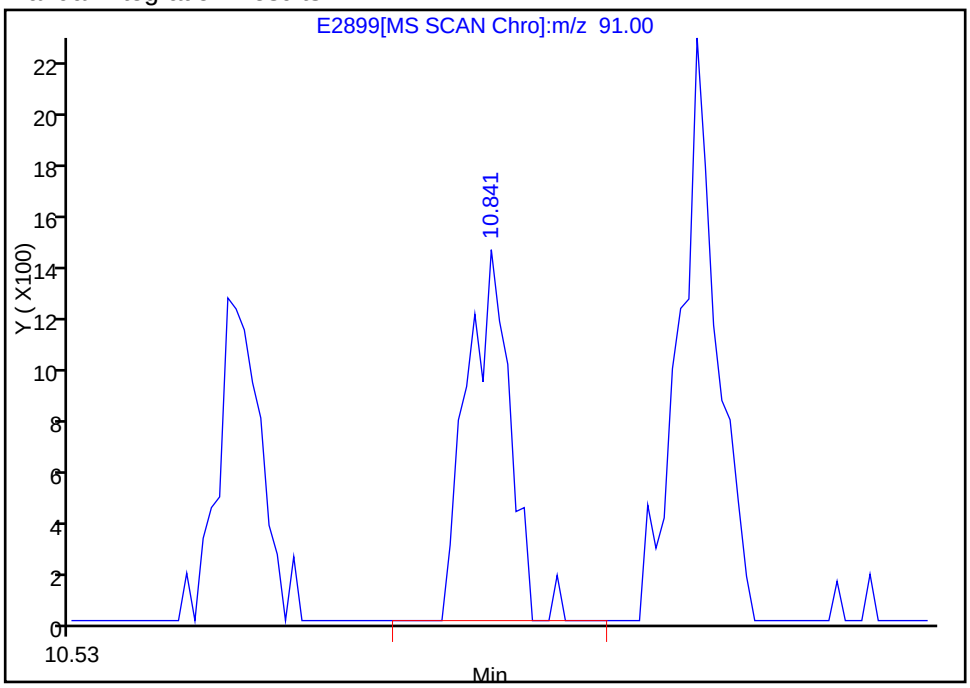
Processing Integration Results

RT: 10.99
Response: 4147
Amount: 0.365164



Manual Integration Results

RT: 10.84
Response: 3132
Amount: 0.340267



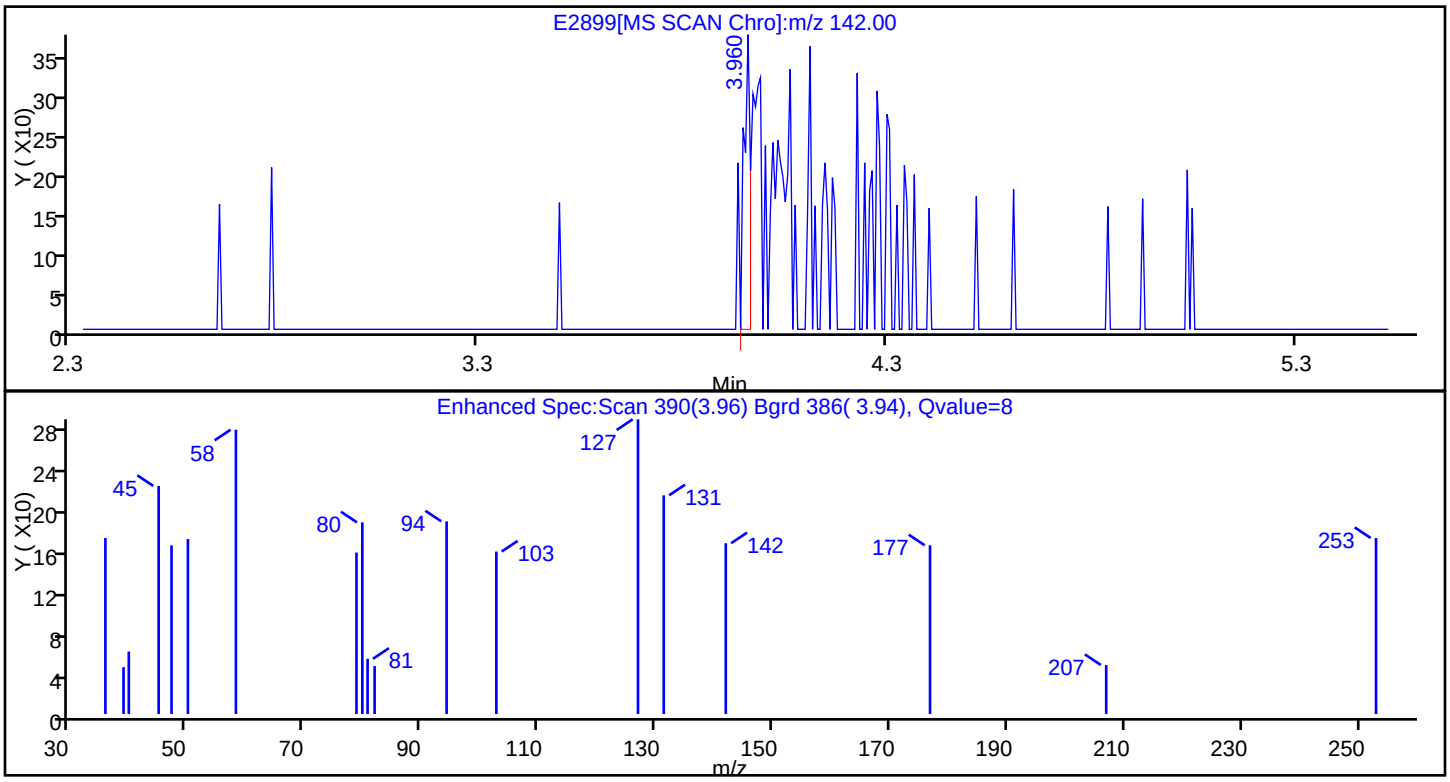
Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D		
Injection Date:	23-Aug-2011 14:50:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Bisulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	85487	Lims Sample ID:	20
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.96	142.00	388	2.950919
3.95	127.00	372	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

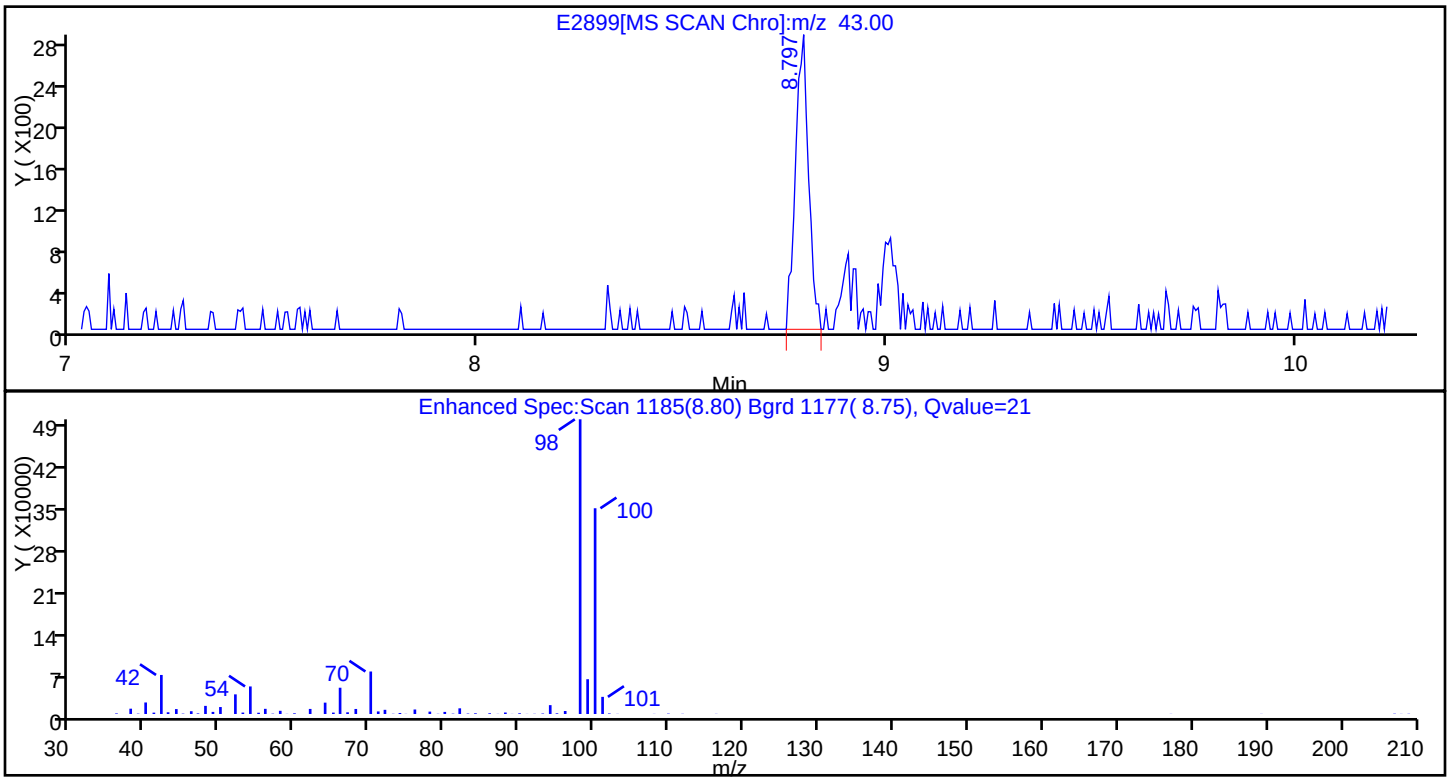
Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D
Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Bisulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 20
Operator ID: WH

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.80	43.00	6367	1.219068
8.80	58.00	11112	
8.79	85.00	223	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

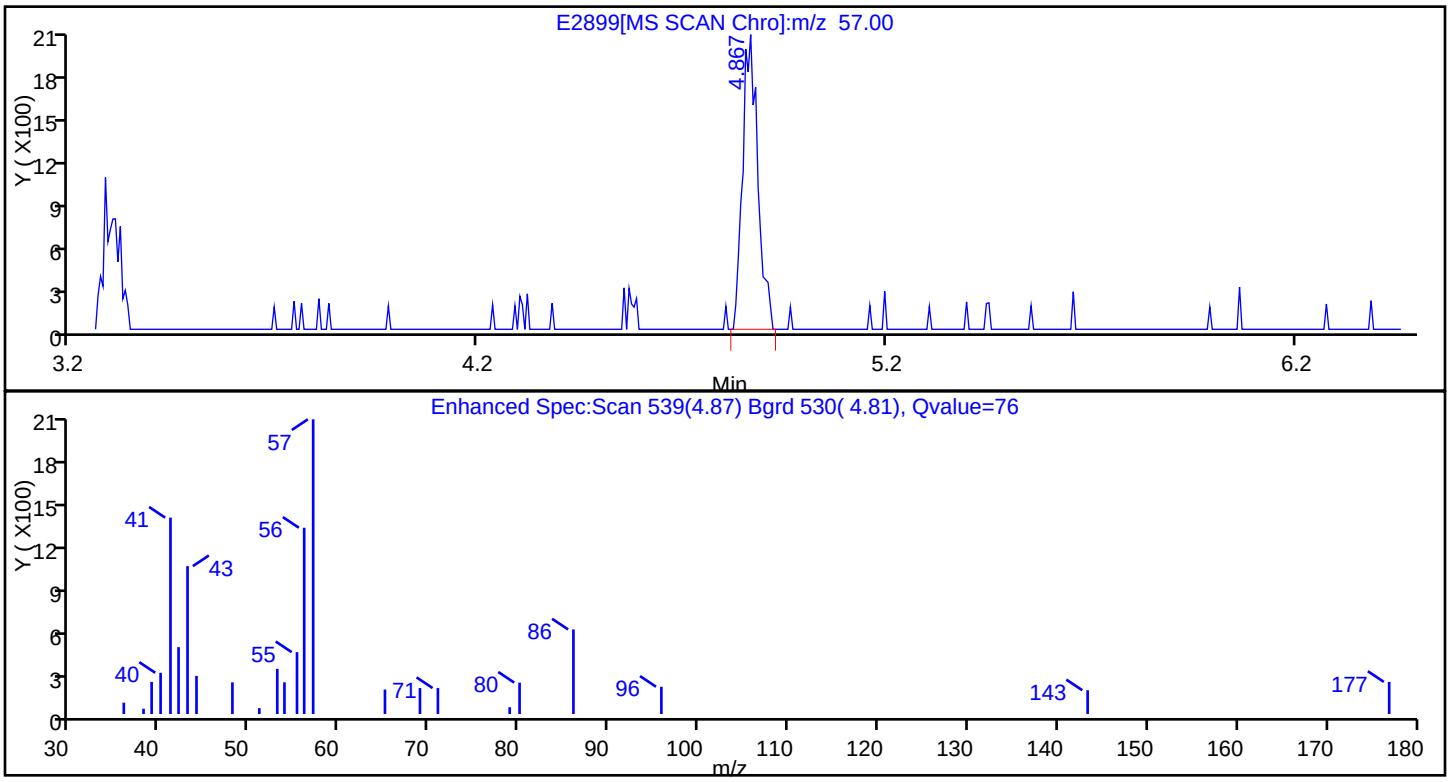
Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D		
Injection Date:	23-Aug-2011 14:50:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Bisulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	85487	Lims Sample ID:	20
Operator ID:	WH		

27 Hexane

Processing Results



RT	Mass	Response	Amount
4.87	57.00	5201	0.592864
4.87	43.00	5599	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

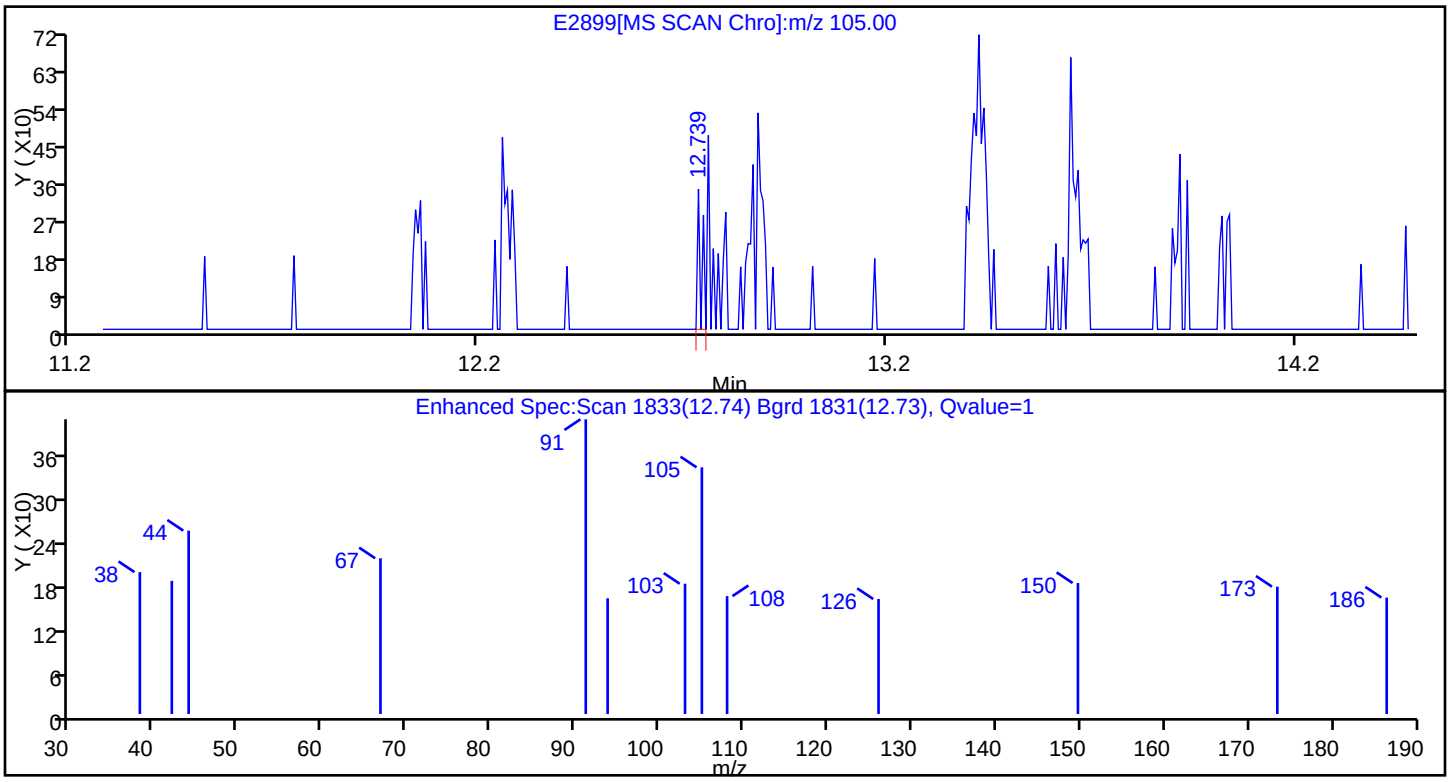
Report Date: 24-Aug-2011 08:48:13 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2899.D
Injection Date: 23-Aug-2011 14:50:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Bisulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 20
Operator ID: WH

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.74	105.00	224	0.336231
12.75	120.00	209	
12.75	91.00	1421	

Reviewer: hallj, 24-Aug-2011 08:48:13
Audit Action: Marked Compound Undetected
Audit Reason:

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-85337/2	E2751.D
Level 2	STD010 510-85337/3	E2752.D
Level 3	STD020 510-85337/4	E2753.D
Level 4	STD050 510-85337/5	E2754.D
Level 5	STD100 510-85337/6	E2755.D
Level 6	STD150 510-85337/7	E2756.D
Level 7	STD200 510-85337/8	E2757.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 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.5848 0.4914	0.6238 0.4496	0.5692	0.5331	0.4987	Ave		0.5358				11.0		15.0			
Chloromethane	0.3382 0.3084	0.4032 0.2948	0.3193	0.3221	0.3078	Ave		0.3277			0.1000	11.0		15.0			
Vinyl chloride	0.4006 0.3985	0.4562 0.3834	0.4102	0.4017	0.3837	Ave		0.4049				6.1		15.0			
Bromomethane	0.0681 0.0925	0.1013 0.0873	0.1492	0.1076	0.1068	Qua	0.0100	0.1208	0						0.9970		0.9950
Chloroethane	0.2637 +++++	0.3612 +++++	0.2611	0.3037	0.2564	Ave		0.2892				15.0		15.0			
Trichlorofluoromethane	0.6631 0.5456	0.7600 0.4893	0.6802	0.6451	0.5846	Ave		0.6240				15.0		15.0			
1,2-Dichlorotrifluoroethane	0.5325 0.4413	0.5965 0.4006	0.5284	0.5113	0.4650	Ave		0.4965				13.0		15.0			
Acrolein	0.0257 0.0181	0.0231 0.0170	0.0220	0.0197	0.0184	Ave		0.0206				15.0		15.0			
1,1-Dichlorethylene	0.3556 0.2806	0.3520 0.2628	0.3216	0.3079	0.3033	Ave		0.3120				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2627 0.2323	0.3096 0.2117	0.2723	0.2620	0.2443	Ave		0.2564				12.0		15.0			
Acetone	0.1009 0.0302	0.0577 0.0305	0.0477	0.0374	0.0331	Lin	0.3703	0.0285							0.9990		0.9900
Iodomethane	0.0819 0.1981	0.1785 0.2195	0.1768	0.2054	0.2108	Lin2	-0.623	0.2164							0.9950		0.9900
Carbon disulfide	1.1772 0.8415	1.2177 0.7817	1.0792	1.0167	0.9459	Lin	7.1286	0.7808							0.9910		0.9900
Methyl acetate	0.3337 0.2256	0.2782 0.2259	0.2663	0.2419	0.2357	Ave		0.2582				15.0		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

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 4	LVL 5		B	M1	M2								
Methylene Chloride	0.3950 0.2760	0.3650 0.2664	0.3154	0.2989	0.2975	Ave		0.3163				15.0		15.0			
t-Butyl alcohol	0.0454 0.0292	0.0337 0.0285	0.0315	0.0289	0.0304	Lin2	0.3214	0.0280							0.9970		0.9900
Acrylonitrile	0.1092 0.0649	0.0859 0.0632	0.0794	0.0709	0.0690	Lin2	0.2214	0.0651							0.9980		0.9900
trans-1,2-Dichloroethylene	0.4028 0.3060	0.4002 0.2857	0.3565	0.3452	0.3352	Ave		0.3474				13.0		15.0			
Methyl tert-butyl ether	0.8741 0.6697	0.9511 0.6134	0.8414	0.7796	0.7335	Ave		0.7804				15.0		15.0			
n-Hexane	0.3844 0.3190	0.3989 0.2902	0.3671	0.3467	0.3423	Ave		0.3498				11.0		15.0			
1,1-Dichloroethane	0.6883 0.4976	0.7057 0.4652	0.6188	0.5847	0.5641	Ave		0.5892			0.1000	15.0		15.0			
Vinyl acetate	0.6133 0.4095	0.6139 0.3420	0.5407	0.4822	0.4792	Qua	-0.773	0.5965	-0.001						0.9980		0.9950
Isopropyl ether	1.0056 0.7143	1.0232 0.6596	0.8899	0.8541	0.8511	Qua	-0.123	0.9730	-0.002						0.9980		0.9950
Tert-butyl ethyl ether	0.8459 0.6672	0.8874 0.6179	0.7978	0.7775	0.7484	Ave		0.7632				12.0		15.0			
cis-1,2-Dichloroethylene	0.4636 0.3482	0.4587 0.3244	0.4070	0.3958	0.3921	Ave		0.3986				13.0		15.0			
2,2-Dichloropropane	0.5237 0.4948	0.5715 0.4605	0.5276	0.5314	0.5373	Ave		0.5210				6.7		15.0			
Methyl ethyl ketone (MEK)	0.0659 0.0433	0.0544 0.0431	0.0502	0.0468	0.0458	Lin2	0.1115	0.0437							0.9990		0.9900
Ethyl acetate	0.3450 0.2368	0.2771 0.2240	0.2664	0.2529	0.2504	Ave		0.2647				15.0		15.0			
Propionitrile	0.0942 0.0643	0.0807 0.0612	0.0799	0.0691	0.0700	Ave		0.0742				15.0		15.0			
Chlorobromomethane	0.2395 0.1785	0.2227 0.1734	0.1964	0.1923	0.1956	Ave		0.1998				12.0		15.0			
Chloroform	0.7432 0.5258	0.7415 0.4926	0.6498	0.6164	0.5949	Lin	4.0154	0.4929							0.9920		0.9900
Tetrahydrofuran	0.2284 0.1467	0.2925 0.1407	0.1635	0.1523	0.1536	Lin	0.9087	0.1385							0.9980		0.9900
1,1,1-Trichloroethane	0.6031 0.5081	0.6394 0.4728	0.5807	0.5685	0.5607	Ave		0.5619				10.0		15.0			
Cyclohexane	0.4986 0.4846	0.5643 0.4396	0.5329	0.5304	0.5226	Ave		0.5104				7.9		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

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 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.5788 0.4863	0.5976 0.4426	0.5488	0.5475	0.5316	Ave		0.5333				10.0		15.0			
Carbon tetrachloride	0.4944 0.4591	0.5579 0.4240	0.5033	0.4995	0.4994	Ave		0.4911				8.4		15.0			
Benzene	1.9406 1.0740	1.8313 0.9383	1.5937	1.4359	1.2751	Qua	2.7269	1.5348	-0.003						1.0000		0.9950
1,2-Dichloroethane	0.4794 0.3667	0.4631 0.3509	0.4094	0.3952	0.3983	Ave		0.4090				12.0		15.0			
Isobutanol	0.1128 0.1007	0.1265 0.0972	0.1086	0.1047	0.1090	Ave		0.1085				8.8		15.0			
Tert-amyl methyl ether	0.8330 0.7015	0.8712 0.6518	0.7963	0.7994	0.7778	Ave		0.7758				9.7		15.0			
n-Butanol	0.0070 0.0070	0.0061 0.0069	0.0061	0.0061	0.0068	Ave		0.0066				6.7		15.0			
Trichloroethene	0.4242 0.3425	0.4306 0.3217	0.3833	0.3827	0.3738	Ave		0.3798				10.0		15.0			
Methylcyclohexane	0.6382 0.5940	0.7081 0.5266	0.6876	0.6867	0.6547	Ave		0.6423				9.9		15.0			
1,2-Dichloropropane	0.4051 0.3141	0.4030 0.2950	0.3585	0.3504	0.3482	Ave		0.3535				12.0		15.0			
Dibromomethane	0.2030 0.1574	0.1883 0.1533	0.1705	0.1658	0.1693	Ave		0.1725				10.0		15.0			
Bromodichloromethane	0.4725 0.3998	0.4965 0.3822	0.4315	0.4329	0.4417	Ave		0.4367				9.0		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0191	0.0198 0.0154	0.0198	0.0180	0.0150	Ave		0.0179				12.0		15.0			
cis-1,3-Dichloropropene	0.4534 0.4539	0.4814 0.4294	0.4531	0.4778	0.4952	Ave		0.4635				4.8		15.0			
4-Methyl-2-pentanone (MIBK)	0.2255 0.2057	0.2091 0.1989	0.1989	0.2078	0.2119	Ave		0.2082				4.3		15.0			
Toluene	1.8736 1.1009	1.8671 0.9597	1.6219	1.4887	1.3017	Qua	2.5114	1.5818	-0.003						1.0000		0.9950
trans-1,3-Dichloropropene	0.3847 0.3954	0.4012 0.3778	0.3846	0.4051	0.4243	Ave		0.3961				4.0		15.0			
Ethyl methacrylate	0.3717 0.3888	0.3773 0.3692	0.3751	0.4012	0.4127	Ave		0.3851				4.3		15.0			
1,1,2-Trichloroethane	0.2672 0.2035	0.2528 0.1947	0.2221	0.2161	0.2184	Ave		0.2250				12.0		15.0			
Tetrachloroethylene	0.3361 0.2762	0.3454 0.2499	0.3187	0.3069	0.2976	Ave		0.3044				11.0		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

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 4	LVL 5		B	M1	M2								
1,3-Dichloropropane	0.5470 0.4136	0.5297 0.3862	0.4727	0.4636	0.4581	Ave		0.4673				12.0		15.0			
Methyl Butyl Ketone (2-Hexanone)	0.1759 0.1692	0.1577 0.1663	0.1596	0.1645	0.1713	Ave		0.1663				3.9		15.0			
Chlorodibromomethane	0.2757 0.2608	0.2872 0.2524	0.2624	0.2656	0.2795	Ave		0.2691				4.5		15.0			
1,2-Dibromoethane	0.2622 0.2180	0.2473 0.2094	0.2276	0.2258	0.2335	Ave		0.2320				7.7		15.0			
Chlorobenzene	1.3330 0.9245	1.3763 0.8227	1.2046	1.1154	1.0577	Qua	0.4633	1.2481	-0.002		0.3000				1.0000		0.9950
1,1,1,2-Tetrachloroethane	0.4176 0.3656	0.4348 0.3461	0.3936	0.3914	0.4060	Ave		0.3936				7.7		15.0			
Ethylbenzene	2.2086 1.4822	2.3959 +++++	2.1530	2.0156	1.7924	Qua	-0.620	2.3537	-0.006						1.0000		0.9950
m-Xylene & p-Xylene	1.8324 0.9742	1.9066 0.8156	1.6733	1.4629	1.2191	Qua	7.1750	1.5442	-0.002						0.9990		0.9950
o-Xylene	1.6688 1.2745	1.8378 1.1194	1.6785	1.6260	1.4976	Qua	-0.587	1.8323	-0.004						1.0000		0.9950
Styrene	1.2338 1.0165	1.4012 0.9075	1.2893	1.2448	1.1721	Ave		1.1808				14.0		15.0			
Bromoform	0.1934 0.1996	0.1879 0.1935	0.1801	0.1886	0.2063	Ave		0.1928			0.1000	4.4		15.0			
Isopropylbenzene	1.7044 1.4092	1.9901 1.2075	1.8656	1.8210	1.6536	Qua	-1.644	2.0868	-0.004						1.0000		0.9950
1,1,2,2-Tetrachloroethane	0.8918 0.6398	0.8017 0.5890	0.7292	0.6761	0.7025	Ave		0.7186			0.3000	14.0		15.0			
Bromobenzene	0.9020 0.7623	0.9423 0.7094	0.8404	0.8337	0.8373	Ave		0.8325				9.4		15.0			
1,2,3-Trichloropropane	0.9133 0.8893	0.8431 0.8506	0.8879	0.8836	0.9116	Ave		0.8828				3.1		15.0			
trans-1,4-Dichloro-2-butene	0.1719 0.1809	0.1597 0.1756	0.1590	0.1606	0.1756	Ave		0.1690				5.4		15.0			
n-Propylbenzene	4.7653 3.0403	5.1942 2.5709	4.6813	4.2633	3.6594	Qua	4.9781	4.6274	-0.010						1.0000		0.9950
2-Chlorotoluene	2.6951 2.0963	2.9391 1.8523	2.6337	2.5481	2.3881	Ave		2.4504				15.0		15.0			
1,3,5-Trimethylbenzene	3.0296 2.3415	3.3802 2.0453	3.1139	2.9906	2.7454	Qua	-1.109	3.3770	-0.007						1.0000		0.9950
4-Chlorotoluene	3.3315 2.3385	3.5569 2.0850	3.0903	2.9532	2.7102	Qua	1.5280	3.2299	-0.006						1.0000		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

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 4	LVL 5		B	M1	M2								
tert-Butylbenzene	2.4665 2.2113	2.8889 1.9389	2.7472	2.7040	2.5707	Ave		2.5039				13.0		15.0			
1,2,4-Trimethylbenzene	3.1812 2.3092	3.4937 2.0365	3.1261	2.9931	2.7796	Qua	-0.308	3.3814	-0.007						0.9990		0.9950
sec-Butylbenzene	3.8708 2.8630	4.4735 2.4460	4.1205	3.8906	3.4263	Qua	0.5063	4.3276	-0.009						1.0000		0.9950
1,3-Dichlorobenzene	1.8140 1.3446	1.8663 1.2330	1.6336	1.5721	1.4947	Ave		1.5655				15.0		15.0			
4-Isopropyltoluene	3.1944 2.4822	3.6793 2.1314	3.2902	3.2219	2.8869	Qua	-1.205	3.6196	-0.007						1.0000		0.9950
1,4-Dichlorobenzene	1.8567 1.3213	1.8876 1.2084	1.6262	1.5500	1.4752	Lin	10.705	1.2162							0.9900		0.9900
1,2,3-Trimethylbenzene	3.1754 +++++	3.4393 +++++	3.0249	2.9706	2.7418	Ave		3.0704				8.4		15.0			
n-Butylbenzene	3.0399 2.3897	3.5240 2.0624	3.1580	3.0901	2.7838	Qua	-1.240	3.4737	-0.007						1.0000		0.9950
1,2-Dichlorobenzene	1.6501 1.1759	1.7275 1.0866	1.4692	1.3926	1.3271	Lin	9.7494	1.0892							0.9900		0.9900
1,2-Dibromo-3-Chloropropane	0.1379 0.1305	0.1093 0.1292	0.1111	0.1168	0.1284	Ave		0.1233				8.8		15.0			
1,2,4-Trichlorobenzene	0.9962 0.8956	1.0156 0.8383	0.8819	0.9477	0.9575	Ave		0.9333				6.9		15.0			
Hexachlorobutadiene	0.7738 0.6712	0.8280 0.6227	0.6843	0.7082	0.7120	Ave		0.7143				9.5		15.0			
Naphthalene	1.9187 1.6458	1.8710 1.5078	1.7387	1.8292	1.8000	Ave		1.7587				8.1		15.0			
1,2,3-Trichlorobenzene	0.9545 0.8212	0.9879 0.7782	0.8444	0.8769	0.8861	Ave		0.8785				8.4		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2681 0.2490	0.2456 0.2446	0.2555	0.2511	0.2417	Ave		0.2508				3.5		15.0			
Toluene-d8 (Surr)	1.0060 1.0192	1.0075 1.0225	1.0083	1.0157	1.0143	Ave		1.0134				0.6		15.0			
4-Bromofluorobenzene (Surr)	0.9593 1.0388	0.9551 1.0473	0.9699	0.9875	1.0085	Ave		0.9952				3.8		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.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-85337/2	E2751.D
Level 2	STD010 510-85337/3	E2752.D
Level 3	STD020 510-85337/4	E2753.D
Level 4	STD050 510-85337/5	E2754.D
Level 5	STD100 510-85337/6	E2755.D
Level 6	STD150 510-85337/7	E2756.D
Level 7	STD200 510-85337/8	E2757.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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
Dichlorodifluoromethane	FB	Ave	91416 2384730	173728 2998080	318258	793167	1571879	5.00 150	10.0 200	20.0	50.0	100
Chloromethane	FB	Ave	52860 1496363	112290 1965805	178554	479253	970347	5.00 150	10.0 200	20.0	50.0	100
Vinyl chloride	FB	Ave	62611 1933865	127060 2556589	229350	597678	1209317	5.00 150	10.0 200	20.0	50.0	100
Bromomethane	FB	Qua	10652 448947	28211 582009	83401	160103	336702	5.00 150	10.0 200	20.0	50.0	100
Chloroethane	FB	Ave	41213 +++++	100597 +++++	146009	451903	808112	5.00 +++++	10.0 +++++	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	103645 2647583	211668 3262696	380332	959718	1842843	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichlorotrifluoroethane	FB	Ave	83240 2141436	166119 2671671	295429	760735	1465611	5.00 150	10.0 200	20.0	50.0	100
Acrolein	FB	Ave	4033 88241	6461 113491	12371	29369	58263	5.02 151	10.0 201	20.1	50.2	100
1,1-Dichlorethylene	FB	Ave	55588 1361648	98028 1752269	179829	458076	956044	5.00 150	10.0 200	20.0	50.0	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	41067 1127062	86229 1411436	152267	389781	769976	5.00 150	10.0 200	20.0	50.0	100
Acetone	FB	Lin	15776 146708	16072 203241	26684	55573	104255	5.00 150	10.0 200	20.0	50.0	100
Iodomethane	FB	Lin2	12798 961123	49706 1463854	98842	305534	664597	5.00 150	10.0 200	20.0	50.0	100
Carbon disulfide	FB	Lin	184010 4083634	339142 5212597	603435	1512711	2981481	5.00 150	10.0 200	20.0	50.0	100
Methyl acetate	FB	Ave	52162 1094880	77473 1506199	148898	359885	742830	5.00 150	10.0 200	20.0	50.0	100
Methylene Chloride	FB	Ave	61736 1339457	101658 1776411	176334	444707	937861	5.00 150	10.0 200	20.0	50.0	100

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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
t-Butyl alcohol	FB	Lin2	28355 566373	37539 759717	70468	171816	383826	20.0 600	40.0 800	80.0	200	400
Acrylonitrile	FB	Lin2	17067 315008	23935 421762	44423	105459	217644	5.00 150	10.0 200	20.0	50.0	100
trans-1,2-Dichloroethylene	FB	Ave	62965 1484782	111458 1904906	199309	513613	1056592	5.00 150	10.0 200	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	136636 3249790	264883 4090272	470461	1159916	2312121	5.00 150	10.0 200	20.0	50.0	100
n-Hexane	FB	Ave	60086 1548162	111091 1935119	205255	515799	1078843	5.00 150	10.0 200	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	107588 2414930	196551 3101937	345980	869884	1778229	5.00 150	10.0 200	20.0	50.0	100
Vinyl acetate	FB	Qua	191717 3974007	341944 4560936	604691	1434762	3020818	10.0 300	20.0 400	40.0	100	200
Isopropyl ether	FB	Qua	157188 3466395	284969 4398324	497599	1270766	2682736	5.00 150	10.0 200	20.0	50.0	100
Tert-butyl ethyl ether	FB	Ave	132219 3237918	247163 4120475	446085	1156753	2359015	5.00 150	10.0 200	20.0	50.0	100
cis-1,2-Dichloroethylene	FB	Ave	72468 1689756	127766 2163364	227575	588837	1235952	5.00 150	10.0 200	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	81863 2401021	159176 3070835	295023	790604	1693524	5.00 150	10.0 200	20.0	50.0	100
Methyl ethyl ketone (MEK)	FB	Lin2	10300 210179	15147 287512	28068	69557	144239	5.00 150	10.0 200	20.0	50.0	100
Ethyl acetate	FB	Ave	53932 1149106	77187 1493500	148952	376252	789393	5.00 150	10.0 200	20.0	50.0	100
Propionitrile	DCB	Ave	6622 139239	10008 182783	19458	45942	96952	5.00 150	10.0 200	20.0	50.0	100
Chlorobromomethane	FB	Ave	37434 866203	62030 1156227	109805	286054	616586	5.00 150	10.0 200	20.0	50.0	100
Chloroform	FB	Lin	116167 2551515	206526 3284803	363318	917093	1875130	5.00 150	10.0 200	20.0	50.0	100
Tetrahydrofuran	DCB	Lin	16054 317558	36281 420490	39837	101278	212855	5.00 150	10.0 200	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	94270 2465466	178071 3153077	324684	845766	1767504	5.00 150	10.0 200	20.0	50.0	100
Cyclohexane	FB	Ave	77930 2351754	157164 2931398	297971	789085	1647240	5.00 150	10.0 200	20.0	50.0	100
1,1-Dichloropropene	FB	Ave	90473 2359825	166449 2951635	306830	814577	1675603	5.00 150	10.0 200	20.0	50.0	100
Carbon tetrachloride	FB	Ave	77279 2227958	155385 2827348	281435	743152	1574225	5.00 150	10.0 200	20.0	50.0	100

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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
Benzene	FB	Qua	303334 5211590	510033 6257036	891111	2136388	4019326	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloroethane	FB	Ave	74939 1779498	128967 2340070	228926	588044	1255508	5.00 150	10.0 200	20.0	50.0	100
Isobutanol	FB	Ave	17627 488746	35218 648237	60747	155843	343609	5.00 150	10.0 200	20.0	50.0	100
Tert-amyl methyl ether	FB	Ave	130200 3404002	242631 4346784	445218	1189365	2451788	5.00 150	10.0 200	20.0	50.0	100
n-Butanol	FB	Ave	12104 374387	18754 507463	37720	100293	235486	55.0 1650	110 2200	220	550	1100
Trichloroethene	FB	Ave	66304 1662278	119935 2144983	214292	569362	1178384	5.00 150	10.0 200	20.0	50.0	100
Methylcyclohexane	FB	Ave	99754 2882421	197201 3511845	384454	1021708	2063667	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloropropane	FB	Ave	63324 1524156	112232 1966881	200454	521387	1097568	5.00 150	10.0 200	20.0	50.0	100
Dibromomethane	FB	Ave	31737 763735	52452 1022326	95350	246712	533741	5.00 150	10.0 200	20.0	50.0	100
Bromodichloromethane	FB	Ave	73852 1940321	138293 2548591	241262	644129	1392178	5.00 150	10.0 200	20.0	50.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 185650	11028 205941	22118	53648	94522	+++++ 300	20.0 400	40.0	100	200
cis-1,3-Dichloropropene	FB	Ave	70870 2202596	134066 2863249	253368	710803	1561084	5.00 150	10.0 200	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	FB	Ave	35248 998229	58227 1326596	111209	309151	667789	5.00 150	10.0 200	20.0	50.0	100
Toluene	FB	Qua	292858 5342496	520010 6399878	906846	2214894	4103133	5.00 150	10.0 200	20.0	50.0	100
trans-1,3-Dichloropropene	FB	Ave	60131 1918599	111747 2519122	215021	602663	1337558	5.00 150	10.0 200	20.0	50.0	100
Ethyl methacrylate	FB	Ave	58103 1886858	105093 2461979	209714	596850	1300928	5.00 150	10.0 200	20.0	50.0	100
1,1,2-Trichloroethane	FB	Ave	41768 987310	70408 1298603	124200	321574	688422	5.00 150	10.0 200	20.0	50.0	100
Tetrachloroethylene	FB	Ave	52535 1340238	96207 1666459	178205	456543	938223	5.00 150	10.0 200	20.0	50.0	100
1,3-Dichloropropane	FB	Ave	85500 2007254	147518 2575502	264295	689764	1443971	5.00 150	10.0 200	20.0	50.0	100
Methyl Butyl Ketone (2-Hexanone)	FB	Ave	27490 821302	43915 1108751	89263	244701	539830	5.00 150	10.0 200	20.0	50.0	100
Chlorodibromomethane	FB	Ave	43092 1265485	79994 1682860	146699	395130	880984	5.00 150	10.0 200	20.0	50.0	100

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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
1,2-Dibromoethane	FB	Ave	40985 1058120	68866 1396701	127284	335955	735990	5.00 150	10.0 200	20.0	50.0	100
Chlorobenzene	CBZ	Qua	169553 3621760	308872 4453641	535579	1340411	2653218	5.00 150	10.0 200	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	53115 1432157	97573 1873547	174990	470359	1018577	5.00 150	10.0 200	20.0	50.0	100
Ethylbenzene	CBZ	Qua	280926 5806488	537692 +++++	957274	2422201	4496239	5.00 150	10.0 +++++	20.0	50.0	100
m-Xylene & p-Xylene	CBZ	Qua	466163 7633084	855773 8830035	1488030	3515891	6116139	10.0 300	20.0 400	40.0	100	200
o-Xylene	CBZ	Qua	212275 4992886	412447 6059690	746296	1953983	3756817	5.00 150	10.0 200	20.0	50.0	100
Styrene	CBZ	Ave	156942 3981947	314476 4912867	573275	1495860	2940275	5.00 150	10.0 200	20.0	50.0	100
Bromoform	CBZ	Ave	24598 782024	42179 1047346	80097	226639	517502	5.00 150	10.0 200	20.0	50.0	100
Isopropylbenzene	CBZ	Qua	216792 5520542	446635 6536639	829488	2188279	4148065	5.00 150	10.0 200	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	62686 1385305	99446 1759922	177635	449665	973620	5.00 150	10.0 200	20.0	50.0	100
Bromobenzene	DCB	Ave	63401 1650421	116876 2119758	204703	554496	1160436	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	64197 1925471	104573 2541539	216286	587640	1263472	5.00 150	10.0 200	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	12083 391708	19809 524625	38733	106816	243391	5.00 150	10.0 200	20.0	50.0	100
n-Propylbenzene	DCB	Qua	334955 6582806	644276 7682211	1140317	2835481	5071718	5.00 150	10.0 200	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	189442 4538925	364560 5534713	641539	1694691	3309820	5.00 150	10.0 200	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Qua	212954 5069749	419273 6111528	758518	1988999	3804931	5.00 150	10.0 200	20.0	50.0	100
4-Chlorotoluene	DCB	Qua	234172 5063216	441190 6230034	752768	1964140	3756231	5.00 150	10.0 200	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	173374 4787971	358330 5793460	669190	1798376	3562836	5.00 150	10.0 200	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Qua	223610 4999946	433344 6085175	761473	1990704	3852325	5.00 150	10.0 200	20.0	50.0	100
sec-Butylbenzene	DCB	Qua	272081 6198878	554874 7308878	1003704	2587626	4748585	5.00 150	10.0 200	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	127506 2911243	231490 3684222	397928	1045614	2071556	5.00 150	10.0 200	20.0	50.0	100

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85337

SDG No.:

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

Calibration Start Date: 08/19/2011 04:10 Calibration End Date: 08/19/2011 07:38 Calibration ID: 4210

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/KG)				
			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
4-Isopropyltoluene	DCB	Qua	224537 5374423	456369 6368847	801449	2142849	4001016	5.00 150	10.0 200	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Lin	130512 2860904	234131 3610710	396122	1030875	2044589	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	223204 +++++	426599 +++++	736840	1975728	3799991	5.00 +++++	10.0 +++++	20.0	50.0	100
n-Butylbenzene	DCB	Qua	213675 5174171	437102 6162518	769264	2055215	3858185	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Lin	115988 2546128	214270 3246764	357870	926177	1839293	5.00 150	10.0 200	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	9691 282515	13559 386056	27068	77695	177996	5.00 150	10.0 200	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	70023 1939202	125976 2504883	214827	630324	1327039	5.00 150	10.0 200	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	54388 1453224	102697 1860640	166688	471000	986831	5.00 150	10.0 200	20.0	50.0	100
Naphthalene	DCB	Ave	134865 3563386	232068 4505580	423525	1216581	2494742	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	67091 1778010	122536 2325271	205687	583240	1228052	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	419142 402759	342011 407809	357124	373561	381003	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	FB	Ave	1572511 1648640	1402995 1704596	1409394	1511097	1598634	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	674297 749722	592353 782378	590630	656775	698835	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

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Lims ID:	std005	Client ID:	
Inject. Date:	19-Aug-2011 04:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD005		
Misc. Info.:	510-0005409-002 =510-0005409-002		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85337	Lims Sample ID:	2
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m		
Last Update:	20-Aug-2011 09:54:39	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hobartw		Date:	19-Aug-2011 08:42:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.919	6.916	0.003	97	1563095	50.0	
* 2 Chlorobenzene-d5	117	10.654	10.651	0.003	85	1271984	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.921	13.918	0.003	96	702908	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.541	6.533	0.008	0	419142	53.5	
$ 6 Toluene-d8 (Surr)	98	8.792	8.789	0.003	93	1572511	49.6	
$ 7 4-Bromofluorobenzene (Surr)	95	12.266	12.263	0.003	87	674297	48.2	
8 Dichlorodifluoromethane	85	2.143	2.104	0.039	84	91416	5.46	M
9 Chloromethane	50	2.338	2.311	0.027	81	52860	5.16	M
10 Vinyl chloride	62	2.459	2.444	0.015	0	62611	4.95	M
11 Bromomethane	94	2.818	2.779	0.039	81	10652	2.75	M
12 Chloroethane	64	2.946	2.895	0.051	0	41213	4.56	M
13 Trichlorofluoromethane	101	3.214	3.174	0.040	78	103645	5.31	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.530	3.509	0.021	91	83240	5.36	
15 Acrolein	56	3.664	3.643	0.021	36	4033	6.27	M
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.779	3.752	0.027	73	41067	5.12	
16 1,1-Dichloroethene	96	3.773	3.752	0.021	96	55588	5.70	
18 Acetone	58	3.816	3.813	0.003	96	15776	4.71	
19 Iodomethane	142	3.932	3.929	0.003	85	12798	4.77	
20 Carbon disulfide	76	4.017	3.996	0.021	97	184010	-1.59	
21 Methyl acetate	43	4.169	4.160	0.009	95	52162	6.46	
22 Methylene Chloride	84	4.290	4.282	0.008	78	61736	6.24	
23 2-Methyl-2-propanol	59	4.394	4.409	-0.015	95	28355	20.9	
24 Acrylonitrile	53	4.534	4.531	0.003	93	17067	4.98	
25 trans-1,2-Dichloroethene	96	4.576	4.561	0.015	77	62965	5.80	
26 Methyl tert-butyl ether	73	4.576	4.574	0.002	88	136636	5.60	
27 Hexane	57	4.868	4.860	0.008	92	60086	5.49	
28 1,1-Dichloroethane	63	5.021	5.012	0.008	82	107588	5.84	
29 Vinyl acetate	43	5.069	5.066	0.003	98	191717	11.7	
30 Isopropyl ether	45	5.087	5.091	-0.004	19	157188	5.34	M
31 Tert-butyl ethyl ether	59	5.477	5.474	0.003	92	132219	5.54	

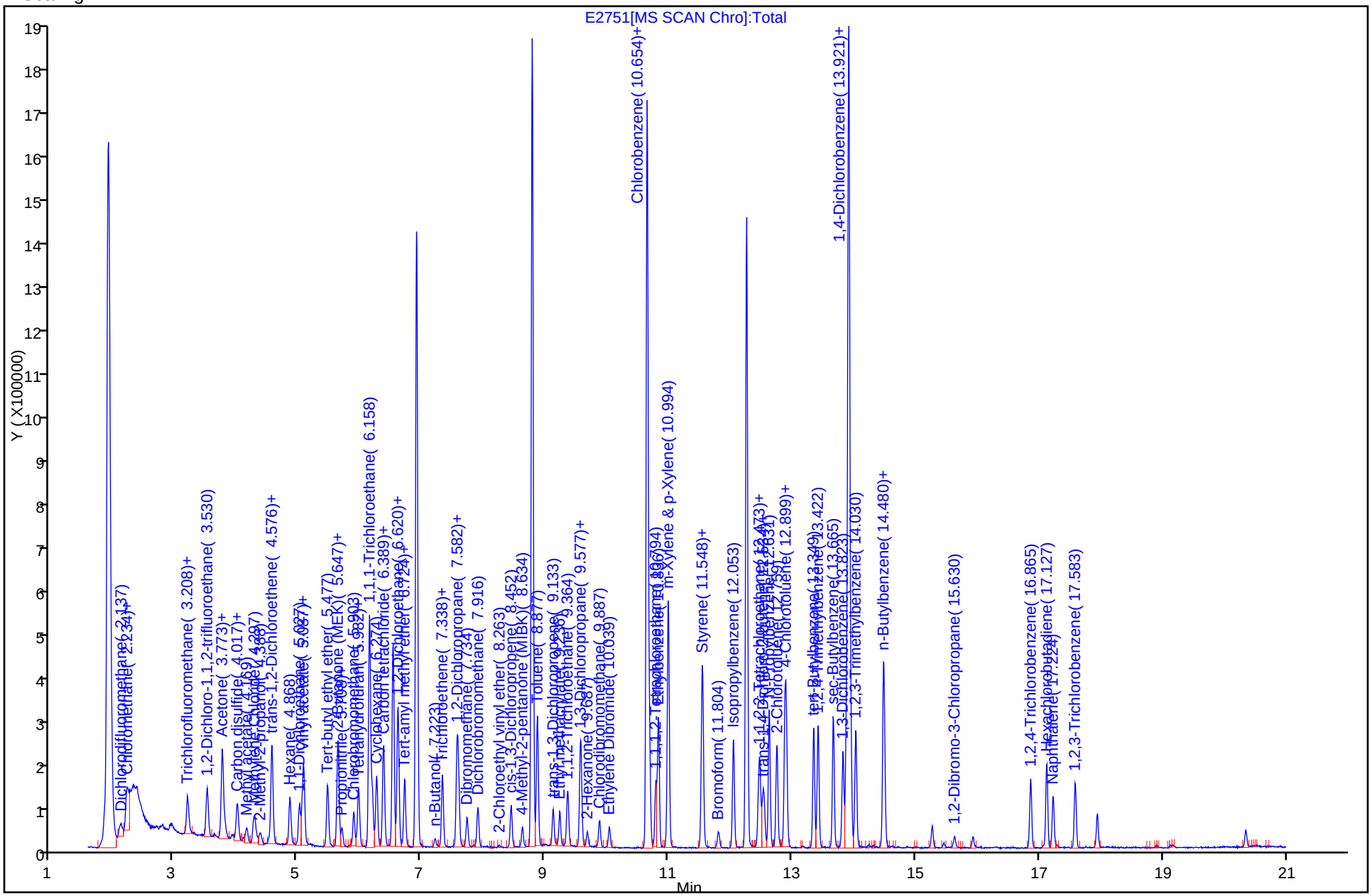
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.641	5.632	0.009	96	72468	5.82	
33 2,2-Dichloropropane	77	5.647	5.644	0.003	70	81863	5.03	
34 2-Butanone (MEK)	72	5.647	5.650	-0.003	47	10300	4.99	M
105 Ethyl acetate	43	5.714	5.705	0.009	0	53932	6.52	
93 Propionitrile	54	5.714	5.711	0.003	0	6622	6.35	
35 Chlorobromomethane	130	5.909	5.900	0.009	92	37434	5.99	
95 Tetrahydrofuran	42	5.957	5.957	0.0	0	16054	1.68	M
36 Chloroform	83	5.982	5.979	0.003	70	116167	-0.6076	
37 1,1,1-Trichloroethane	97	6.207	6.198	0.009	90	94270	5.37	
38 Cyclohexane	84	6.274	6.265	0.009	87	77930	4.88	
39 1,1-Dichloropropene	75	6.383	6.374	0.009	95	90473	5.43	
40 Carbon tetrachloride	117	6.389	6.387	0.002	79	77279	5.03	
41 Benzene	78	6.614	6.612	0.002	68	303334	4.59	
42 1,2-Dichloroethane	62	6.627	6.618	0.009	14	74939	5.86	
43 Isobutyl alcohol	41	6.730	6.721	0.009	37	17627	5.20	
44 Tert-amyl methyl ether	73	6.724	6.727	-0.003	95	130200	5.37	
102 n-Butanol	56	7.217	7.226	-0.009	0	12104	58.7	M
45 Trichloroethene	132	7.338	7.336	0.002	97	66304	5.58	
46 Methylcyclohexane	83	7.576	7.573	0.003	92	99754	4.97	
47 1,2-Dichloropropane	63	7.600	7.597	0.003	88	63324	5.73	
48 Dibromomethane	93	7.740	7.731	0.009	84	31737	5.88	
49 Dichlorobromomethane	83	7.916	7.907	0.009	96	73852	5.41	
50 2-Chloroethyl vinyl ether	63	8.257	8.254	0.003	22	2143	3.84	M
54 cis-1,3-Dichloropropene	75	8.452	8.449	0.003	91	70870	4.89	
52 4-Methyl-2-pentanone (MIBK)	43	8.634	8.631	0.003	91	35248	5.41	
53 Toluene	91	8.877	8.875	0.002	56	292858	4.37	
51 trans-1,3-Dichloropropene	75	9.133	9.130	0.003	92	60131	4.86	
55 Ethyl methacrylate	69	9.242	9.234	0.008	85	58103	4.83	
56 1,1,2-Trichloroethane	83	9.364	9.367	-0.003	85	41768	5.94	
57 Tetrachloroethene	164	9.571	9.568	0.003	95	52535	5.52	
58 1,3-Dichloropropane	76	9.589	9.586	0.003	89	85500	5.85	
59 2-Hexanone	43	9.687	9.684	0.003	91	27490	5.29	
60 Chlorodibromomethane	129	9.881	9.878	0.003	85	43092	5.12	
61 Ethylene Dibromide	107	10.045	10.043	0.002	98	40985	5.65	
62 Chlorobenzene	112	10.690	10.694	-0.004	0	169553	5.01	M
63 1,1,1,2-Tetrachloroethane	131	10.794	10.791	0.003	91	53115	5.30	
64 Ethylbenzene	91	10.836	10.834	0.002	97	280926	5.02	
65 m-Xylene & p-Xylene	91	10.994	10.998	-0.004	0	466163	7.28	
66 o-Xylene	91	11.542	11.539	0.003	91	212275	4.92	
67 Styrene	104	11.554	11.557	-0.003	89	156942	5.22	
68 Bromoform	173	11.816	11.807	0.009	92	24598	5.02	
69 Isopropylbenzene	105	12.053	12.050	0.003	97	216792	4.92	
71 1,1,2,2-Tetrachloroethane	83	12.455	12.458	-0.004	89	62686	6.21	
70 Bromobenzene	156	12.479	12.482	-0.003	0	63401	5.42	M
72 1,2,3-Trichloropropane	75	12.528	12.525	0.003	38	64197	5.17	
73 trans-1,4-Dichloro-2-butene	53	12.540	12.543	-0.003	36	12083	5.08	
74 N-Propylbenzene	91	12.631	12.634	-0.003	97	334955	4.11	
75 2-Chlorotoluene	91	12.759	12.756	0.003	95	189442	5.50	
76 1,3,5-Trimethylbenzene	105	12.886	12.884	0.002	34	212954	4.86	M
77 4-Chlorotoluene	91	12.905	12.908	-0.003	90	234172	4.72	
78 tert-Butylbenzene	119	13.349	13.352	-0.003	91	173374	4.93	
80 1,2,4-Trimethylbenzene	105	13.422	13.419	0.003	58	223610	4.84	

	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	94	272081	4.40	
82	1,3-Dichlorobenzene	146	13.823	13.827	-0.004	95	127506	5.79	
79	4-Isopropyltoluene	119	13.884	13.881	0.003	90	224537	4.79	
83	1,4-Dichlorobenzene	146	13.957	13.954	0.003	93	130512	-1.17	M
99	1,2,3-Trimethylbenzene	105	14.036	14.033	0.003	0	223204	5.17	
84	n-Butylbenzene	91	14.480	14.478	0.002	94	213675	4.78	
85	1,2-Dichlorobenzene	146	14.492	14.496	-0.004	89	115988	-1.38	
86	1,2-Dibromo-3-Chloropropane	157	15.642	15.633	0.009	0	9691	5.59	M
87	1,2,4-Trichlorobenzene	180	16.865	16.868	-0.003	90	70023	5.34	
88	Hexachlorobutadiene	225	17.121	17.124	-0.003	0	54388	5.42	M
89	Naphthalene	128	17.230	17.227	0.003	98	134865	5.45	
90	1,2,3-Trichlorobenzene	180	17.589	17.586	0.003	0	67091	5.43	M
S 92	Total 1,2-dichloroethene	100				0		11.6	
S 91	Xylenes, Total	100				0		12.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D
Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 2
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

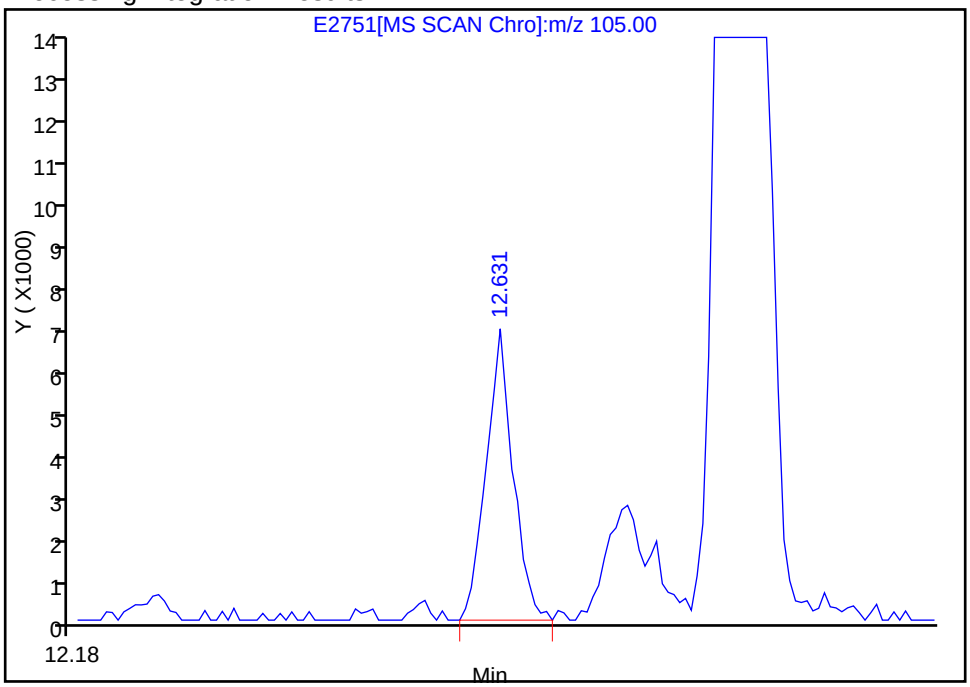
Lims Batch ID: 85337 Lims Sample ID: 2

Operator ID: WH

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

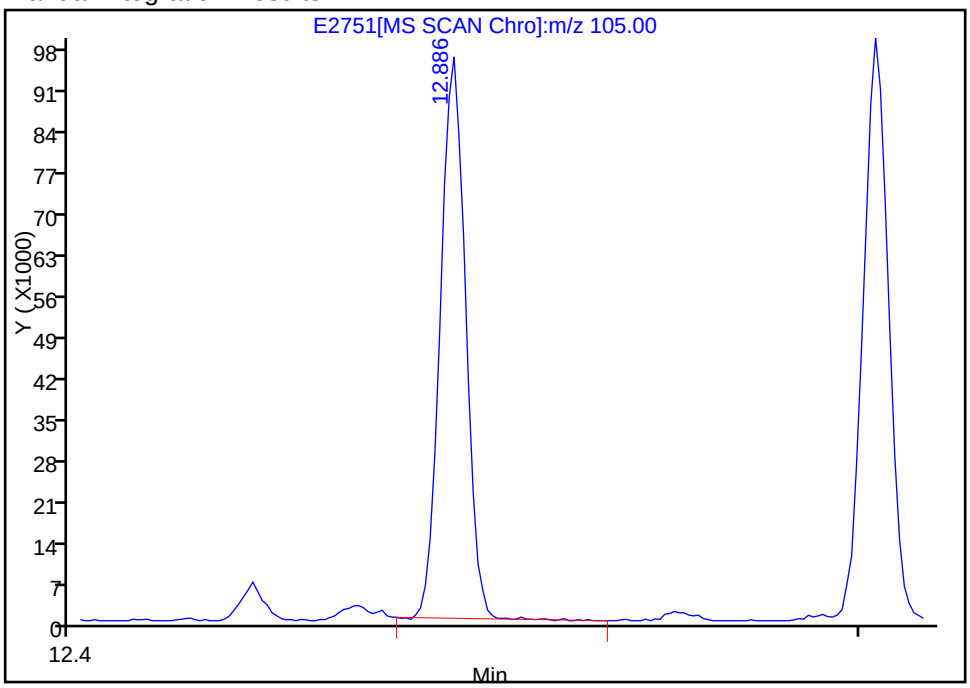
Processing Integration Results

RT: 12.63
Response: 12912
Amount: 0.028762



Manual Integration Results

RT: 12.89
Response: 212954
Amount: 4.860649



Reviewer: hobartw, 19-Aug-2011 08:12:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 2

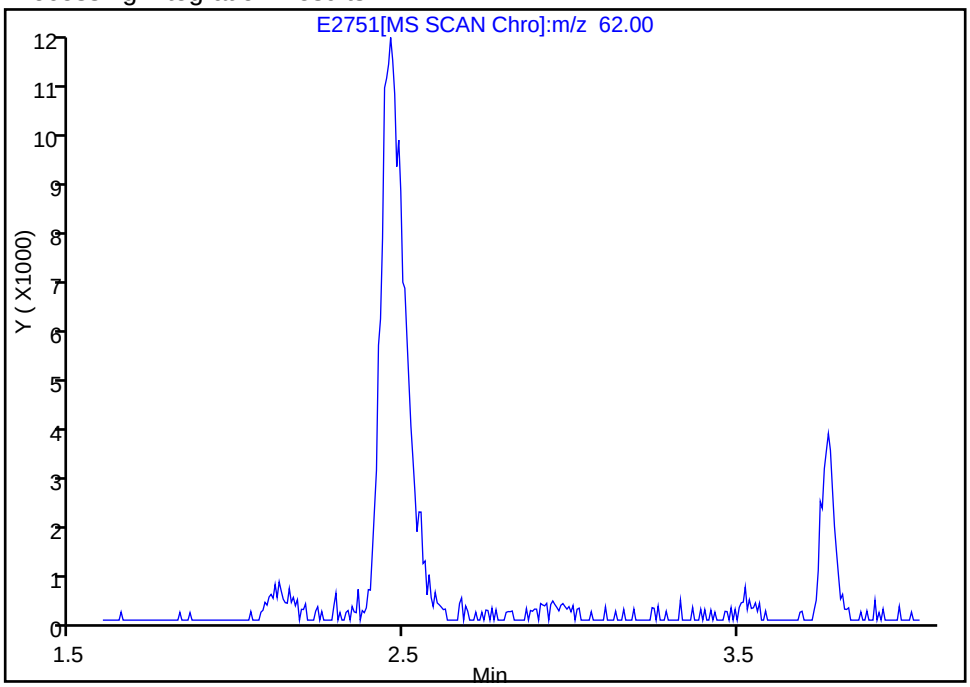
Operator ID: WH

10 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 2.44

Processing Integration Results

Not Detected

Expected RT: 2.44

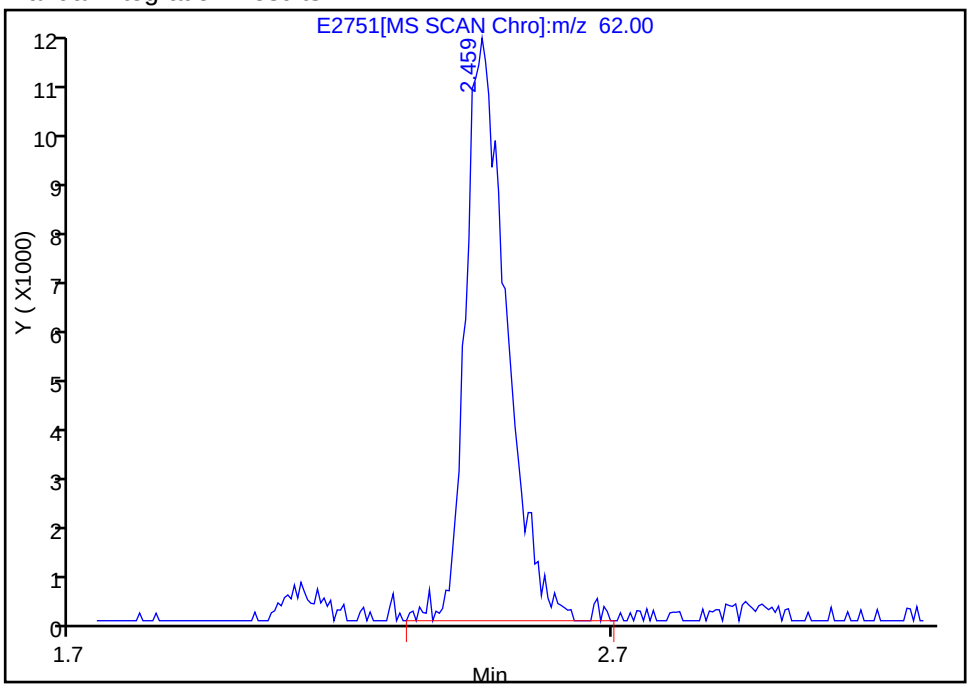


Manual Integration Results

RT: 2.46

Response: 62611

Amount: 4.946508



Reviewer: hobartw, 19-Aug-2011 08:12:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

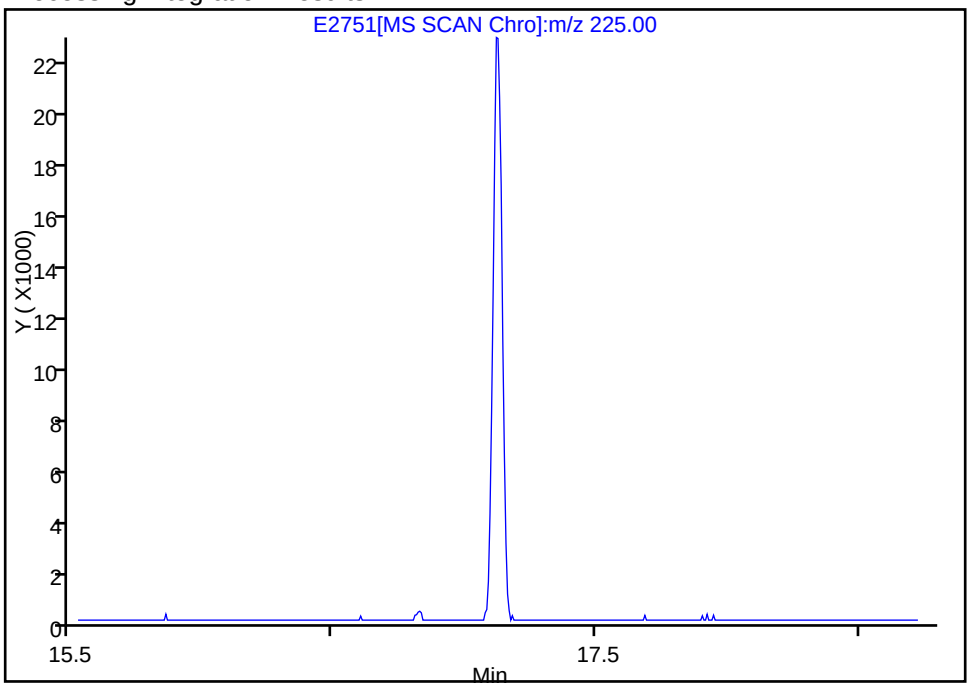
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D
Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 2
Operator ID: WH

88 Hexachlorobutadiene, Signal: 1, m/z: 225.0 Type: quant, RT: 17.12

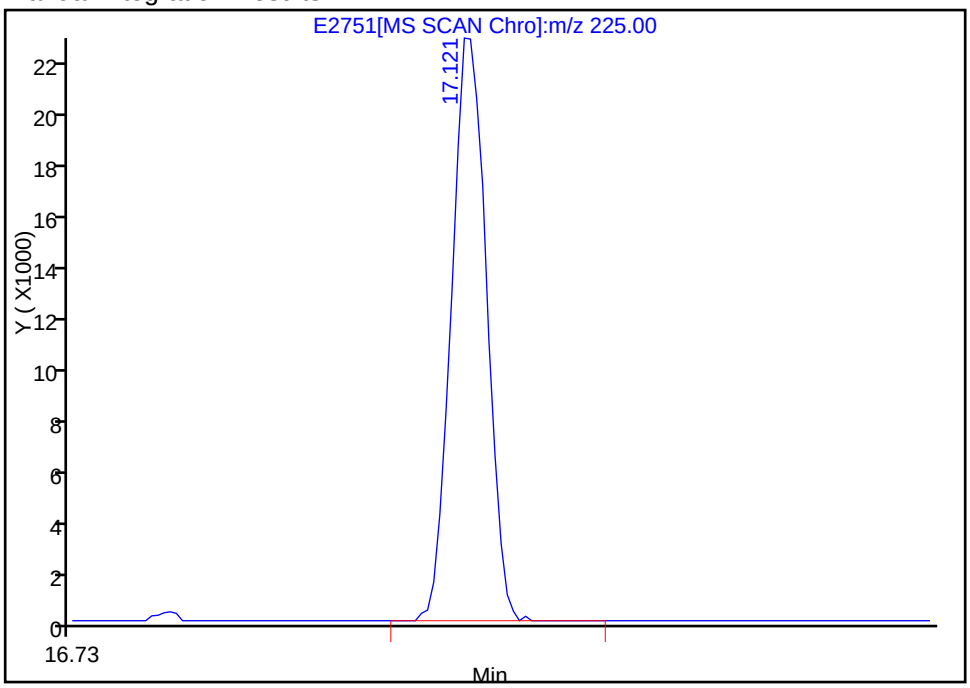
Processing Integration Results

Not Detected
Expected RT: 17.12



Manual Integration Results

RT: 17.12
Response: 54388
Amount: 5.416208



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

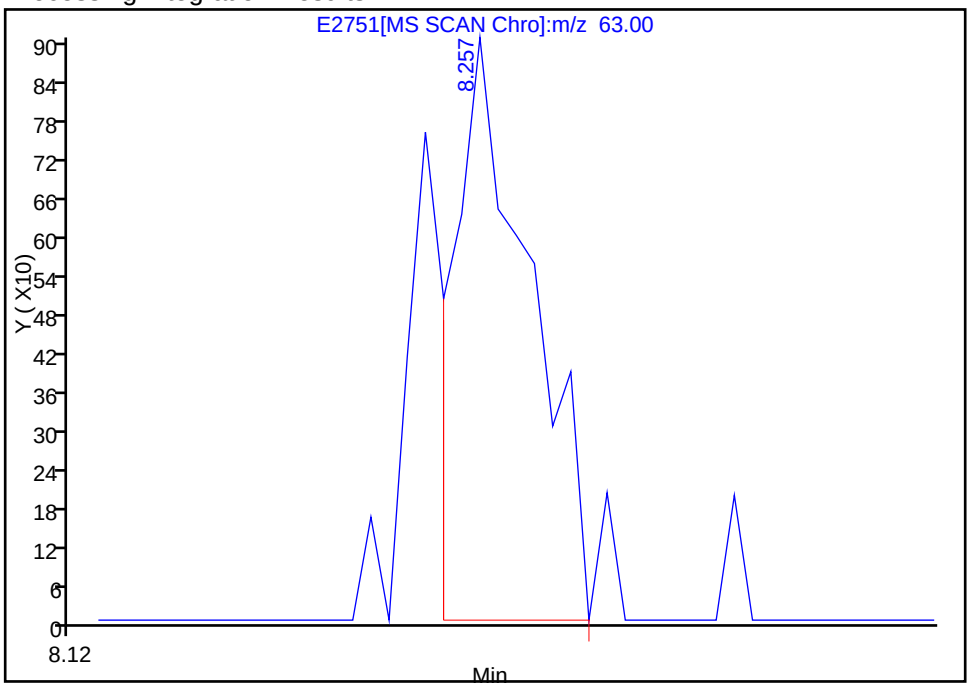
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

50 2-Chloroethyl vinyl ether, Signal: 1, m/z: 63.0 Type: quant, RT: 8.25

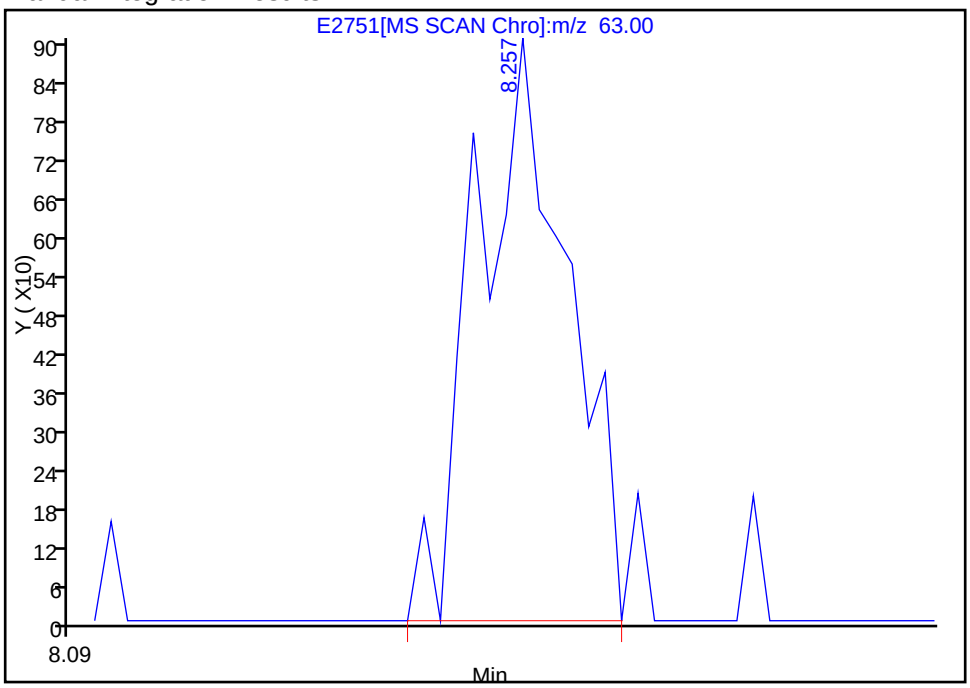
Processing Integration Results

RT: 8.26
Response: 1656
Amount: 0.001454



Manual Integration Results

RT: 8.26
Response: 2143
Amount: 3.837837



Reviewer: hobartw, 19-Aug-2011 08:42:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

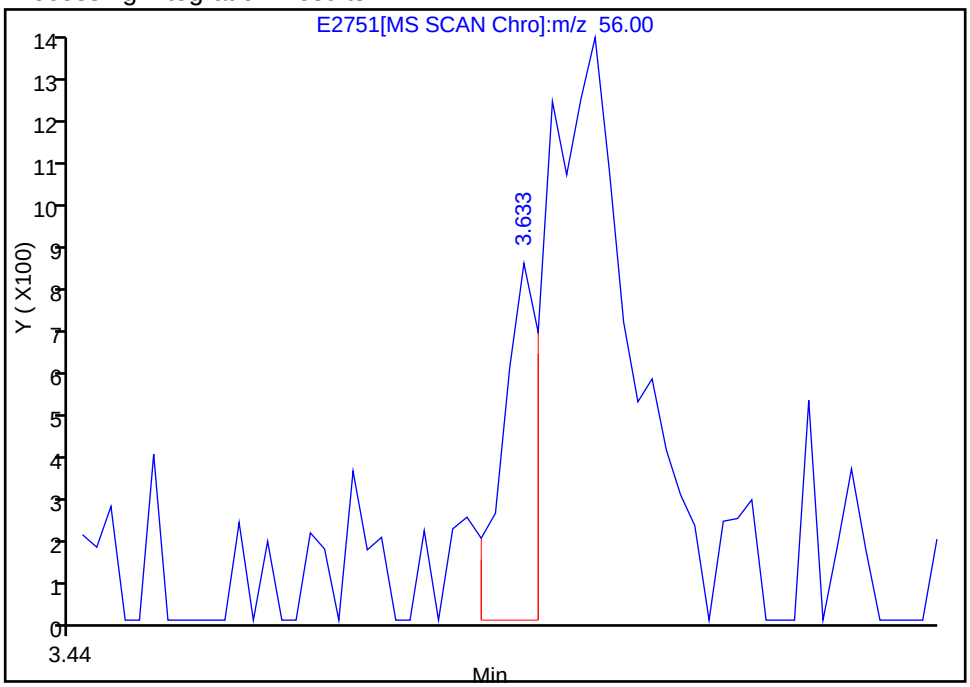
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

15 Acrolein, Signal: 1, m/z: 56.0 Type: quant, RT: 3.64

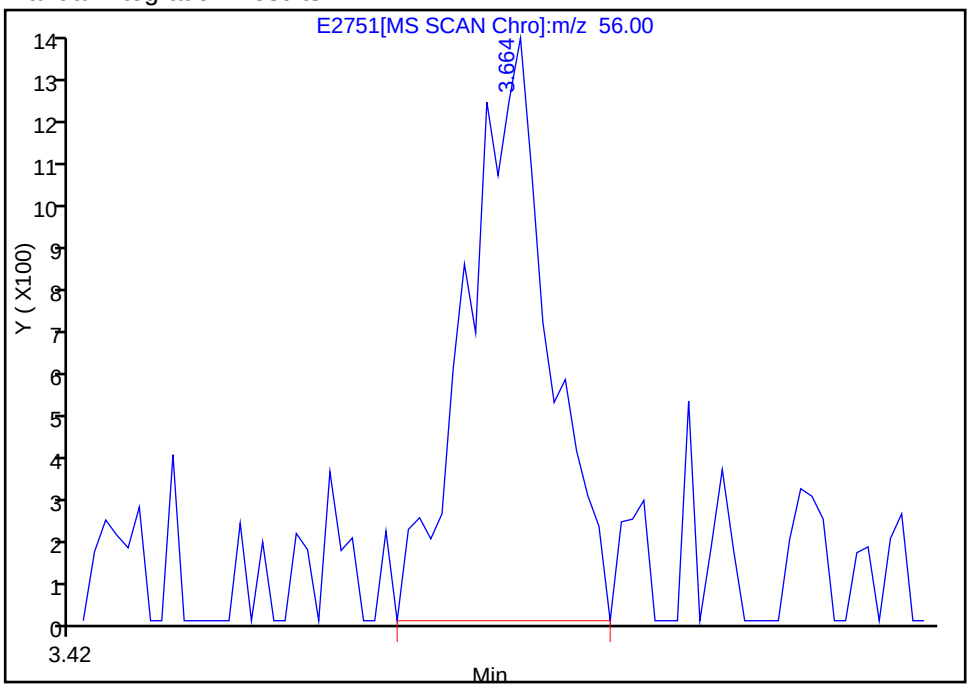
Processing Integration Results

RT: 3.63
Response: 885
Amount: 0.000981



Manual Integration Results

RT: 3.66
Response: 4033
Amount: 6.272225



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

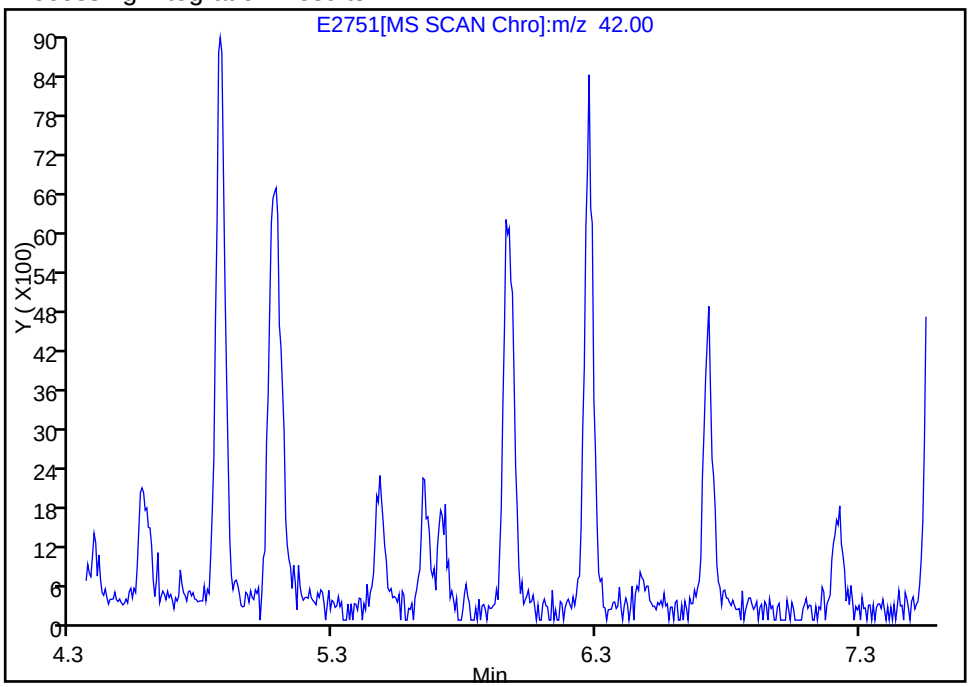
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

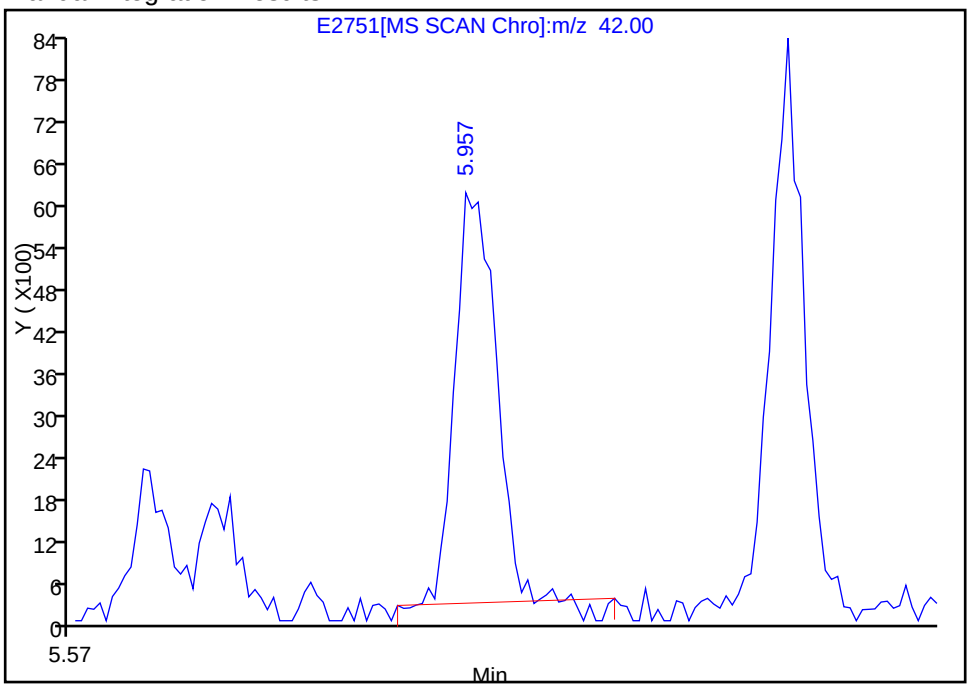
Processing Integration Results

Not Detected
Expected RT: 5.96



Manual Integration Results

RT: 5.96
Response: 16054
Amount: 1.684091



Reviewer: hallj, 20-Aug-2011 09:54:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

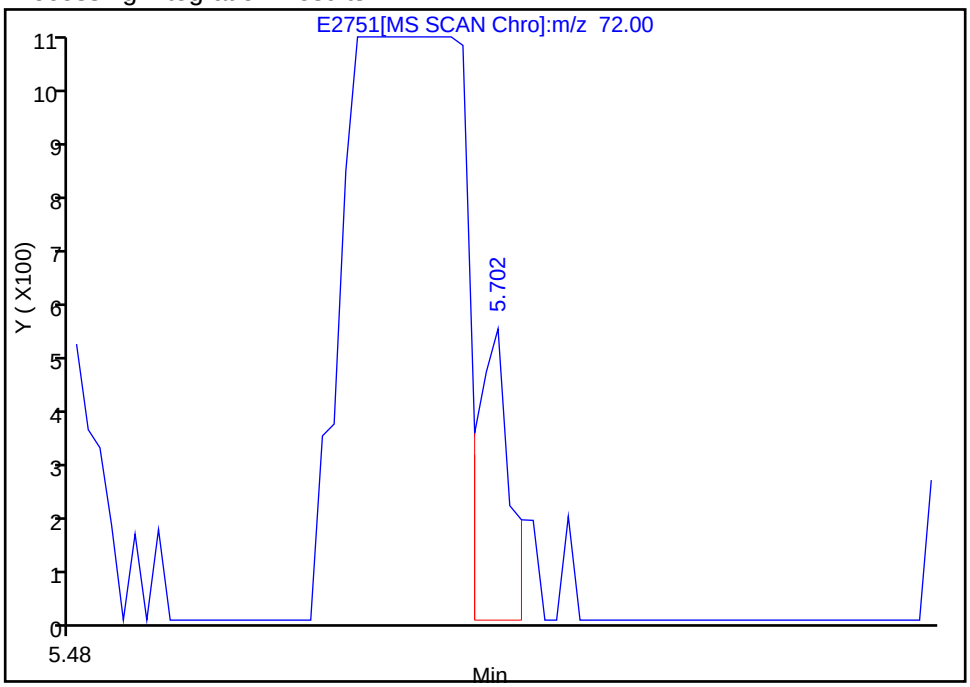
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

34 2-Butanone (MEK), Signal: 1, m/z: 72.0 Type: quant, RT: 5.65

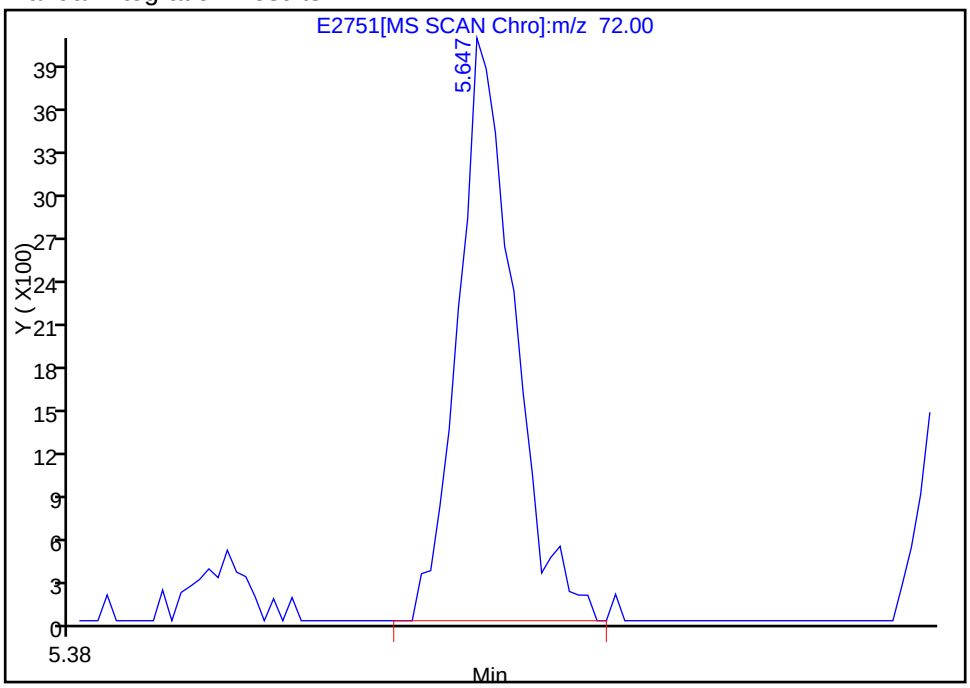
Processing Integration Results

RT: 5.70
Response: 606
Amount: 0.000195



Manual Integration Results

RT: 5.65
Response: 10300
Amount: 4.990487



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

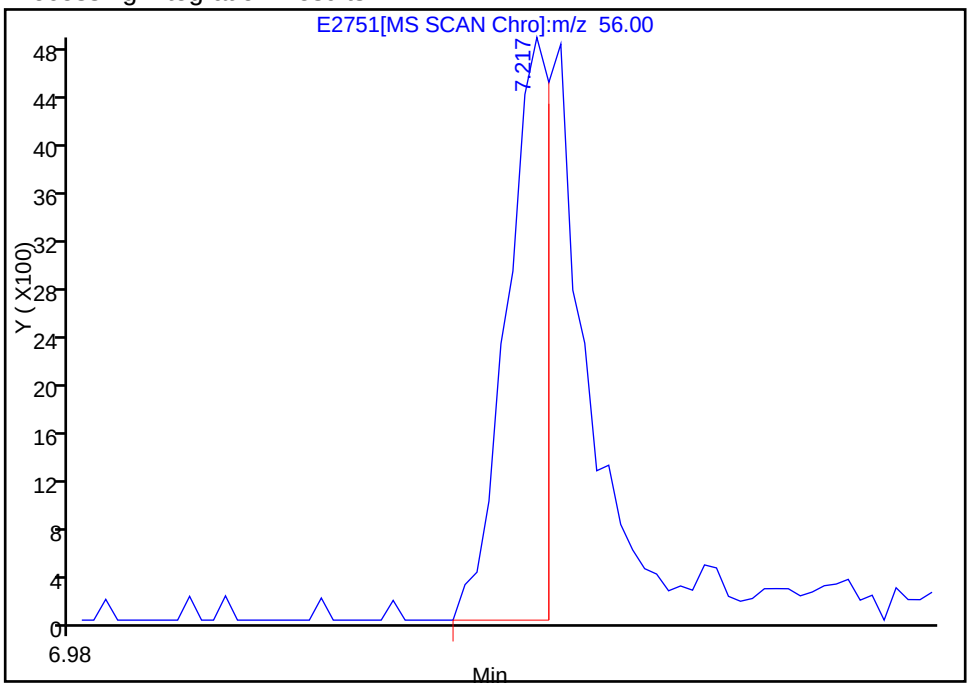
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 7.23

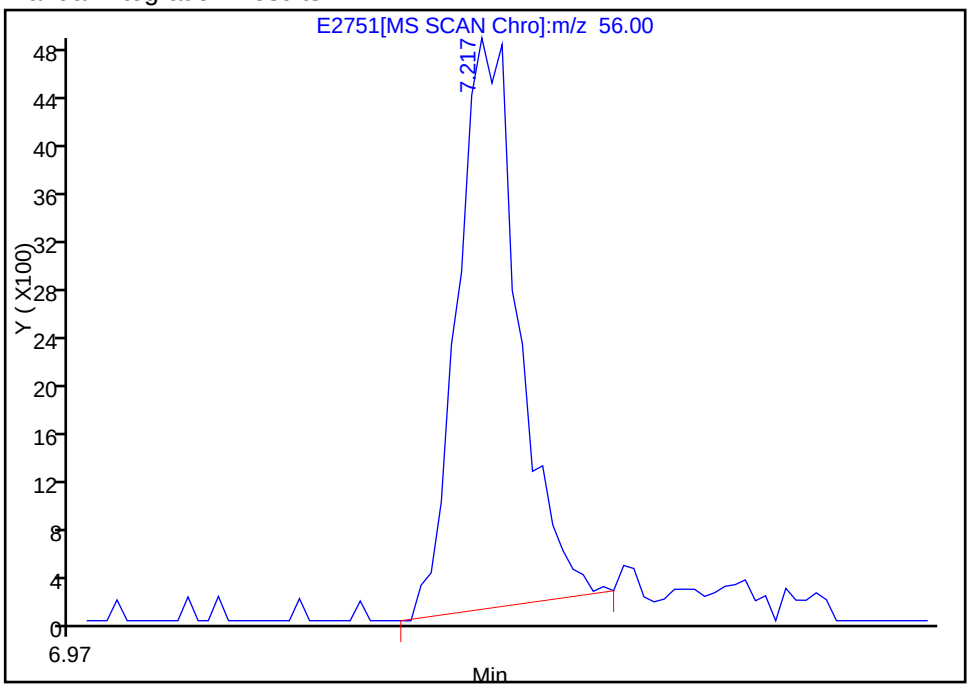
Processing Integration Results

RT: 7.22
Response: 7507
Amount: 0.019106



Manual Integration Results

RT: 7.22
Response: 12104
Amount: 58.732990



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

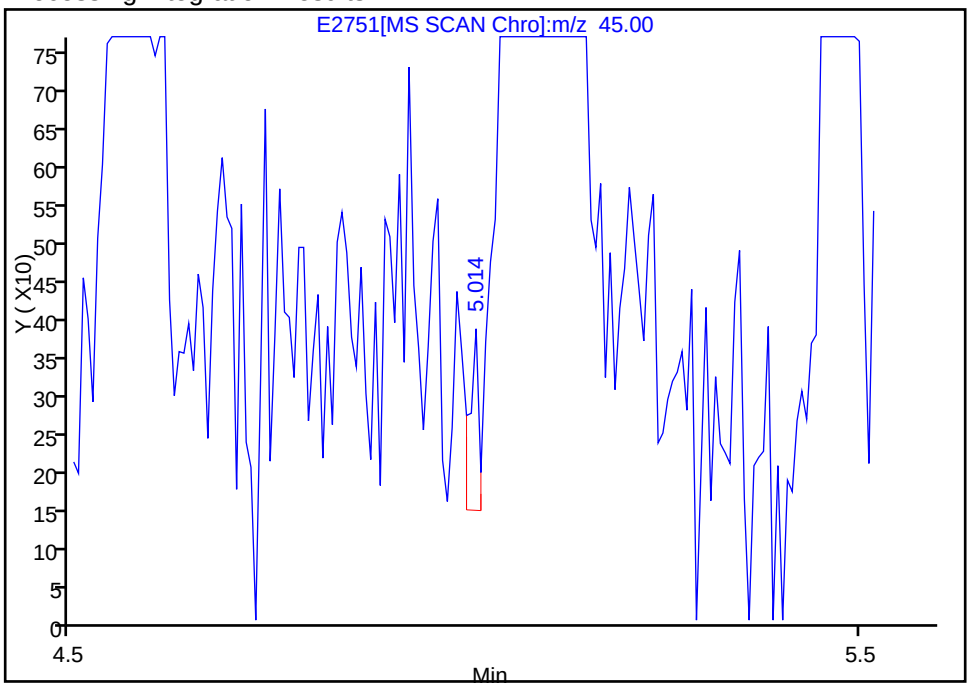
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

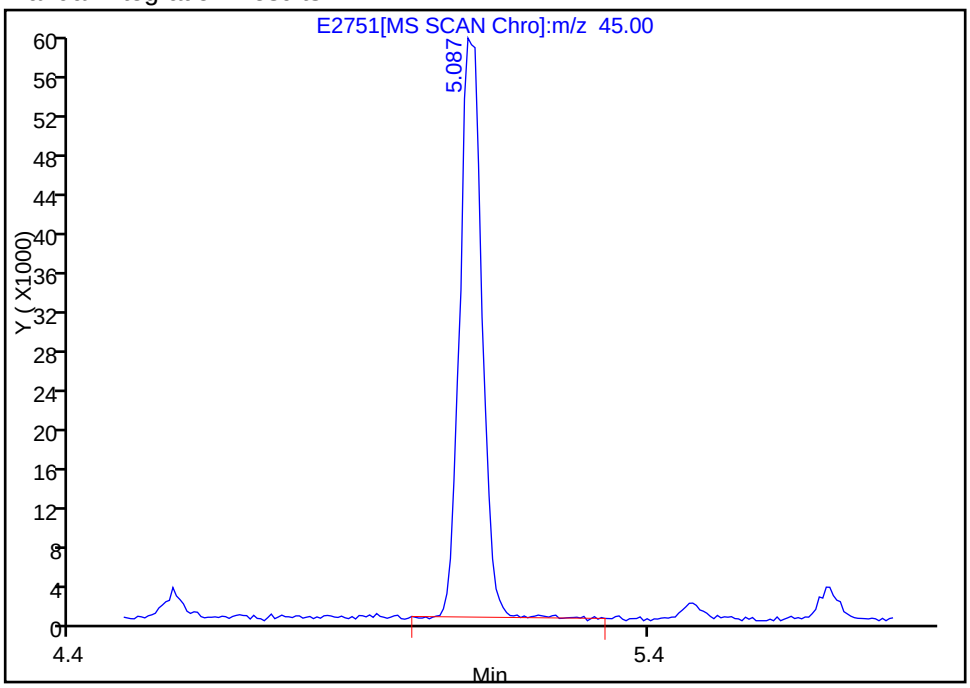
Processing Integration Results

RT: 5.01
Response: 197
Amount: 0.002916



Manual Integration Results

RT: 5.09
Response: 157188
Amount: 5.340672



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

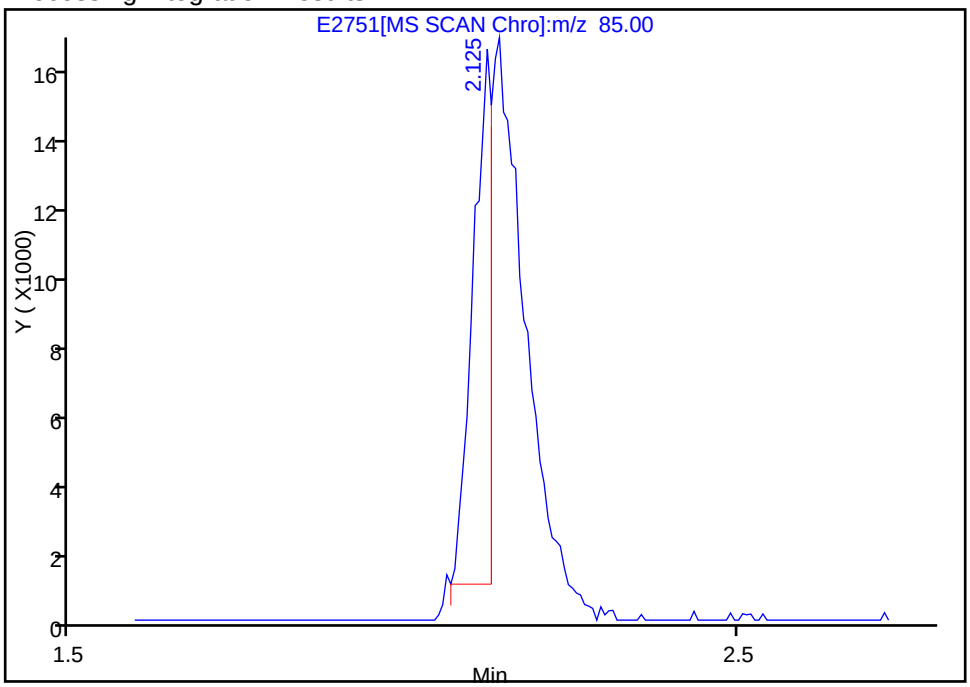
Lims Batch ID: 85337 Lims Sample ID: 2

Operator ID: WH

8 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 2.10

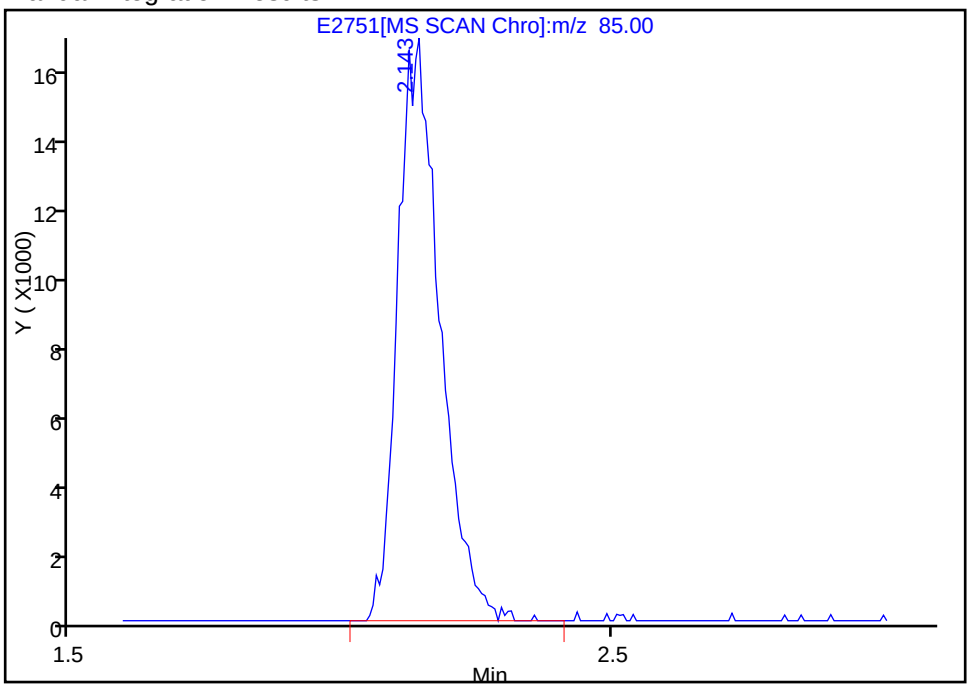
Processing Integration Results

RT: 2.12
Response: 30286
Amount: 0.000864



Manual Integration Results

RT: 2.14
Response: 91416
Amount: 5.457610



Reviewer: hobartw, 19-Aug-2011 08:12:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

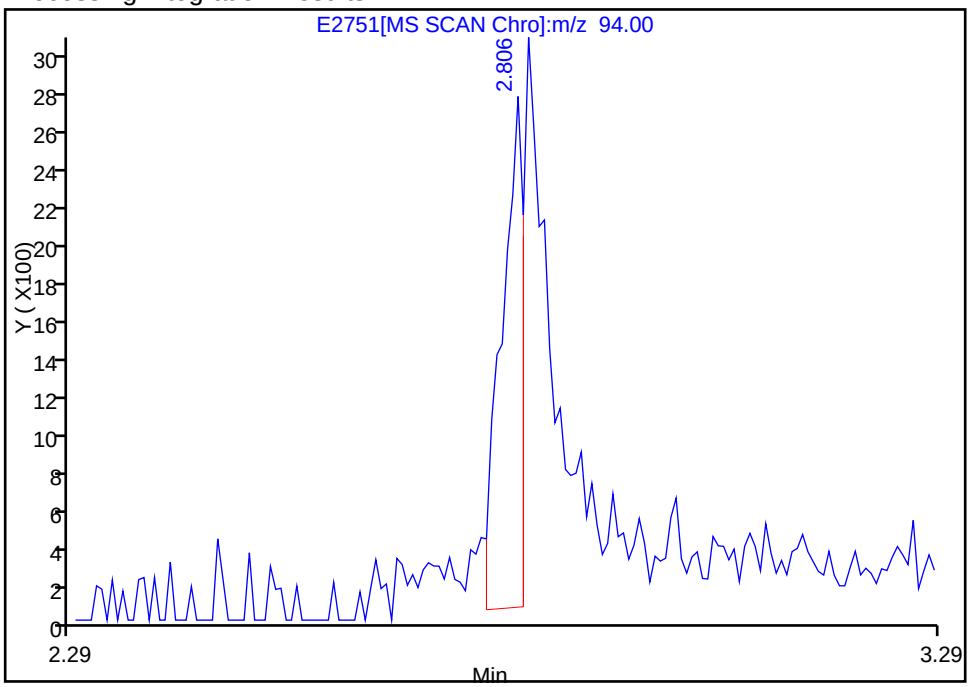
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D
Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 2
Operator ID: WH

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.78

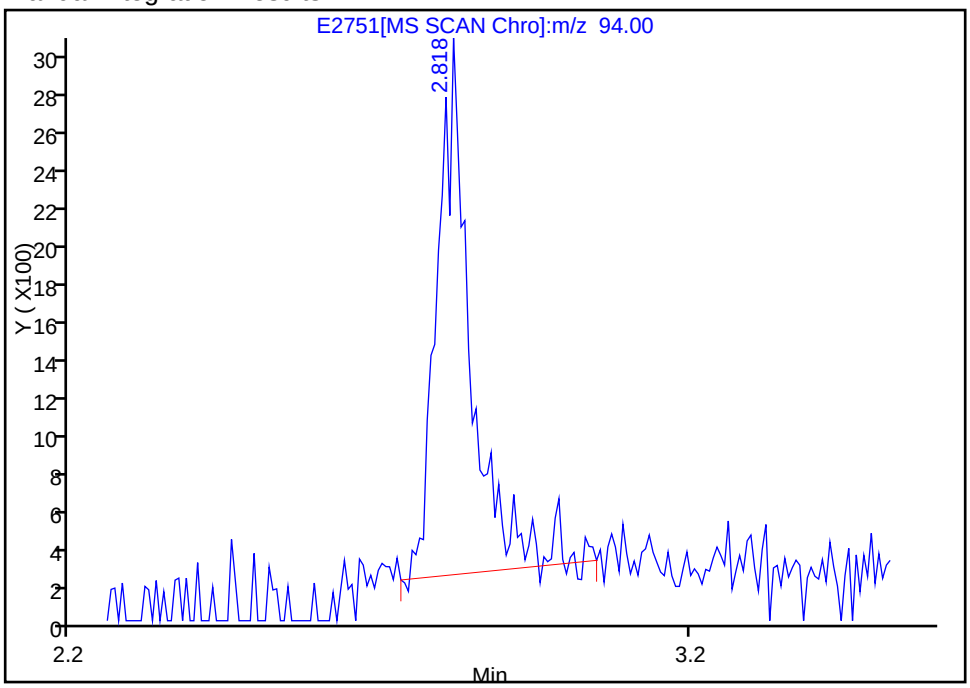
Processing Integration Results

RT: 2.81
Response: 4747
Amount: 0.000890



Manual Integration Results

RT: 2.82
Response: 10652
Amount: 2.748809



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 2

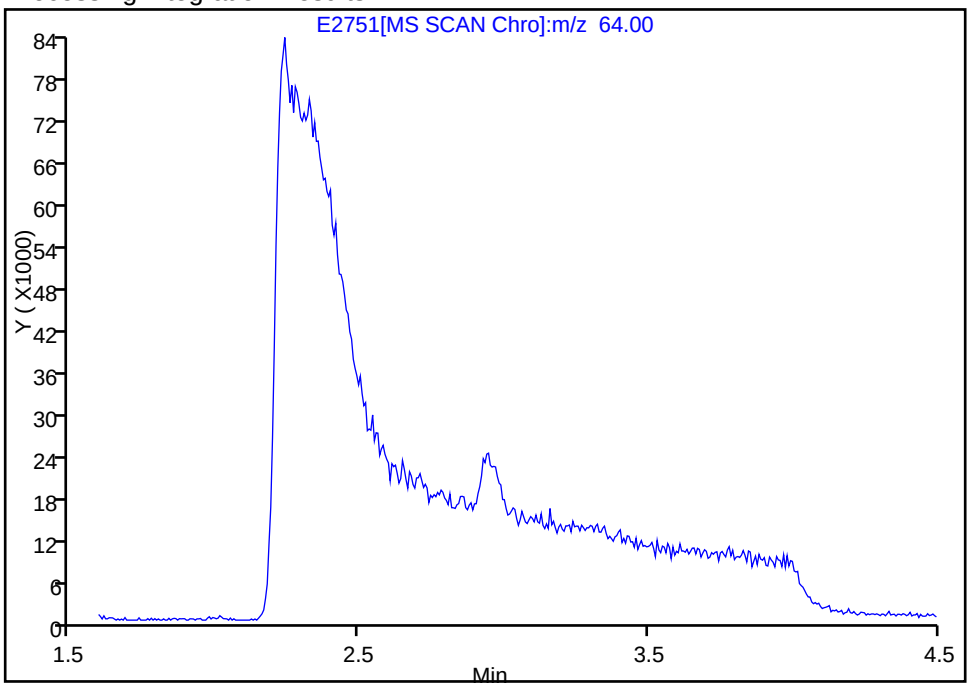
Operator ID: WH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.89

Not Detected

Expected RT: 2.89

Processing Integration Results

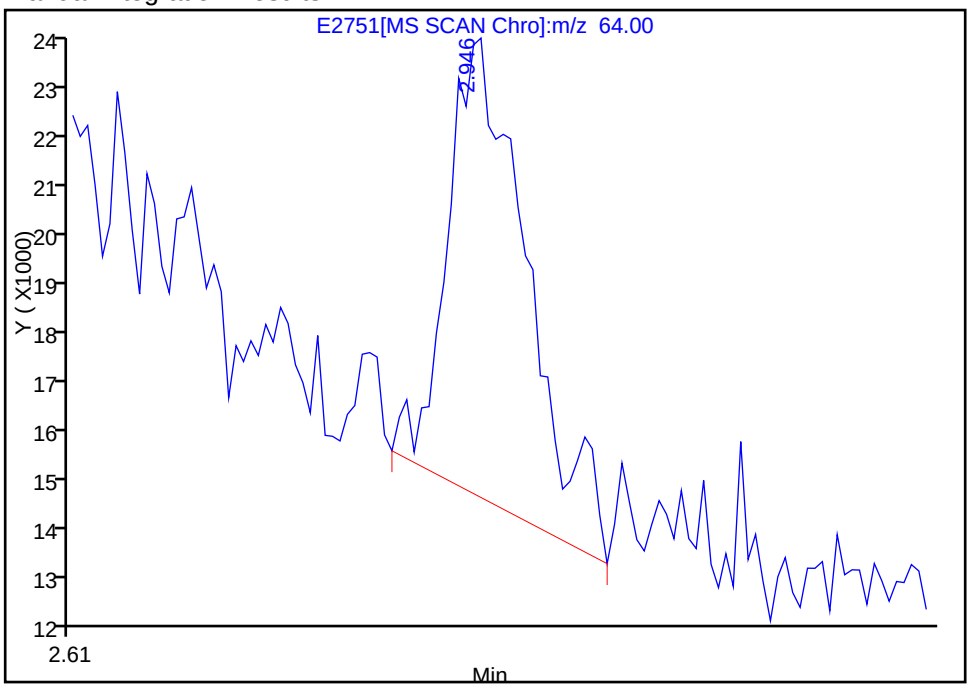


Manual Integration Results

RT: 2.95

Response: 41213

Amount: 4.558153



Reviewer: hobartw, 19-Aug-2011 08:37:47

Audit Action: Manually Integrated

Audit Reason: Baseline

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 2

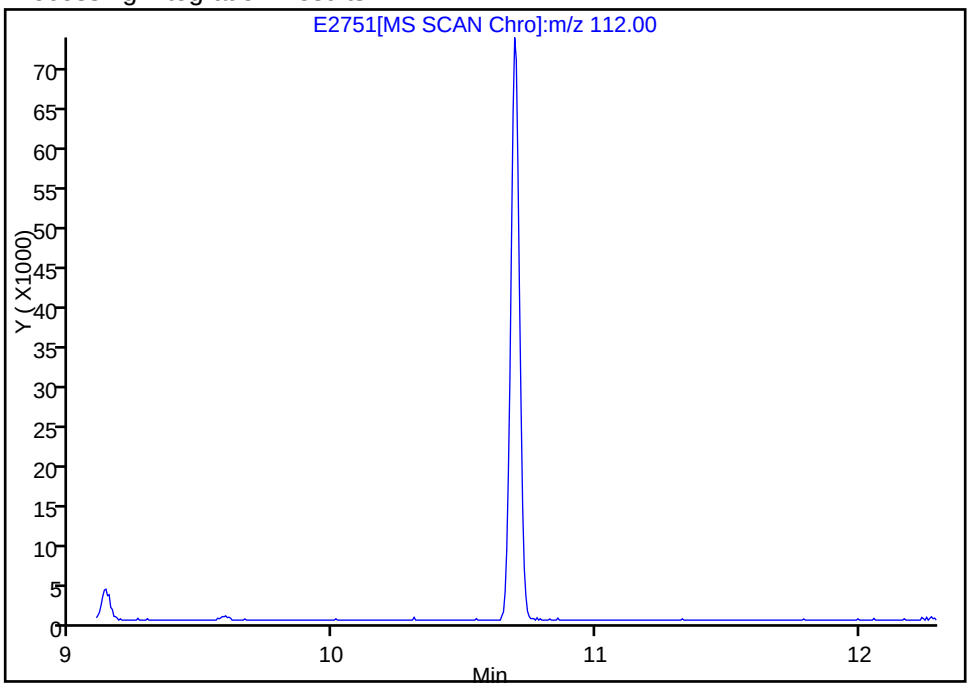
Operator ID: WH

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

Processing Integration Results

Not Detected

Expected RT: 10.69

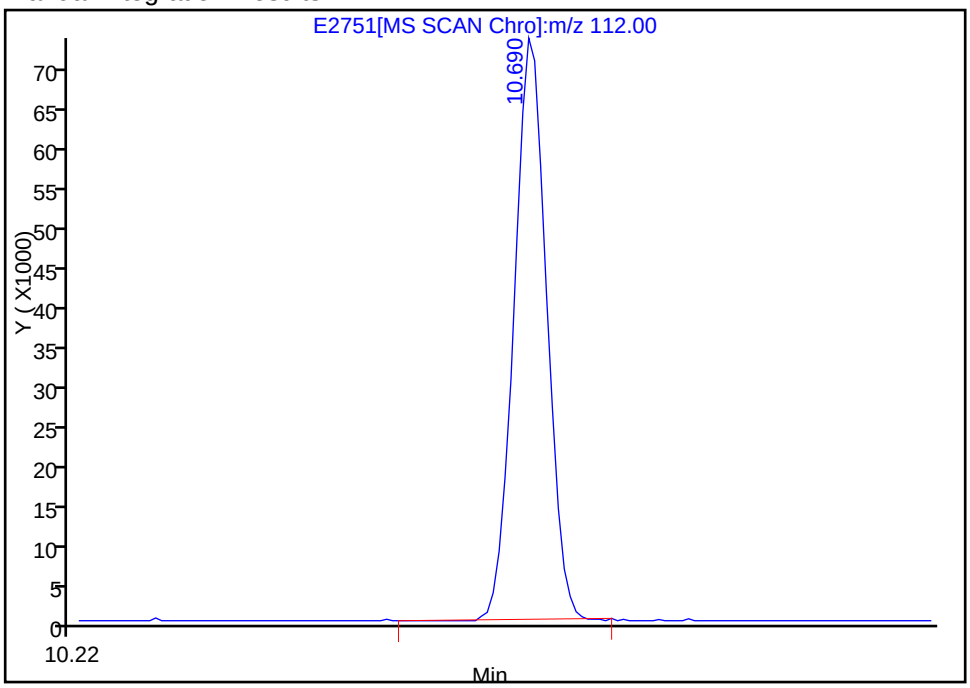


Manual Integration Results

RT: 10.69

Response: 169553

Amount: 5.011784



Reviewer: hobartw, 19-Aug-2011 08:12:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

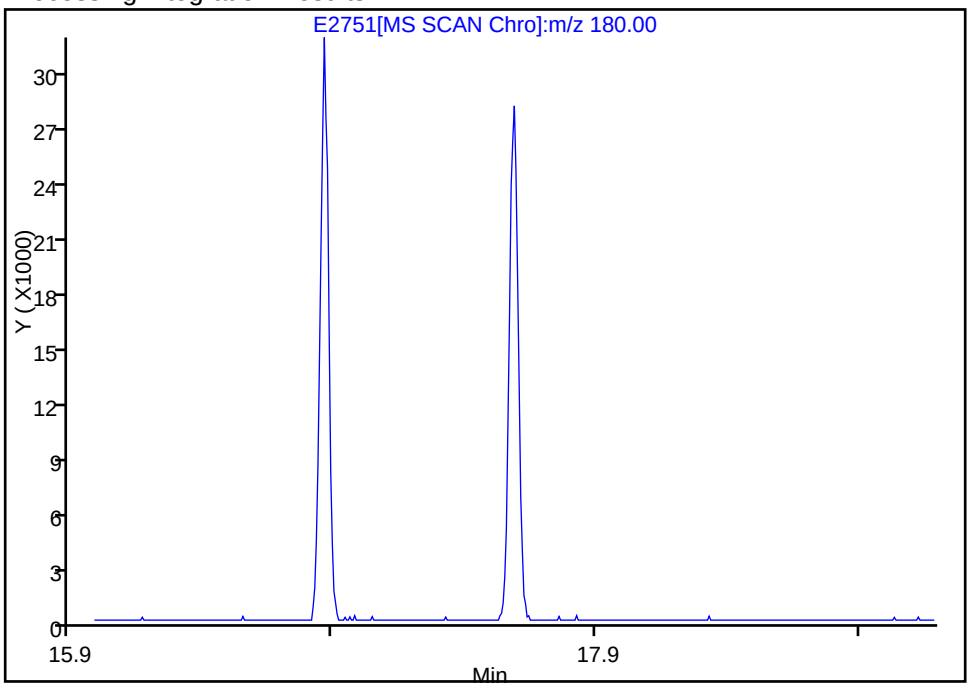
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

90 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 17.59

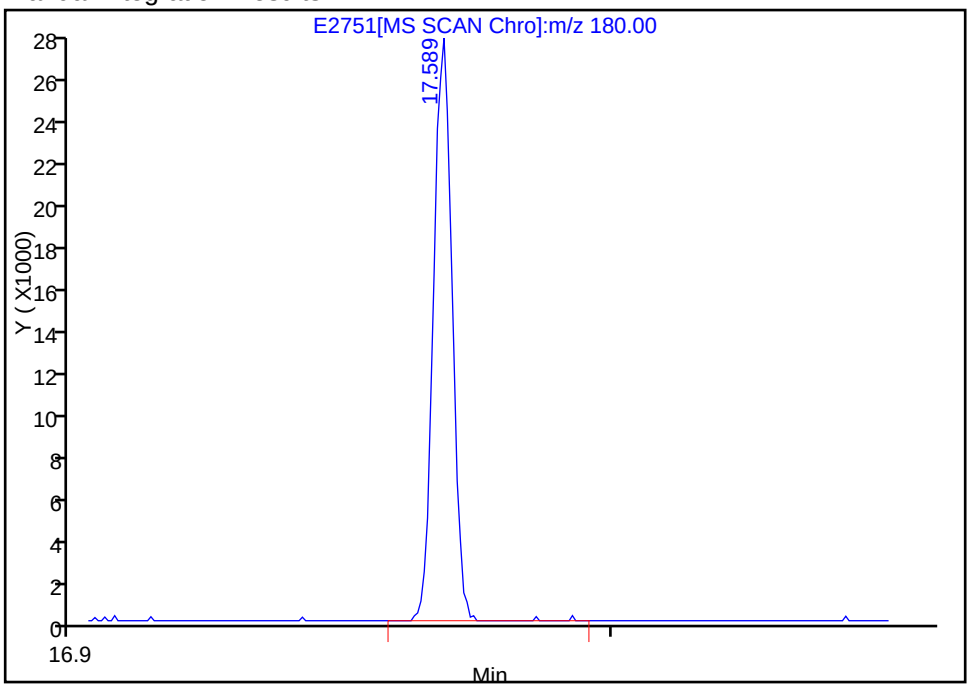
Processing Integration Results

Not Detected
Expected RT: 17.59



Manual Integration Results

RT: 17.59
Response: 67091
Amount: 5.432731



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D

Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

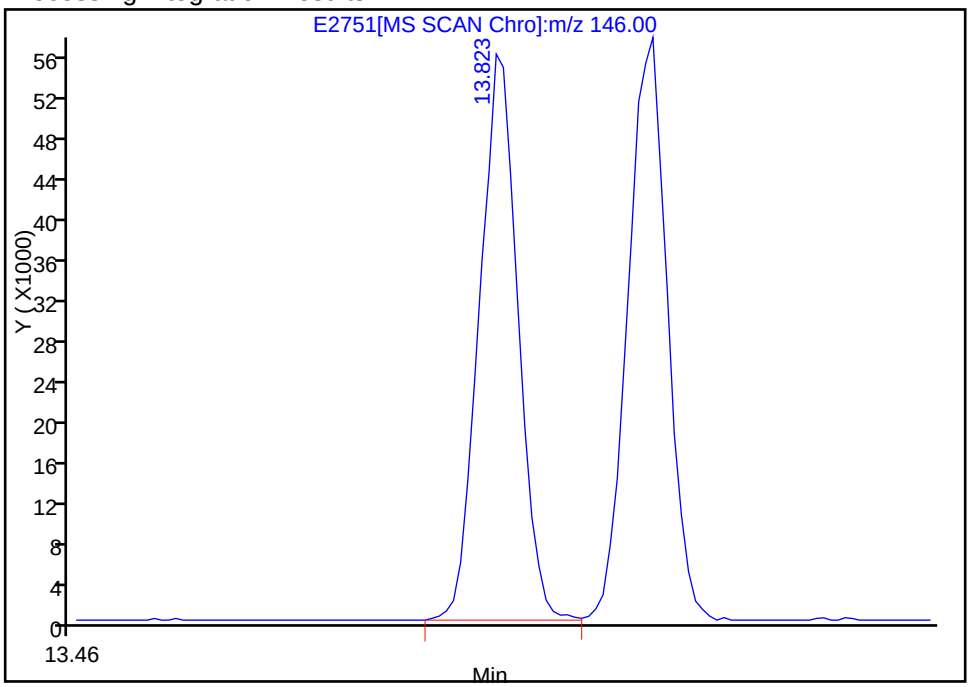
Lims Batch ID: 85337 Lims Sample ID: 2

Operator ID: WH

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

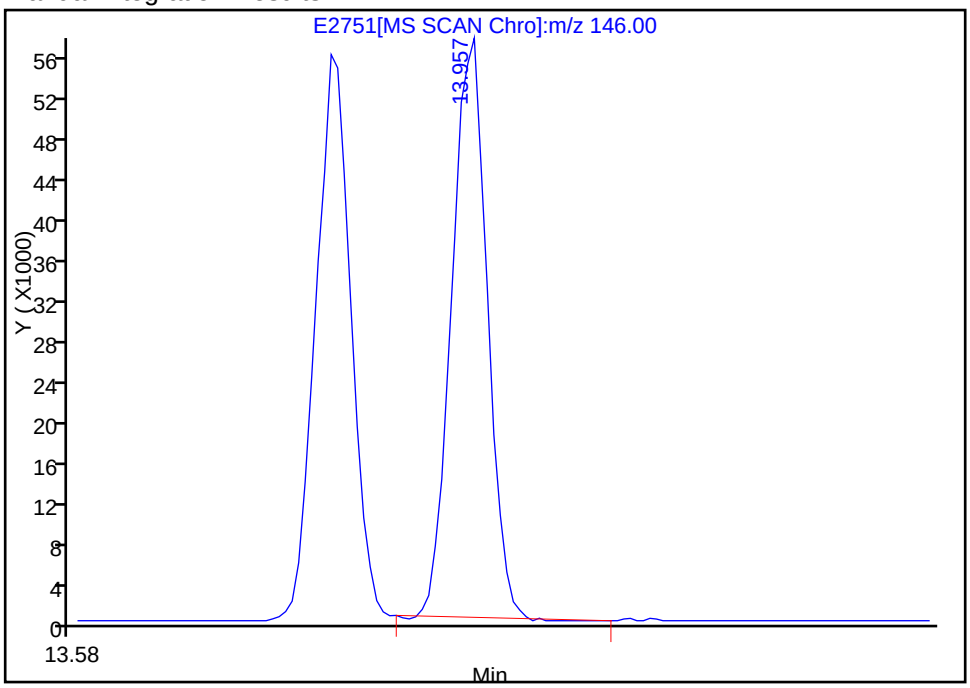
Processing Integration Results

RT: 13.82
Response: 127506
Amount: 6.097431



Manual Integration Results

RT: 13.96
Response: 130512
Amount: -1.168420



Reviewer: hobartw, 19-Aug-2011 08:12:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:39 Chrom Revision: 1.2 13-Jul-2011 10:43:06

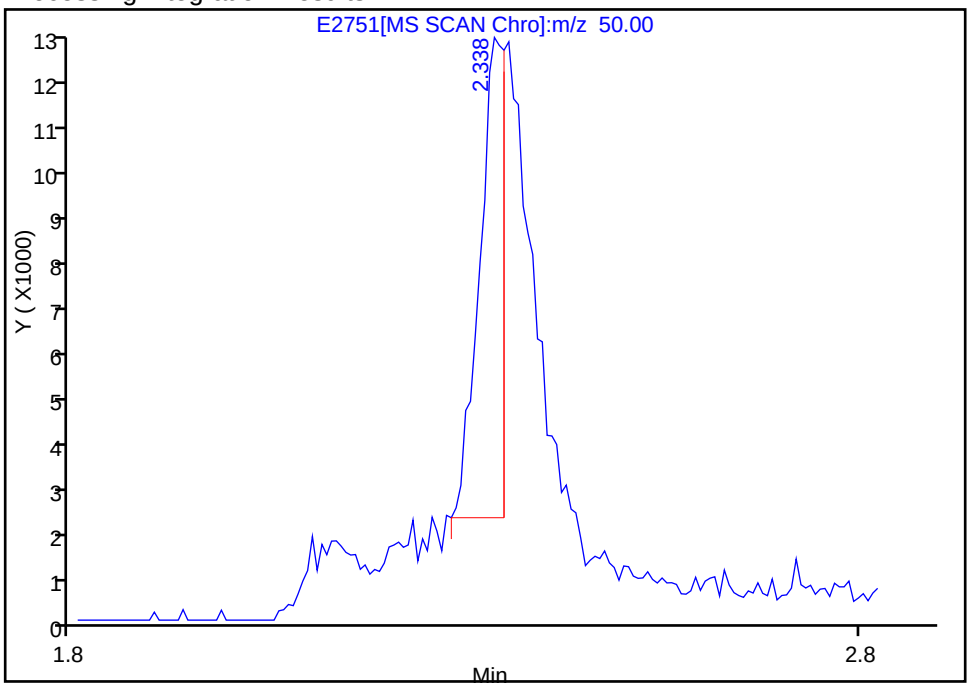
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

9 Chloromethane, Signal: 1, m/z: 50.0 Type: quant, RT: 2.31

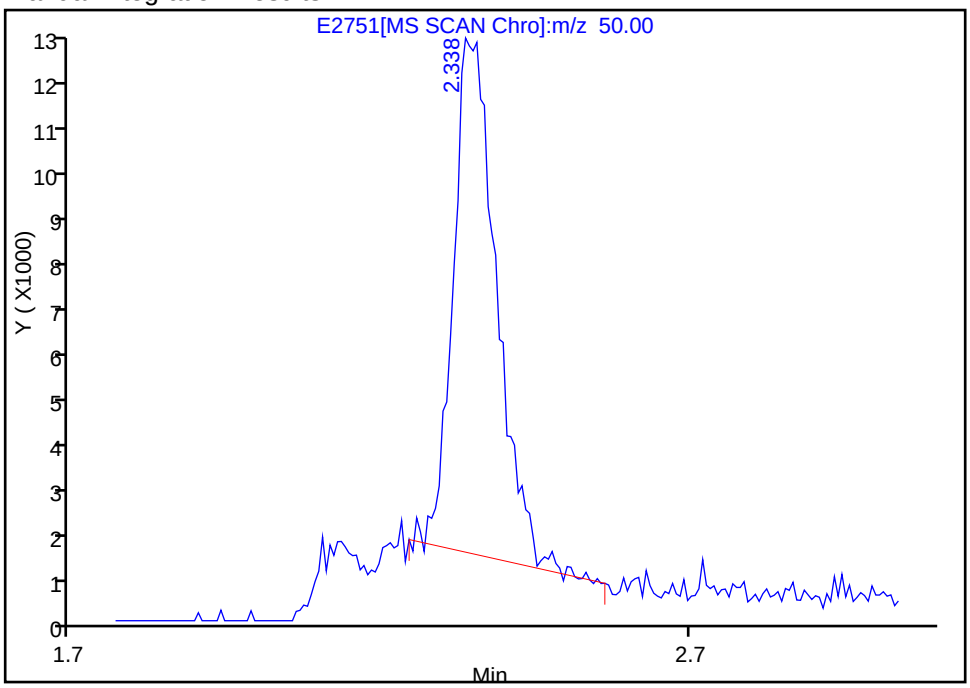
Processing Integration Results

RT: 2.34
Response: 22194
Amount: 0.001048



Manual Integration Results

RT: 2.34
Response: 52860
Amount: 5.160044



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

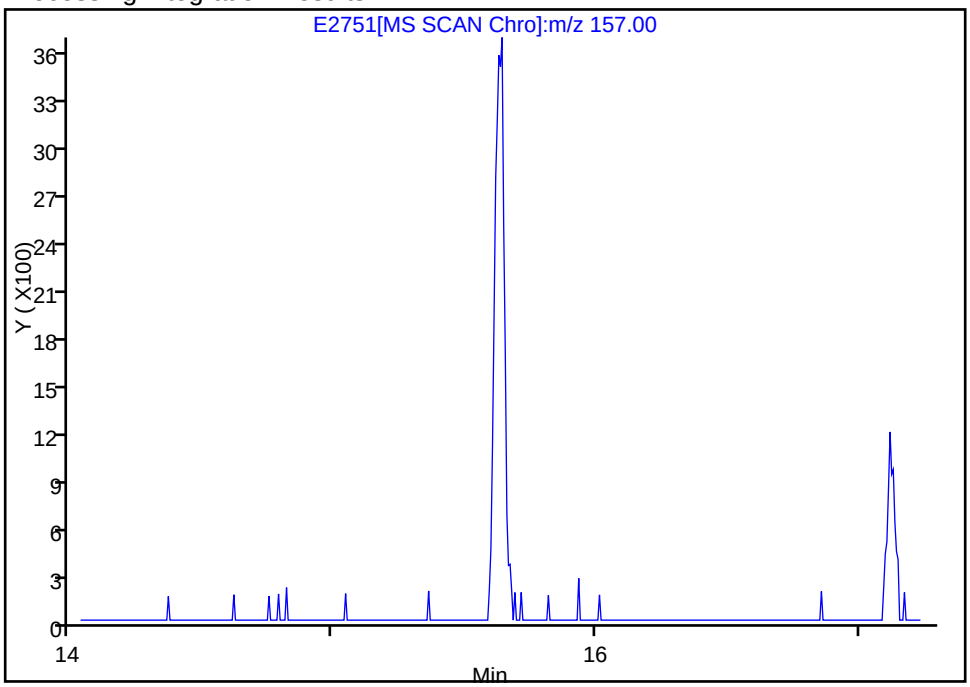
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D		
Injection Date:	19-Aug-2011 04:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	2
Operator ID:	WH		

86 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 15.63

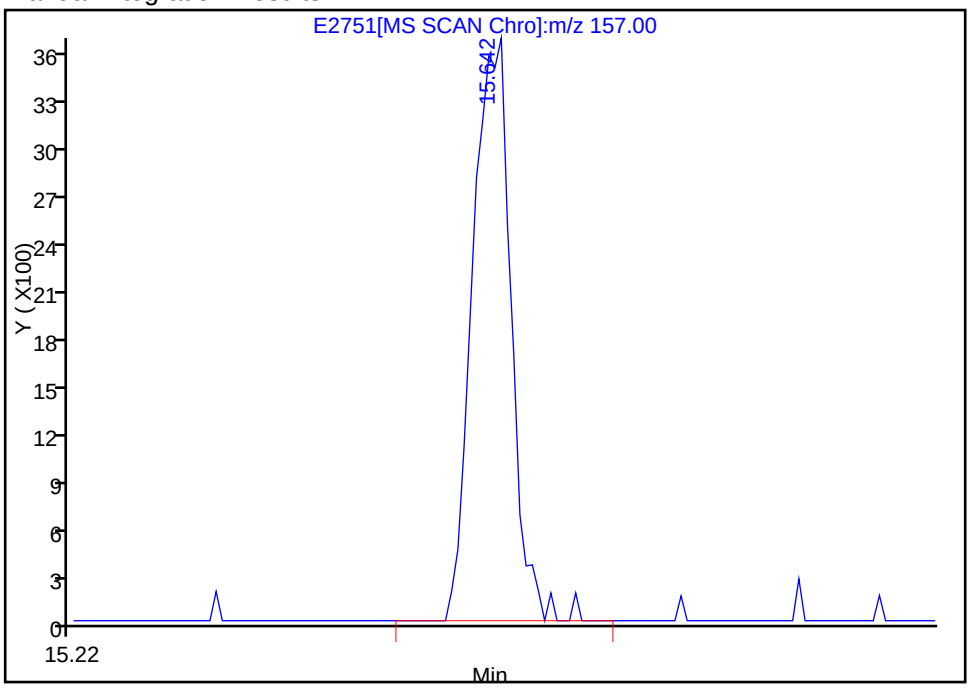
Processing Integration Results

Not Detected
Expected RT: 15.63



Manual Integration Results

RT: 15.64
Response: 9691
Amount: 5.589972



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:54:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

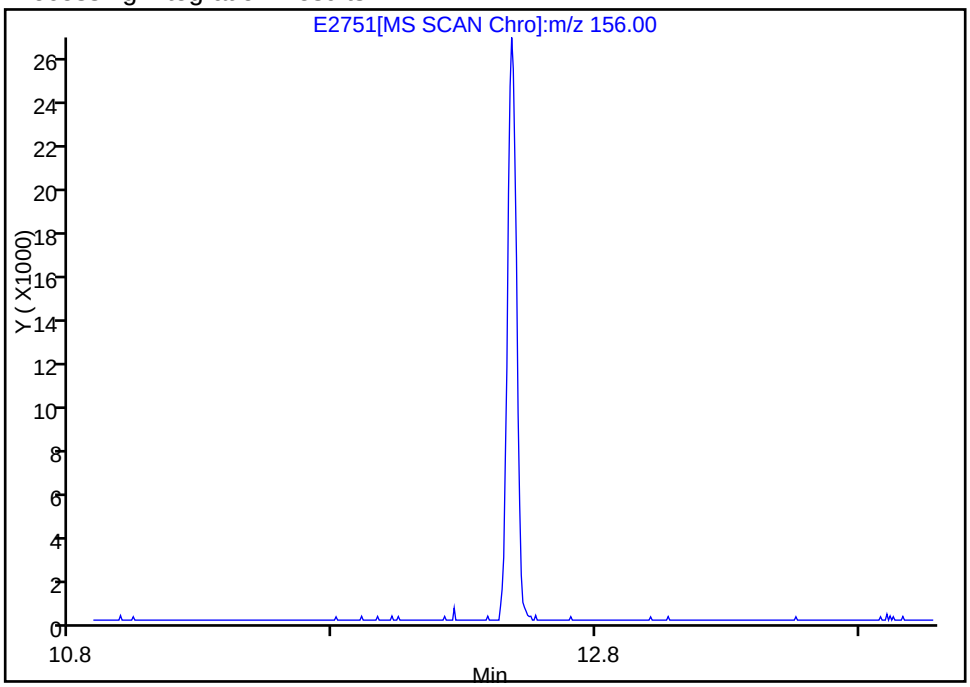
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2751.D
Injection Date: 19-Aug-2011 04:10:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 2
Operator ID: WH

70 Bromobenzene, Signal: 1, m/z: 156.0 Type: quant, RT: 12.48

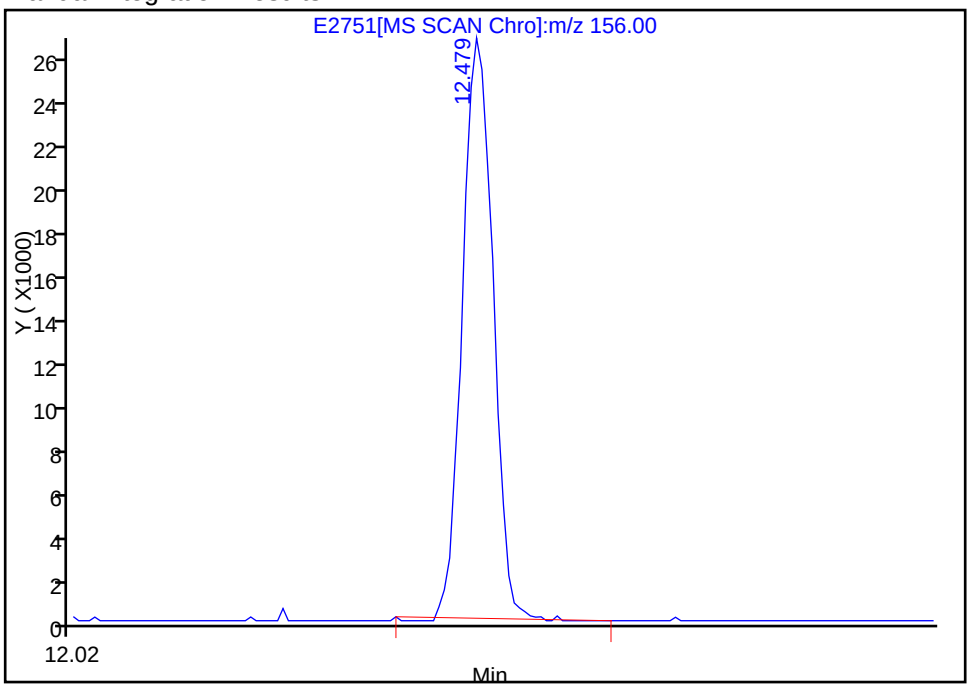
Processing Integration Results

Not Detected
Expected RT: 12.48



Manual Integration Results

RT: 12.48
Response: 63401
Amount: 5.417511



Reviewer: hobartw, 19-Aug-2011 08:12:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Lims ID:	std010	Client ID:	
Inject. Date:	19-Aug-2011 04:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD010		
Misc. Info.:	510-0005409-003 =510-0005409-003		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85337	Lims Sample ID:	3
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m		
Last Update:	20-Aug-2011 09:42:43	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hobartw		Date:	19-Aug-2011 08:15:09

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.916	6.916	0.0	97	1392548	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.651	0.001	86	1122131	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.918	0.0	96	620182	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.533	0.006	0	342011	49.0	
$ 6 Toluene-d8 (Surr)	98	8.790	8.789	0.001	93	1402995	49.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	86	592353	48.0	
8 Dichlorodifluoromethane	85	2.110	2.104	0.006	97	173728	11.6	
9 Chloromethane	50	2.323	2.311	0.012	98	112290	12.3	
10 Vinyl chloride	62	2.445	2.444	0.001	0	127060	11.3	M
11 Bromomethane	94	2.804	2.779	0.025	87	28211	8.40	
12 Chloroethane	64	2.932	2.895	0.037	97	100597	12.5	
13 Trichlorofluoromethane	101	3.205	3.174	0.031	96	211668	12.2	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.522	3.509	0.013	85	166119	12.0	
15 Acrolein	56	3.656	3.643	0.013	1	6461	11.3	M
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.765	3.752	0.013	71	86229	12.1	
16 1,1-Dichloroethene	96	3.765	3.752	0.013	88	98028	11.3	
18 Acetone	58	3.814	3.813	0.001	97	16072	7.25	
19 Iodomethane	142	3.929	3.929	0.0	94	49706	11.1	
20 Carbon disulfide	76	4.015	3.996	0.018	97	339142	6.47	
21 Methyl acetate	43	4.167	4.160	0.007	93	77473	10.8	
22 Methylene Chloride	84	4.282	4.282	0.0	80	101658	11.5	
23 2-Methyl-2-propanol	59	4.386	4.409	-0.023	95	37539	36.6	
24 Acrylonitrile	53	4.538	4.531	0.007	81	23935	9.79	
25 trans-1,2-Dichloroethene	96	4.568	4.561	0.007	73	111458	11.5	
26 Methyl tert-butyl ether	73	4.574	4.574	0.0	89	264883	12.2	
27 Hexane	57	4.866	4.860	0.006	92	111091	11.4	
28 1,1-Dichloroethane	63	5.012	5.012	0.0	86	196551	12.0	
29 Vinyl acetate	43	5.067	5.066	0.001	98	341944	22.4	
30 Isopropyl ether	45	5.091	5.091	0.0	1	284969	10.8	M
31 Tert-butyl ethyl ether	59	5.475	5.474	0.001	92	247163	11.6	

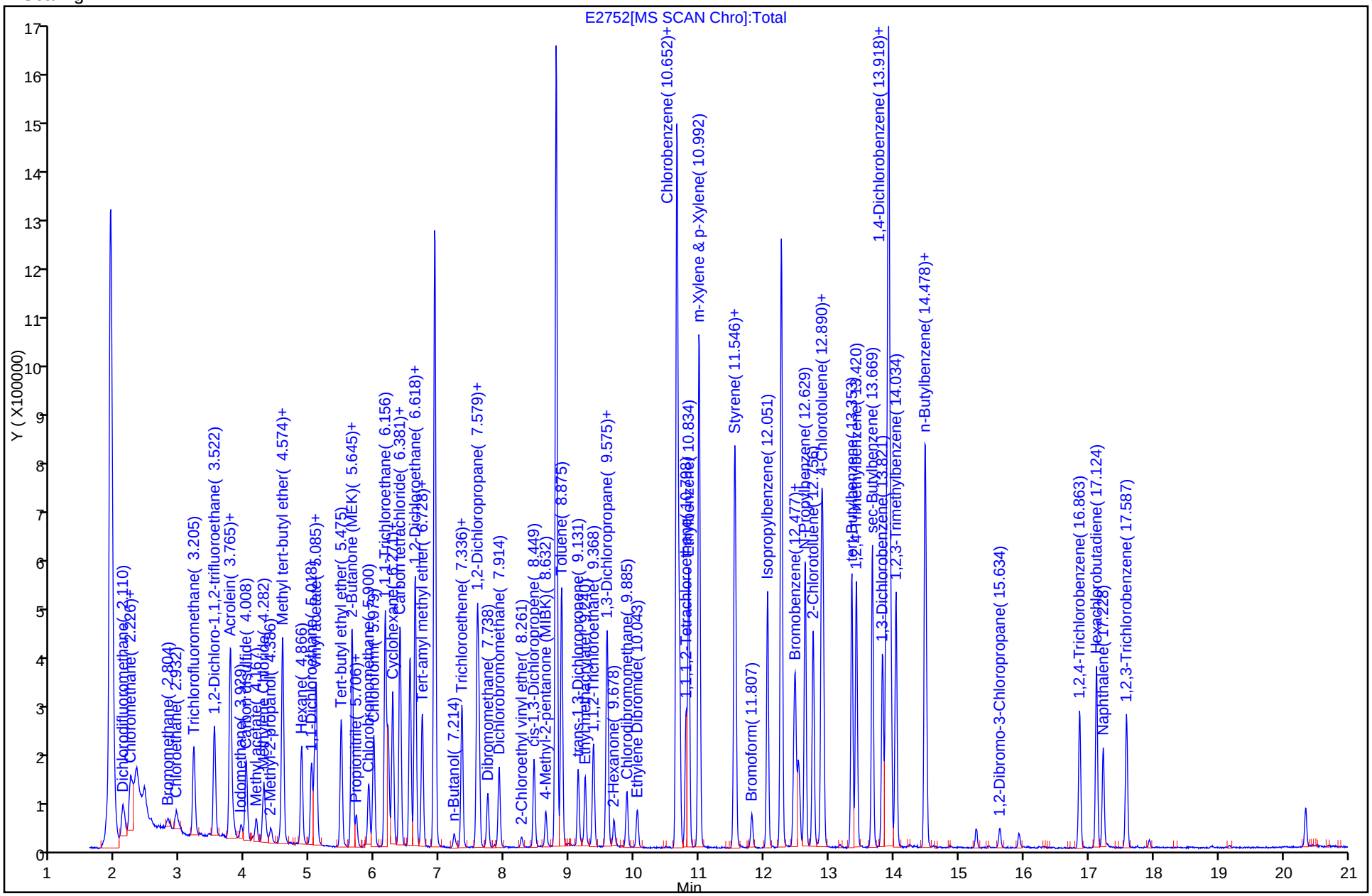
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.639	5.632	0.007	96	127766	11.5	
33 2,2-Dichloropropane	77	5.645	5.644	0.001	75	159176	11.0	
34 2-Butanone (MEK)	72	5.651	5.650	0.001	47	15147	9.90	
105 Ethyl acetate	43	5.712	5.705	0.007	0	77187	10.5	
93 Propionitrile	54	5.718	5.711	0.007	0	10008	10.9	
35 Chlorobromomethane	130	5.900	5.900	0.0	88	62030	11.1	
95 Tetrahydrofuran	42	6.271	5.963	0.308	0	36281	14.1	M
36 Chloroform	83	5.979	5.979	0.0	70	206526	6.90	
37 1,1,1-Trichloroethane	97	6.198	6.198	0.0	91	178071	11.4	
38 Cyclohexane	84	6.271	6.265	0.006	85	157164	11.1	
39 1,1-Dichloropropene	75	6.381	6.374	0.007	95	166449	11.2	
40 Carbon tetrachloride	117	6.387	6.387	0.0	88	155385	11.4	
41 Benzene	78	6.612	6.612	0.0	90	510033	10.4	
42 1,2-Dichloroethane	62	6.624	6.618	0.006	43	128967	11.3	
43 Isobutyl alcohol	41	6.728	6.721	0.007	40	35218	11.7	
44 Tert-amyl methyl ether	73	6.728	6.727	0.001	95	242631	11.2	
102 n-Butanol	56	7.214	7.226	-0.012	0	18754	102.1	
45 Trichloroethene	132	7.342	7.336	0.006	90	119935	11.3	
46 Methylcyclohexane	83	7.573	7.573	0.0	92	197201	11.0	
47 1,2-Dichloropropane	63	7.598	7.597	0.001	87	112232	11.4	
48 Dibromomethane	93	7.738	7.731	0.007	86	52452	10.9	
49 Dichlorobromomethane	83	7.914	7.907	0.007	96	138293	11.4	
50 2-Chloroethyl vinyl ether	63	8.255	8.254	0.001	80	11028	24.3	
54 cis-1,3-Dichloropropene	75	8.449	8.449	0.0	90	134066	10.4	
52 4-Methyl-2-pentanone (MIBK)	43	8.632	8.631	0.001	94	58227	10.0	
53 Toluene	91	8.875	8.875	0.0	74	520010	10.4	
51 trans-1,3-Dichloropropene	75	9.131	9.130	0.001	88	111747	10.1	
55 Ethyl methacrylate	69	9.240	9.234	0.006	78	105093	9.80	
56 1,1,2-Trichloroethane	83	9.362	9.367	-0.005	86	70408	11.2	
57 Tetrachloroethene	164	9.575	9.568	0.007	86	96207	11.3	
58 1,3-Dichloropropane	76	9.587	9.586	0.001	87	147518	11.3	
59 2-Hexanone	43	9.684	9.684	0.0	93	43915	9.48	
60 Chlorodibromomethane	129	9.885	9.878	0.007	86	79994	10.7	
61 Ethylene Dibromide	107	10.037	10.043	-0.006	98	68866	10.7	
62 Chlorobenzene	112	10.694	10.694	0.0	94	308872	10.9	
63 1,1,1,2-Tetrachloroethane	131	10.798	10.791	0.007	91	97573	11.0	
64 Ethylbenzene	91	10.834	10.834	0.0	97	537692	10.7	
65 m-Xylene & p-Xylene	91	10.992	10.998	-0.006	0	855773	20.6	
66 o-Xylene	91	11.540	11.539	0.001	91	412447	10.6	
67 Styrene	104	11.558	11.557	0.001	91	314476	11.9	
68 Bromoform	173	11.807	11.807	0.0	98	42179	9.75	
69 Isopropylbenzene	105	12.051	12.050	0.001	96	446635	10.6	
71 1,1,2,2-Tetrachloroethane	83	12.452	12.458	-0.006	90	99446	11.2	
70 Bromobenzene	156	12.477	12.482	-0.005	0	116876	11.3	M
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	38	104573	9.55	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.543	-0.006	36	19809	9.45	
74 N-Propylbenzene	91	12.635	12.634	0.001	97	644276	10.4	
75 2-Chlorotoluene	91	12.756	12.756	0.0	96	364560	12.0	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	34	419273	10.6	M
77 4-Chlorotoluene	91	12.909	12.908	0.001	93	441190	10.7	
78 tert-Butylbenzene	119	13.353	13.352	0.001	90	358330	11.5	
80 1,2,4-Trimethylbenzene	105	13.420	13.419	0.001	61	433344	10.7	

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	95	554874	10.5	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	96	231490	11.9	
79 4-Isopropyltoluene	119	13.876	13.881	-0.005	88	456369	10.7	
83 1,4-Dichlorobenzene	146	13.955	13.954	0.001	93	234131	6.72	M
99 1,2,3-Trimethylbenzene	105	14.034	14.033	0.001	0	426599	11.2	
84 n-Butylbenzene	91	14.478	14.478	0.0	95	437102	10.7	
85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	95	214270	6.91	
86 1,2-Dibromo-3-Chloropropane	157	15.640	15.633	0.007	0	13559	8.86	M
87 1,2,4-Trichlorobenzene	180	16.863	16.868	-0.005	93	125976	10.9	
88 Hexachlorobutadiene	225	17.124	17.124	0.0	0	102697	11.6	M
89 Naphthalene	128	17.228	17.227	0.001	97	232068	10.6	
90 1,2,3-Trichlorobenzene	180	17.587	17.586	0.001	0	122536	11.2	M
S 92 Total 1,2-dichloroethene	100				0		23.0	
S 91 Xylenes, Total	100				0		31.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D
Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 3
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

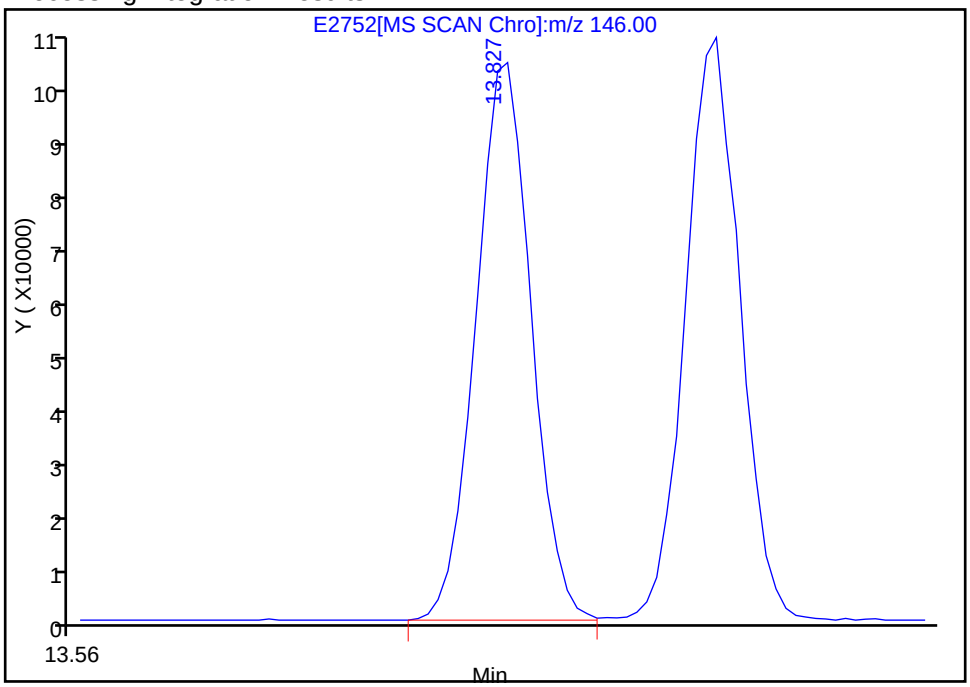
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Injection Date:	19-Aug-2011 04:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	3
Operator ID:	WH		

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

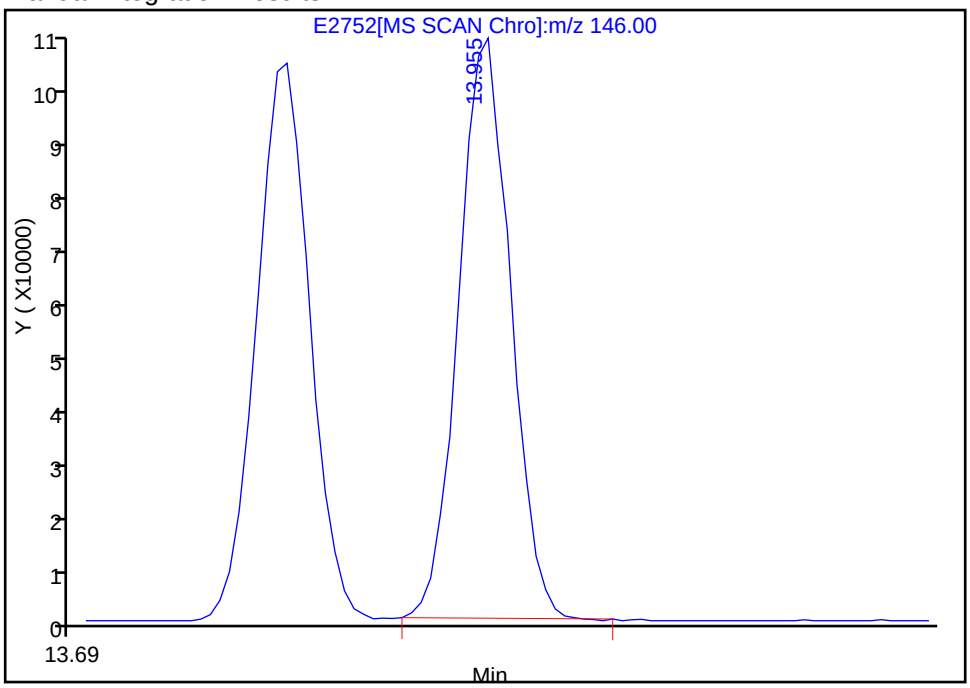
Processing Integration Results

RT: 13.83
Response: 231490
Amount: 12.474921



Manual Integration Results

RT: 13.95
Response: 234131
Amount: 6.718937



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

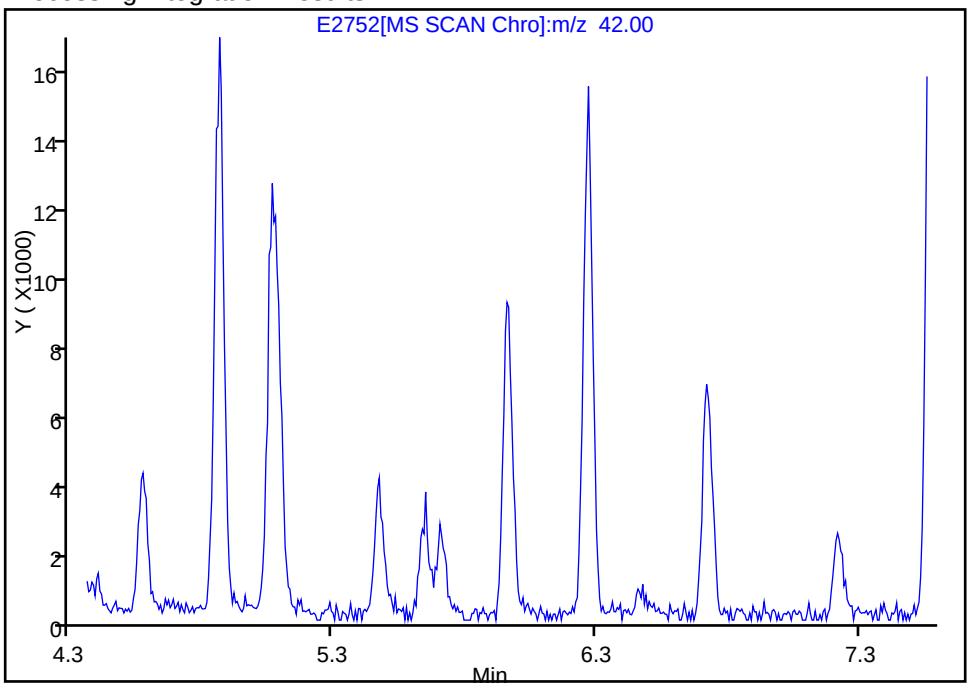
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Injection Date:	19-Aug-2011 04:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	3
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

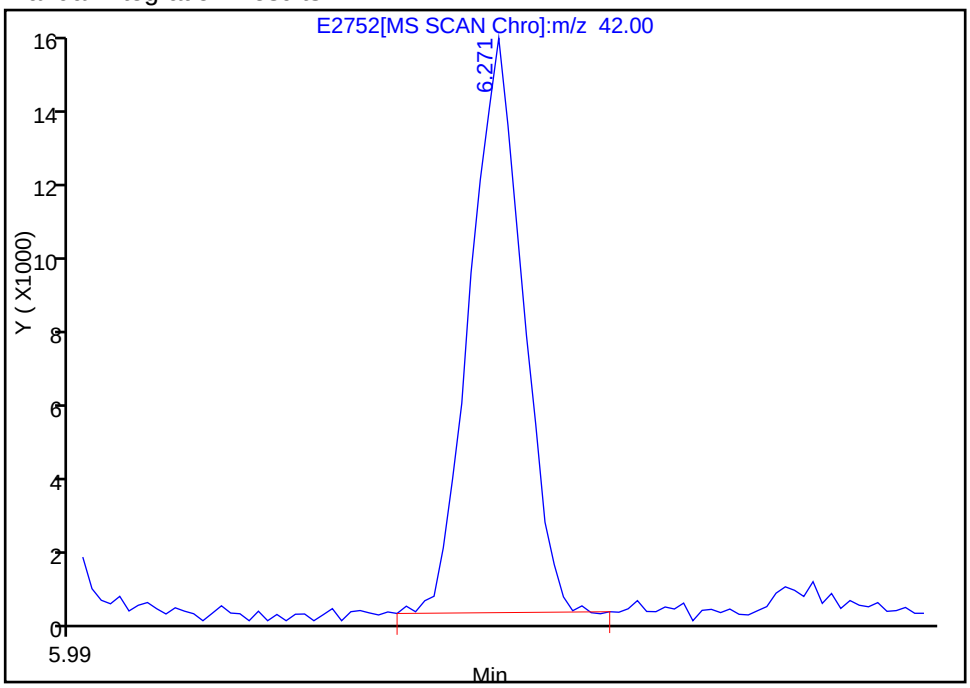
Processing Integration Results

Not Detected
Expected RT: 5.96



Manual Integration Results

RT: 6.27
Response: 36281
Amount: 14.087191



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D

Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 3

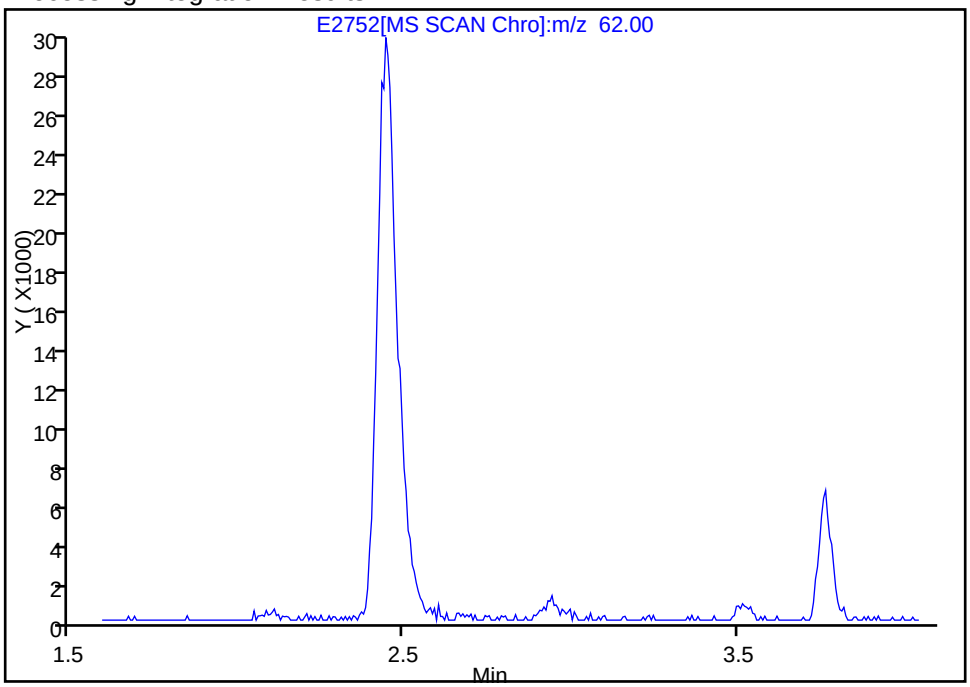
Operator ID: WH

10 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 2.44

Processing Integration Results

Not Detected

Expected RT: 2.44

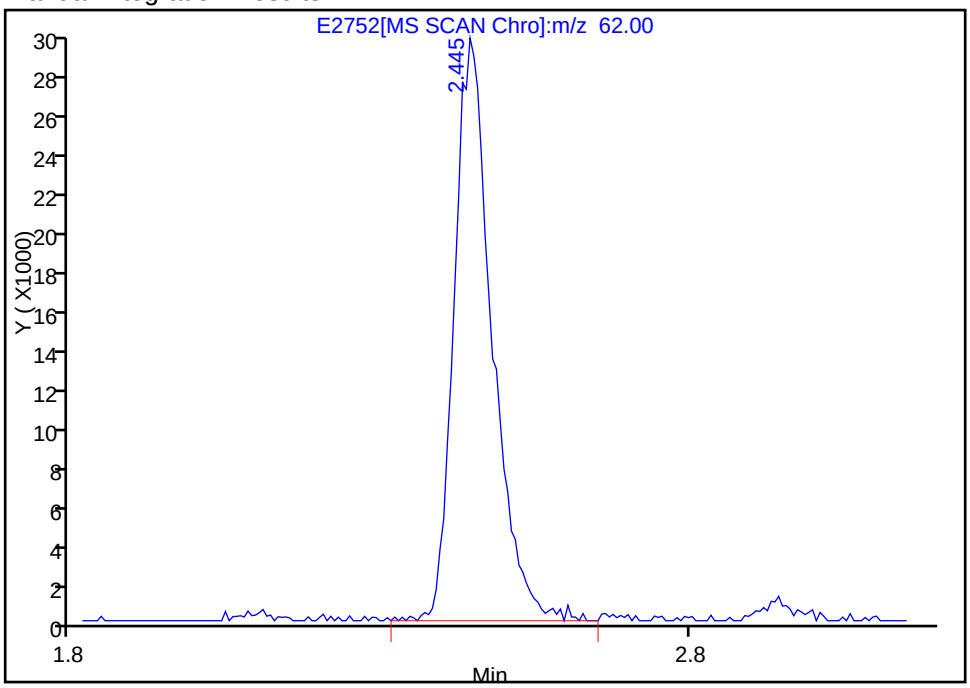


Manual Integration Results

RT: 2.44

Response: 127060

Amount: 11.267619



Reviewer: hobartw, 19-Aug-2011 08:15:09

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

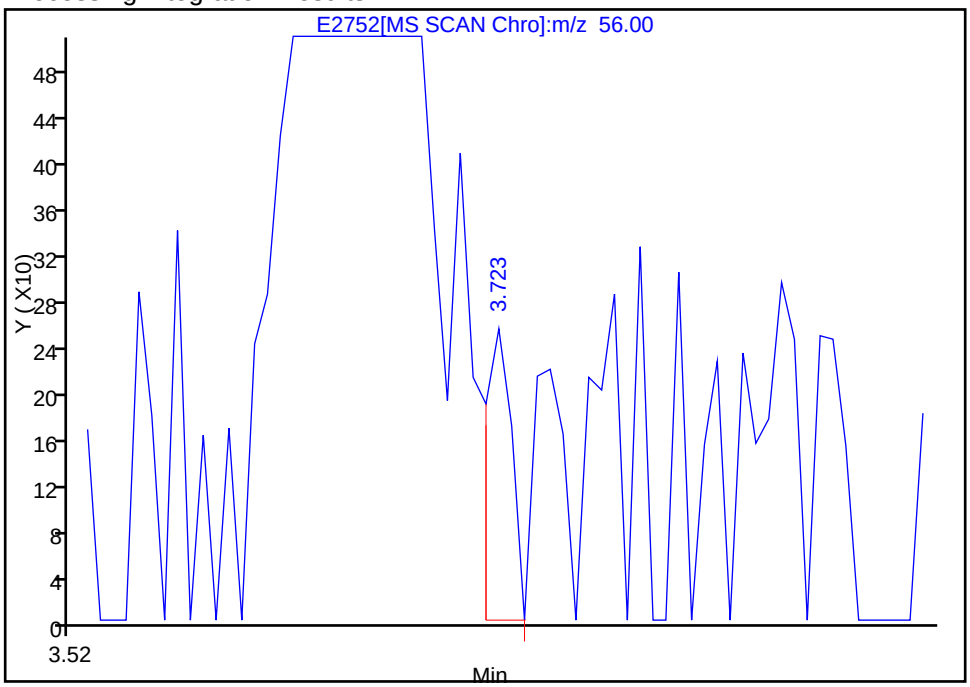
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Injection Date:	19-Aug-2011 04:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	3
Operator ID:	WH		

15 Acrolein, Signal: 1, m/z: 56.0 Type: quant, RT: 3.64

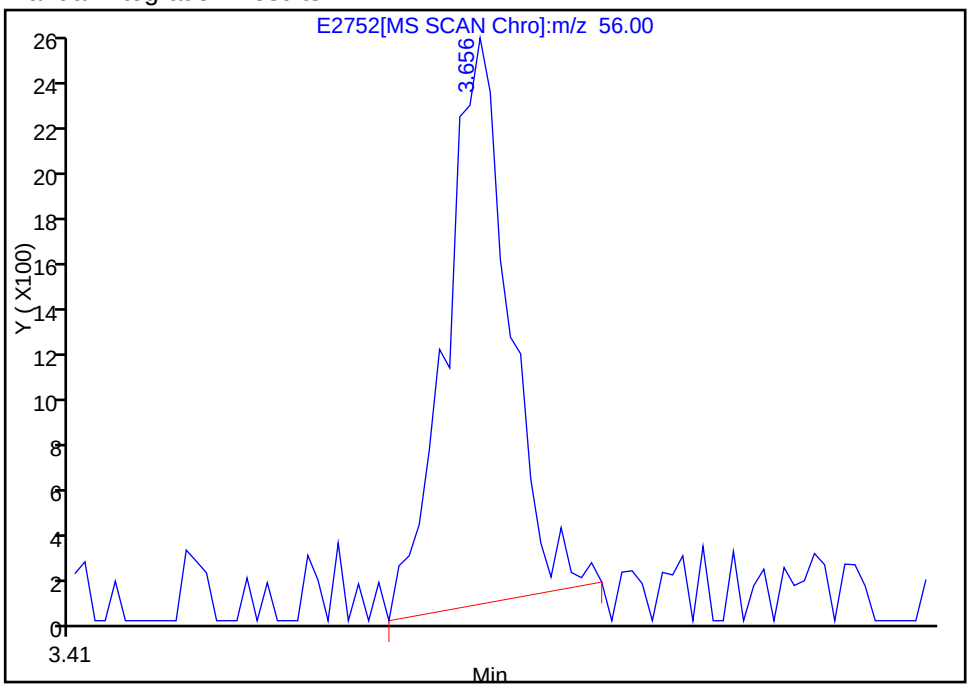
Processing Integration Results

RT: 3.72
Response: 221
Amount: 0.000279



Manual Integration Results

RT: 3.66
Response: 6461
Amount: 11.278941



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:45 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D

Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 3

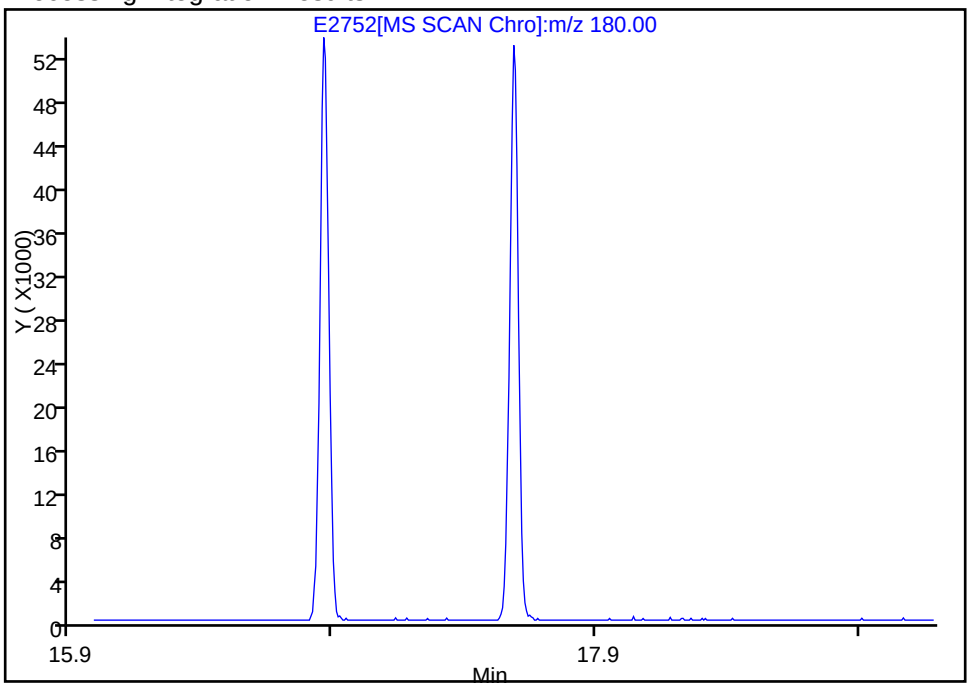
Operator ID: WH

90 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 17.59

Not Detected

Expected RT: 17.59

Processing Integration Results

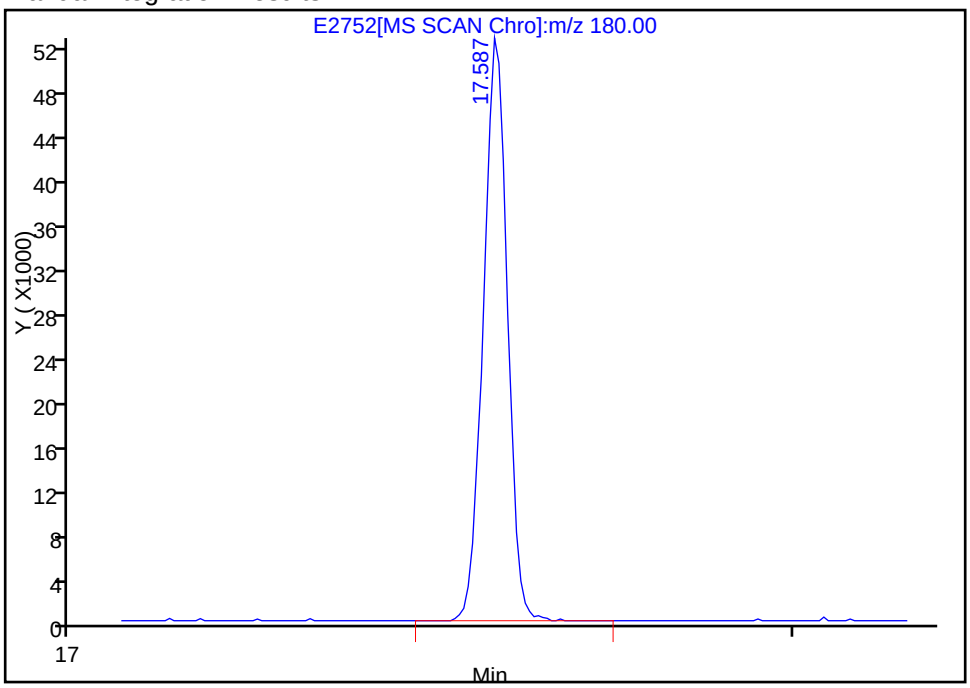


Manual Integration Results

RT: 17.59

Response: 122536

Amount: 11.245971



Reviewer: hobartw, 19-Aug-2011 08:15:09

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:45 Chrom Revision: 1.2 13-Jul-2011 10:43:06

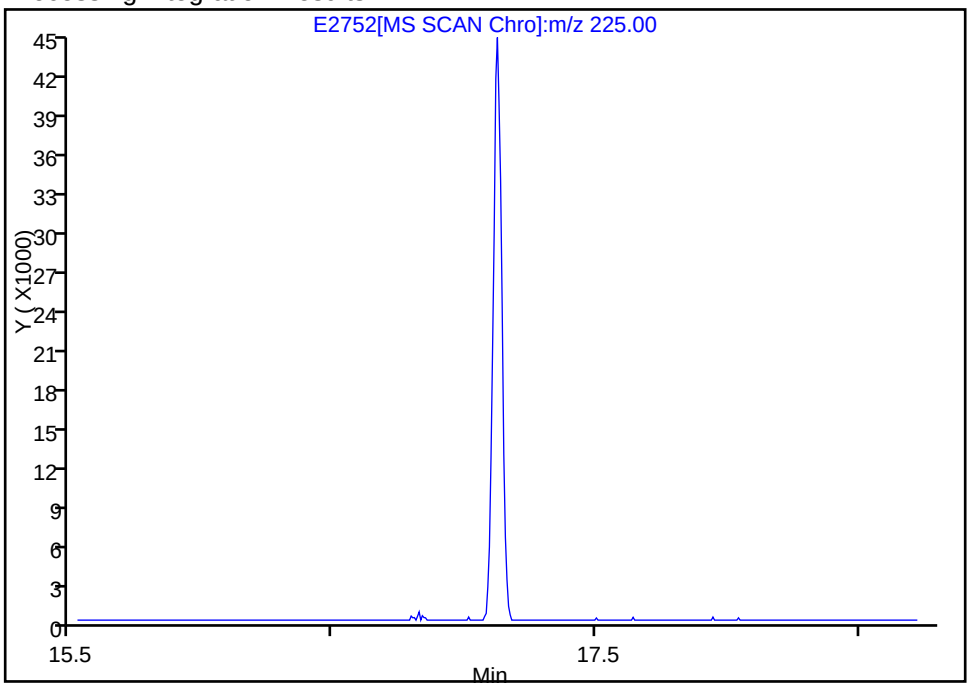
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D
Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 3
Operator ID: WH

88 Hexachlorobutadiene, Signal: 1, m/z: 225.0 Type: quant, RT: 17.12

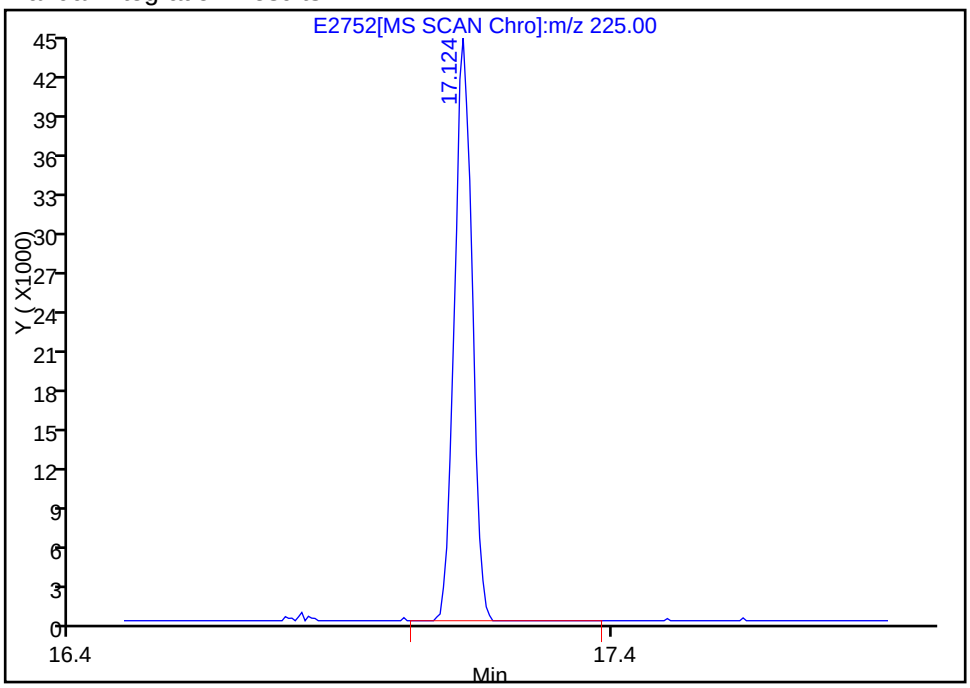
Not Detected
Expected RT: 17.12

Processing Integration Results



Manual Integration Results

RT: 17.12
Response: 102697
Amount: 11.591225



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

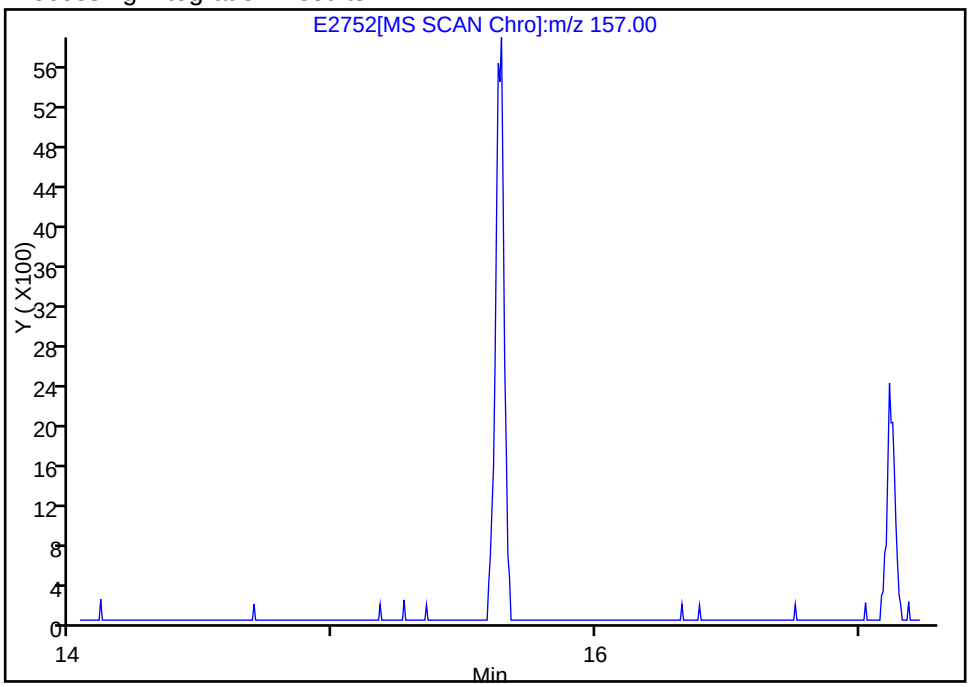
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D
Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 3
Operator ID: WH

86 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 15.63

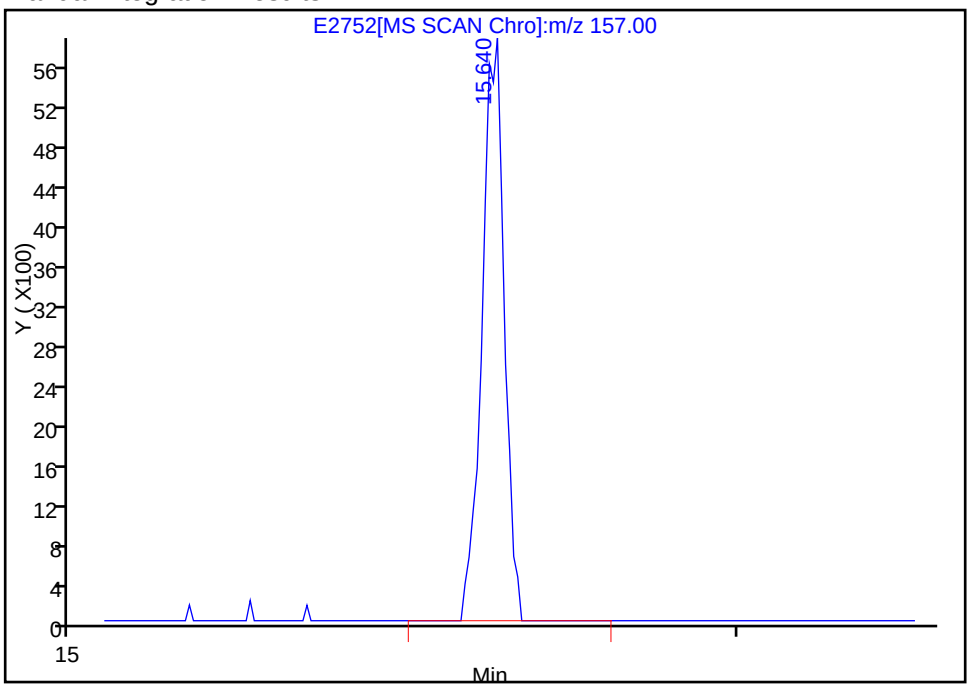
Processing Integration Results

Not Detected
Expected RT: 15.63



Manual Integration Results

RT: 15.64
Response: 13559
Amount: 8.864372



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

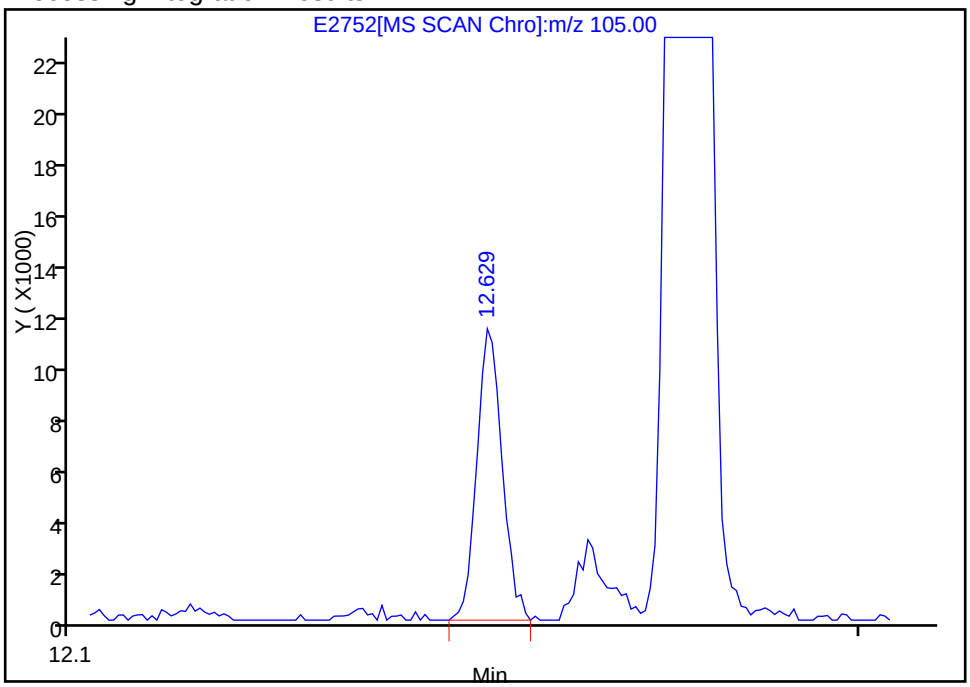
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Injection Date:	19-Aug-2011 04:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	3
Operator ID:	WH		

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

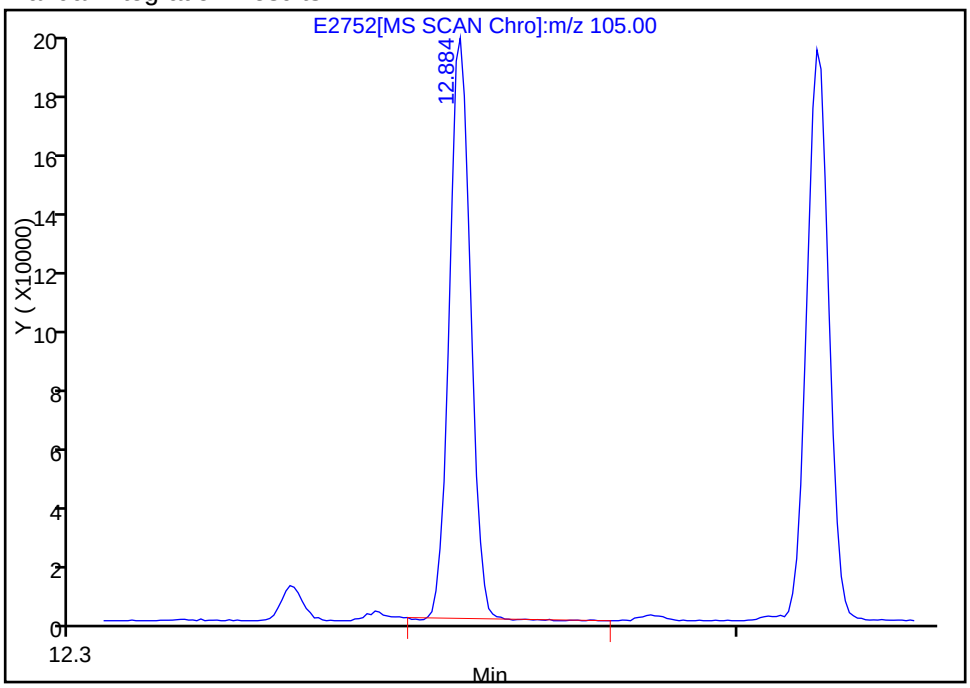
Processing Integration Results

RT: 12.63
Response: 25730
Amount: 0.063762



Manual Integration Results

RT: 12.88
Response: 419273
Amount: 10.558012



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

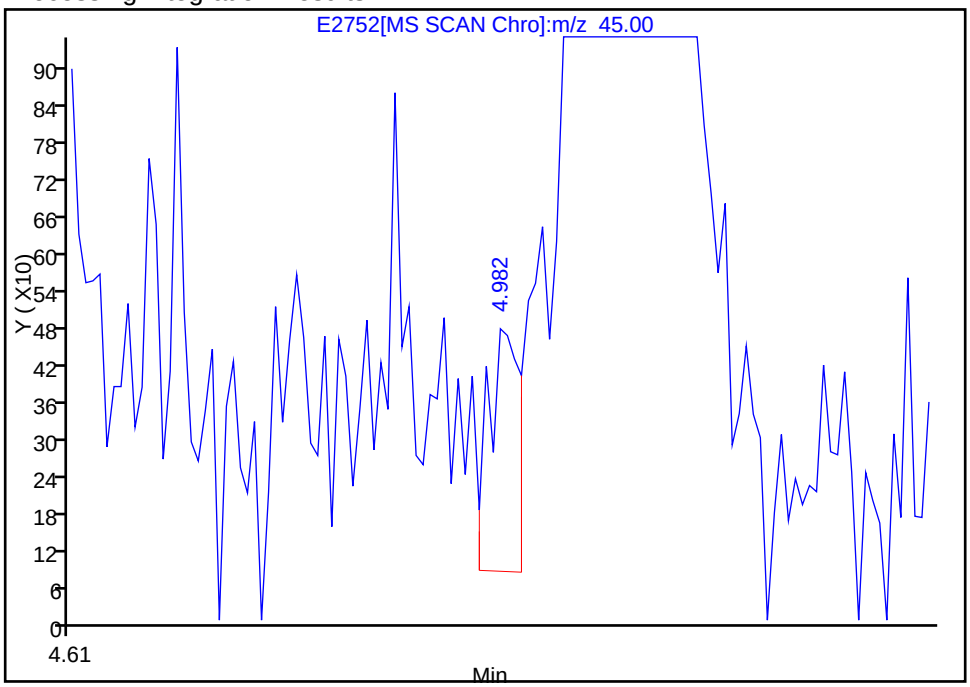
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D		
Injection Date:	19-Aug-2011 04:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	3
Operator ID:	WH		

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

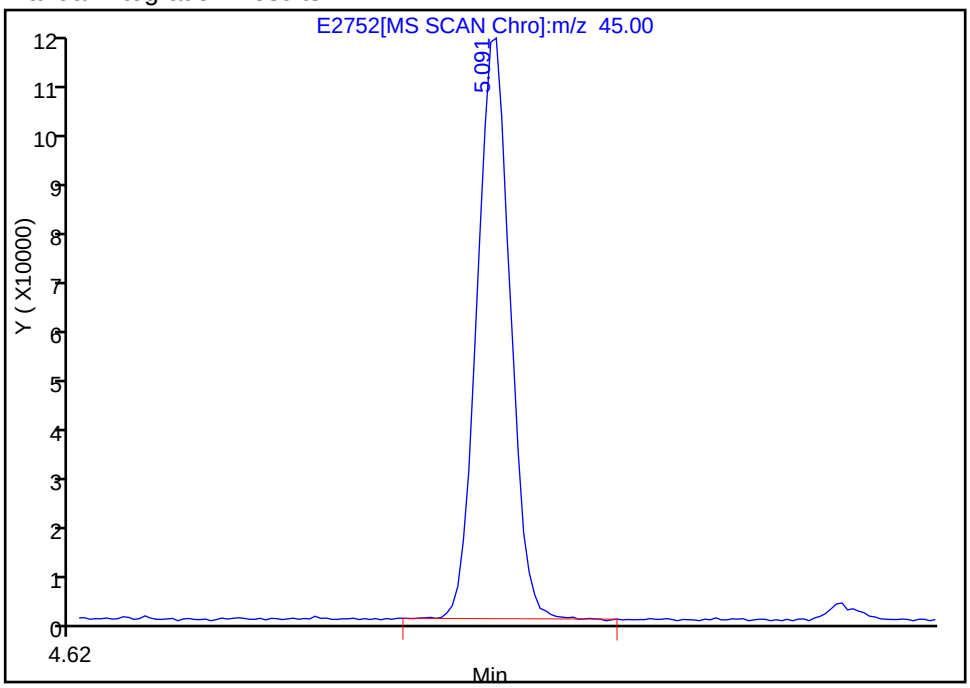
Processing Integration Results

RT: 4.98
Response: 755
Amount: 0.037004



Manual Integration Results

RT: 5.09
Response: 284969
Amount: 10.833628



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:42:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

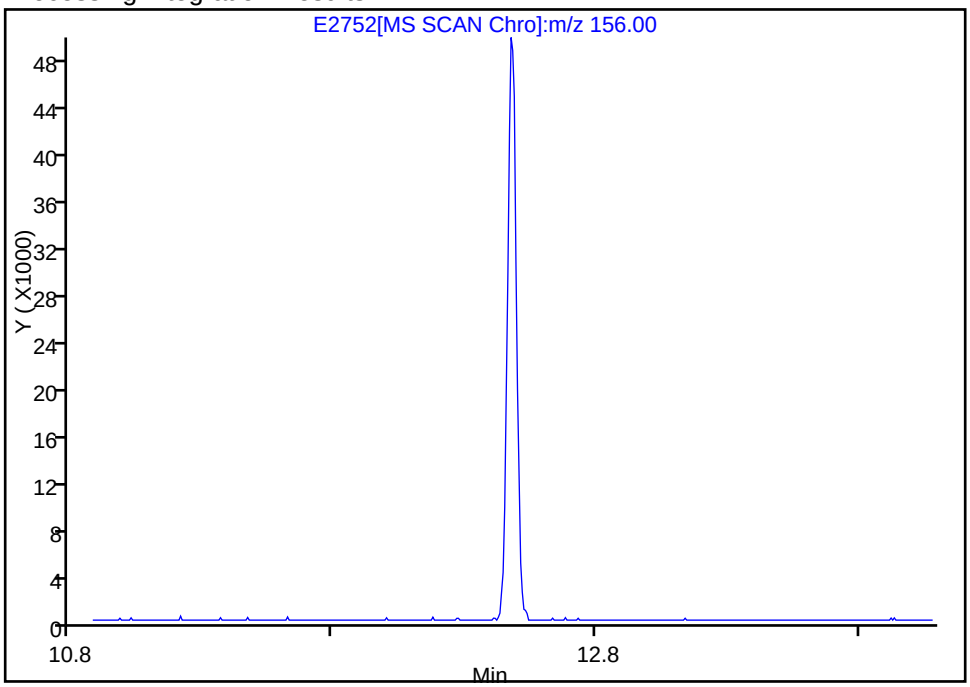
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2752.D
Injection Date: 19-Aug-2011 04:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 3
Operator ID: WH

70 Bromobenzene, Signal: 1, m/z: 156.0 Type: quant, RT: 12.48

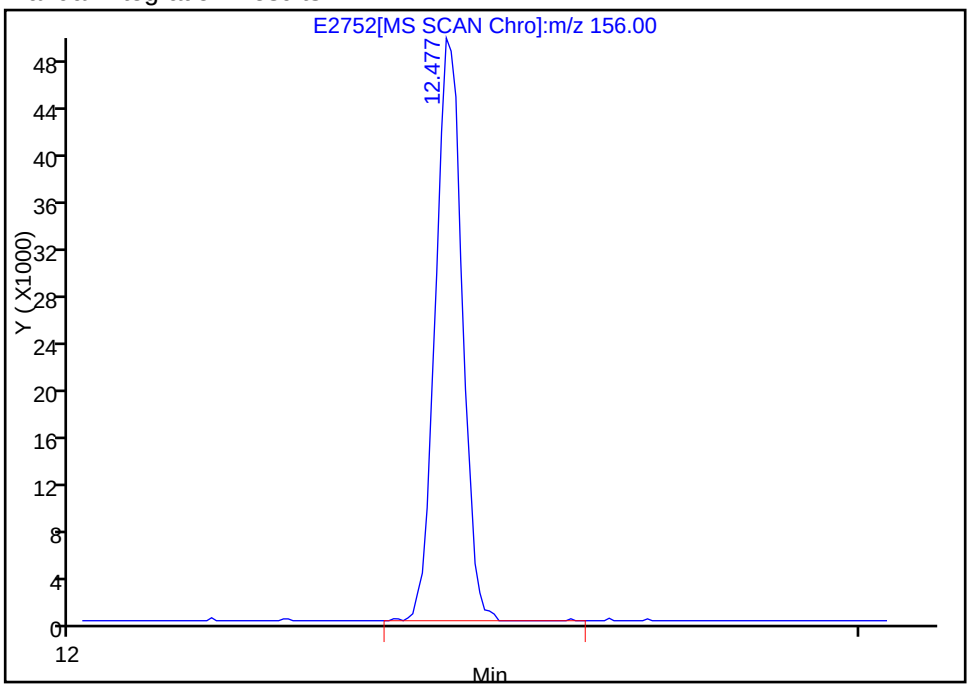
Processing Integration Results

Not Detected
Expected RT: 12.48



Manual Integration Results

RT: 12.48
Response: 116876
Amount: 11.319008



Reviewer: hobartw, 19-Aug-2011 08:15:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Lims ID:	std020	Client ID:	
Inject. Date:	19-Aug-2011 05:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD020		
Misc. Info.:	510-0005409-004 =510-0005409-004		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	85337	Lims Sample ID:	4
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m		
Last Update:	20-Aug-2011 09:41:25	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hobartw		Date:	19-Aug-2011 08:19:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.918	6.916	0.002	97	1397831	50.0	
* 2 Chlorobenzene-d5	117	10.653	10.651	0.002	86	1111574	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.920	13.918	0.002	95	608972	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.535	6.533	0.002	0	357124	50.9	
$ 6 Toluene-d8 (Surr)	98	8.792	8.789	0.003	93	1409394	49.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.265	12.263	0.002	87	590630	48.7	
8 Dichlorodifluoromethane	85	2.112	2.104	0.008	89	318258	21.2	
9 Chloromethane	50	2.319	2.311	0.008	82	178554	19.5	
10 Vinyl chloride	62	2.440	2.444	-0.004	0	229350	20.3	M
11 Bromomethane	94	2.812	2.779	0.033	88	83401	25.5	M
12 Chloroethane	64	2.933	2.895	0.038	93	146009	18.1	M
13 Trichlorofluoromethane	101	3.201	3.174	0.027	79	380332	21.8	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.517	3.509	0.008	86	295429	21.3	
15 Acrolein	56	3.651	3.643	0.008	83	12371	21.5	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.767	3.752	0.015	71	152267	21.2	
16 1,1-Dichloroethene	96	3.767	3.752	0.015	88	179829	20.6	
18 Acetone	58	3.821	3.813	0.008	90	26684	20.5	
19 Iodomethane	142	3.937	3.929	0.008	96	98842	19.2	
20 Carbon disulfide	76	4.010	3.996	0.014	99	603435	18.5	
21 Methyl acetate	43	4.168	4.160	0.008	94	148898	20.6	
22 Methylene Chloride	84	4.290	4.282	0.008	80	176334	19.9	
23 2-Methyl-2-propanol	59	4.393	4.409	-0.016	95	70468	78.5	
24 Acrylonitrile	53	4.533	4.531	0.002	97	44423	21.0	
25 trans-1,2-Dichloroethene	96	4.576	4.561	0.015	71	199309	20.5	
26 Methyl tert-butyl ether	73	4.576	4.574	0.002	89	470461	21.6	
27 Hexane	57	4.862	4.860	0.002	95	205255	21.0	
28 1,1-Dichloroethane	63	5.014	5.012	0.002	97	345980	21.0	
29 Vinyl acetate	43	5.068	5.066	0.002	98	604691	39.2	
30 Isopropyl ether	45	5.087	5.091	-0.004	1	497599	19.0	M
31 Tert-butyl ethyl ether	59	5.476	5.474	0.002	91	446085	20.9	

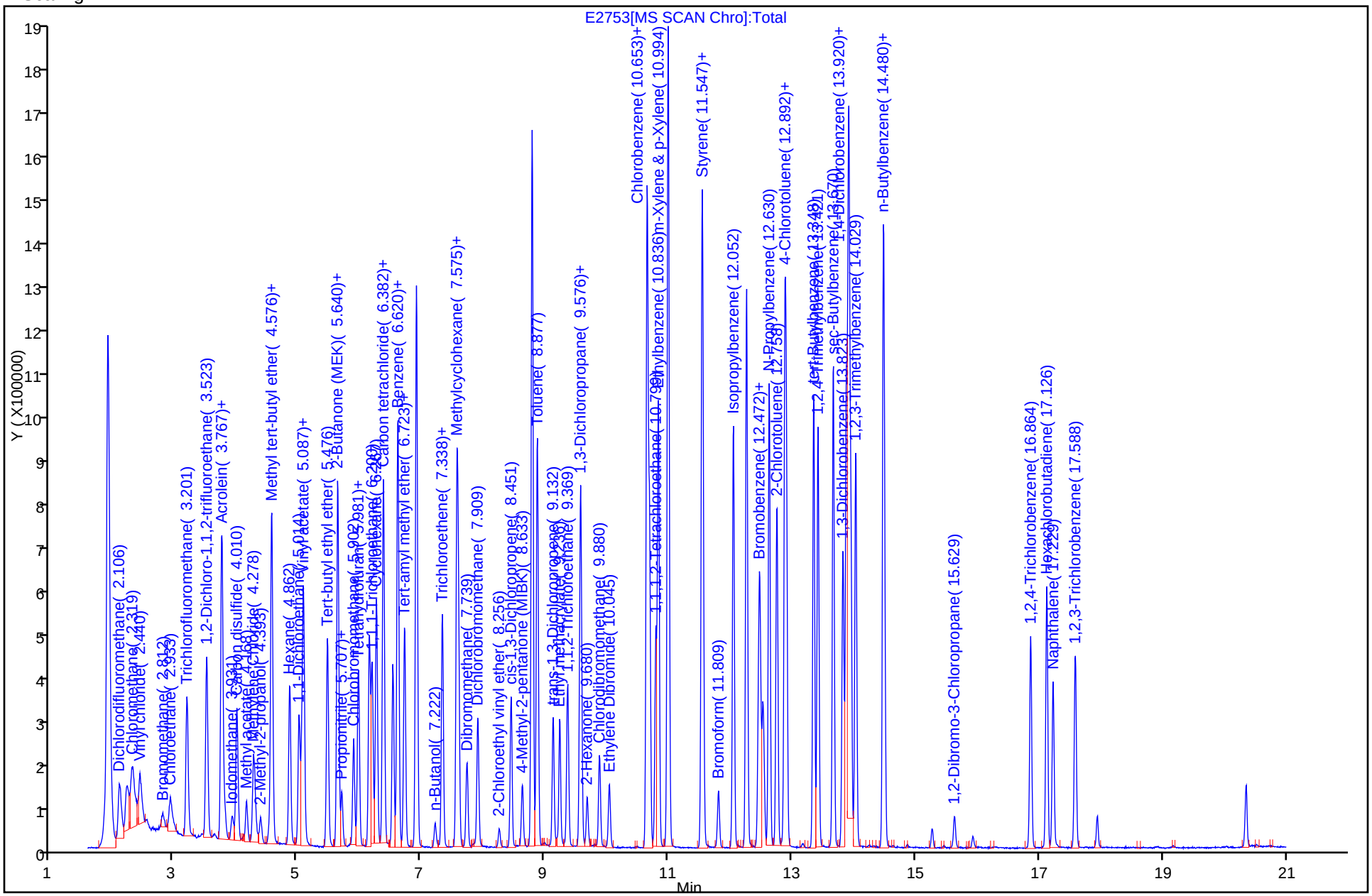
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.640	5.632	0.008	98	227575	20.4	
33 2,2-Dichloropropane	77	5.646	5.644	0.002	78	295023	20.3	
34 2-Butanone (MEK)	72	5.646	5.650	-0.004	45	28068	20.4	
105 Ethyl acetate	43	5.707	5.705	0.002	0	148952	20.1	
93 Propionitrile	54	5.713	5.711	0.002	0	19458	21.5	
35 Chlorobromomethane	130	5.902	5.900	0.002	93	109805	19.7	
95 Tetrahydrofuran	42	5.963	5.963	0.0	0	39837	16.6	M
36 Chloroform	83	5.981	5.979	0.002	69	363318	18.2	
37 1,1,1-Trichloroethane	97	6.200	6.198	0.002	92	324684	20.7	
38 Cyclohexane	84	6.273	6.265	0.008	86	297971	20.9	
39 1,1-Dichloropropene	75	6.376	6.374	0.002	94	306830	20.6	
40 Carbon tetrachloride	117	6.389	6.387	0.002	83	281435	20.5	
41 Benzene	78	6.614	6.612	0.002	91	891111	19.8	
42 1,2-Dichloroethane	62	6.620	6.618	0.002	1	228926	20.0	M
43 Isobutyl alcohol	41	6.723	6.721	0.002	39	60747	20.0	
44 Tert-amyl methyl ether	73	6.723	6.727	-0.004	96	445218	20.5	
102 n-Butanol	56	7.216	7.226	-0.010	0	37720	204.7	
45 Trichloroethene	132	7.338	7.336	0.002	90	214292	20.2	
46 Methylcyclohexane	83	7.575	7.573	0.002	92	384454	21.4	
47 1,2-Dichloropropane	63	7.599	7.597	0.002	0	200454	20.3	M
48 Dibromomethane	93	7.733	7.731	0.002	86	95350	19.8	
49 Dichlorobromomethane	83	7.909	7.907	0.002	91	241262	19.8	
50 2-Chloroethyl vinyl ether	63	8.256	8.254	0.002	88	22118	48.6	
54 cis-1,3-Dichloropropene	75	8.451	8.449	0.002	91	253368	19.6	
52 4-Methyl-2-pentanone (MIBK)	43	8.633	8.631	0.002	96	111209	19.1	
53 Toluene	91	8.877	8.875	0.002	78	906846	19.7	
51 trans-1,3-Dichloropropene	75	9.132	9.130	0.002	89	215021	19.4	
55 Ethyl methacrylate	69	9.236	9.234	0.002	91	209714	19.5	
56 1,1,2-Trichloroethane	83	9.369	9.367	0.002	93	124200	19.7	
57 Tetrachloroethene	164	9.570	9.568	0.002	96	178205	20.9	
58 1,3-Dichloropropane	76	9.588	9.586	0.002	89	264295	20.2	
59 2-Hexanone	43	9.680	9.684	-0.004	95	89263	19.2	
60 Chlorodibromomethane	129	9.880	9.878	0.002	85	146699	19.5	
61 Ethylene Dibromide	107	10.039	10.043	-0.004	99	127284	19.6	
62 Chlorobenzene	112	10.690	10.694	-0.004	95	535579	19.6	
63 1,1,1,2-Tetrachloroethane	131	10.793	10.791	0.002	92	174990	20.0	
64 Ethylbenzene	91	10.836	10.834	0.002	98	957274	19.5	
65 m-Xylene & p-Xylene	91	10.994	10.998	-0.004	0	1488030	40.7	
66 o-Xylene	91	11.541	11.539	0.002	90	746296	19.4	
67 Styrene	104	11.560	11.557	0.003	92	573275	21.8	
68 Bromoform	173	11.809	11.807	0.002	95	80097	18.7	
69 Isopropylbenzene	105	12.052	12.050	0.002	96	829488	19.5	
71 1,1,2,2-Tetrachloroethane	83	12.460	12.458	0.002	90	177635	20.3	
70 Bromobenzene	156	12.478	12.482	-0.004	0	204703	20.2	M
72 1,2,3-Trichloropropane	75	12.527	12.525	0.002	84	216286	20.1	
73 trans-1,4-Dichloro-2-butene	53	12.533	12.543	-0.010	36	38733	18.8	
74 N-Propylbenzene	91	12.630	12.634	-0.004	96	1140317	20.1	
75 2-Chlorotoluene	91	12.758	12.756	0.002	95	641539	21.5	
76 1,3,5-Trimethylbenzene	105	12.886	12.884	0.002	34	758518	19.5	M
77 4-Chlorotoluene	91	12.910	12.908	0.002	93	752768	19.3	
78 tert-Butylbenzene	119	13.348	13.352	-0.004	89	669190	21.9	
80 1,2,4-Trimethylbenzene	105	13.421	13.419	0.002	54	761473	19.3	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81	sec-Butylbenzene	105	13.670	13.668	0.002	95	1003704	19.8	
82	1,3-Dichlorobenzene	146	13.823	13.827	-0.004	96	397928	20.9	
79	4-Isopropyltoluene	119	13.877	13.881	-0.004	89	801449	19.3	
83	1,4-Dichlorobenzene	146	13.956	13.954	0.002	93	396122	17.9	M
99	1,2,3-Trimethylbenzene	105	14.029	14.033	-0.004	0	736840	19.7	
84	n-Butylbenzene	91	14.480	14.478	0.002	95	769264	19.3	
85	1,2-Dichlorobenzene	146	14.492	14.496	-0.004	84	357870	18.0	
86	1,2-Dibromo-3-Chloropropane	157	15.629	15.633	-0.004	0	27068	18.0	M
87	1,2,4-Trichlorobenzene	180	16.864	16.868	-0.004	90	214827	18.9	M
88	Hexachlorobutadiene	225	17.126	17.124	0.002	1	166688	19.2	M
89	Naphthalene	128	17.229	17.227	0.002	97	423525	19.8	
90	1,2,3-Trichlorobenzene	180	17.588	17.586	0.002	0	205687	19.2	M
S 92	Total 1,2-dichloroethene	100				0		40.9	
S 91	Xylenes, Total	100				0		60.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D
Injection Date: 19-Aug-2011 05:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 4
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

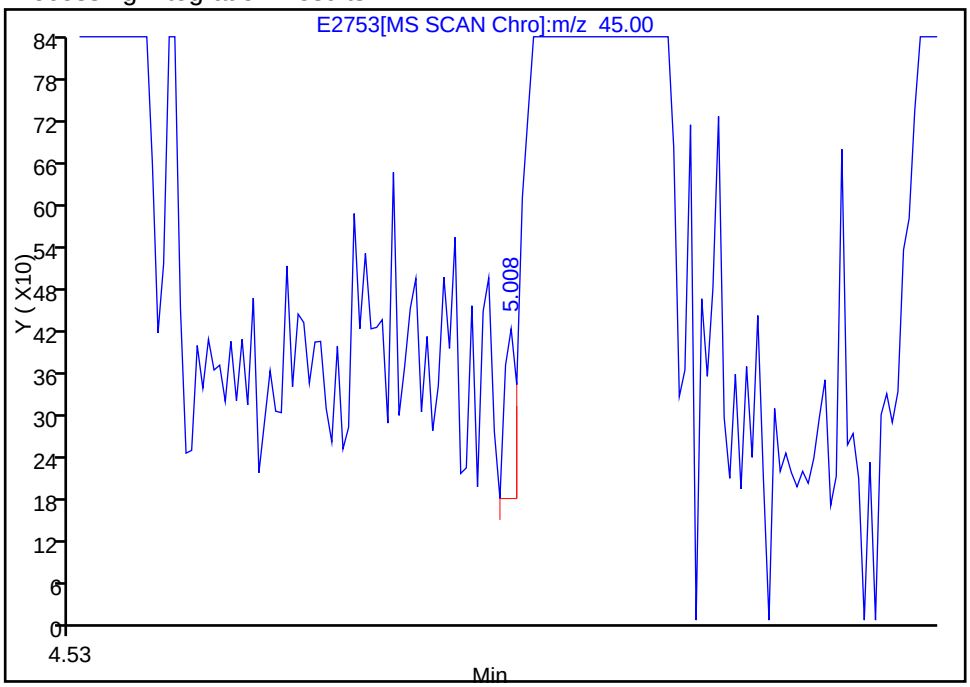
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

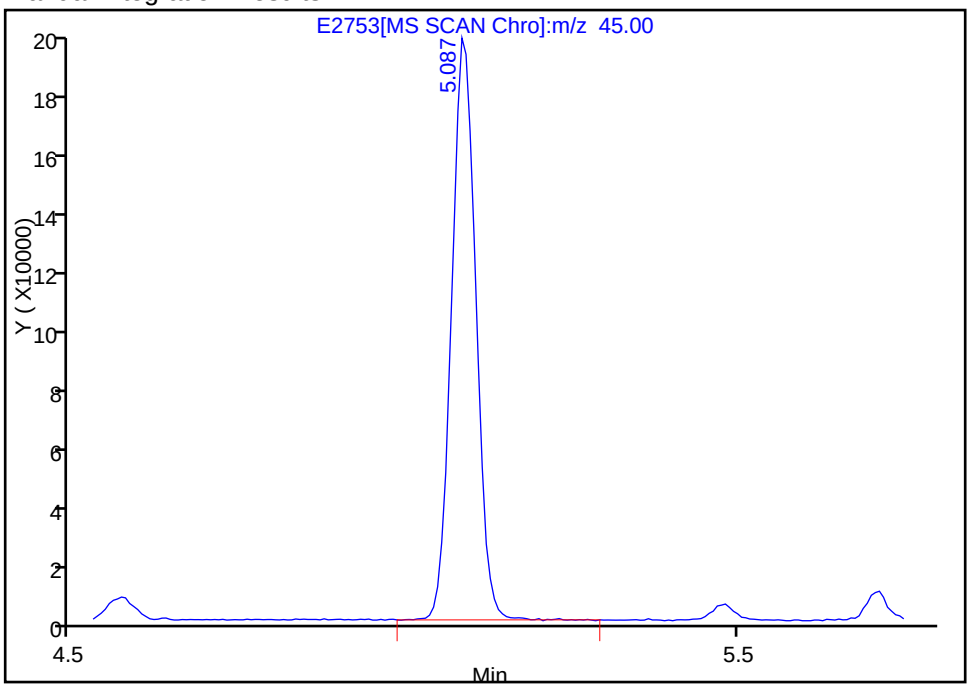
Processing Integration Results

RT: 5.01
Response: 218
Amount: 0.012383



Manual Integration Results

RT: 5.09
Response: 497599
Amount: 19.008112



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

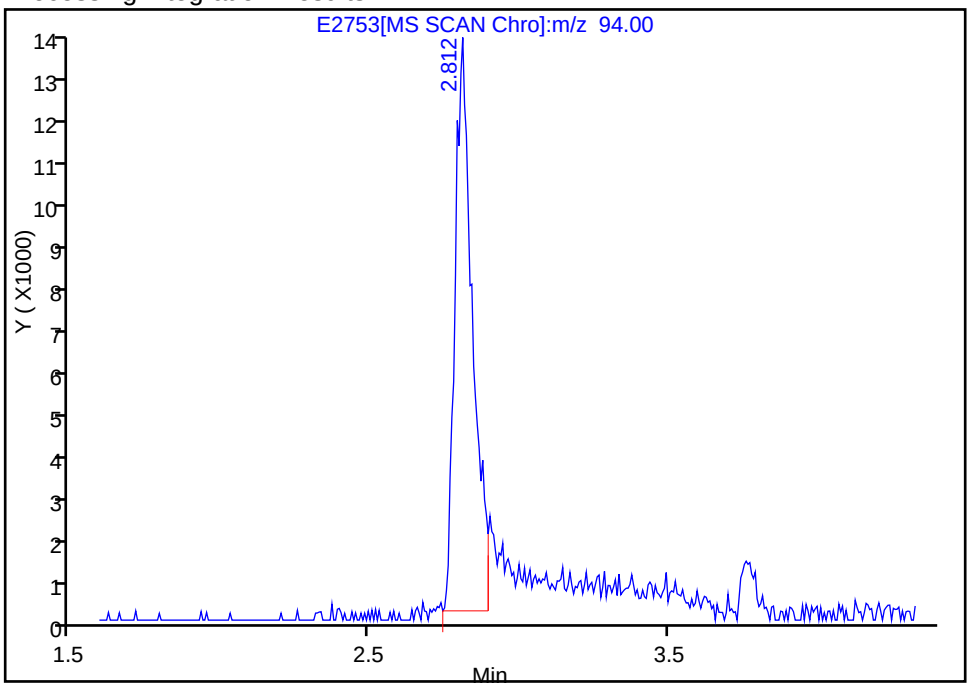
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.78

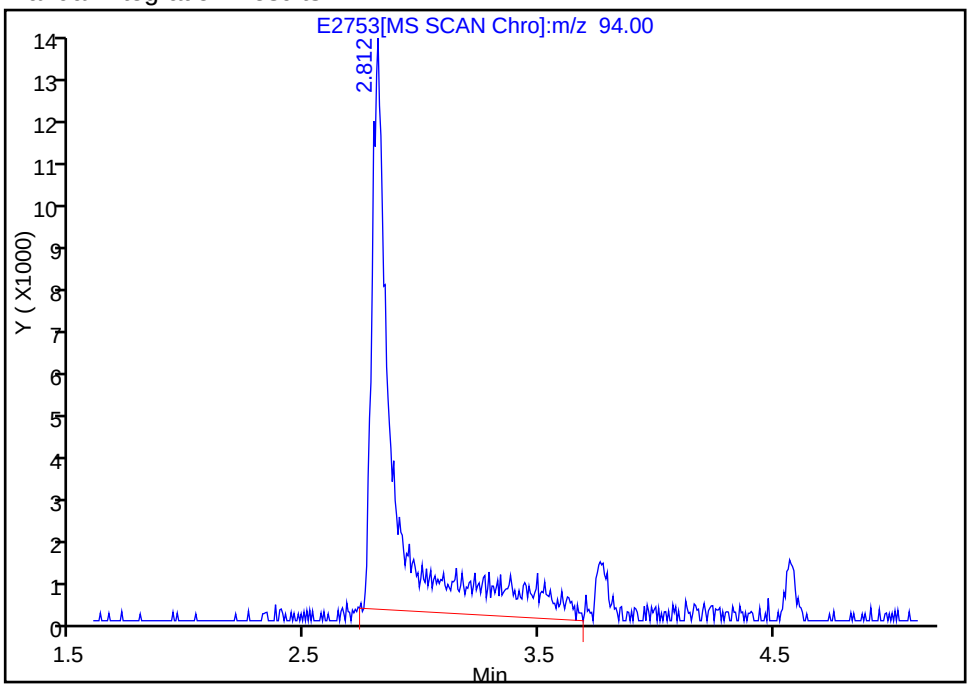
Processing Integration Results

RT: 2.81
Response: 52639
Amount: 0.052631



Manual Integration Results

RT: 2.81
Response: 83401
Amount: 25.542343



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D

Injection Date: 19-Aug-2011 05:19:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

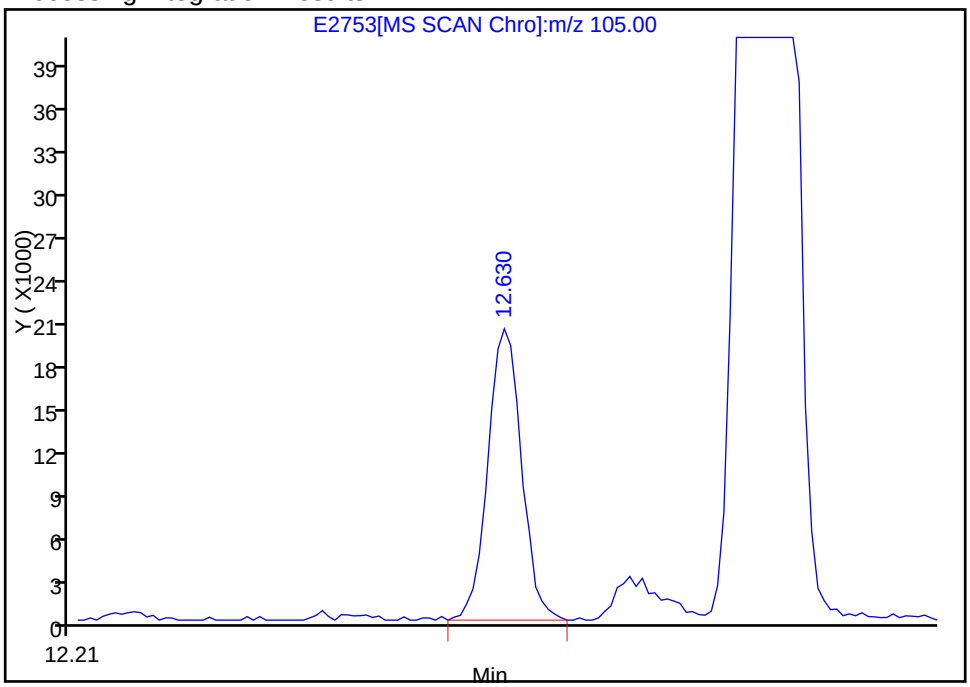
Lims Batch ID: 85337 Lims Sample ID: 4

Operator ID: WH

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

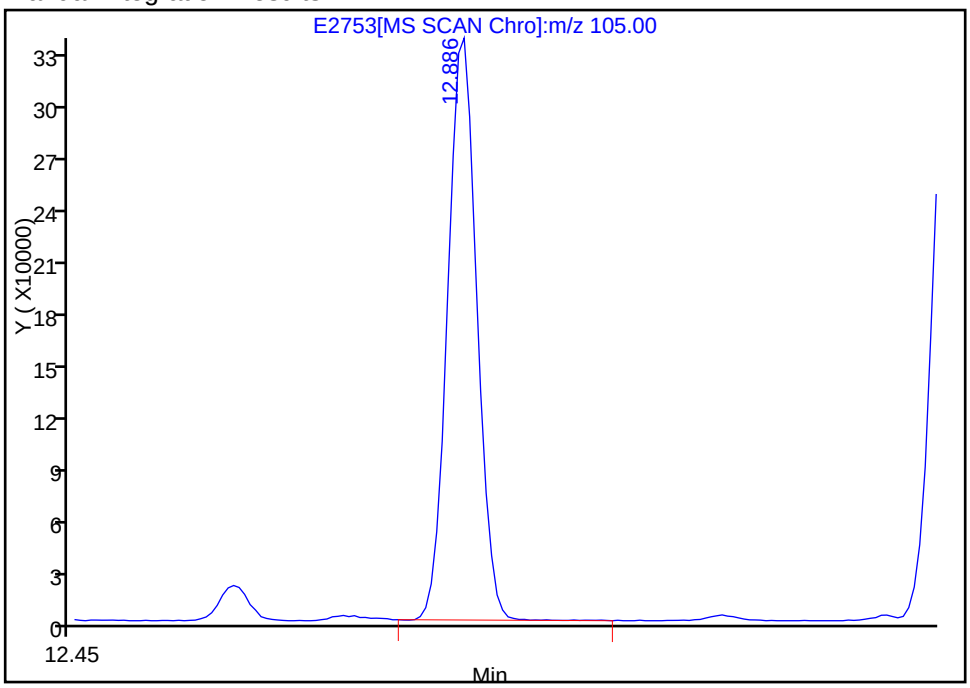
Processing Integration Results

RT: 12.63
Response: 46182
Amount: 0.114212



Manual Integration Results

RT: 12.89
Response: 758518
Amount: 19.522665



Reviewer: hobartw, 19-Aug-2011 08:19:07

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

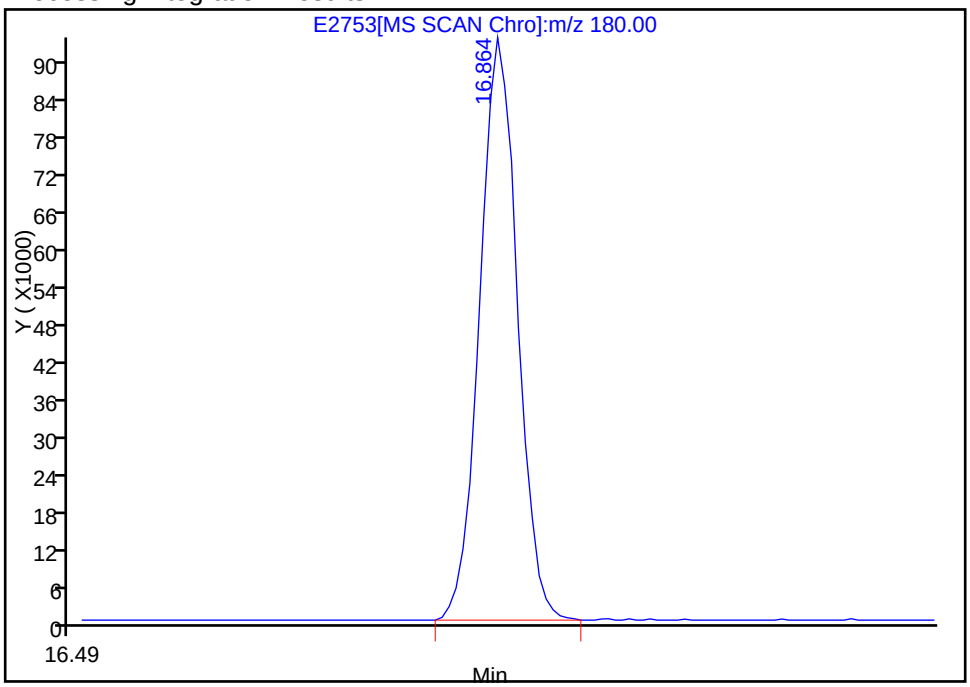
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

87 1,2,4-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 16.87

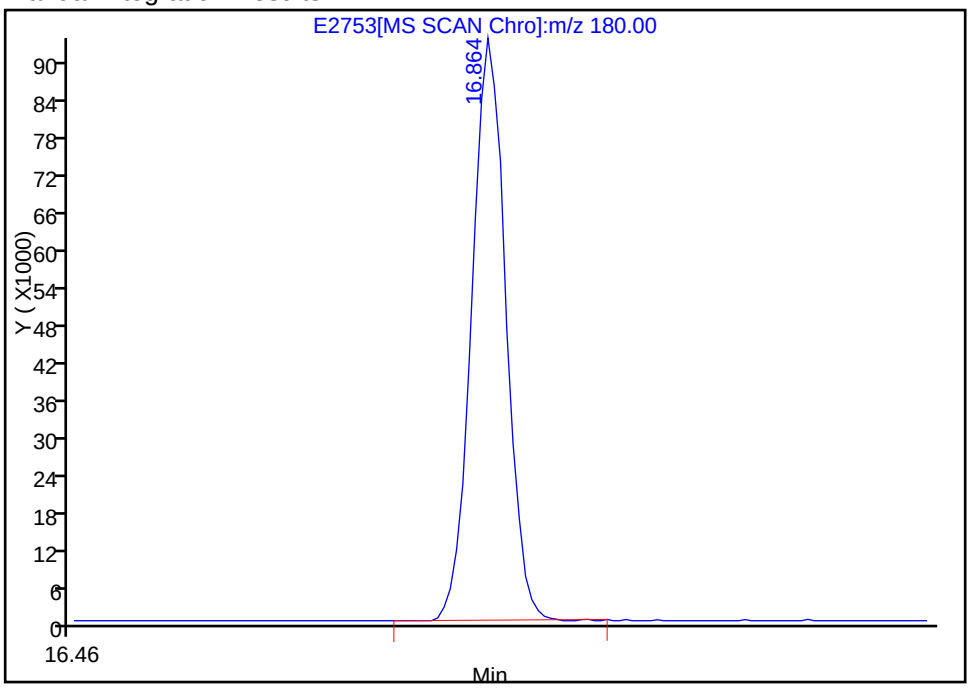
Processing Integration Results

RT: 16.86
Response: 215929
Amount: 10.237897



Manual Integration Results

RT: 16.86
Response: 214827
Amount: 18.899647



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

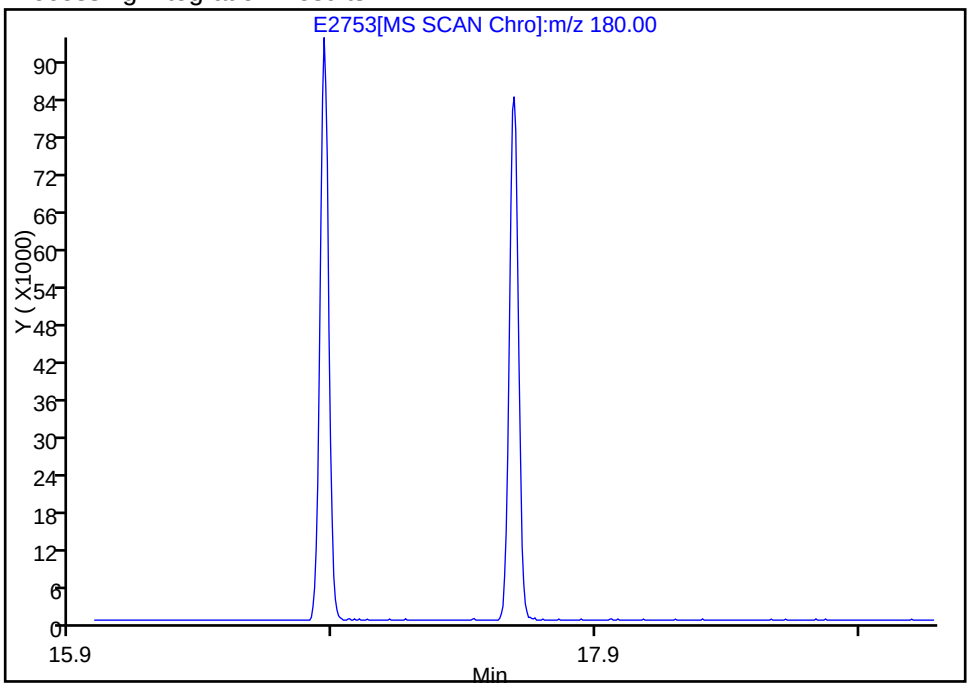
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

90 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 17.59

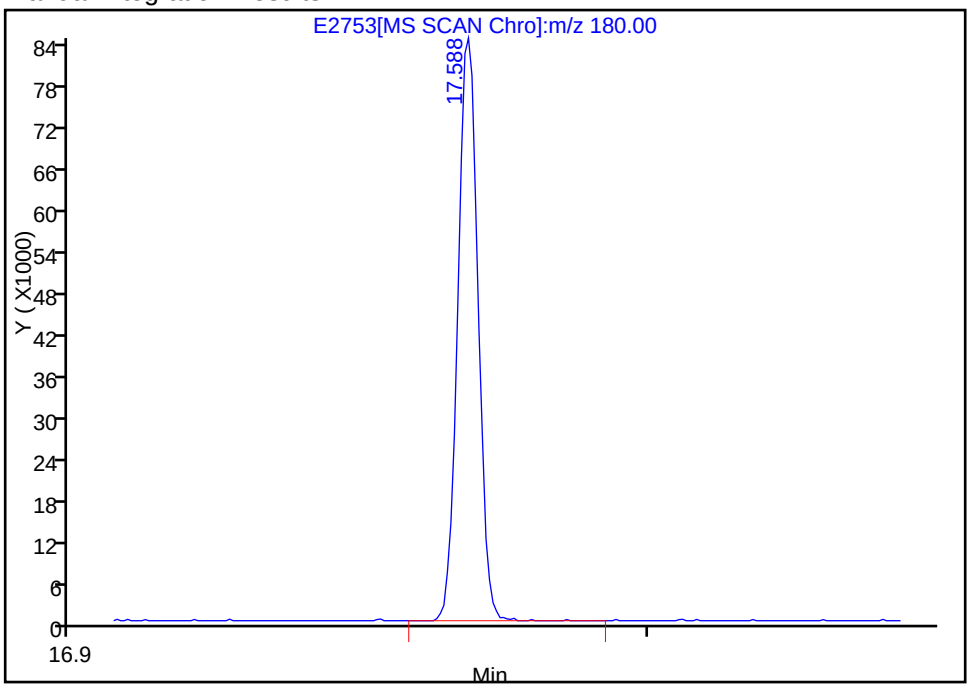
Processing Integration Results

Not Detected
Expected RT: 17.59



Manual Integration Results

RT: 17.59
Response: 205687
Amount: 19.224805



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

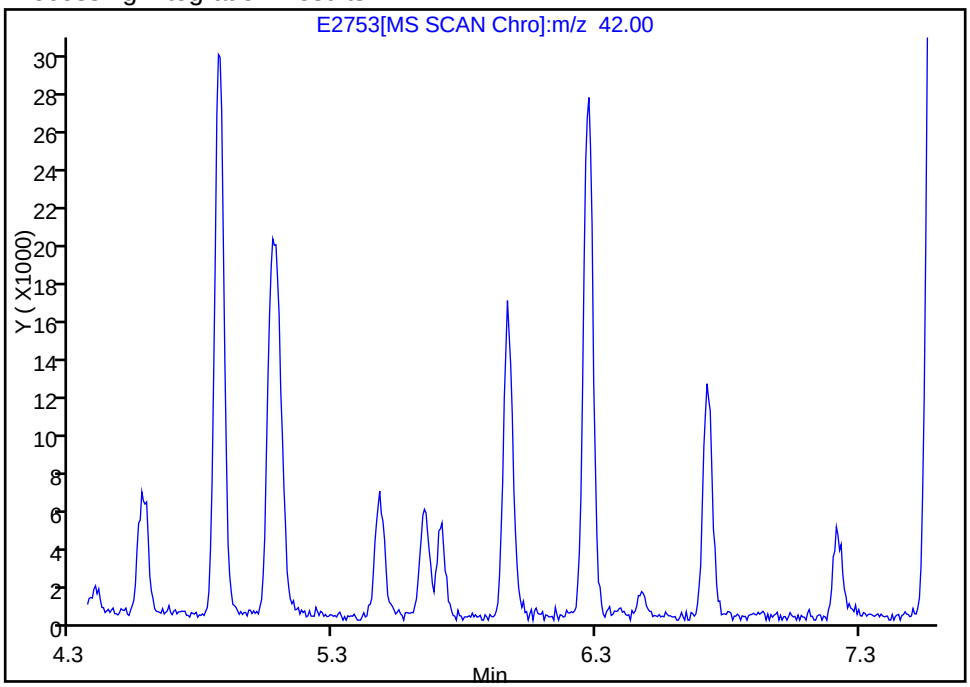
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

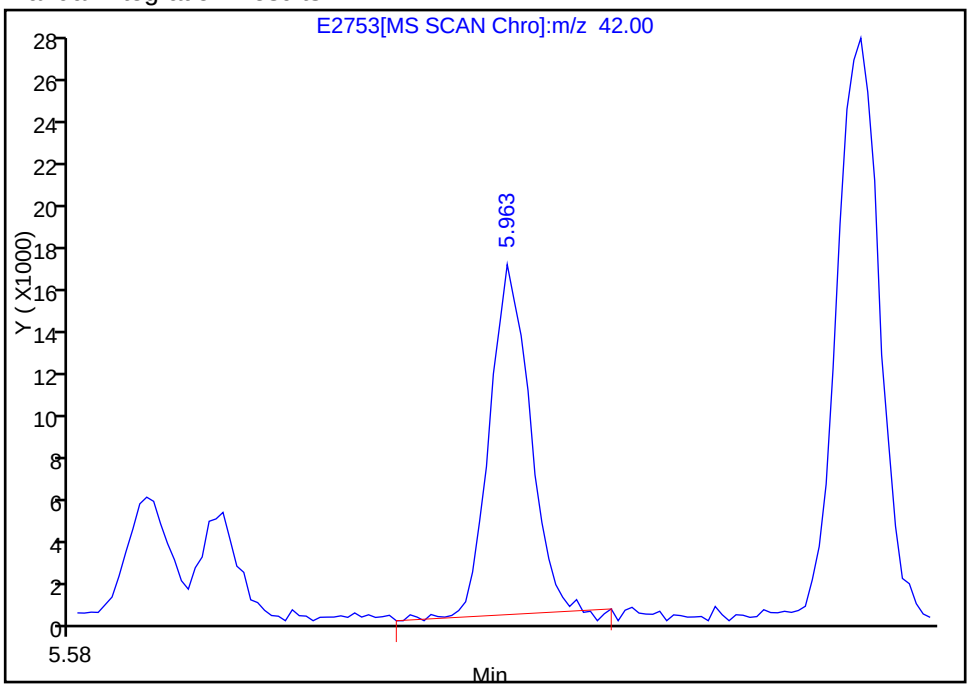
Processing Integration Results

Not Detected
Expected RT: 5.96



Manual Integration Results

RT: 5.96
Response: 39837
Amount: 16.593162



Reviewer: hallj, 20-Aug-2011 09:41:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

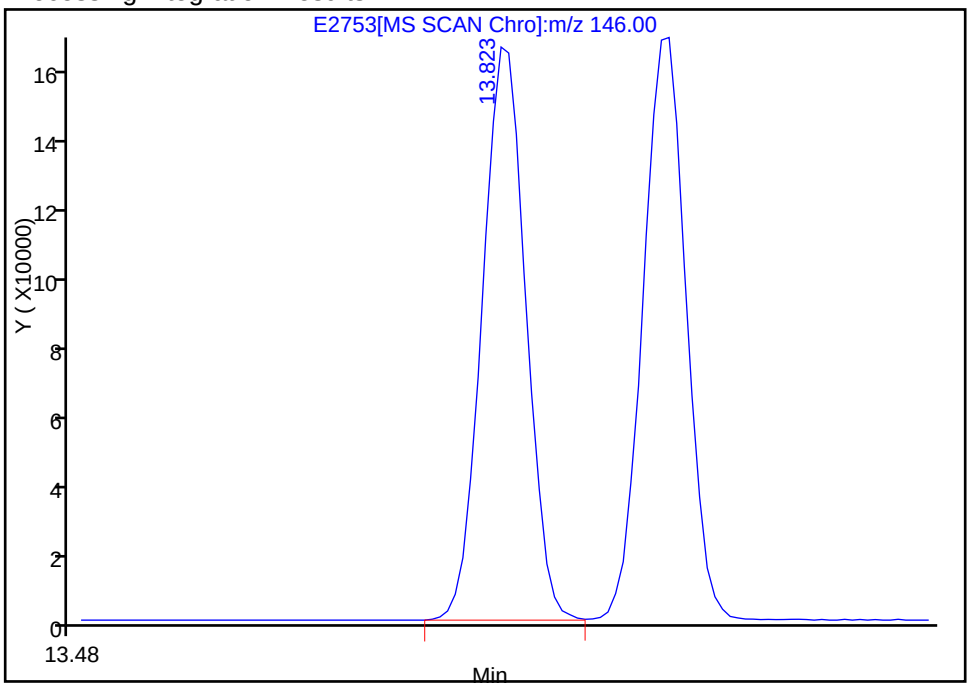
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

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

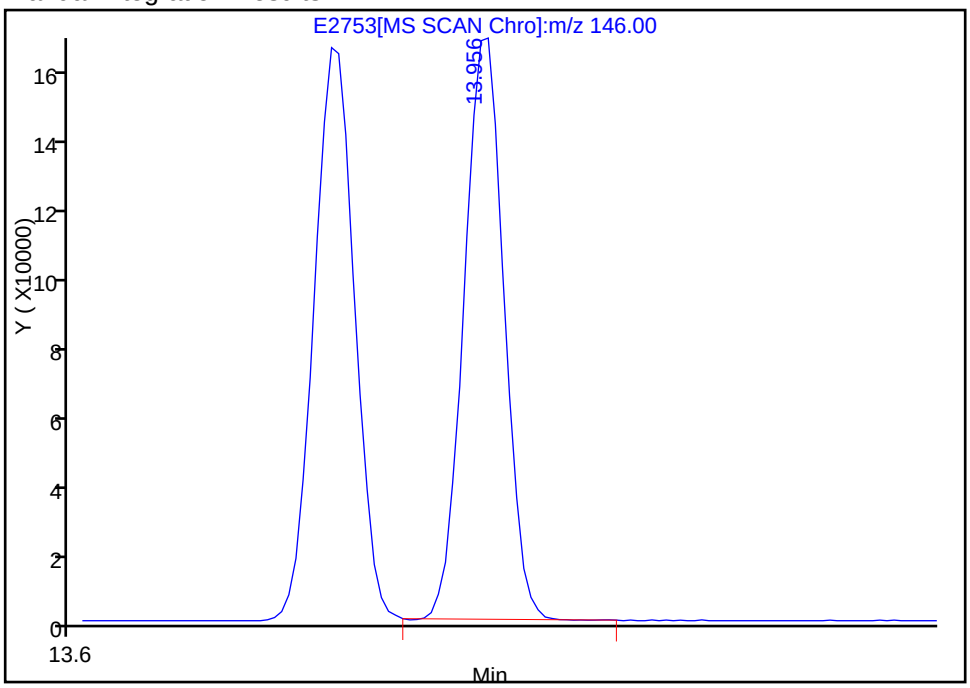
Processing Integration Results

RT: 13.82
Response: 397928
Amount: 21.798539



Manual Integration Results

RT: 13.96
Response: 396122
Amount: 17.941026



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

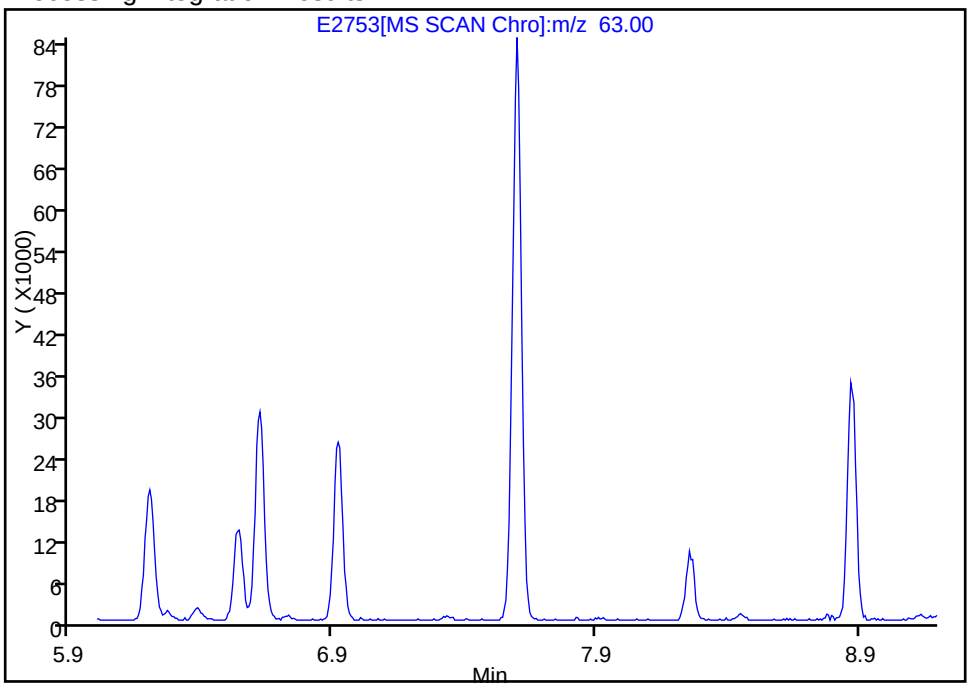
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D
Injection Date: 19-Aug-2011 05:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 4
Operator ID: WH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

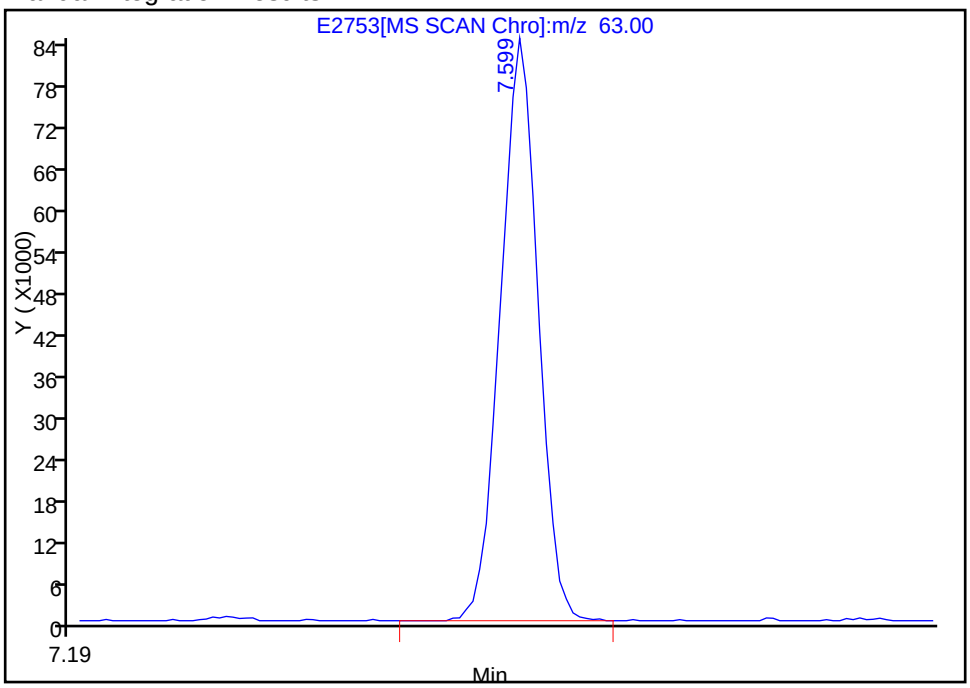
Not Detected
Expected RT: 7.60

Processing Integration Results



Manual Integration Results

RT: 7.60
Response: 200454
Amount: 20.285222



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

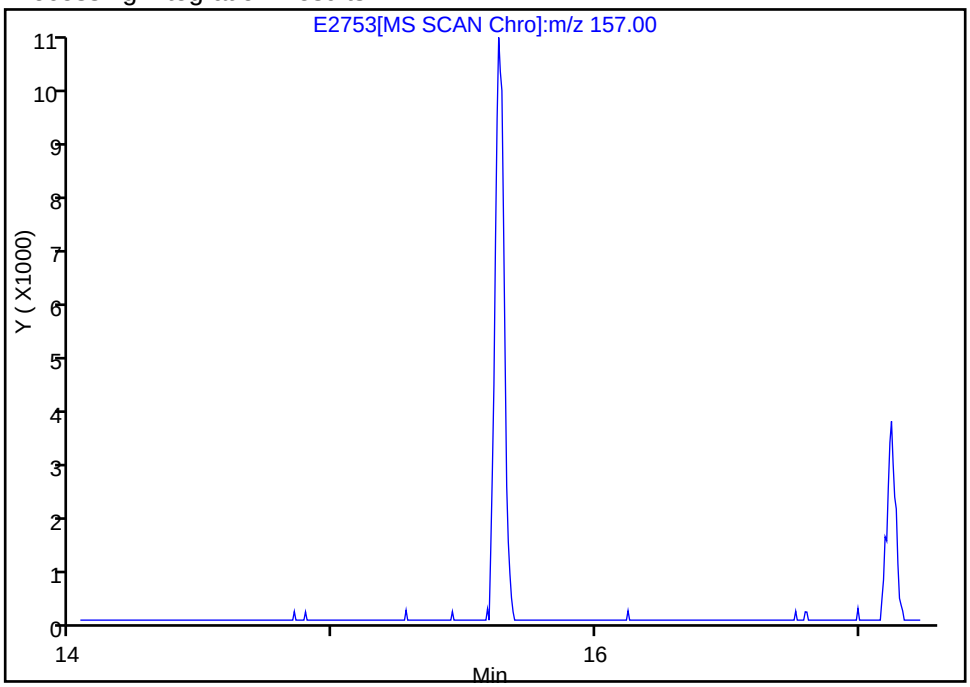
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

86 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 15.63

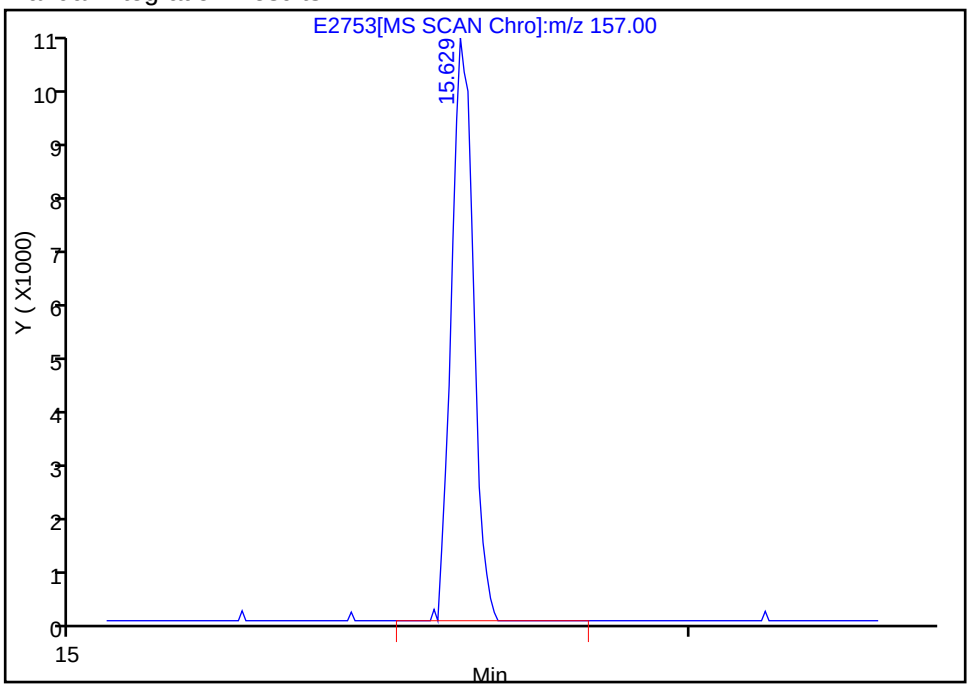
Processing Integration Results

Not Detected
Expected RT: 15.63



Manual Integration Results

RT: 15.63
Response: 27068
Amount: 18.021807



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

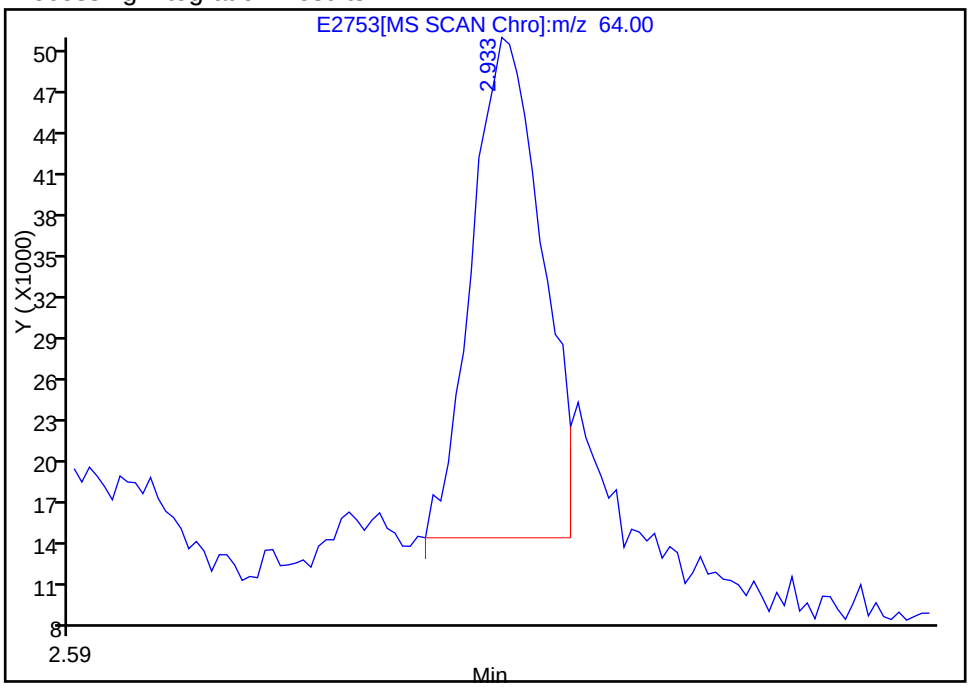
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.89

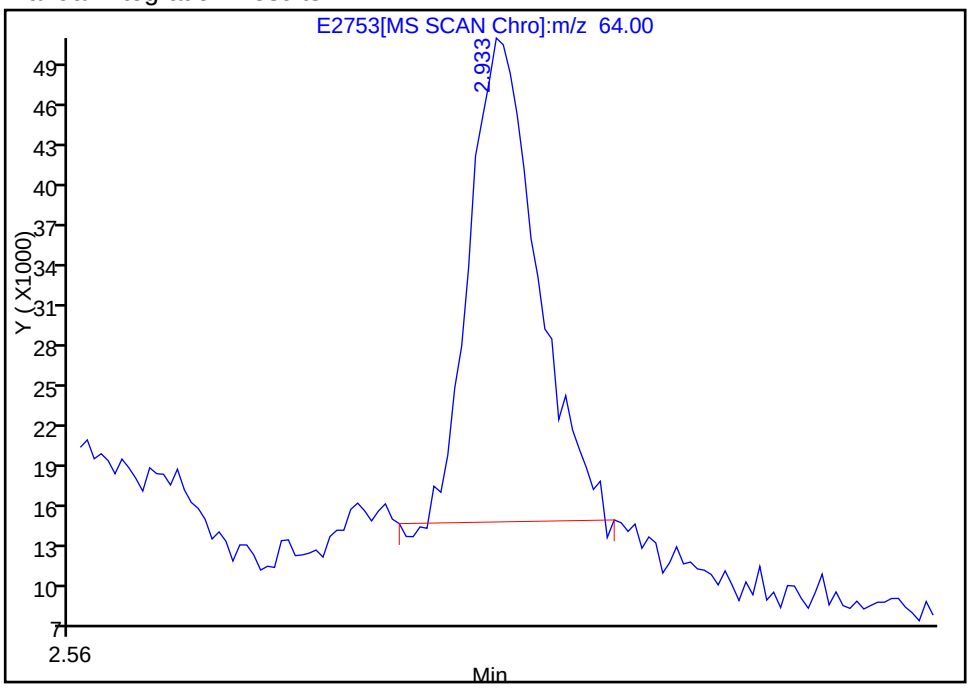
Processing Integration Results

RT: 2.93
Response: 139689
Amount: 0.032478



Manual Integration Results

RT: 2.93
Response: 146009
Amount: 18.057808



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

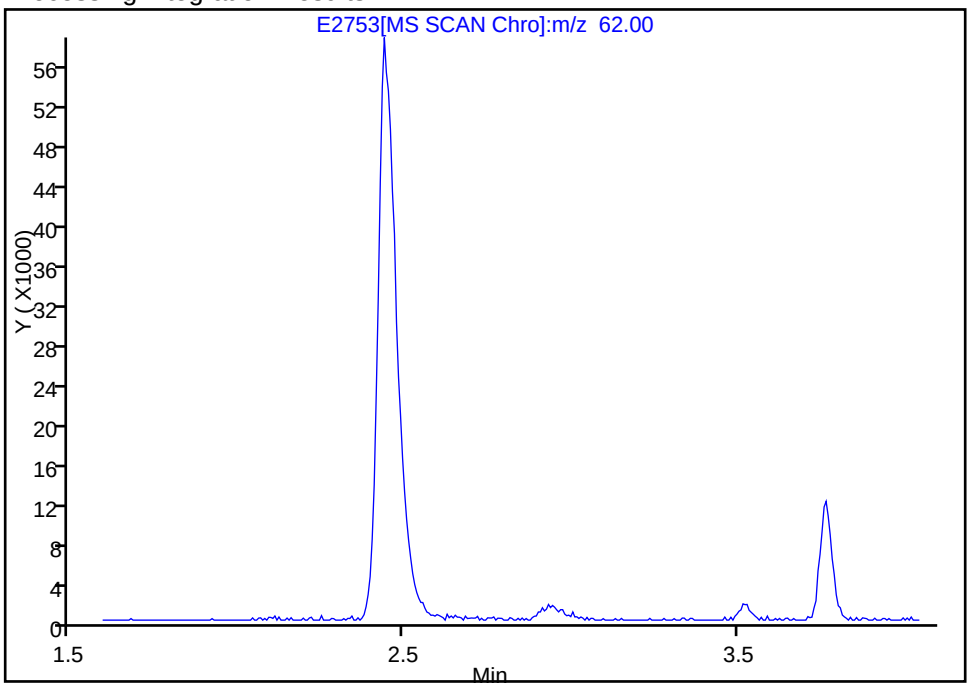
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

10 Vinyl chloride, Signal: 1, m/z: 62.0 Type: quant, RT: 2.44

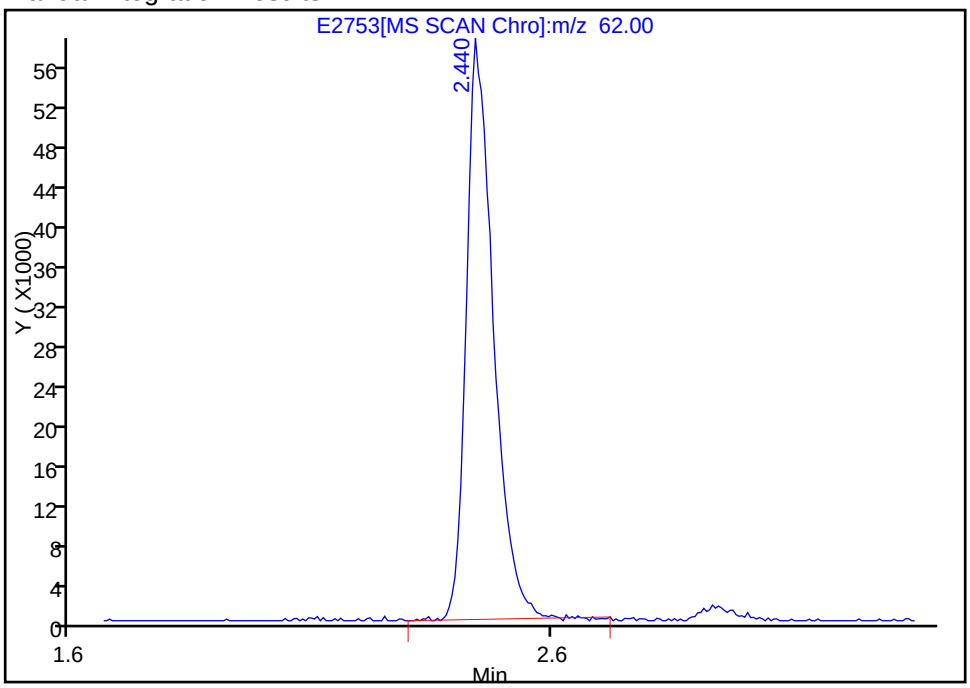
Processing Integration Results

Not Detected
Expected RT: 2.44



Manual Integration Results

RT: 2.44
Response: 229350
Amount: 20.261778



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

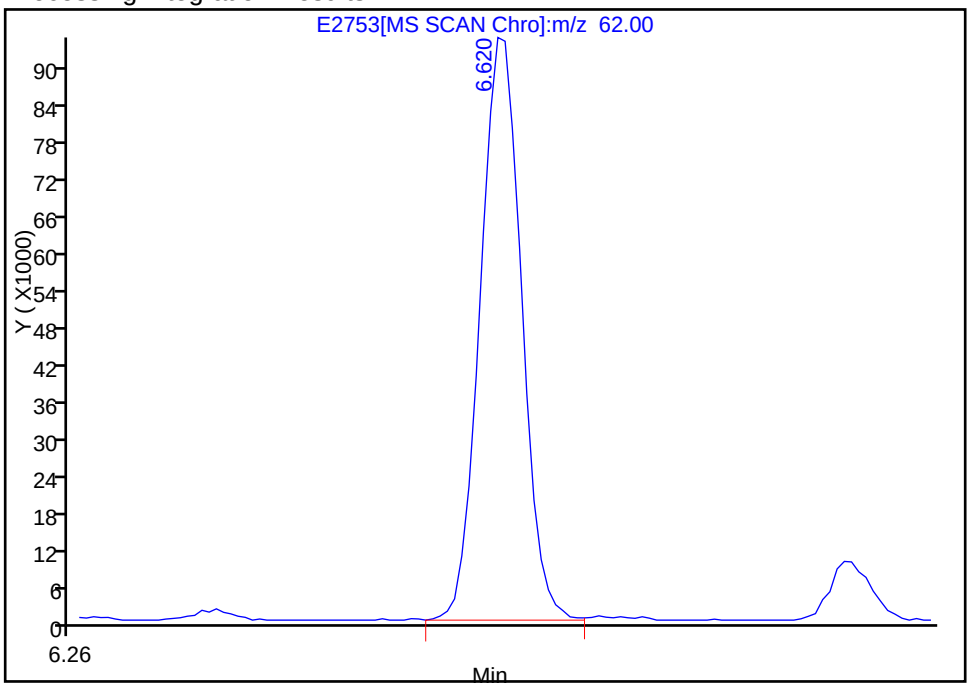
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

42 1,2-Dichloroethane, Signal: 1, m/z: 62.0 Type: quant, RT: 6.62

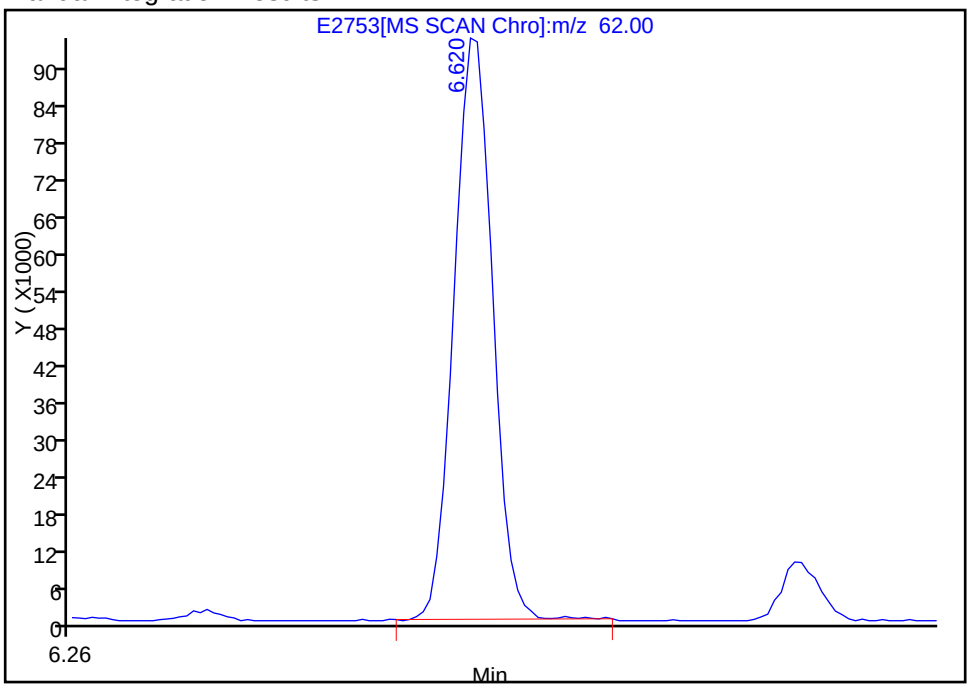
Processing Integration Results

RT: 6.62
Response: 230438
Amount: 0.034483



Manual Integration Results

RT: 6.62
Response: 228926
Amount: 20.020477



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

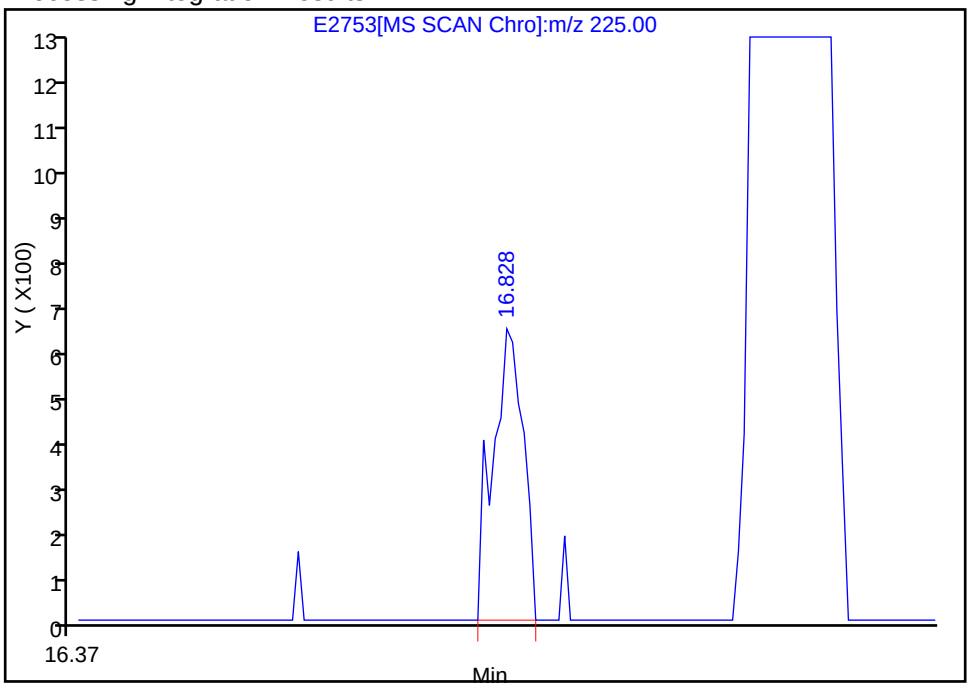
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D		
Injection Date:	19-Aug-2011 05:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	4
Operator ID:	WH		

88 Hexachlorobutadiene, Signal: 1, m/z: 225.0 Type: quant, RT: 17.12

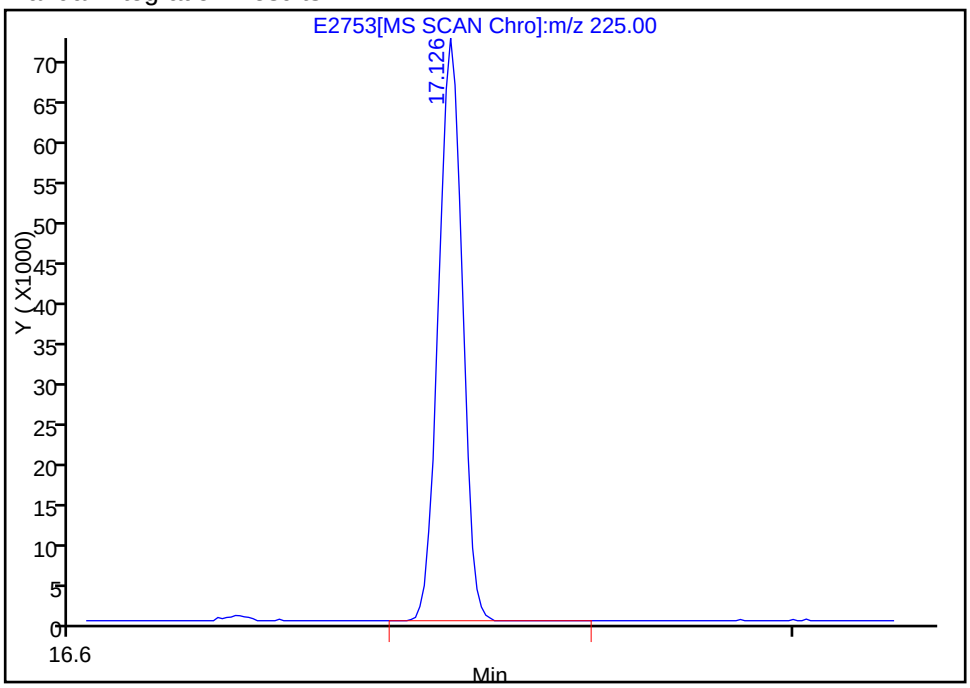
Processing Integration Results

RT: 16.83
Response: 1438
Amount: 0.203935



Manual Integration Results

RT: 17.13
Response: 166688
Amount: 19.160098



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:41:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

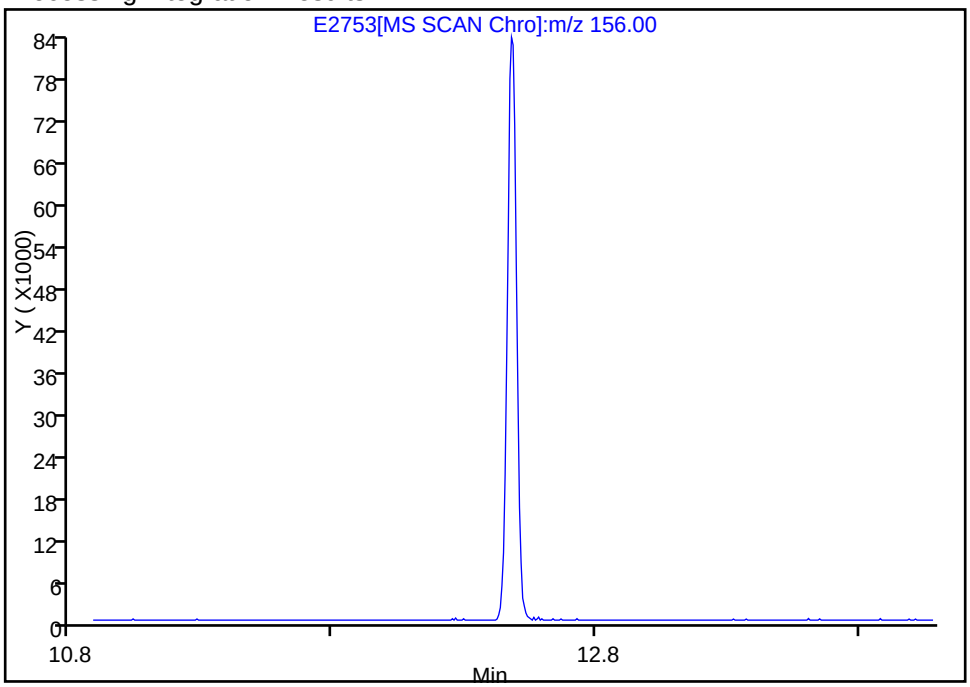
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2753.D
Injection Date: 19-Aug-2011 05:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 4
Operator ID: WH

70 Bromobenzene, Signal: 1, m/z: 156.0 Type: quant, RT: 12.48

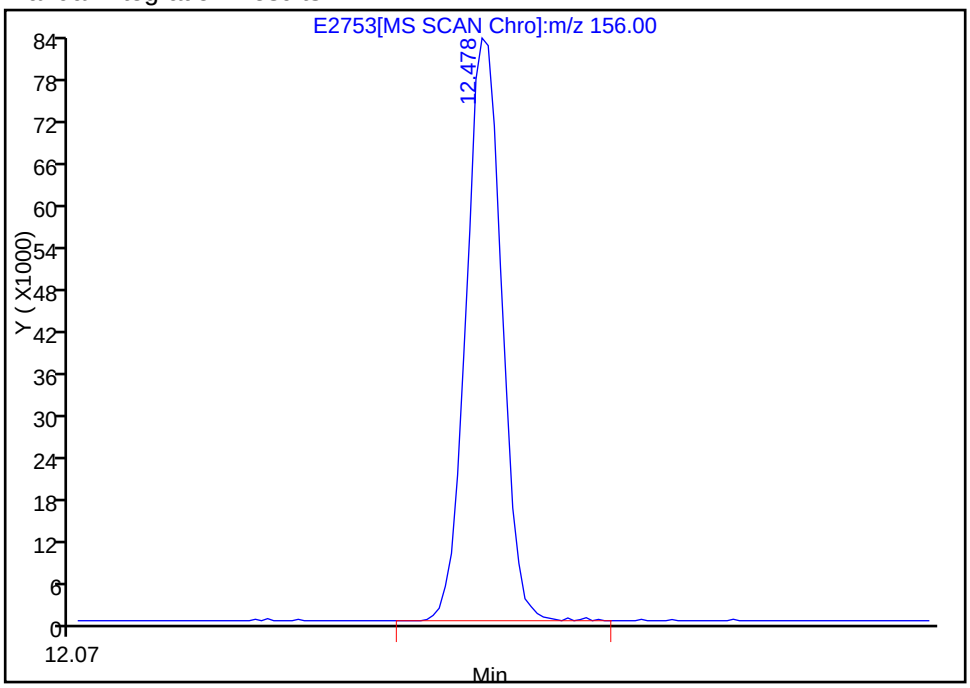
Processing Integration Results

Not Detected
Expected RT: 12.48



Manual Integration Results

RT: 12.48
Response: 204703
Amount: 20.189662



Reviewer: hobartw, 19-Aug-2011 08:19:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D
Lims ID: std050 Client ID:
Inject. Date: 19-Aug-2011 05:54:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 4
Sample ID: STD050
Misc. Info.: 510-0005409-005 =510-0005409-005
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 85337 Lims Sample ID: 5
Sublist: chrom-8260-SO-VMSA-E*sub24
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m
Last Update: 20-Aug-2011 09:40:15 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hobartw Date: 19-Aug-2011 08:41:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.919	6.919	0.0	1	1487799	50.0	M
* 2 Chlorobenzene-d5	117	10.654	10.654	0.0	88	1201714	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.915	13.915	0.0	87	665089	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.536	6.536	0.0	0	373561	50.1	
$ 6 Toluene-d8 (Surr)	98	8.787	8.787	0.0	93	1511097	50.1	
$ 7 4-Bromofluorobenzene (Surr)	95	12.261	12.261	0.0	85	656775	49.6	
8 Dichlorodifluoromethane	85	2.113	2.113	0.0	87	793167	49.7	
9 Chloromethane	50	2.314	2.314	0.0	89	479253	49.2	
10 Vinyl chloride	62	2.448	2.448	0.0	86	597678	49.6	
11 Bromomethane	94	2.795	2.795	0.0	91	160103	47.7	M
12 Chloroethane	64	2.916	2.916	0.0	94	451903	52.5	
13 Trichlorofluoromethane	101	3.190	3.190	0.0	80	959718	51.7	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.512	3.512	0.0	84	760735	51.5	
15 Acrolein	56	3.652	3.652	0.0	95	29369	48.0	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.762	3.762	0.0	71	389781	51.1	
16 1,1-Dichloroethene	96	3.762	3.762	0.0	88	458076	49.3	
18 Acetone	58	3.817	3.817	0.0	96	55573	52.5	
19 Iodomethane	142	3.932	3.932	0.0	95	305534	50.3	
20 Carbon disulfide	76	4.005	4.005	0.0	100	1512711	56.0	
21 Methyl acetate	43	4.163	4.163	0.0	94	359885	46.8	
22 Methylene Chloride	84	4.279	4.279	0.0	84	444707	47.2	
23 2-Methyl-2-propanol	59	4.395	4.395	0.0	96	171816	194.7	
24 Acrylonitrile	53	4.528	4.528	0.0	98	105459	51.0	
25 trans-1,2-Dichloroethene	96	4.571	4.571	0.0	73	513613	49.7	
26 Methyl tert-butyl ether	73	4.571	4.571	0.0	95	1159916	49.9	
27 Hexane	57	4.863	4.863	0.0	93	515799	49.6	
28 1,1-Dichloroethane	63	5.015	5.015	0.0	85	869884	49.6	
29 Vinyl acetate	43	5.070	5.070	0.0	98	1434762	90.8	
30 Isopropyl ether	45	5.088	5.088	0.0	1	1270766	47.7	M
31 Tert-butyl ethyl ether	59	5.477	5.477	0.0	91	1156753	50.9	

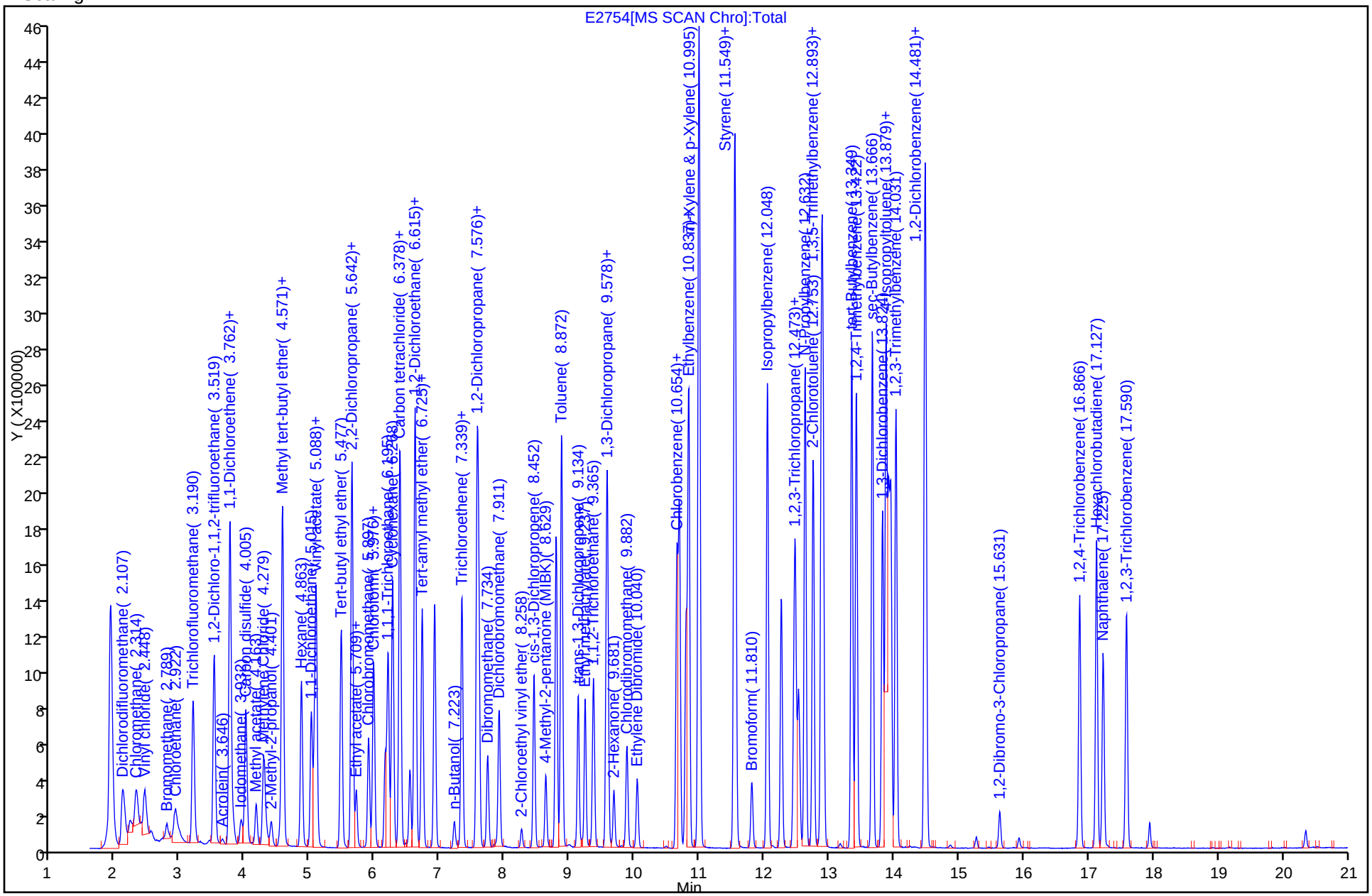
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.636	5.636	0.0	90	588837	49.7	
33 2,2-Dichloropropane	77	5.642	5.642	0.0	77	790604	51.0	
34 2-Butanone (MEK)	72	5.648	5.648	0.0	44	69557	51.0	
105 Ethyl acetate	43	5.709	5.709	0.0	0	376252	47.8	
93 Propionitrile	54	5.715	5.715	0.0	0	45942	46.6	
35 Chlorobromomethane	130	5.897	5.897	0.0	90	286054	48.1	
95 Tetrahydrofuran	42	5.964	5.964	0.0	0	101278	44.8	M
36 Chloroform	83	5.976	5.976	0.0	69	917093	54.4	
37 1,1,1-Trichloroethane	97	6.195	6.195	0.0	92	845766	50.6	
38 Cyclohexane	84	6.268	6.268	0.0	87	789085	52.0	
39 1,1-Dichloropropene	75	6.378	6.378	0.0	93	814577	51.3	
40 Carbon tetrachloride	117	6.384	6.384	0.0	74	743152	50.9	
41 Benzene	78	6.615	6.615	0.0	93	2136388	50.0	
42 1,2-Dichloroethane	62	6.621	6.621	0.0	45	588044	48.3	
44 Tert-amyl methyl ether	73	6.725	6.725	0.0	96	1189365	51.5	
43 Isobutyl alcohol	41	6.725	6.725	0.0	39	155843	48.3	
102 n-Butanol	56	7.217	7.217	0.0	0	100293	511.3	
45 Trichloroethene	132	7.339	7.339	0.0	89	569362	50.4	
46 Methylcyclohexane	83	7.570	7.570	0.0	92	1021708	53.5	
47 1,2-Dichloropropane	63	7.595	7.595	0.0	0	521387	49.6	M
48 Dibromomethane	93	7.734	7.734	0.0	91	246712	48.1	
49 Dichlorobromomethane	83	7.911	7.911	0.0	89	644129	49.6	
50 2-Chloroethyl vinyl ether	63	8.258	8.258	0.0	91	53648	110.7	
54 cis-1,3-Dichloropropene	75	8.452	8.452	0.0	93	710803	51.5	
52 4-Methyl-2-pentanone (MIBK)	43	8.629	8.629	0.0	96	309151	49.9	
53 Toluene	91	8.872	8.872	0.0	82	2214894	50.7	
51 trans-1,3-Dichloropropene	75	9.128	9.128	0.0	89	602663	51.1	
55 Ethyl methacrylate	69	9.237	9.237	0.0	77	596850	52.1	
56 1,1,2-Trichloroethane	83	9.365	9.365	0.0	88	321574	48.0	
57 Tetrachloroethene	164	9.572	9.572	0.0	88	456543	50.4	
58 1,3-Dichloropropane	76	9.584	9.584	0.0	89	689764	49.6	
59 2-Hexanone	43	9.681	9.681	0.0	95	244701	49.4	
60 Chlorodibromomethane	129	9.882	9.882	0.0	85	395130	49.4	
61 Ethylene Dibromide	107	10.040	10.040	0.0	98	335955	48.7	
62 Chlorobenzene	112	10.691	10.691	0.0	95	1340411	48.3	
63 1,1,1,2-Tetrachloroethane	131	10.794	10.794	0.0	87	470359	49.7	
64 Ethylbenzene	91	10.837	10.837	0.0	96	2422201	48.9	
65 m-Xylene & p-Xylene	91	10.995	10.995	0.0	0	3515891	103.1	
66 o-Xylene	91	11.537	11.537	0.0	89	1953983	49.5	
67 Styrene	104	11.555	11.555	0.0	87	1495860	52.7	
68 Bromoform	173	11.810	11.810	0.0	96	226639	48.9	
69 Isopropylbenzene	105	12.048	12.048	0.0	95	2188279	49.6	
71 1,1,2,2-Tetrachloroethane	83	12.455	12.455	0.0	89	449665	47.0	
70 Bromobenzene	156	12.480	12.480	0.0	93	554496	50.1	
72 1,2,3-Trichloropropane	75	12.528	12.528	0.0	86	587640	50.0	
73 trans-1,4-Dichloro-2-butene	53	12.540	12.540	0.0	45	106816	47.5	
74 N-Propylbenzene	91	12.632	12.632	0.0	94	2835481	50.8	
75 2-Chlorotoluene	91	12.753	12.753	0.0	95	1694691	52.0	
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	1	1988999	49.4	M
77 4-Chlorotoluene	91	12.905	12.905	0.0	93	1964140	49.7	
78 tert-Butylbenzene	119	13.349	13.349	0.0	85	1798376	54.0	
80 1,2,4-Trimethylbenzene	105	13.422	13.422	0.0	58	1990704	49.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.666	13.666	0.0	96	2587626	50.4	
82 1,3-Dichlorobenzene	146	13.824	13.824	0.0	95	1045614	50.2	
79 4-Isopropyltoluene	119	13.879	13.879	0.0	86	2142849	50.0	
83 1,4-Dichlorobenzene	146	13.952	13.952	0.0	85	1030875	54.9	
99 1,2,3-Trimethylbenzene	105	14.031	14.031	0.0	0	1975728	48.4	
84 n-Butylbenzene	91	14.475	14.475	0.0	93	2055215	49.9	
85 1,2-Dichlorobenzene	146	14.493	14.493	0.0	86	926177	55.0	
86 1,2-Dibromo-3-Chloropropane	157	15.637	15.637	0.0	60	77695	47.4	
87 1,2,4-Trichlorobenzene	180	16.866	16.866	0.0	93	630324	50.8	
88 Hexachlorobutadiene	225	17.127	17.127	0.0	97	471000	49.6	
89 Naphthalene	128	17.225	17.225	0.0	98	1216581	52.0	
90 1,2,3-Trichlorobenzene	180	17.590	17.590	0.0	91	583240	49.9	
S 92 Total 1,2-dichloroethene	100				0		99.3	
S 91 Xylenes, Total	100				0		152.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D
Injection Date: 19-Aug-2011 05:54:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 5
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

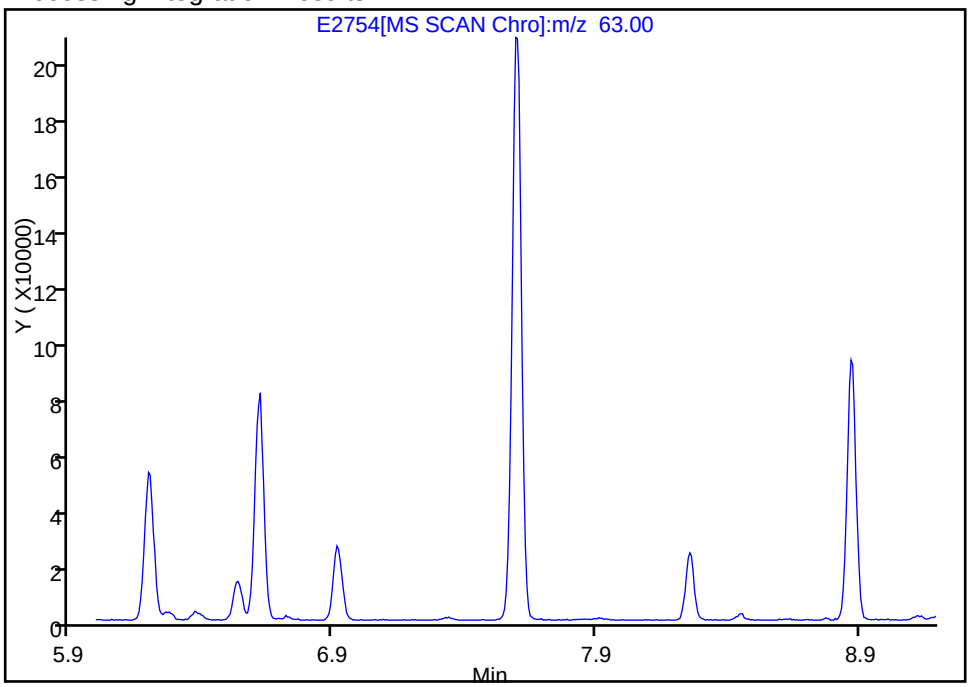
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

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

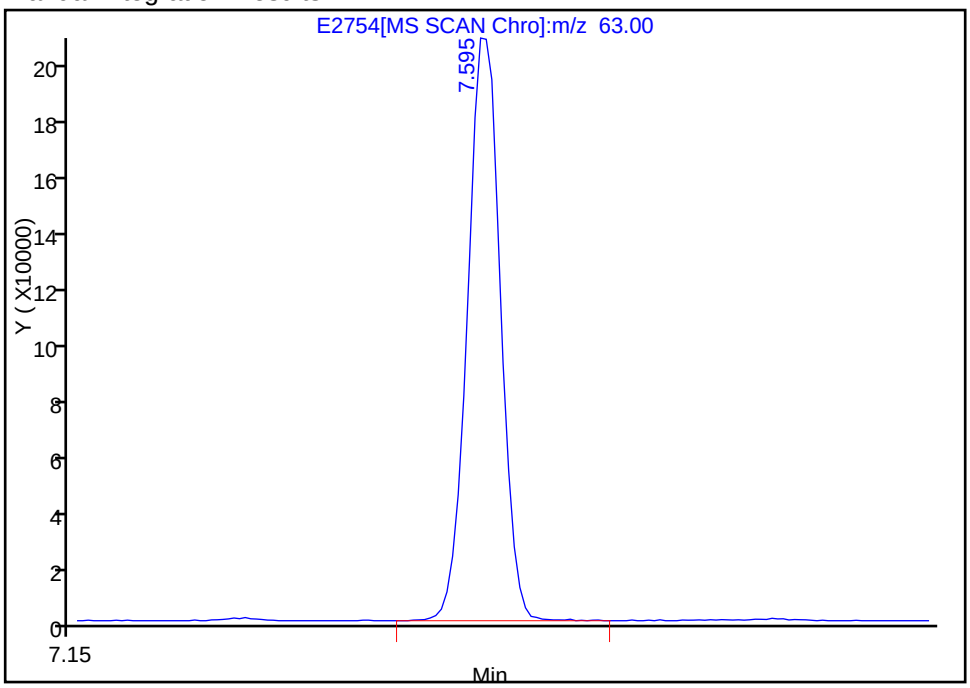
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 521387
Amount: 49.571908



Reviewer: hobartw, 19-Aug-2011 08:07:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

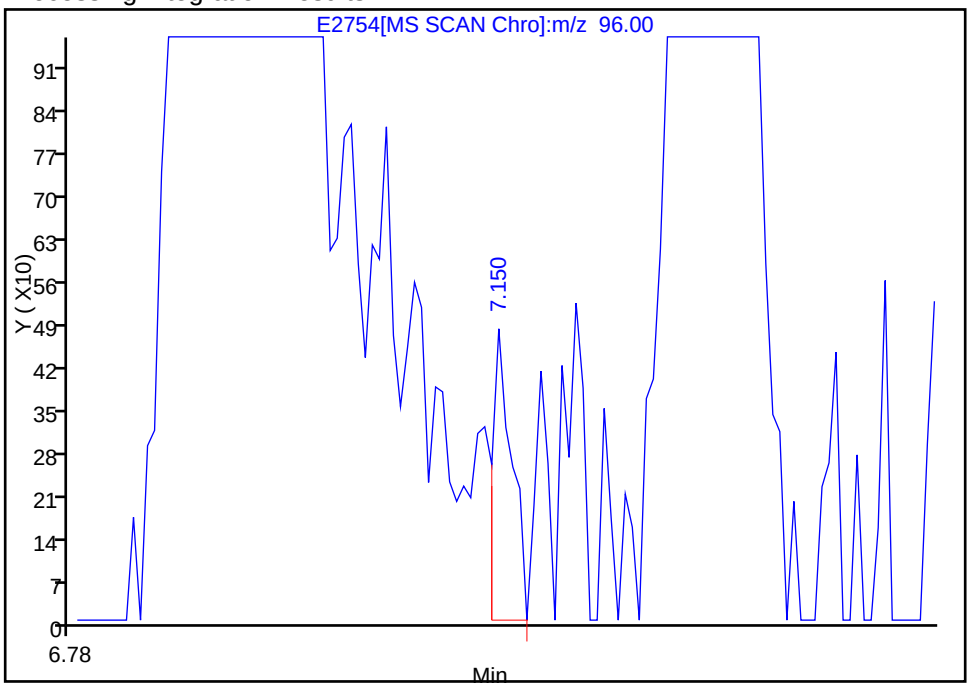
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

* 1 Fluorobenzene, Signal: 1, m/z: 96.0 Type: quant, RT: 6.92

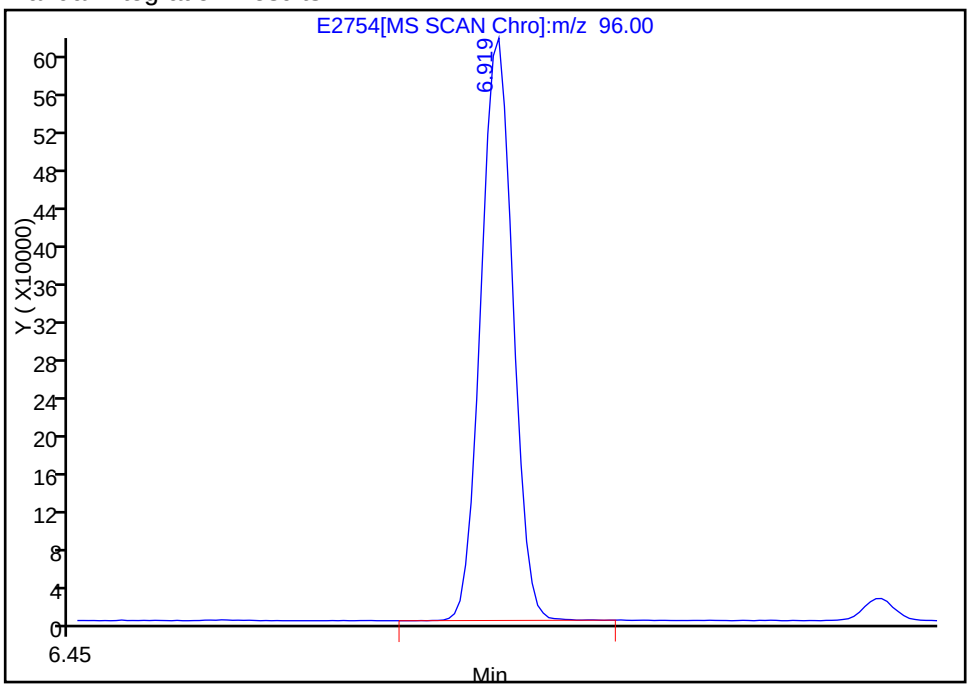
Processing Integration Results

RT: 7.15
Response: 551
Amount: 50.000000



Manual Integration Results

RT: 6.92
Response: 1487799
Amount: 50.000000



Reviewer: hobartw, 19-Aug-2011 08:07:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

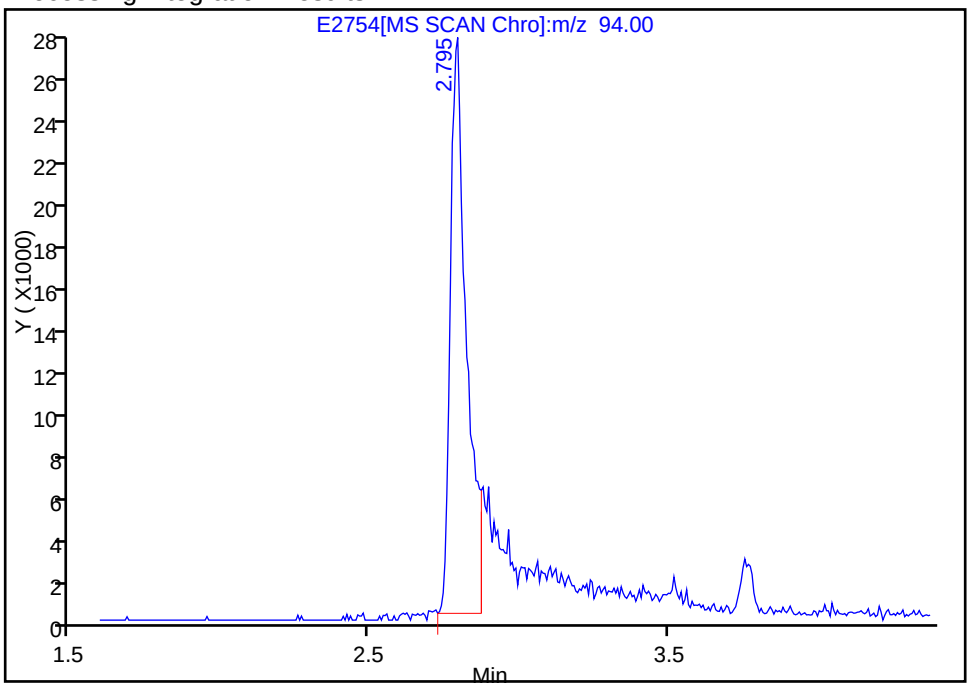
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.79

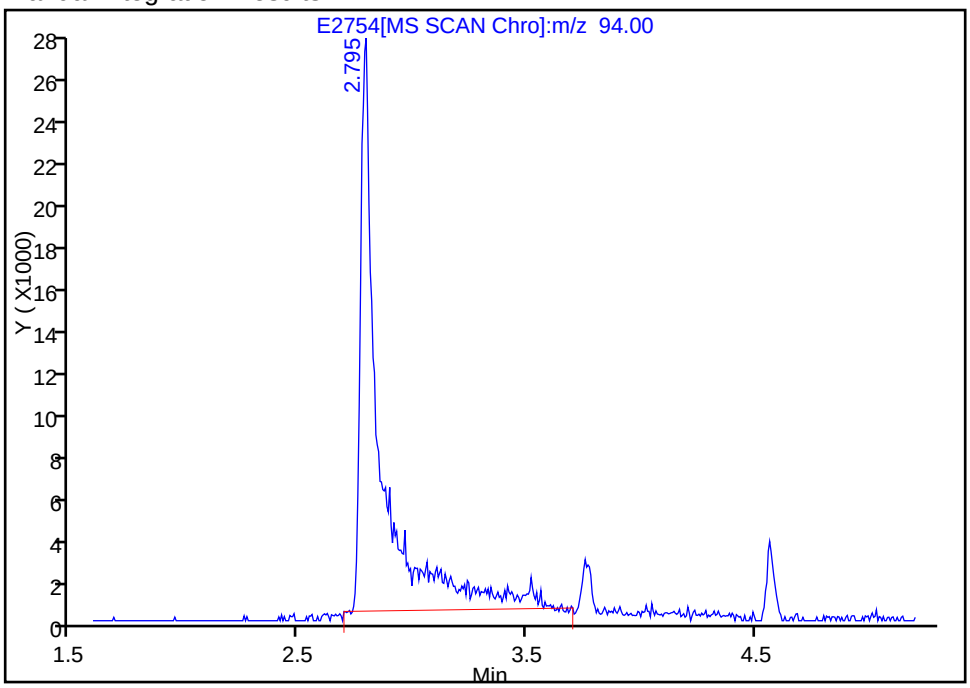
Processing Integration Results

RT: 2.79
Response: 101593
Amount: 0.018462



Manual Integration Results

RT: 2.79
Response: 160103
Amount: 47.694497



Reviewer: hobartw, 19-Aug-2011 08:07:51
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

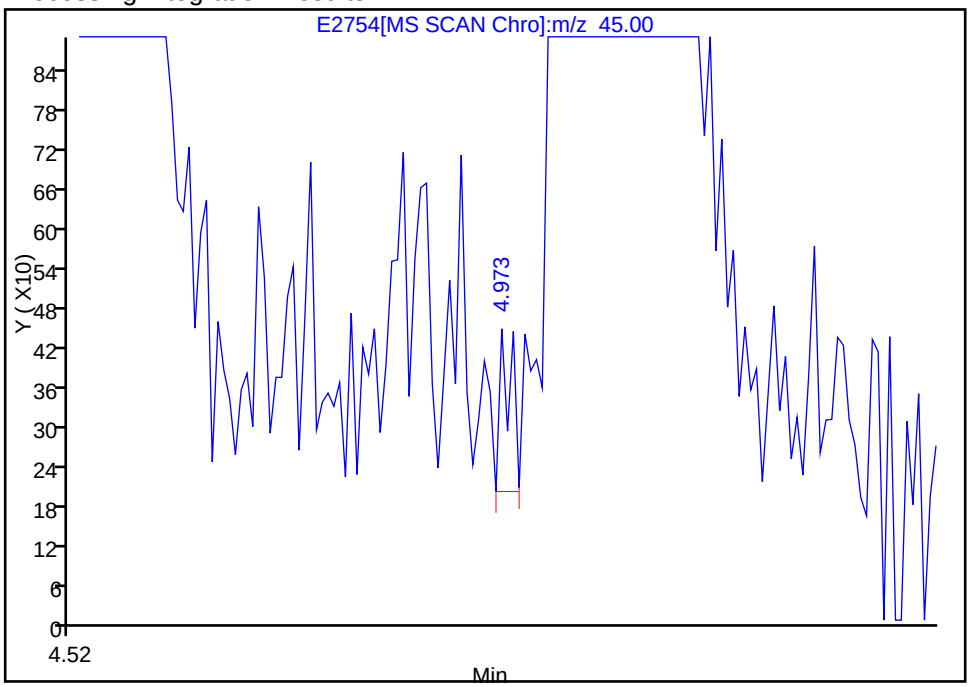
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

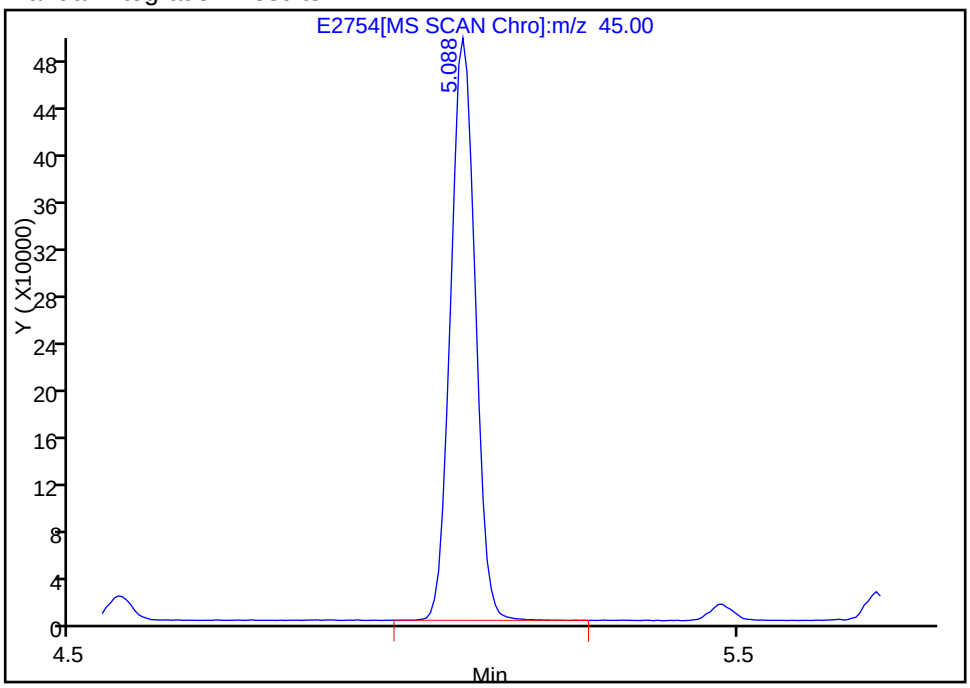
Processing Integration Results

RT: 4.97
Response: 215
Amount: 0.002792



Manual Integration Results

RT: 5.09
Response: 1270766
Amount: 47.730195



Reviewer: hobartw, 19-Aug-2011 08:07:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

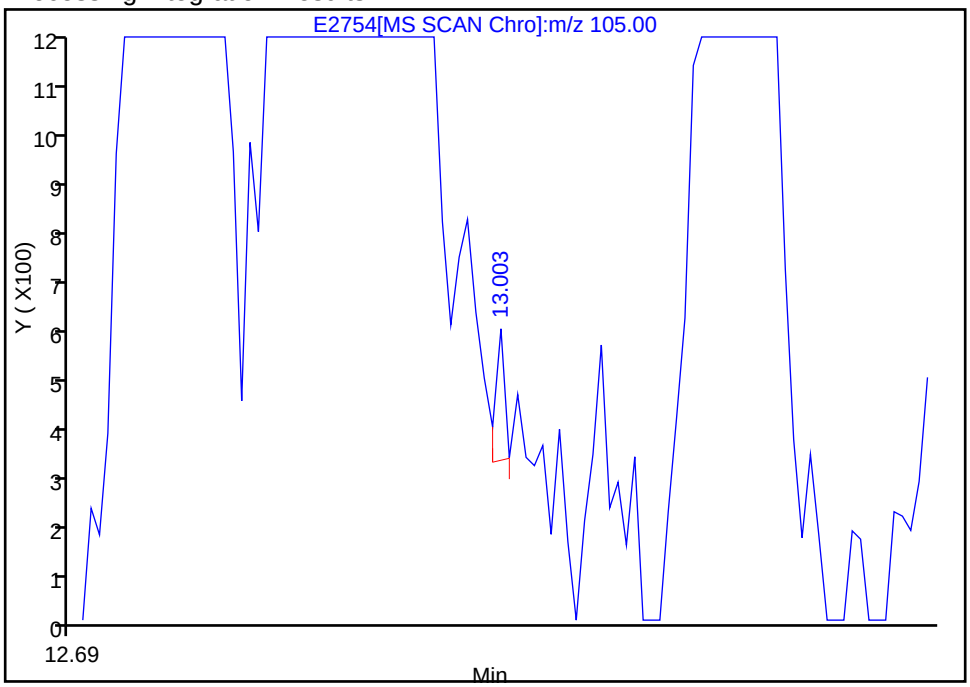
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

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

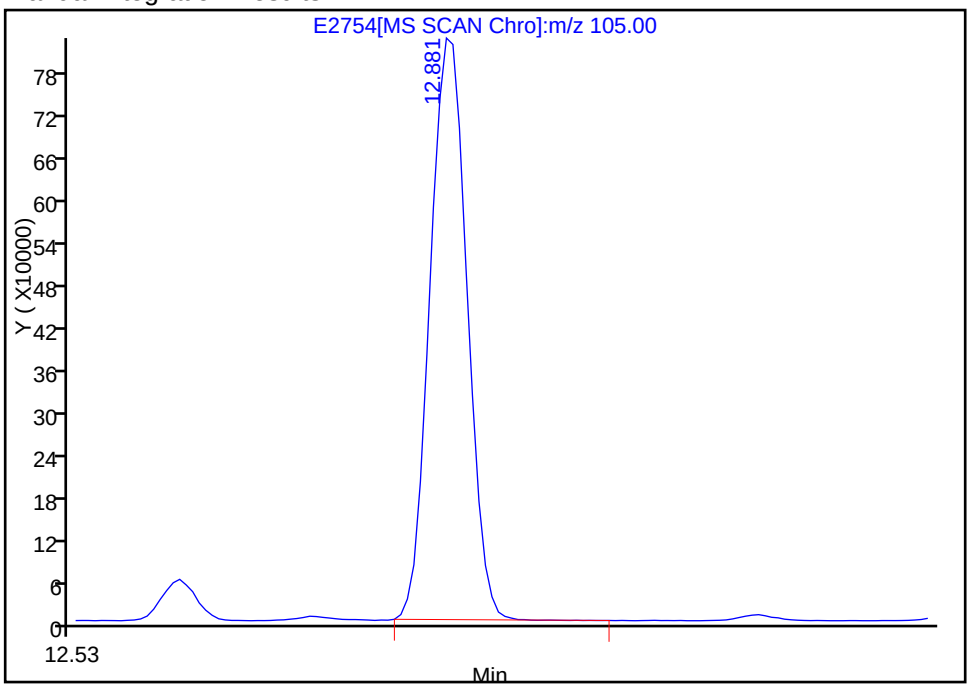
Processing Integration Results

RT: 13.00
Response: 124
Amount: 0.000298



Manual Integration Results

RT: 12.88
Response: 1988999
Amount: 49.429159



Reviewer: hobartw, 19-Aug-2011 08:07:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:40:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

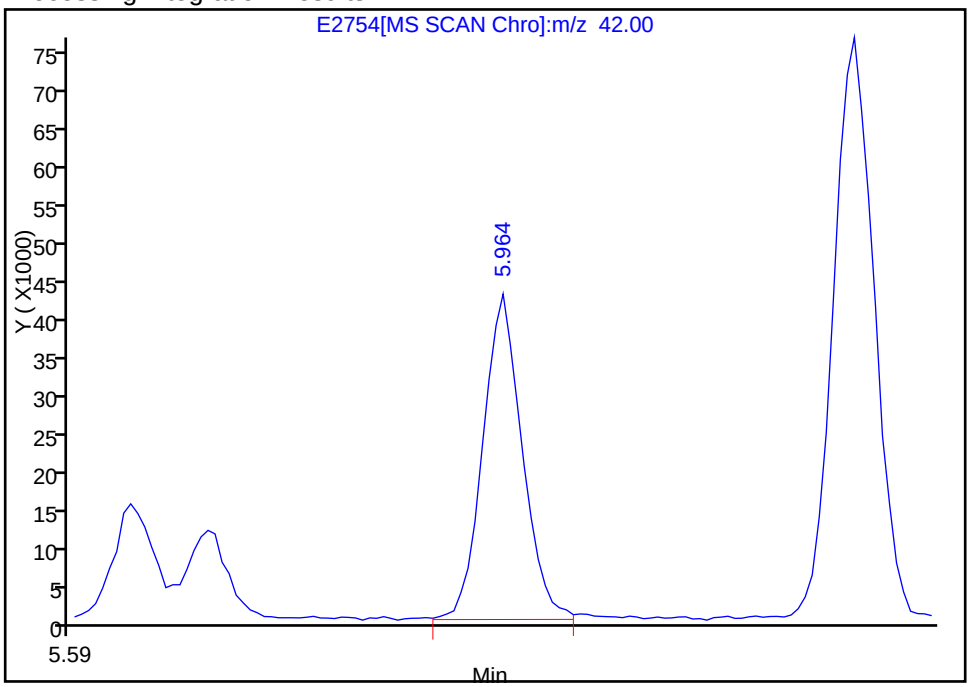
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2754.D		
Injection Date:	19-Aug-2011 05:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	5
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

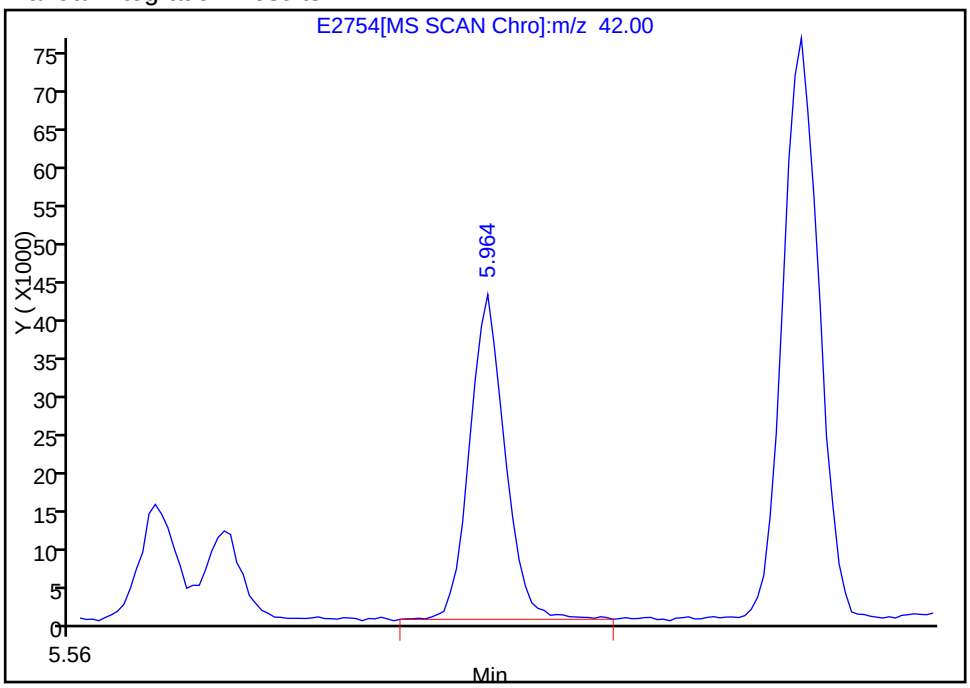
Processing Integration Results

RT: 5.96
Response: 100820
Amount: 29.036733



Manual Integration Results

RT: 5.96
Response: 101278
Amount: 44.807882



Reviewer: hallj, 20-Aug-2011 09:40:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Lims ID: std100 Client ID:
Inject. Date: 19-Aug-2011 06:29:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD100
Misc. Info.: 510-0005409-006 =510-0005409-006
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 85337 Lims Sample ID: 6
Sublist: chrom-8260-SO-VMSA-E*sub24
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m
Last Update: 20-Aug-2011 09:39:12 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hobartw Date: 19-Aug-2011 08:23:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.916	6.916	0.0	97	1576061	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	87	1254259	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.918	0.0	1	692971	50.0	M
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.533	6.533	0.0	0	381003	48.2	
$ 6 Toluene-d8 (Surr)	98	8.789	8.789	0.0	94	1598634	50.0	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	1	698835	50.7	M
8 Dichlorodifluoromethane	85	2.104	2.104	0.0	88	1571879	93.1	
9 Chloromethane	50	2.311	2.311	0.0	88	970347	93.9	
10 Vinyl chloride	62	2.444	2.444	0.0	73	1209317	94.8	
11 Bromomethane	94	2.779	2.779	0.0	90	336702	103.6	M
12 Chloroethane	64	2.895	2.895	0.0	93	808112	88.6	
13 Trichlorofluoromethane	101	3.174	3.174	0.0	80	1842843	93.7	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.509	3.509	0.0	84	1465611	93.6	
15 Acrolein	56	3.643	3.643	0.0	90	58263	89.9	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.752	3.752	0.0	69	769976	95.3	
16 1,1-Dichloroethene	96	3.752	3.752	0.0	89	956044	97.2	
18 Acetone	58	3.813	3.813	0.0	96	104255	103.0	
19 Iodomethane	142	3.929	3.929	0.0	97	664597	100.3	
20 Carbon disulfide	76	3.996	3.996	0.0	99	2981481	112.0	
21 Methyl acetate	43	4.160	4.160	0.0	96	742830	91.3	
22 Methylene Chloride	84	4.282	4.282	0.0	81	937861	94.1	
23 2-Methyl-2-propanol	59	4.409	4.409	0.0	96	383826	423.3	
24 Acrylonitrile	53	4.531	4.531	0.0	88	217644	102.6	
25 trans-1,2-Dichloroethene	96	4.561	4.561	0.0	85	1056592	96.5	
26 Methyl tert-butyl ether	73	4.574	4.574	0.0	96	2312121	94.0	
27 Hexane	57	4.860	4.860	0.0	94	1078843	97.8	
28 1,1-Dichloroethane	63	5.012	5.012	0.0	84	1778229	95.7	
29 Vinyl acetate	43	5.066	5.066	0.0	97	3020818	206.9	
30 Isopropyl ether	45	5.091	5.091	0.0	1	2682736	105.9	M
31 Tert-butyl ethyl ether	59	5.474	5.474	0.0	89	2359015	98.1	

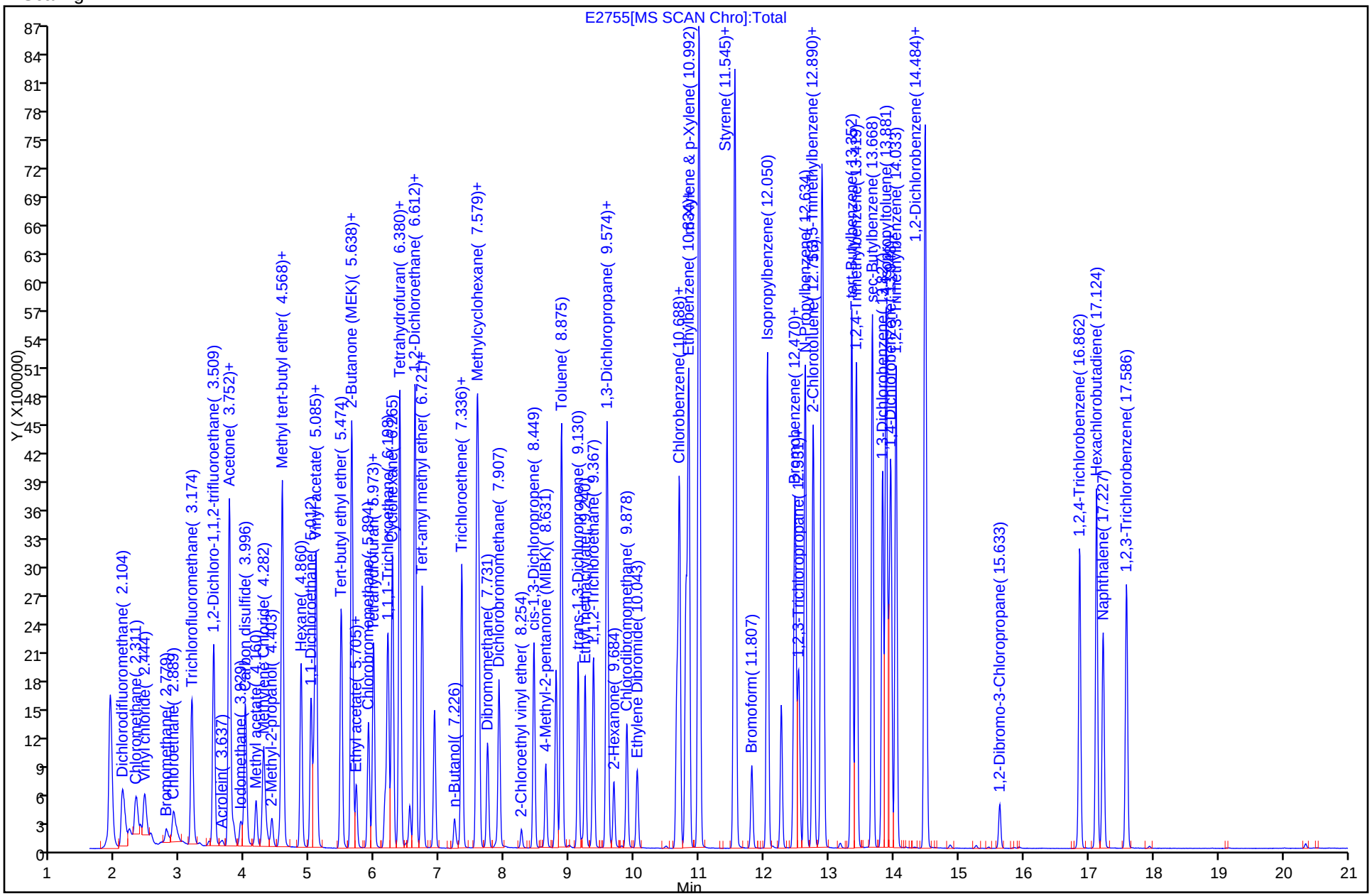
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.632	5.632	0.0	87	1235952	98.4	
33 2,2-Dichloropropane	77	5.644	5.644	0.0	80	1693524	103.1	
34 2-Butanone (MEK)	72	5.650	5.650	0.0	45	144239	102.2	
105 Ethyl acetate	43	5.705	5.705	0.0	0	789393	94.6	
93 Propionitrile	54	5.711	5.711	0.0	0	96952	94.3	M
35 Chlorobromomethane	130	5.900	5.900	0.0	86	616586	97.9	
95 Tetrahydrofuran	42	5.961	5.961	0.0	0	212855	68.5	M
36 Chloroform	83	5.979	5.979	0.0	69	1875130	112.5	
37 1,1,1-Trichloroethane	97	6.198	6.198	0.0	91	1767504	99.8	
38 Cyclohexane	84	6.265	6.265	0.0	88	1647240	102.4	
39 1,1-Dichloropropene	75	6.374	6.374	0.0	91	1675603	99.7	
40 Carbon tetrachloride	117	6.387	6.387	0.0	76	1574225	101.7	
41 Benzene	78	6.612	6.612	0.0	94	4019326	102.3	
42 1,2-Dichloroethane	62	6.618	6.618	0.0	54	1255508	97.4	
43 Isobutyl alcohol	41	6.721	6.721	0.0	41	343609	100.5	
44 Tert-amyl methyl ether	73	6.727	6.727	0.0	94	2451788	100.3	
102 n-Butanol	56	7.226	7.226	0.0	0	235486	1133.3	
45 Trichloroethene	132	7.336	7.336	0.0	90	1178384	98.4	
46 Methylcyclohexane	83	7.573	7.573	0.0	92	2063667	101.9	
47 1,2-Dichloropropane	63	7.597	7.597	0.0	0	1097568	98.5	M
48 Dibromomethane	93	7.731	7.731	0.0	90	533741	98.1	
49 Dichlorobromomethane	83	7.907	7.907	0.0	98	1392178	101.1	
50 2-Chloroethyl vinyl ether	63	8.254	8.254	0.0	89	94522	184.1	
54 cis-1,3-Dichloropropene	75	8.449	8.449	0.0	91	1561084	106.9	
52 4-Methyl-2-pentanone (MIBK)	43	8.631	8.631	0.0	95	667789	101.7	
53 Toluene	91	8.875	8.875	0.0	89	4103133	101.6	
51 trans-1,3-Dichloropropene	75	9.130	9.130	0.0	93	1337558	107.1	
55 Ethyl methacrylate	69	9.234	9.234	0.0	77	1300928	107.2	
56 1,1,2-Trichloroethane	83	9.367	9.367	0.0	88	688422	97.1	
57 Tetrachloroethene	164	9.568	9.568	0.0	86	938223	97.8	
58 1,3-Dichloropropane	76	9.586	9.586	0.0	89	1443971	98.0	
59 2-Hexanone	43	9.684	9.684	0.0	67	539830	103.0	
60 Chlorodibromomethane	129	9.878	9.878	0.0	89	880984	103.9	
61 Ethylene Dibromide	107	10.043	10.043	0.0	99	735990	100.6	
62 Chlorobenzene	112	10.694	10.694	0.0	94	2653218	102.3	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	87	1018577	103.2	
64 Ethylbenzene	91	10.834	10.834	0.0	94	4496239	101.7	
65 m-Xylene & p-Xylene	91	10.998	10.998	0.0	0	6116139	204.3	
66 o-Xylene	91	11.539	11.539	0.0	85	3756817	102.6	
67 Styrene	104	11.557	11.557	0.0	85	2940275	99.3	
68 Bromoform	173	11.807	11.807	0.0	95	517502	107.0	
69 Isopropylbenzene	105	12.050	12.050	0.0	93	4148065	101.7	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	1	973620	97.8	M
70 Bromobenzene	156	12.482	12.482	0.0	0	1160436	100.6	M
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	44	1263472	103.3	M
73 trans-1,4-Dichloro-2-butene	53	12.543	12.543	0.0	37	243391	103.9	M
74 N-Propylbenzene	91	12.634	12.634	0.0	92	5071718	101.2	M
75 2-Chlorotoluene	91	12.756	12.756	0.0	96	3309820	97.5	M
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	81	3804931	102.3	M
77 4-Chlorotoluene	91	12.908	12.908	0.0	70	3756231	102.2	M
78 tert-Butylbenzene	119	13.352	13.352	0.0	48	3562836	102.7	M
80 1,2,4-Trimethylbenzene	105	13.419	13.419	0.0	76	3852325	104.0	M

	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	64	4748585	101.8	M
82	1,3-Dichlorobenzene	146	13.827	13.827	0.0	85	2071556	95.5	M
79	4-Isopropyltoluene	119	13.881	13.881	0.0	12	4001016	101.0	M
83	1,4-Dichlorobenzene	146	13.954	13.954	0.0	1	2044589	112.5	M
99	1,2,3-Trimethylbenzene	105	14.033	14.033	0.0	0	3799991	89.3	M
84	n-Butylbenzene	91	14.478	14.478	0.0	1	3858185	101.3	M
85	1,2-Dichlorobenzene	146	14.496	14.496	0.0	1	1839293	112.9	M
86	1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	0	177996	104.1	M
87	1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	15	1327039	102.6	M
88	Hexachlorobutadiene	225	17.124	17.124	0.0	0	986831	99.7	M
89	Naphthalene	128	17.227	17.227	0.0	1	2494742	102.3	M
90	1,2,3-Trichlorobenzene	180	17.586	17.586	0.0	0	1228052	100.9	M
S 92	Total 1,2-dichloroethene	100				0		194.9	
S 91	Xylenes, Total	100				0		306.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

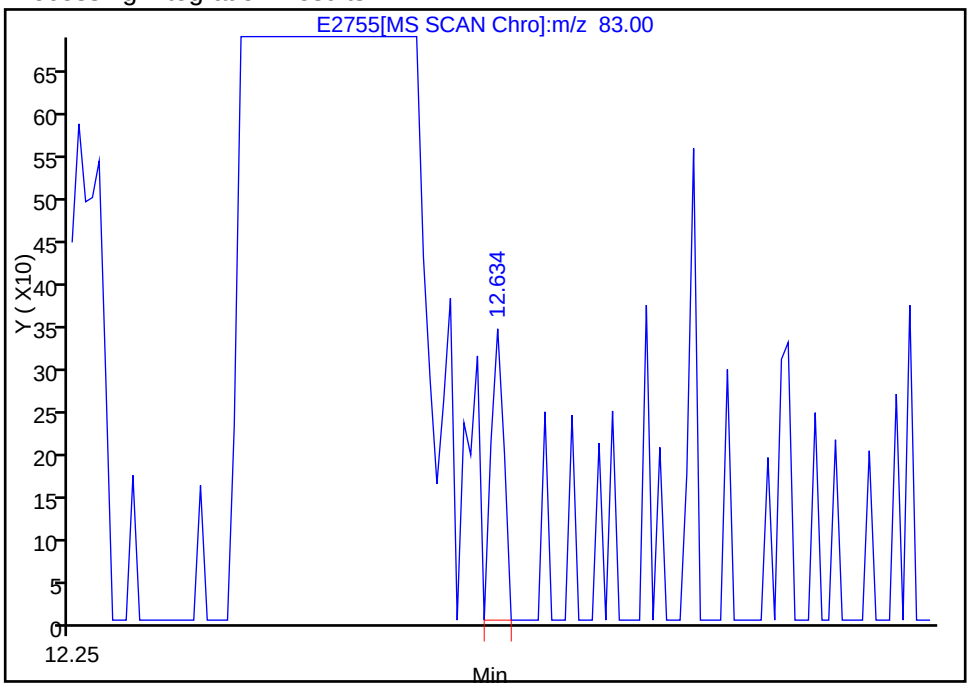
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

71 1,1,2,2-Tetrachloroethane, Signal: 1, m/z: 83.0 Type: quant, RT: 12.46

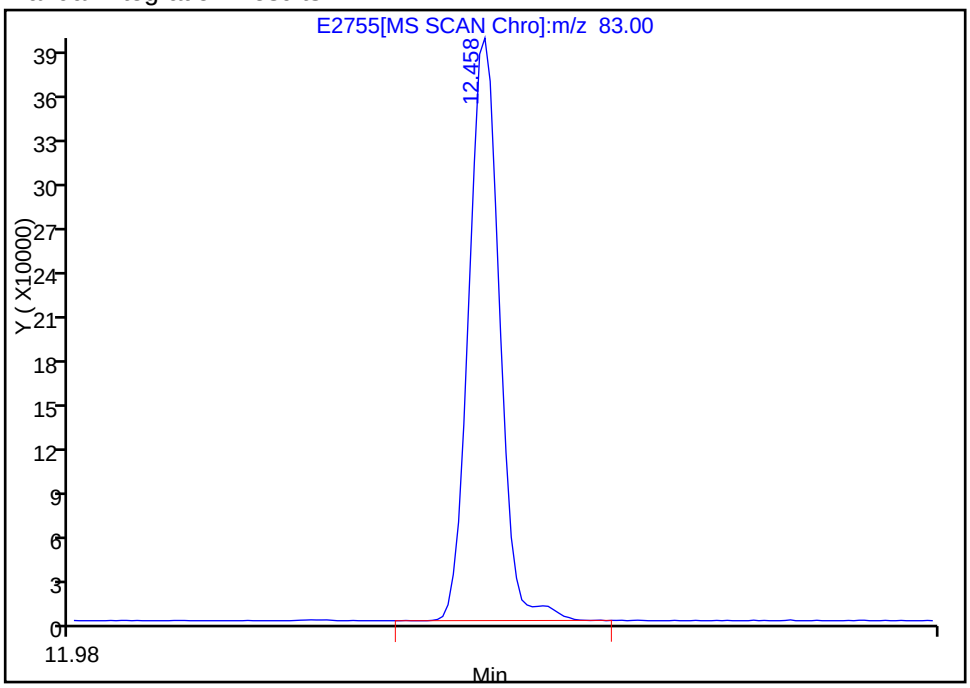
Processing Integration Results

RT: 12.63
Response: 274
Amount: 0.031896



Manual Integration Results

RT: 12.46
Response: 973620
Amount: 97.759466



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

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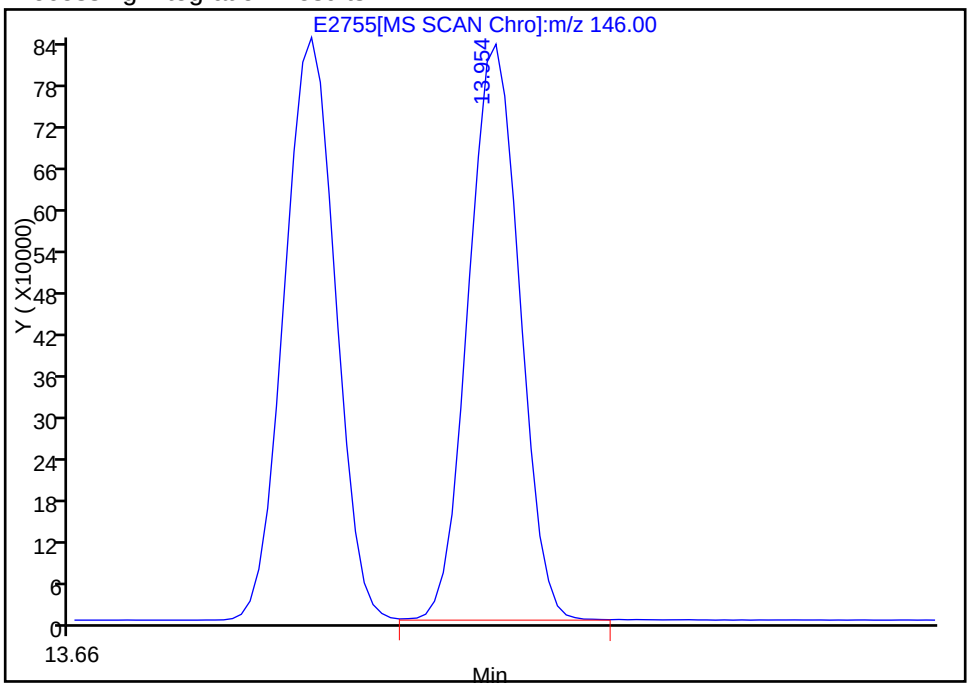
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

82 1,3-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.83

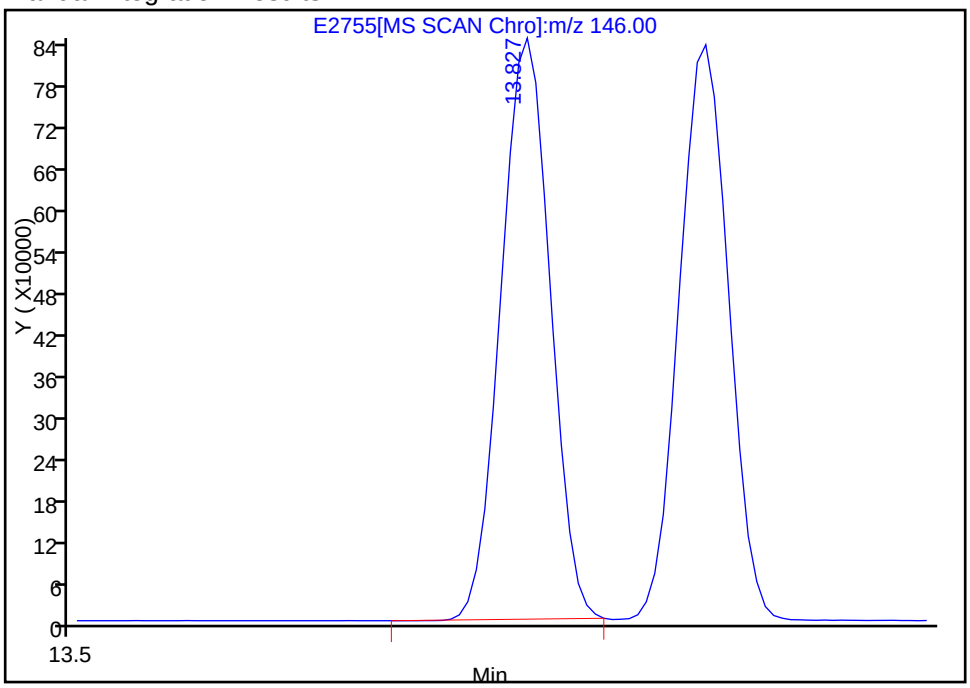
Processing Integration Results

RT: 13.95
Response: 2063610
Amount: 88.893137



Manual Integration Results

RT: 13.83
Response: 2071556
Amount: 95.479020



Reviewer: hobartw, 19-Aug-2011 08:23:25
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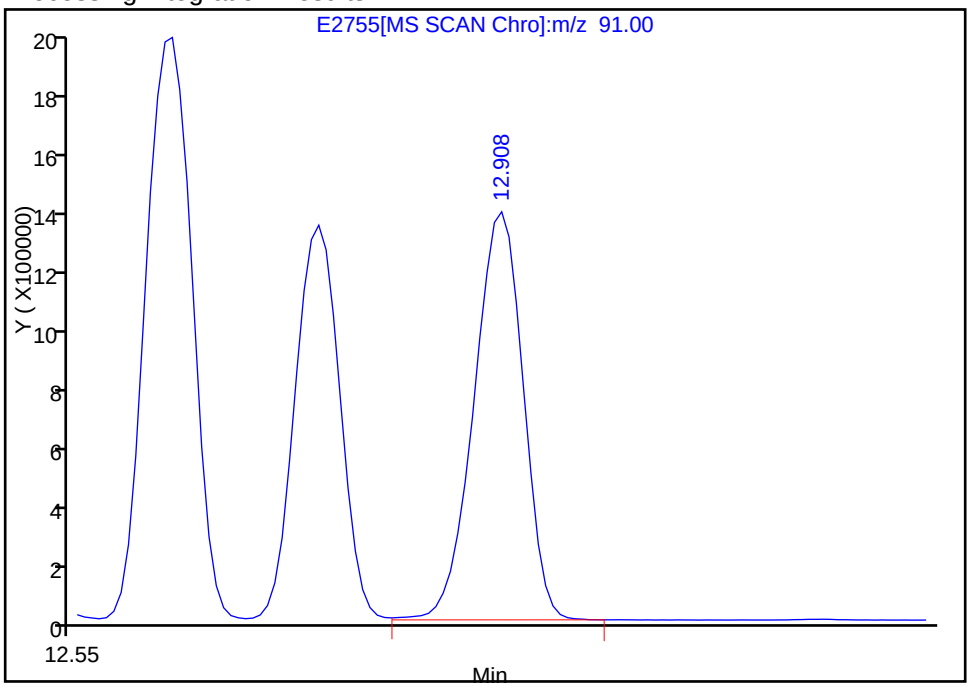
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

75 2-Chlorotoluene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.76

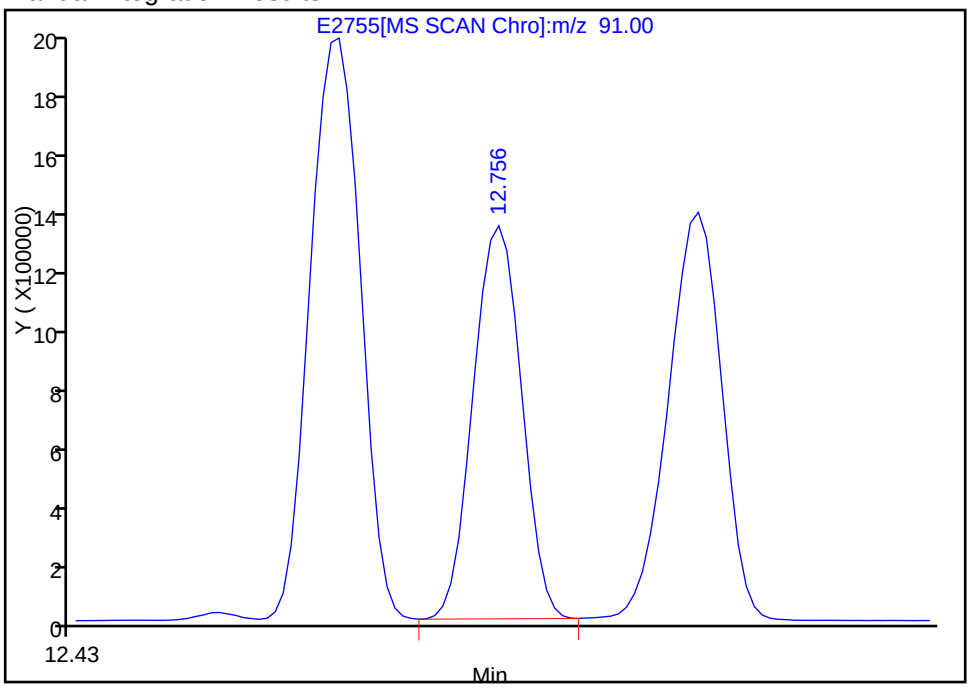
Processing Integration Results

RT: 12.91
Response: 3809205
Amount: 101.3109



Manual Integration Results

RT: 12.76
Response: 3309820
Amount: 97.459456



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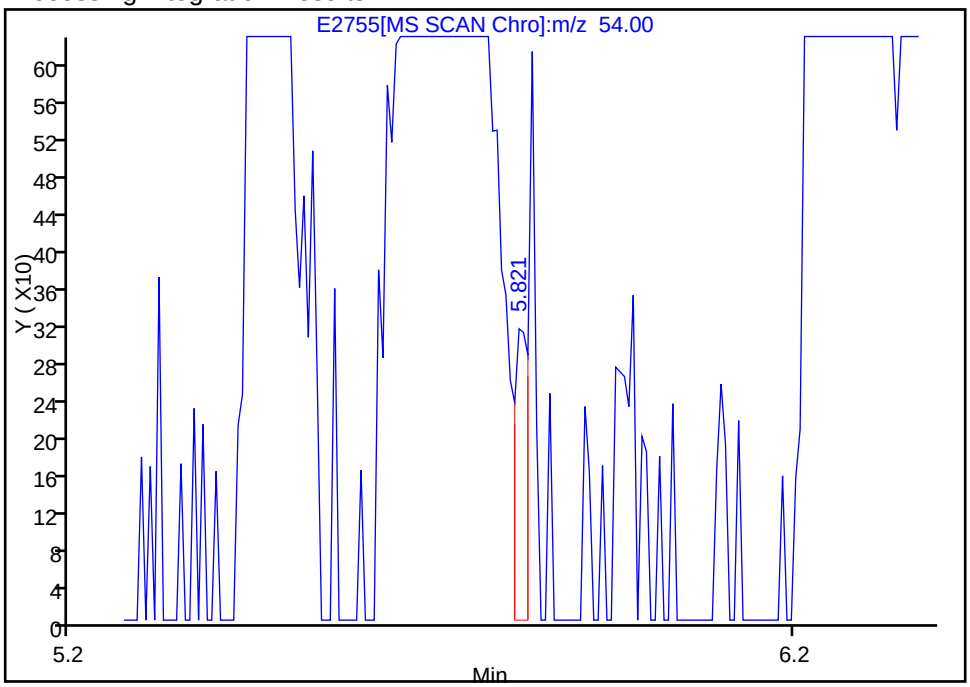
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

93 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 5.71

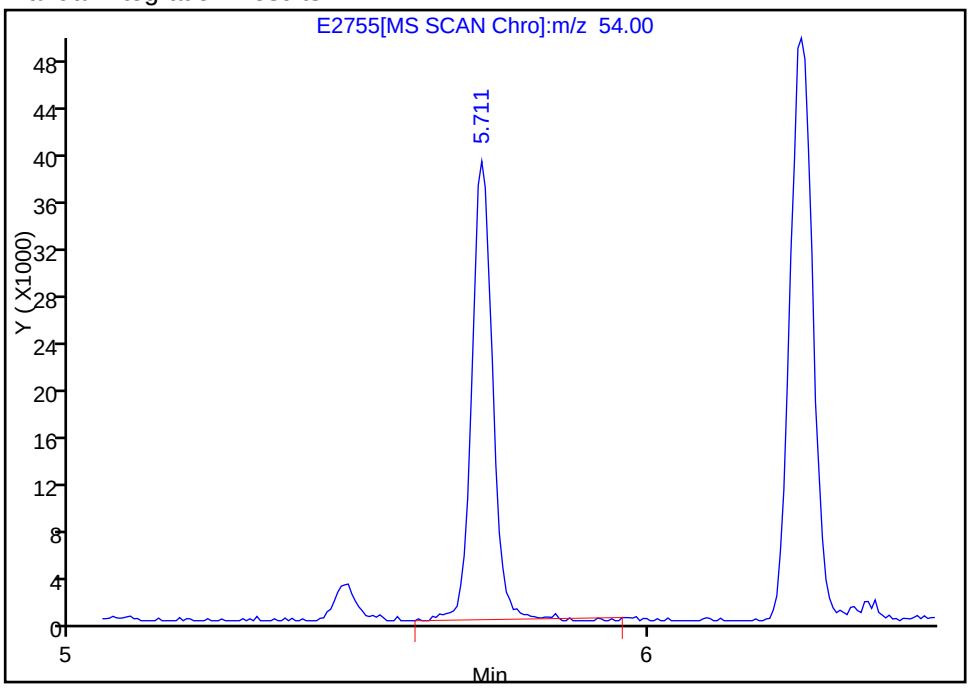
Processing Integration Results

RT: 5.82
Response: 414
Amount: 0.460764



Manual Integration Results

RT: 5.71
Response: 96952
Amount: 94.298488



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Audit Reason: Peak Tail

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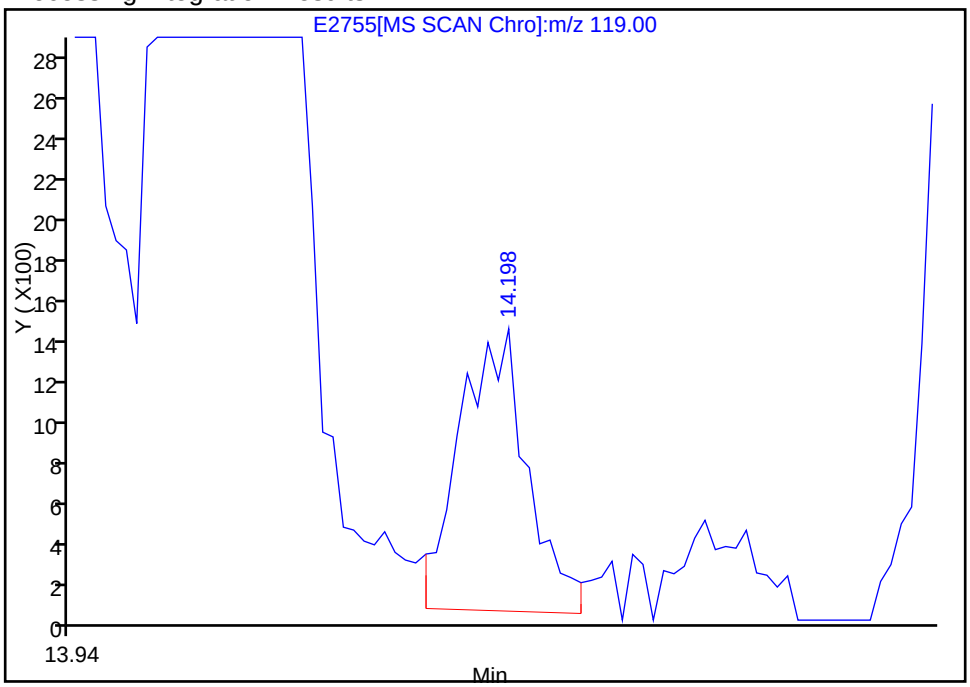
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

79 4-Isopropyltoluene, Signal: 1, m/z: 119.0 Type: quant, RT: 13.88

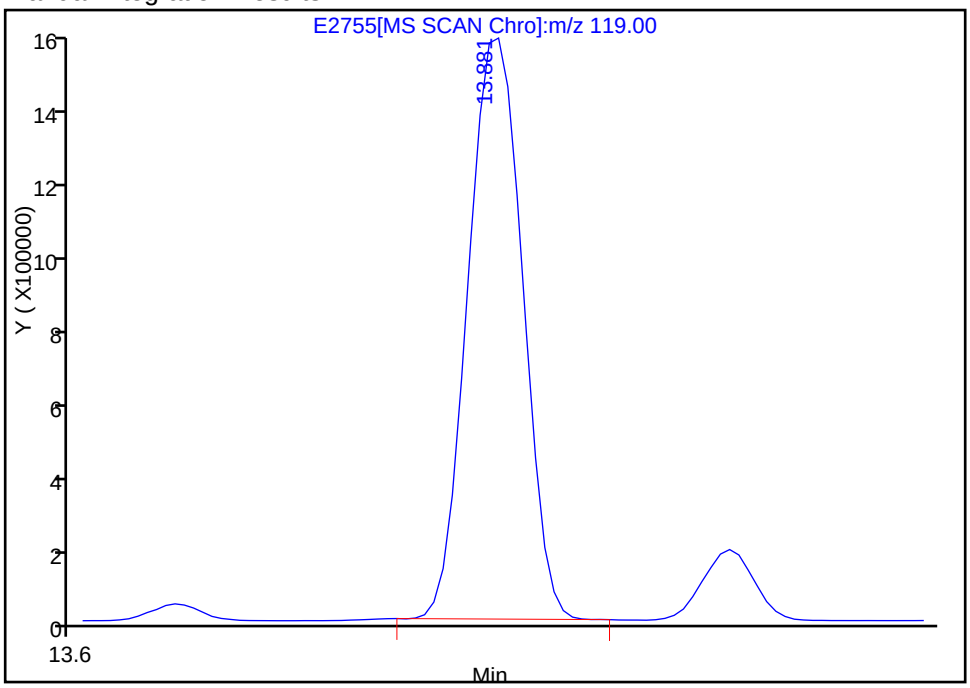
Processing Integration Results

RT: 14.20
Response: 3774
Amount: 0.101694



Manual Integration Results

RT: 13.88
Response: 4001016
Amount: 101.0456



Reviewer: hobartw, 19-Aug-2011 08:23:25
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Audit Reason: Assign Peak

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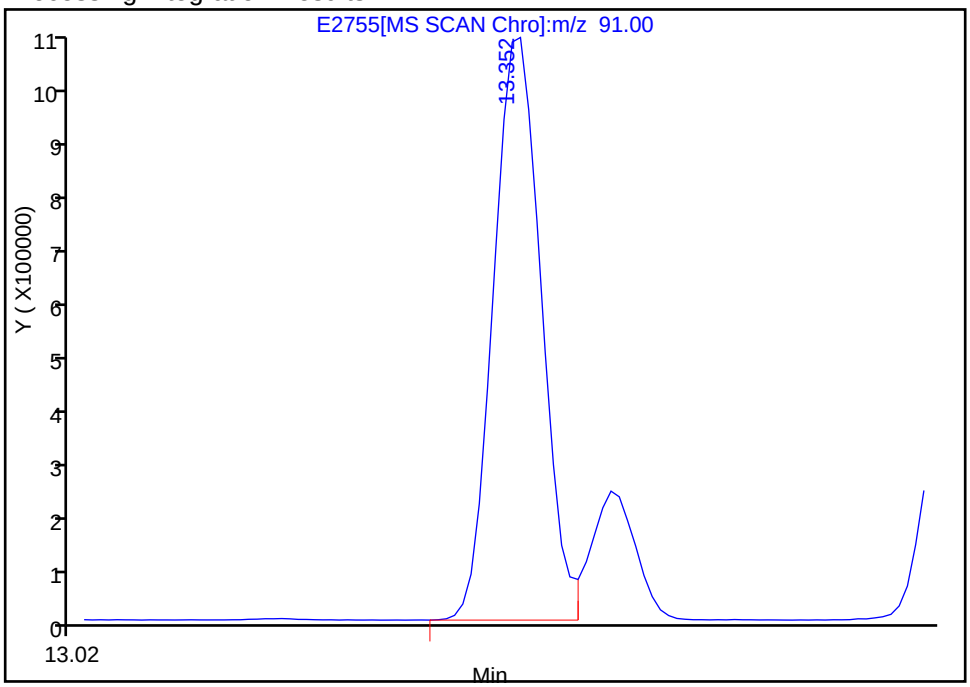
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

77 4-Chlorotoluene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.91

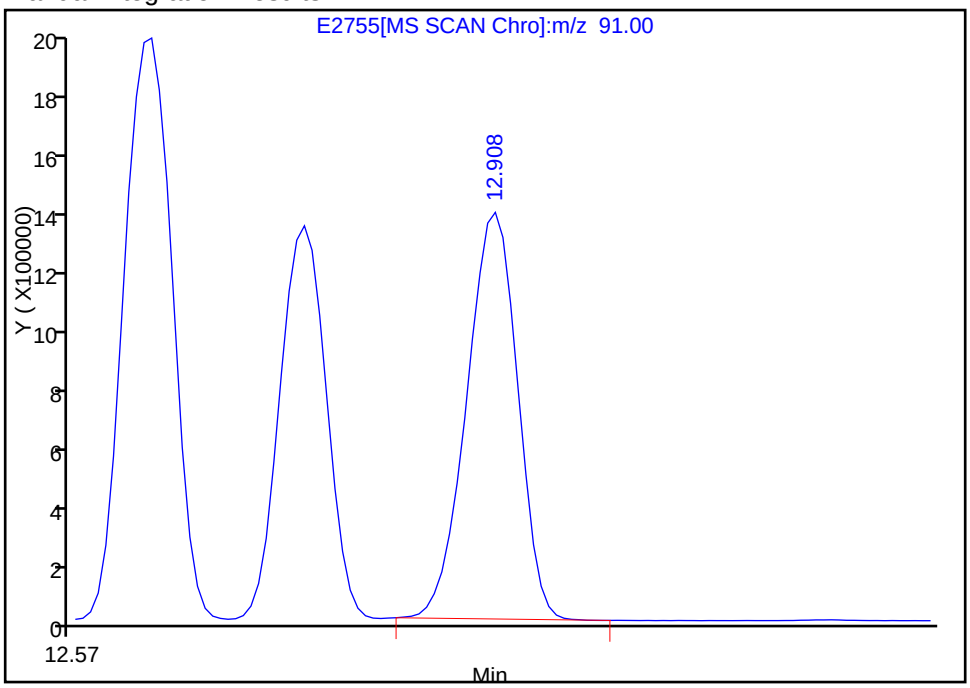
Processing Integration Results

RT: 13.35
Response: 2708519
Amount: 95.979265



Manual Integration Results

RT: 12.91
Response: 3756231
Amount: 102.2012



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Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

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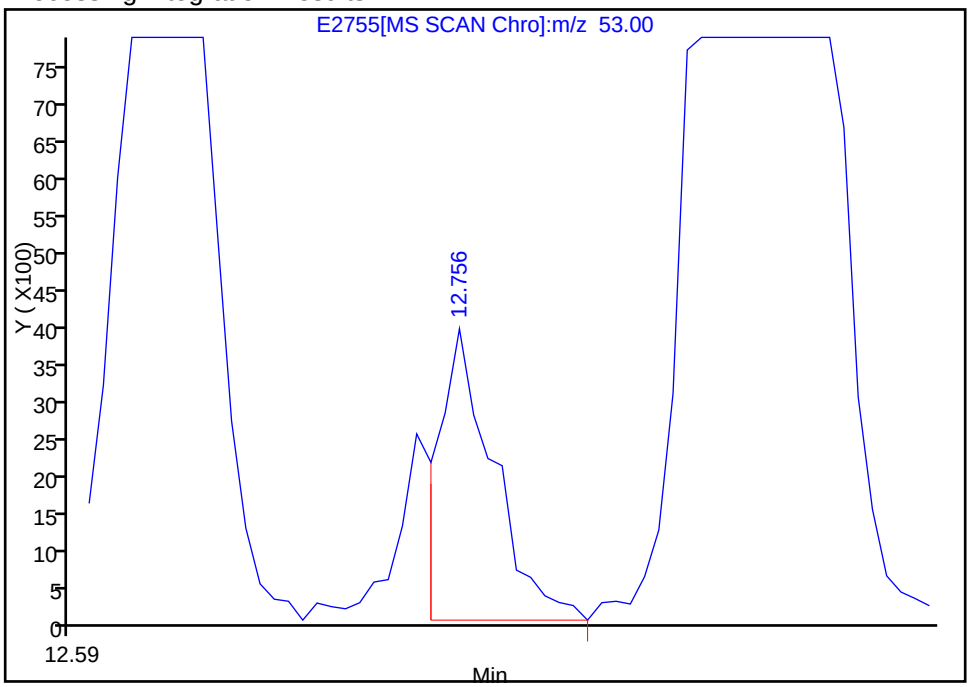
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

73 trans-1,4-Dichloro-2-butene, Signal: 1, m/z: 53.0 Type: quant, RT: 12.54

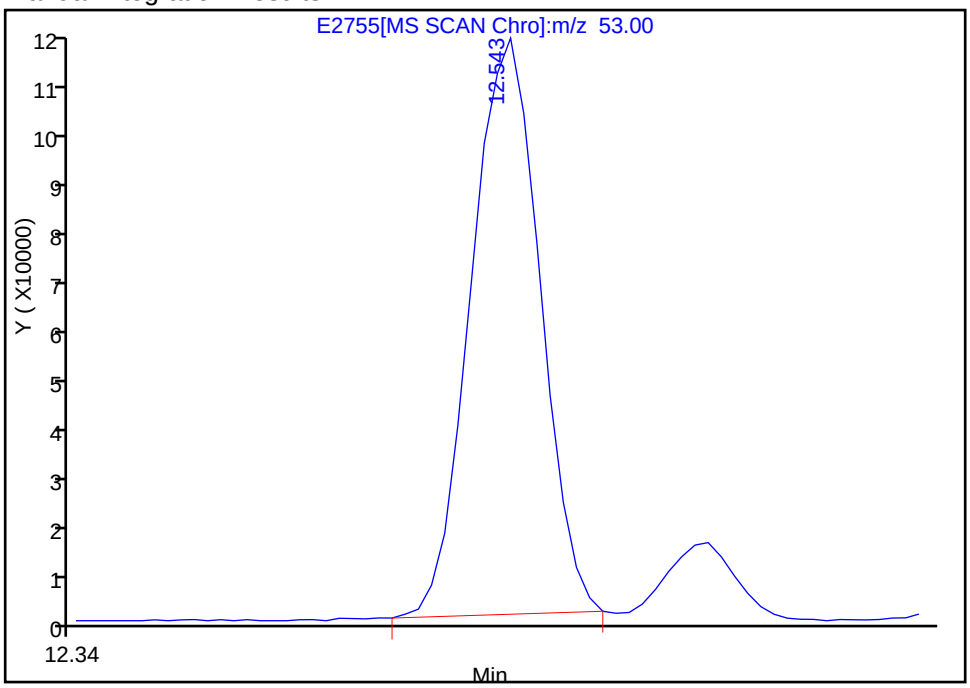
Processing Integration Results

RT: 12.76
Response: 6526
Amount: 3.589362



Manual Integration Results

RT: 12.54
Response: 243391
Amount: 103.8860



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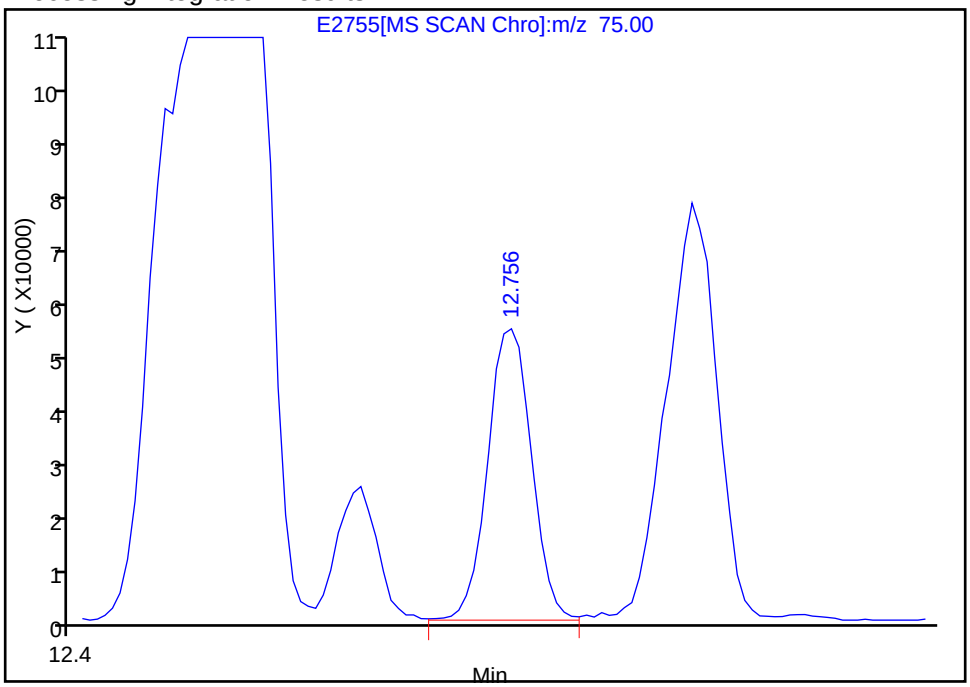
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

72 1,2,3-Trichloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 12.52

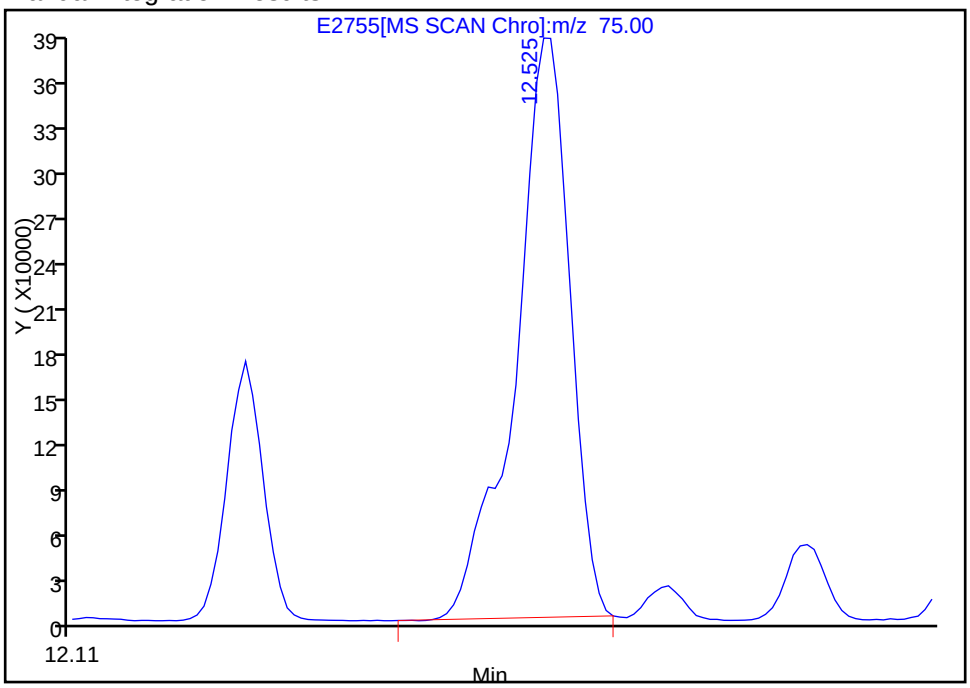
Processing Integration Results

RT: 12.76
Response: 123955
Amount: 12.362476



Manual Integration Results

RT: 12.52
Response: 1263472
Amount: 103.2707



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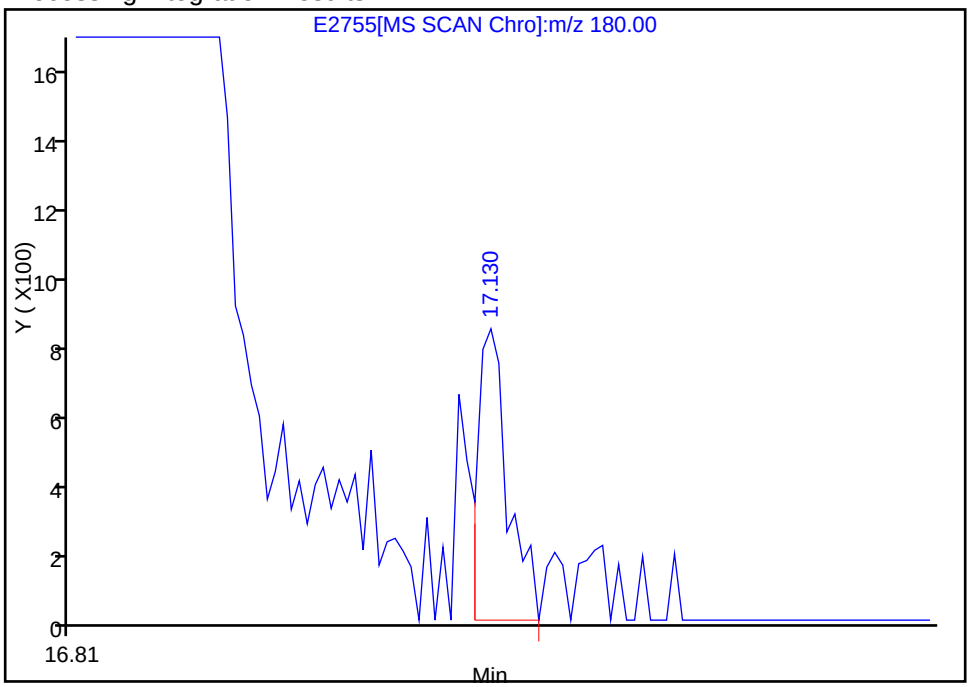
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

87 1,2,4-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 16.87

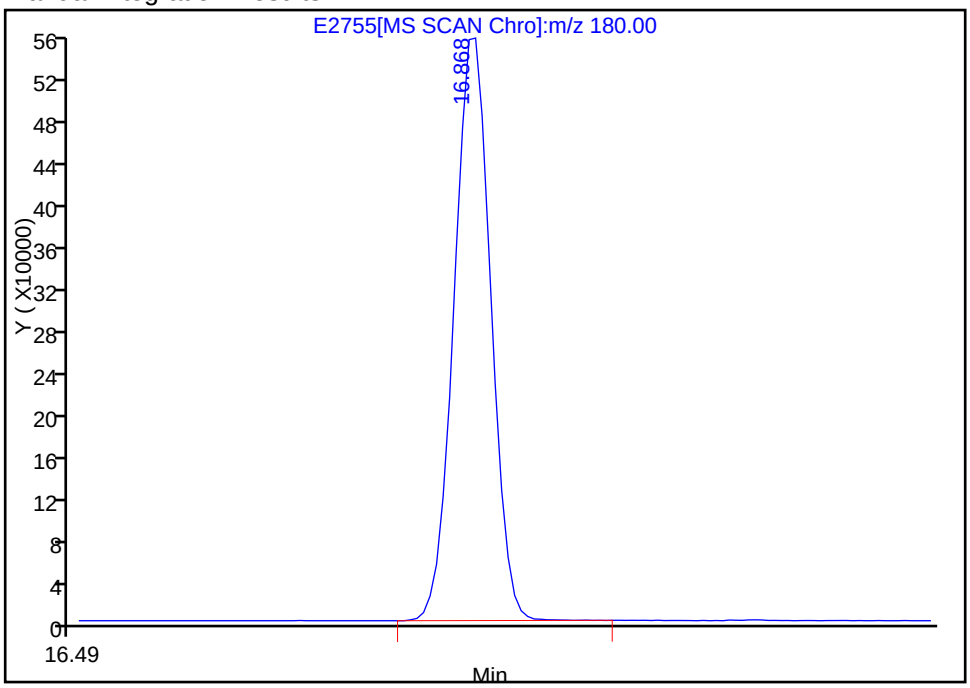
Processing Integration Results

RT: 17.13
Response: 1309
Amount: 0.122902



Manual Integration Results

RT: 16.87
Response: 1327039
Amount: 102.5961



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Audit Reason: Assign Peak

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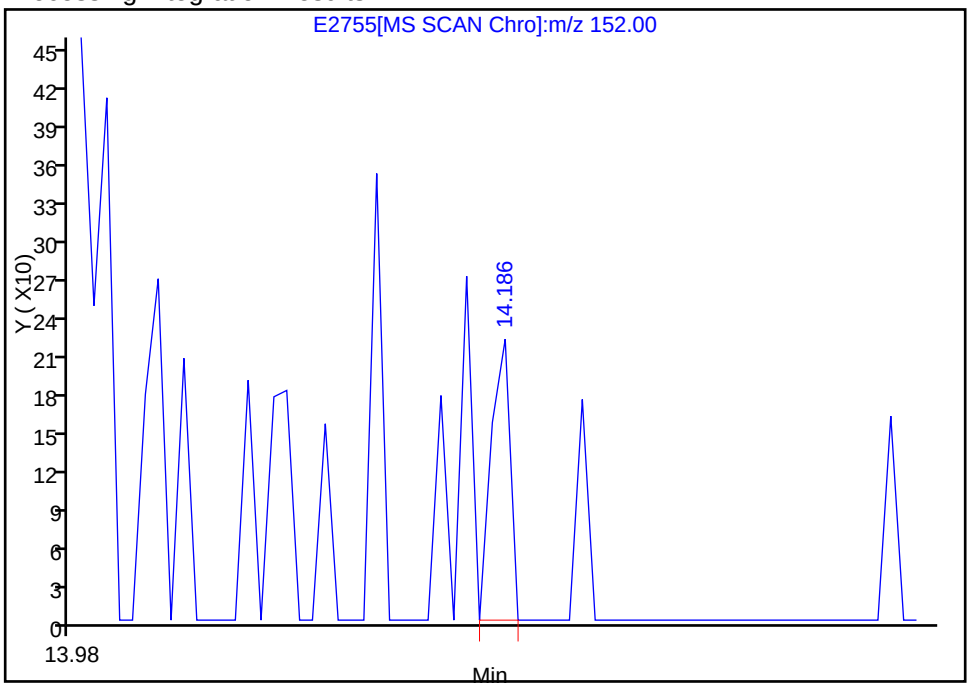
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

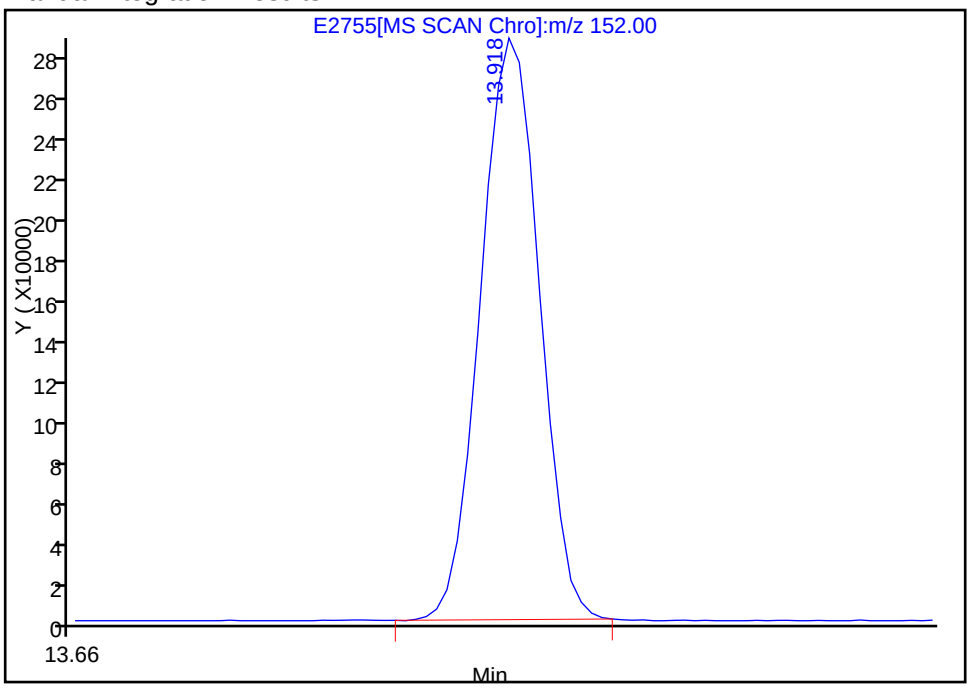
Processing Integration Results

RT: 14.19
Response: 136
Amount: 50.000000



Manual Integration Results

RT: 13.92
Response: 692971
Amount: 50.000000



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Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

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Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D

Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

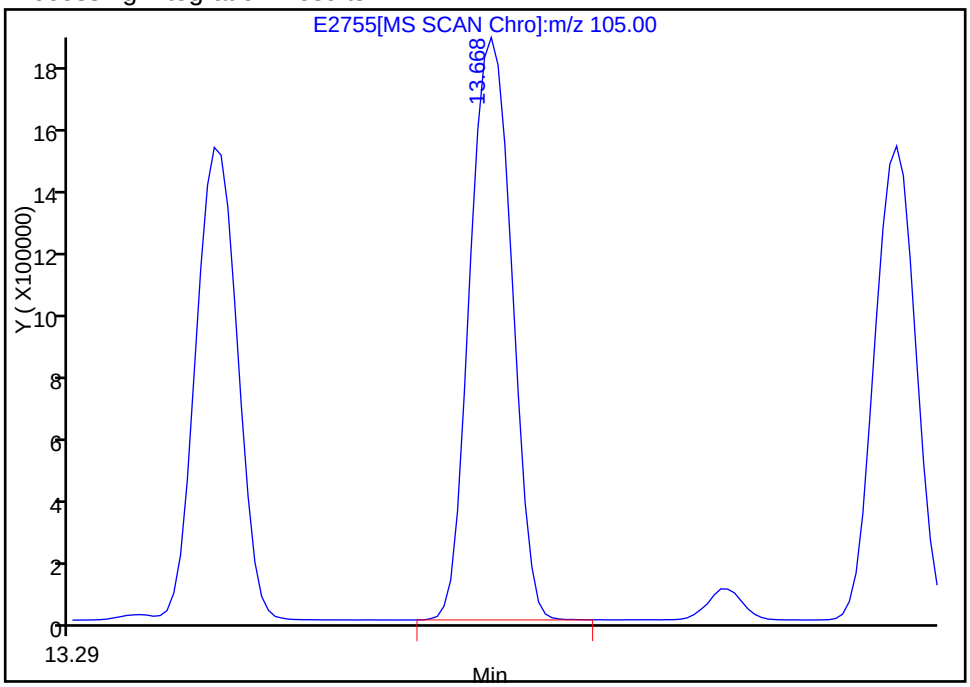
Lims Batch ID: 85337 Lims Sample ID: 6

Operator ID: WH

80 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 13.42

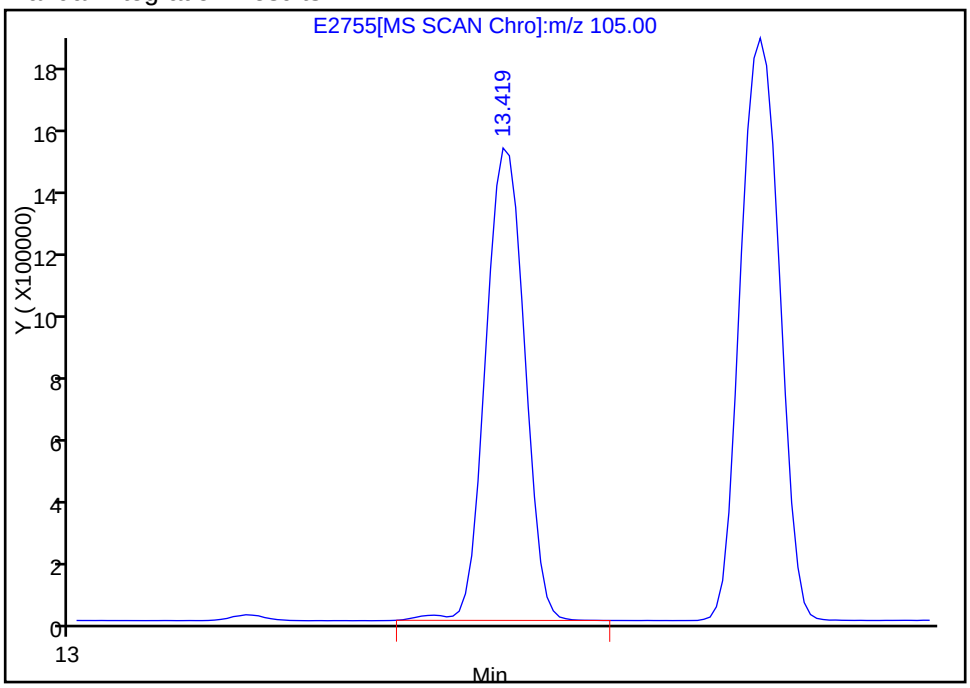
Processing Integration Results

RT: 13.67
Response: 4755622
Amount: 105.7393



Manual Integration Results

RT: 13.42
Response: 3852325
Amount: 103.9782



Reviewer: hobartw, 19-Aug-2011 08:23:25

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

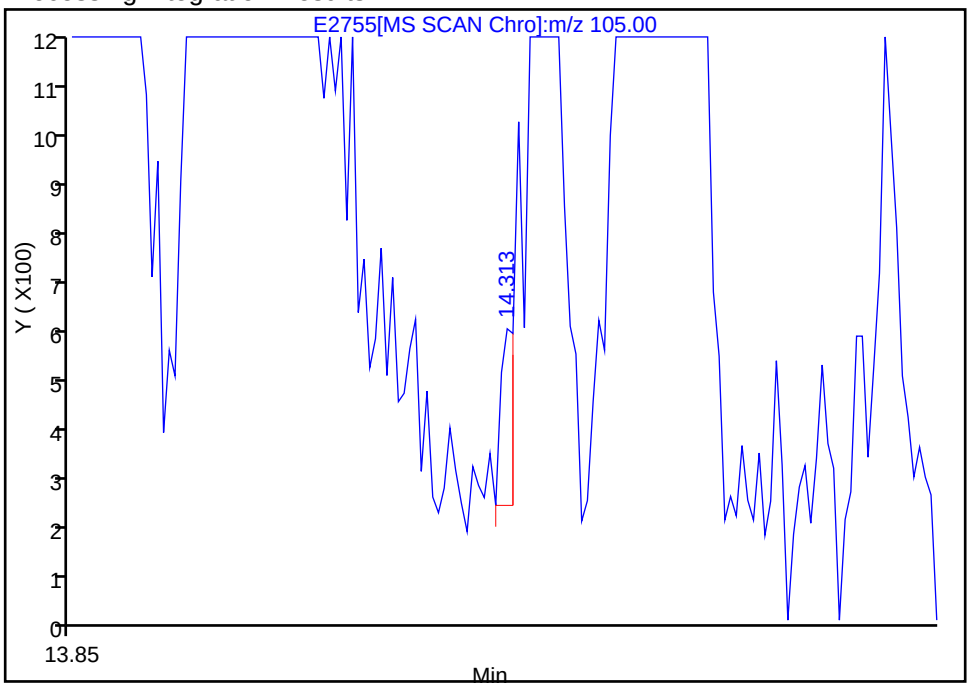
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D		
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

99 1,2,3-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 14.03

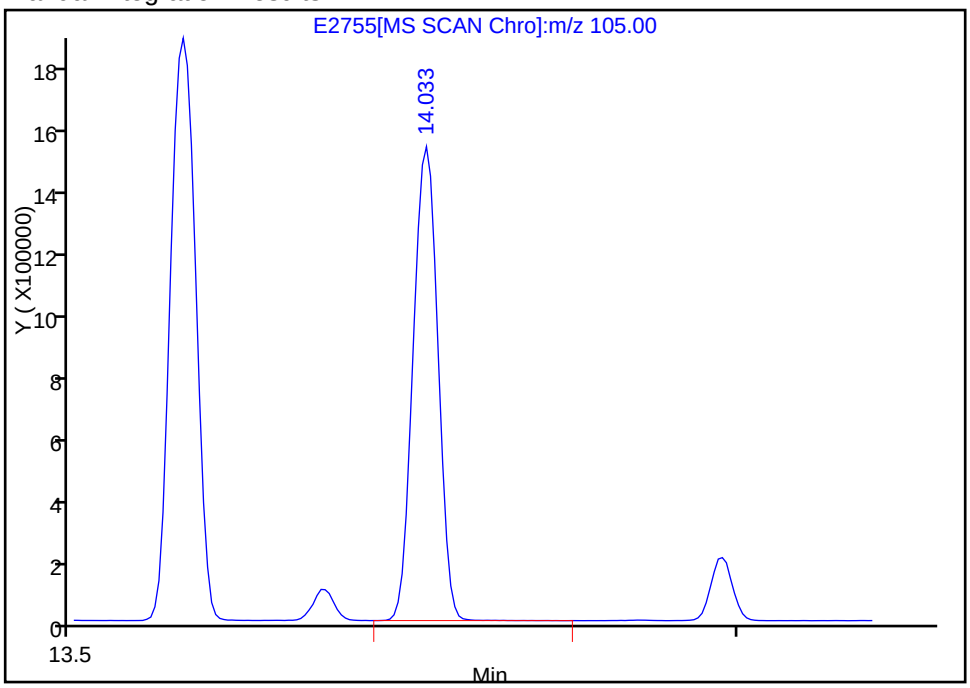
Processing Integration Results

RT: 14.31
Response: 336
Amount: 0.009612



Manual Integration Results

RT: 14.03
Response: 3799991
Amount: 89.297537



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

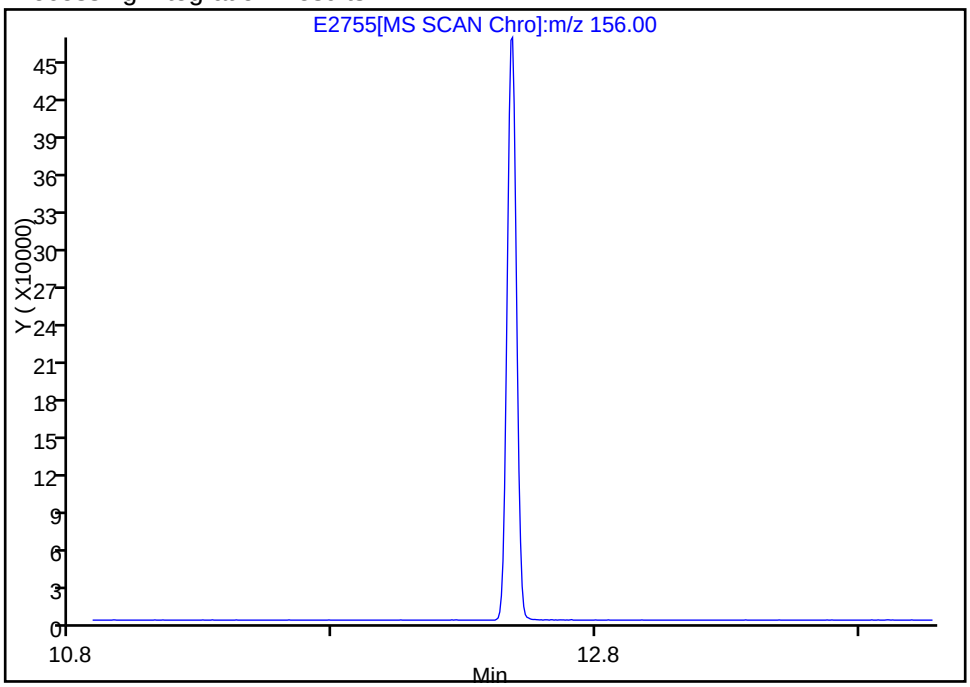
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D		
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

70 Bromobenzene, Signal: 1, m/z: 156.0 Type: quant, RT: 12.48

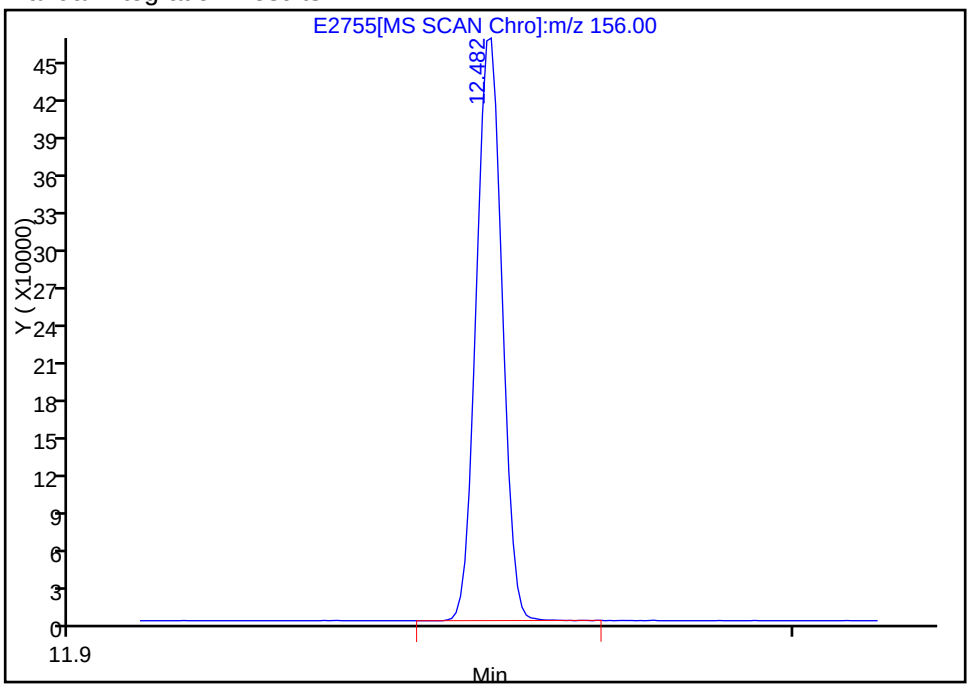
Processing Integration Results

Not Detected
Expected RT: 12.48



Manual Integration Results

RT: 12.48
Response: 1160436
Amount: 100.5792



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

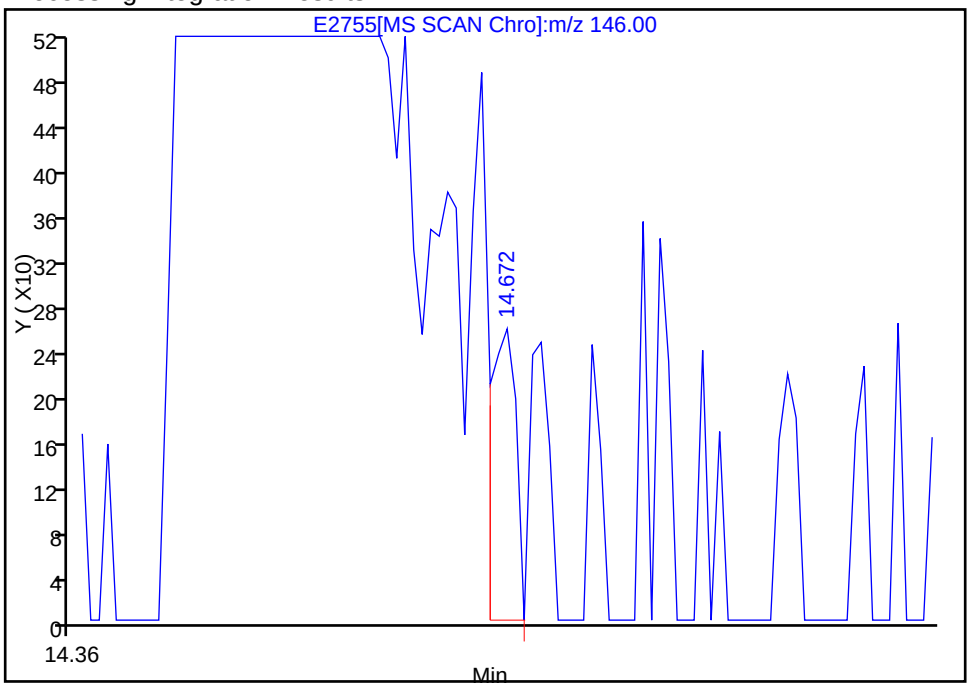
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D		
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

85 1,2-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 14.50

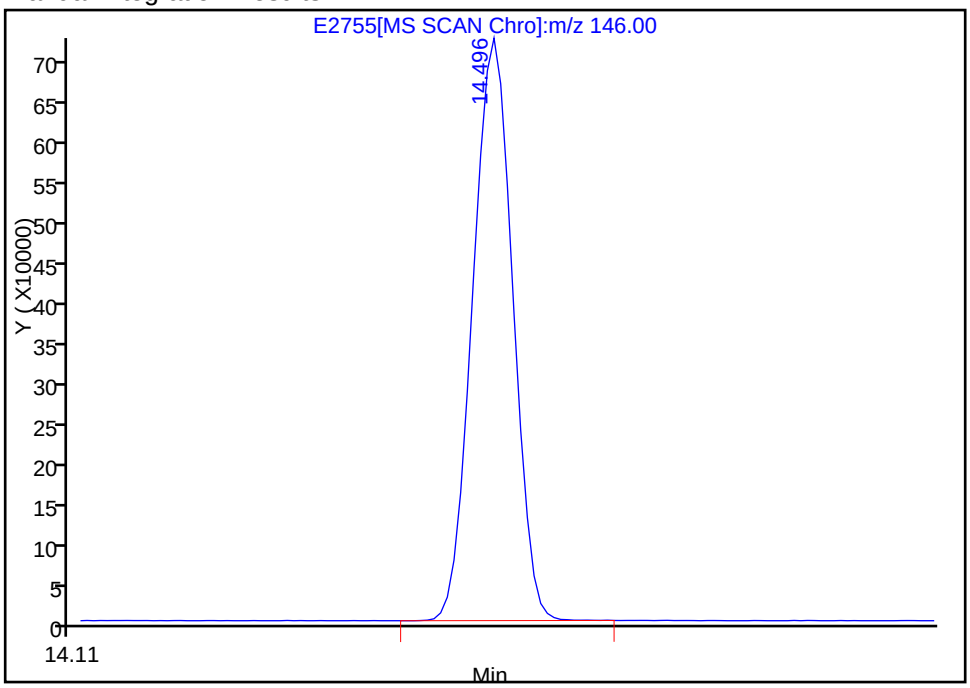
Processing Integration Results

RT: 14.67
Response: 328
Amount: 0.018965



Manual Integration Results

RT: 14.50
Response: 1839293
Amount: 112.8944



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Audit Reason: Assign Peak

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Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D

Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

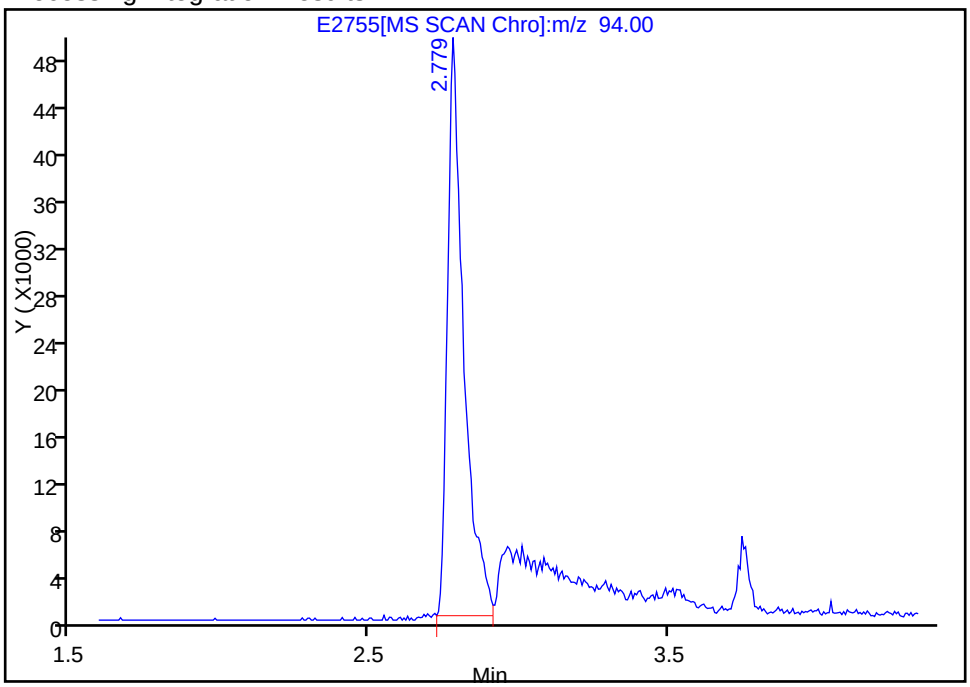
Lims Batch ID: 85337 Lims Sample ID: 6

Operator ID: WH

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.78

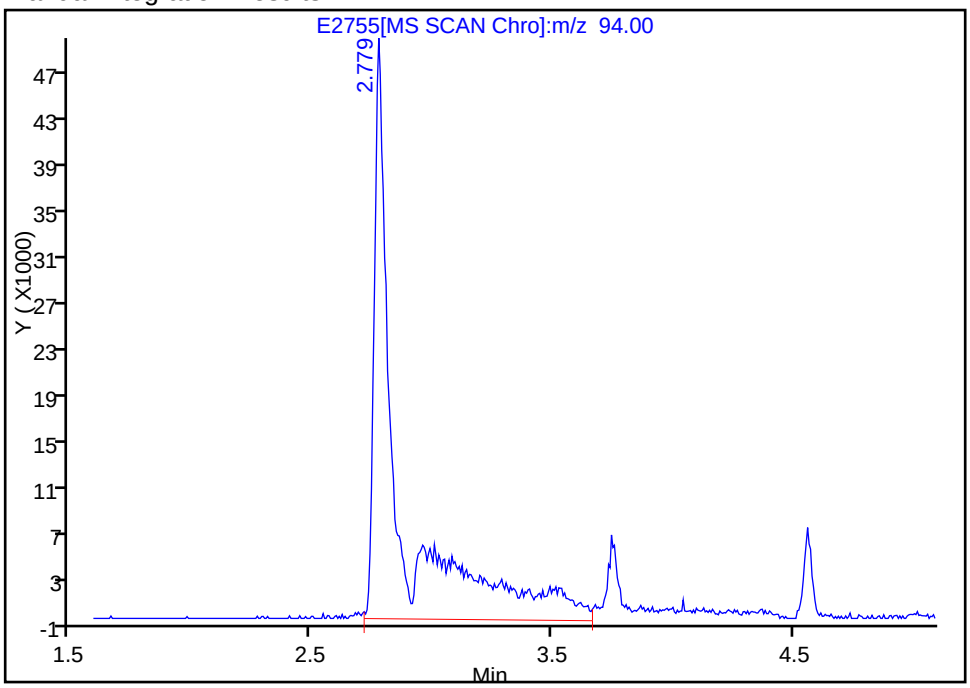
Processing Integration Results

RT: 2.78
Response: 187786
Amount: 61.317589



Manual Integration Results

RT: 2.78
Response: 336702
Amount: 103.5989



Reviewer: hobartw, 19-Aug-2011 08:23:25

Audit Action: Manually Integrated

Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D

Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 6

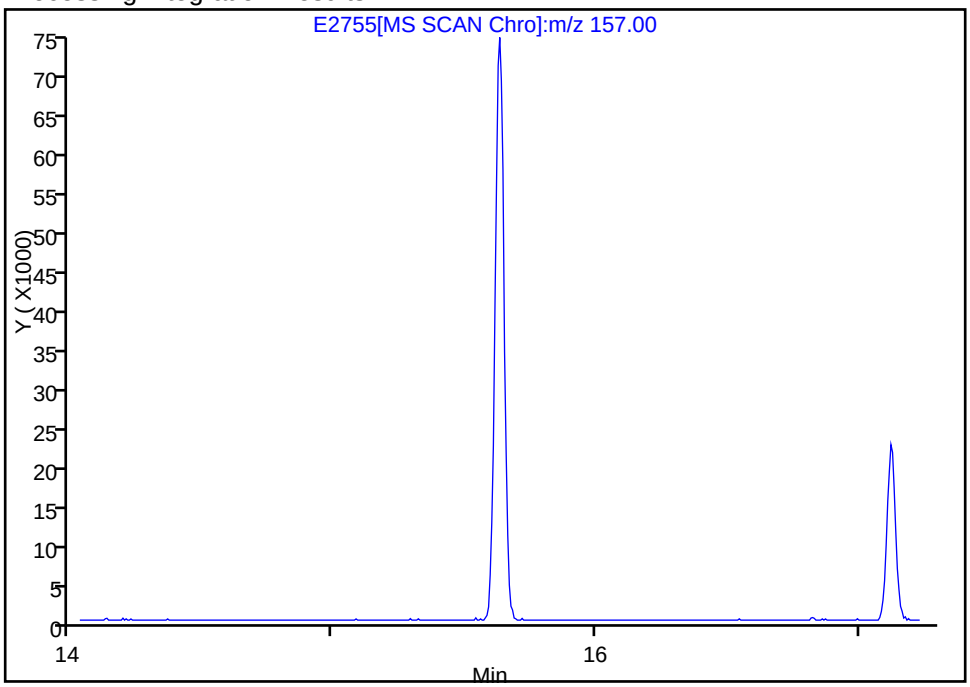
Operator ID: WH

86 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 15.63

Processing Integration Results

Not Detected

Expected RT: 15.63

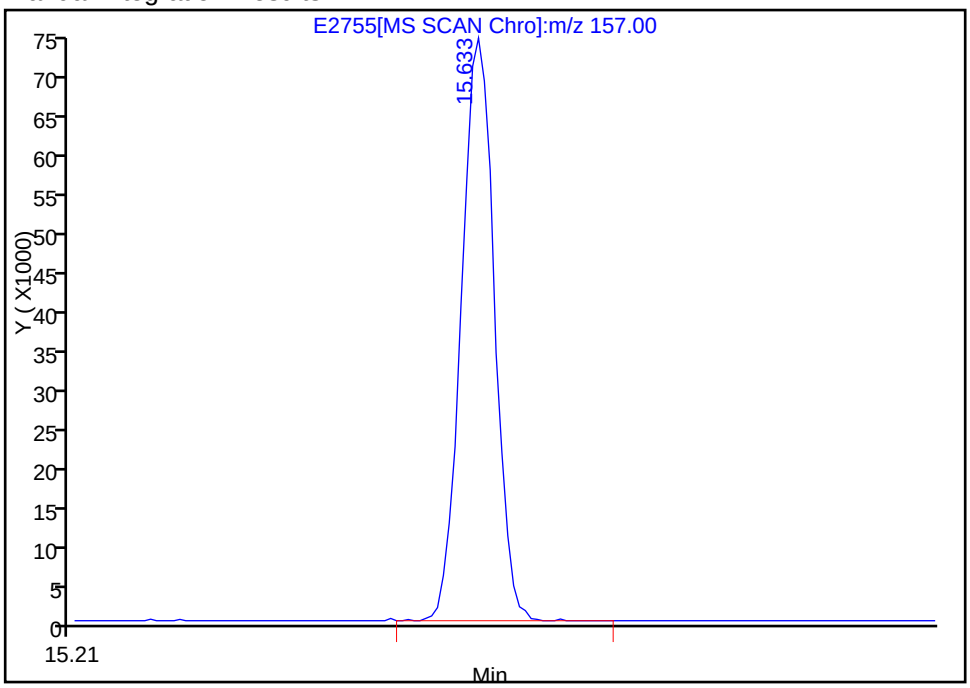


Manual Integration Results

RT: 15.63

Response: 177996

Amount: 104.1441



Reviewer: hobartw, 19-Aug-2011 08:23:25

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

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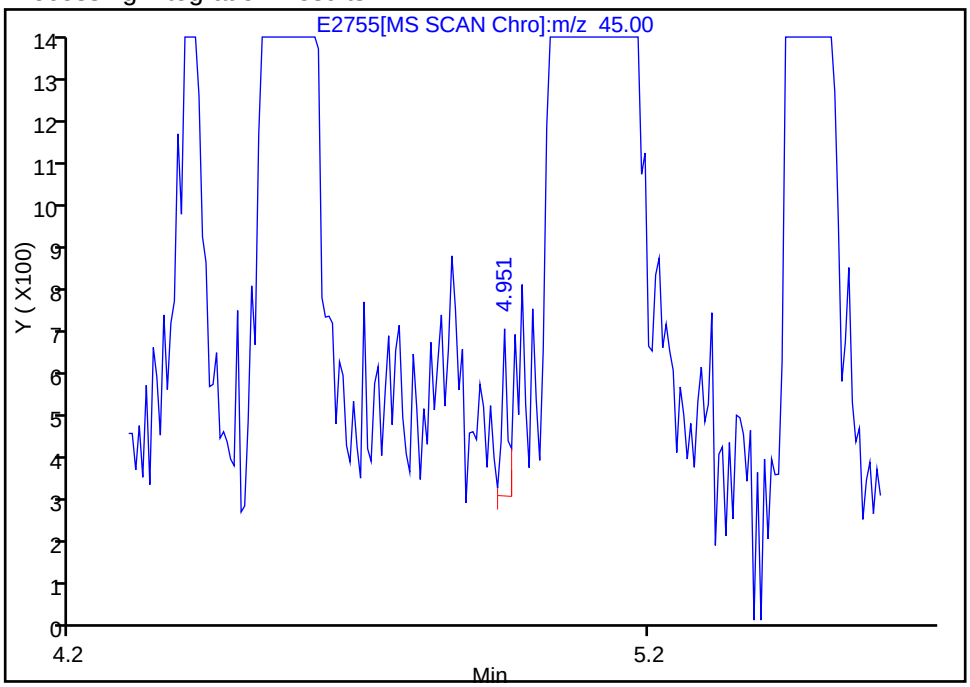
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

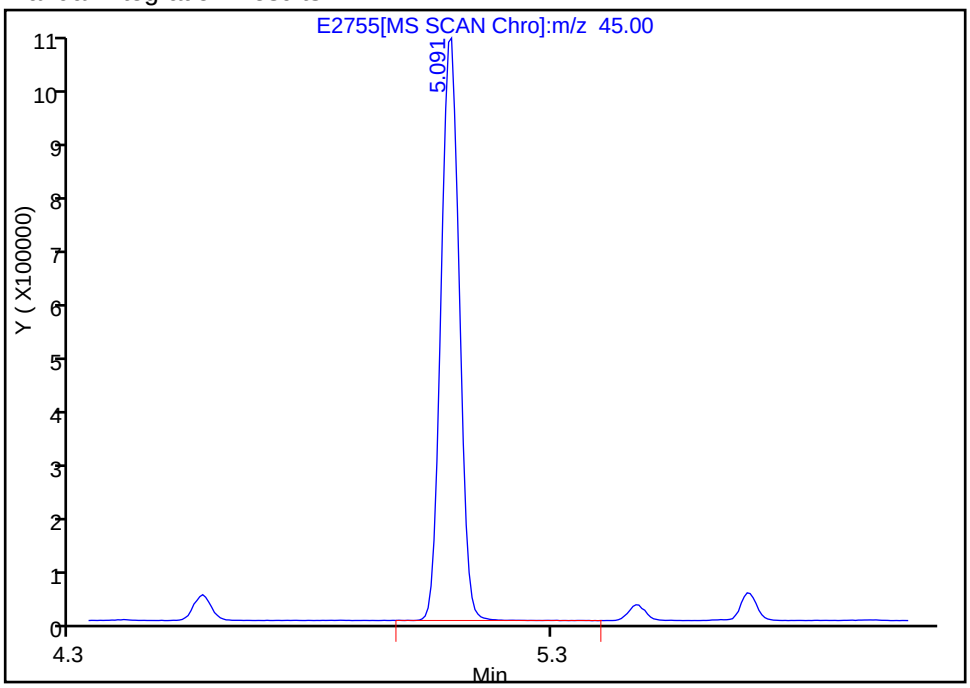
Processing Integration Results

RT: 4.95
Response: 279
Amount: 0.011730



Manual Integration Results

RT: 5.09
Response: 2682736
Amount: 105.8591



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

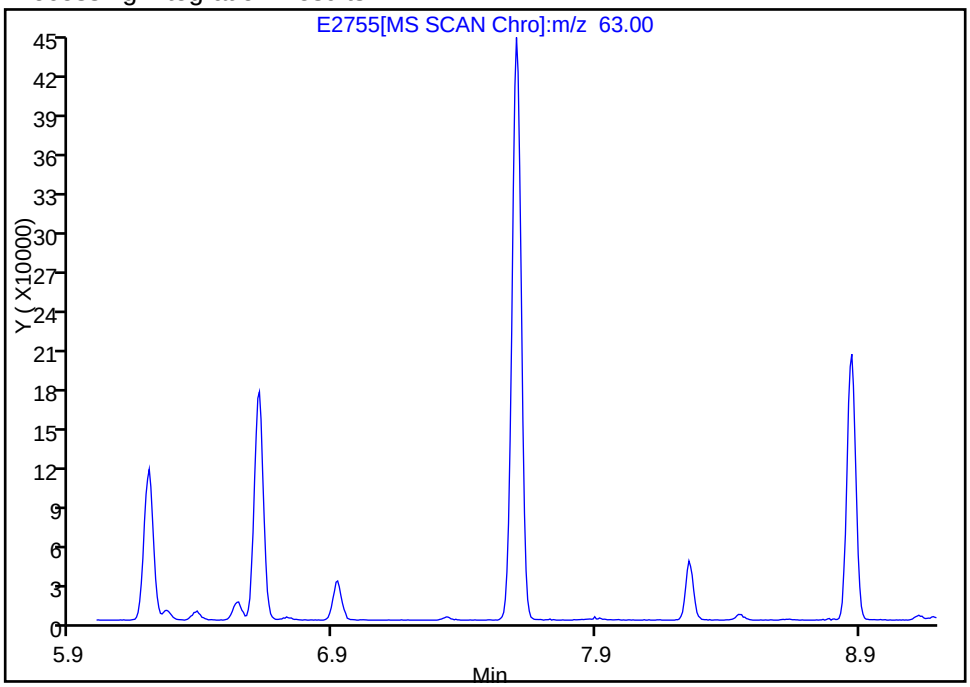
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

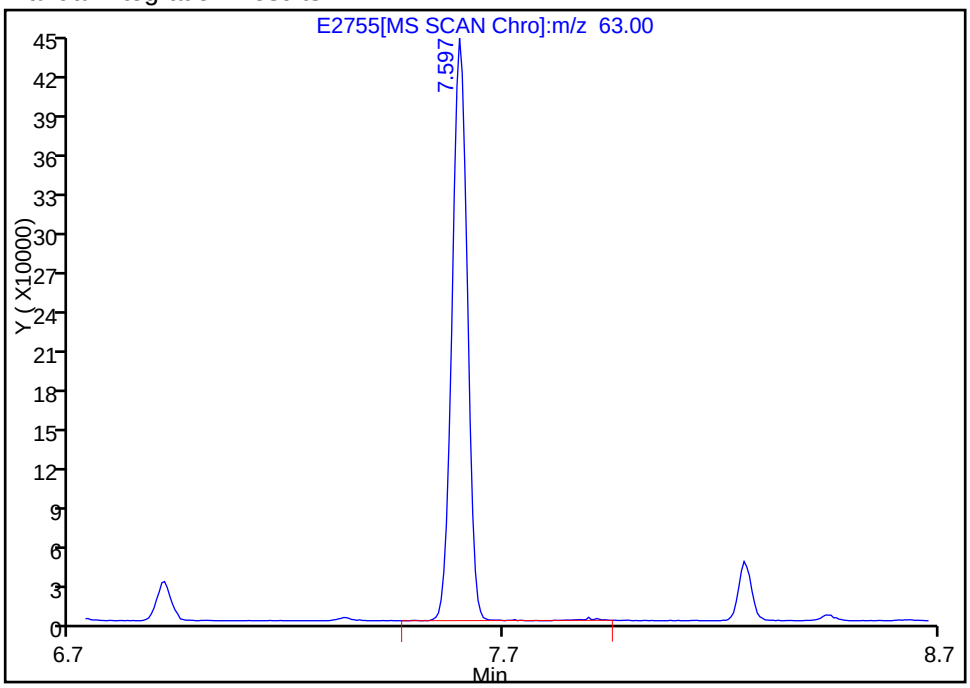
Not Detected
Expected RT: 7.60

Processing Integration Results



Manual Integration Results

RT: 7.60
Response: 1097568
Amount: 98.509500



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Peak Tail

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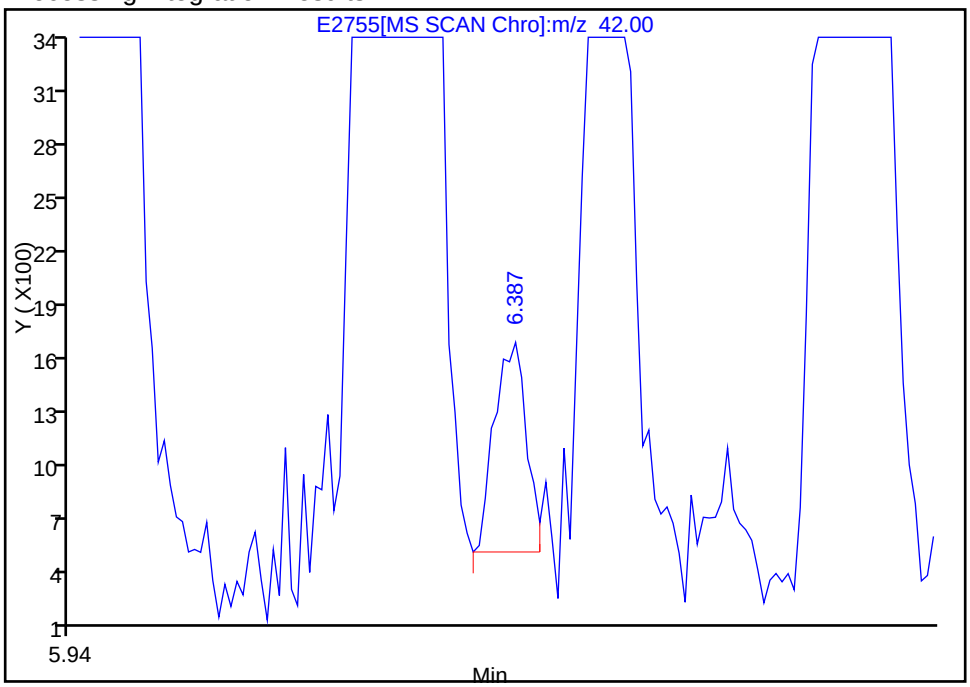
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

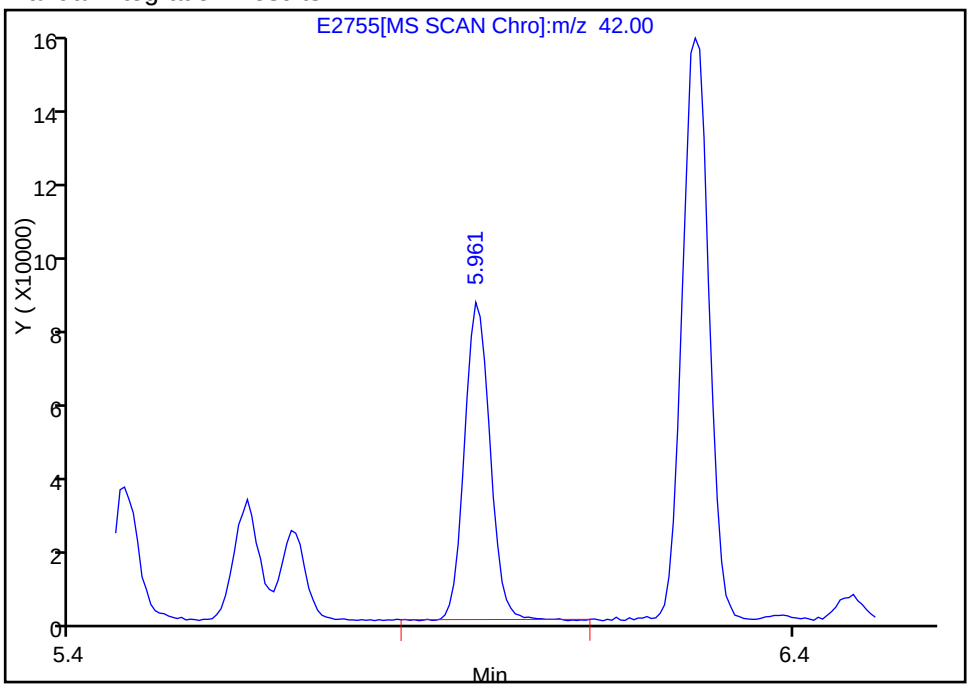
Processing Integration Results

RT: 6.39
Response: 2590
Amount: 0.932818



Manual Integration Results

RT: 5.96
Response: 212855
Amount: 68.535398



Reviewer: hallj, 20-Aug-2011 09:39:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

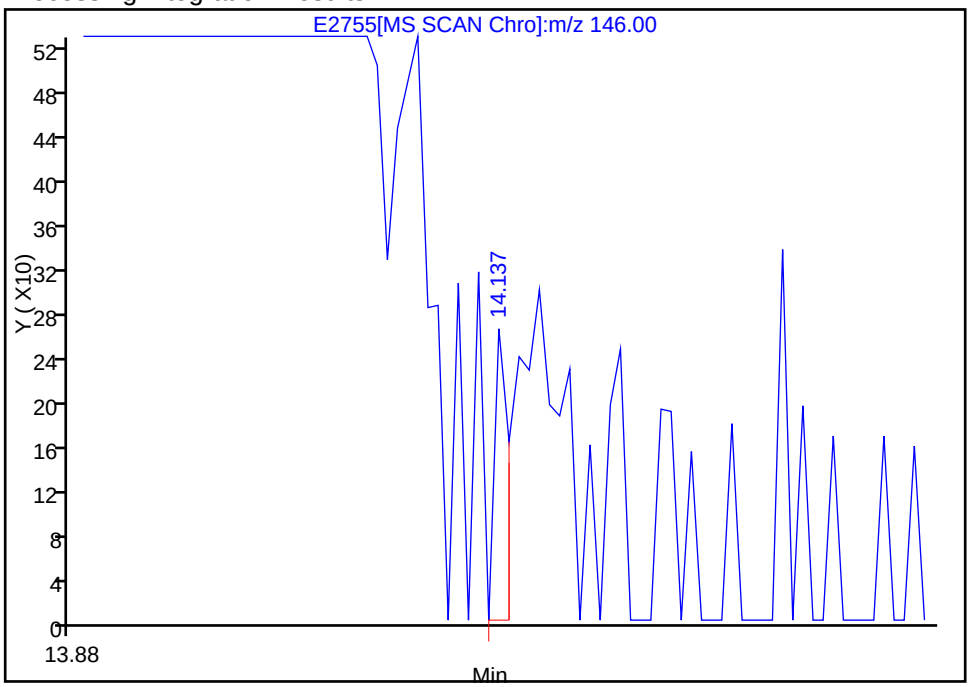
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D		
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

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

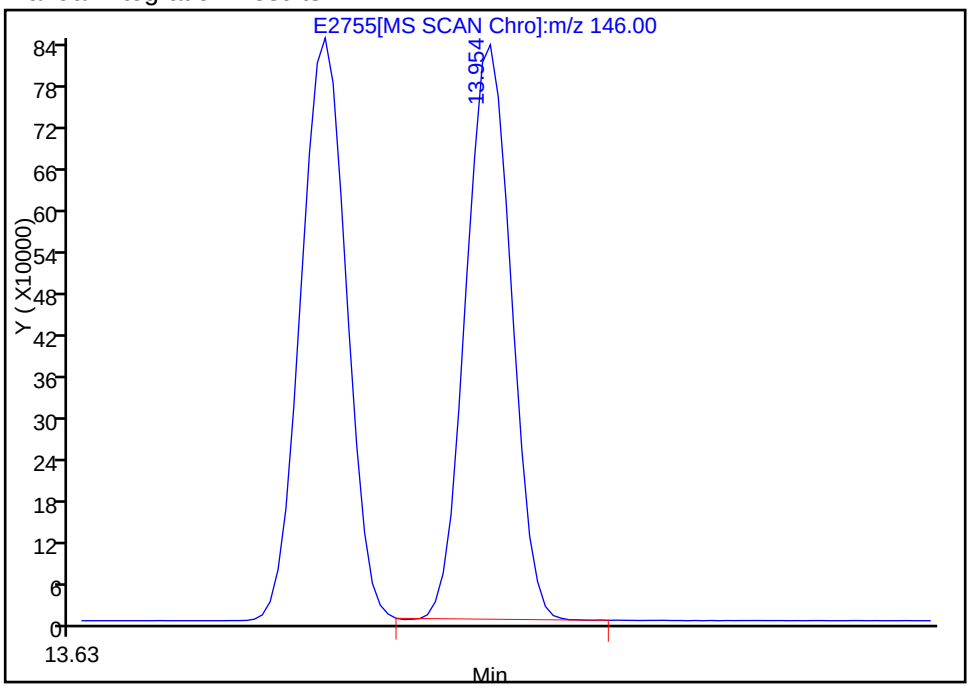
Processing Integration Results

RT: 14.14
Response: 154
Amount: 0.008028



Manual Integration Results

RT: 13.95
Response: 2044589
Amount: 112.5008



Reviewer: hobartw, 19-Aug-2011 08:23:25
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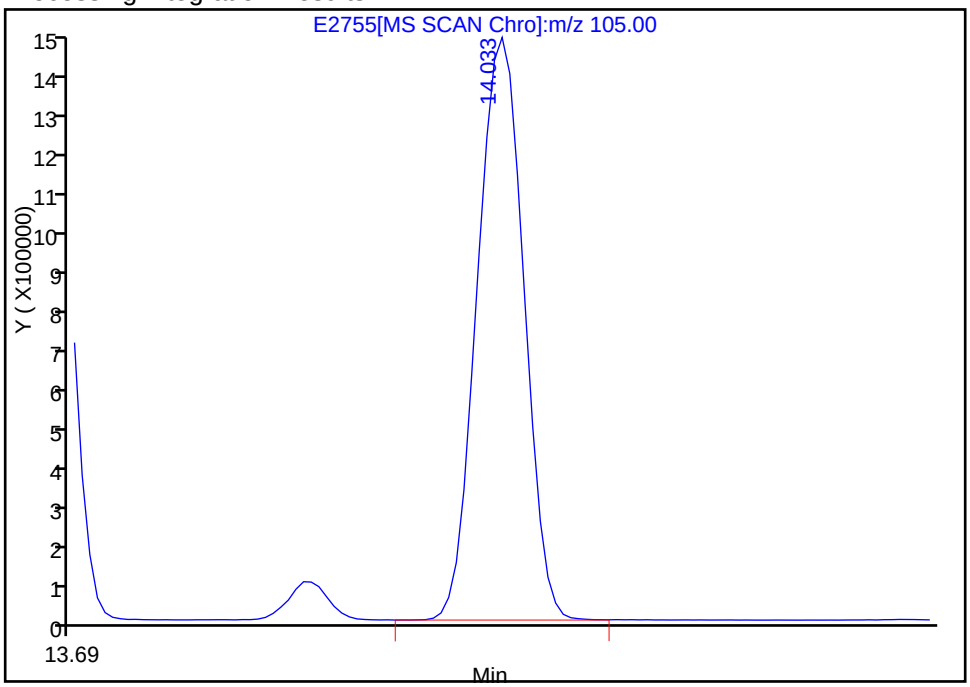
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

81 sec-Butylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 13.67

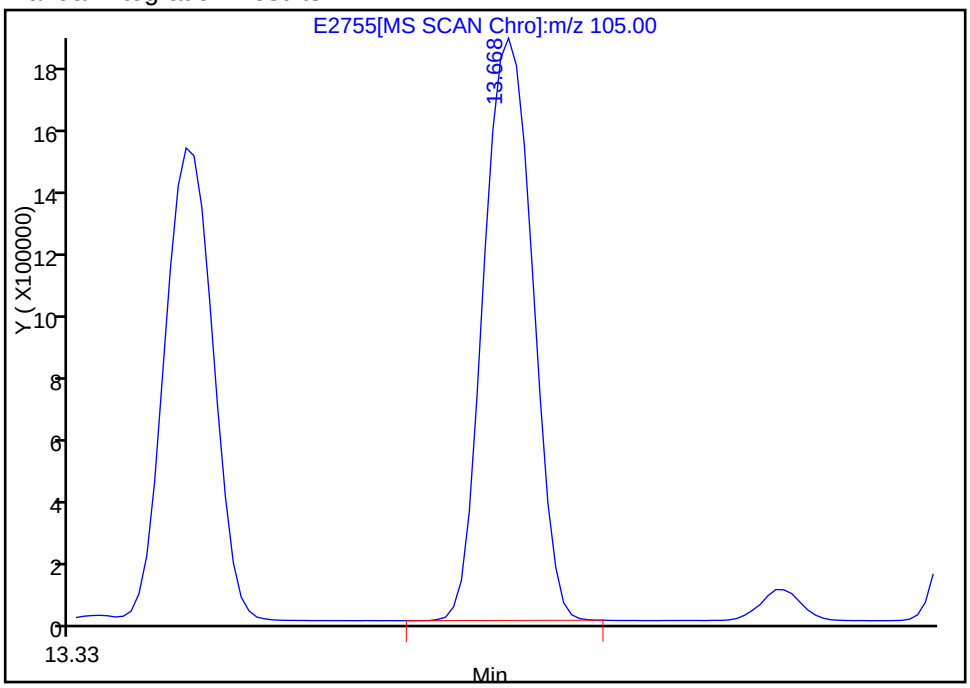
Processing Integration Results

RT: 14.03
Response: 3799303
Amount: 99.278850



Manual Integration Results

RT: 13.67
Response: 4748585
Amount: 101.7522



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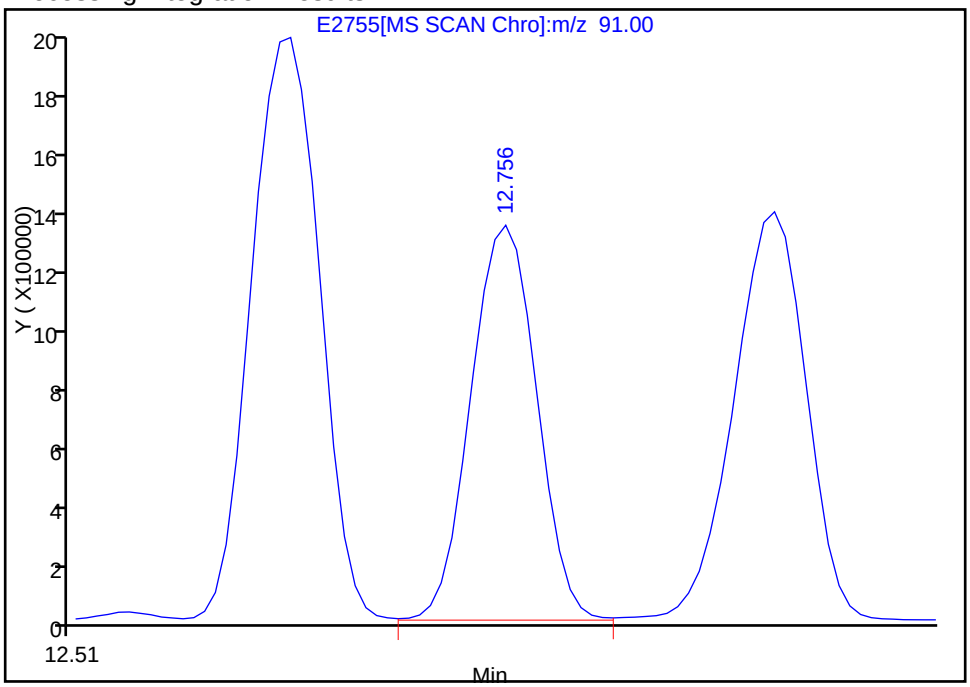
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

74 N-Propylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.63

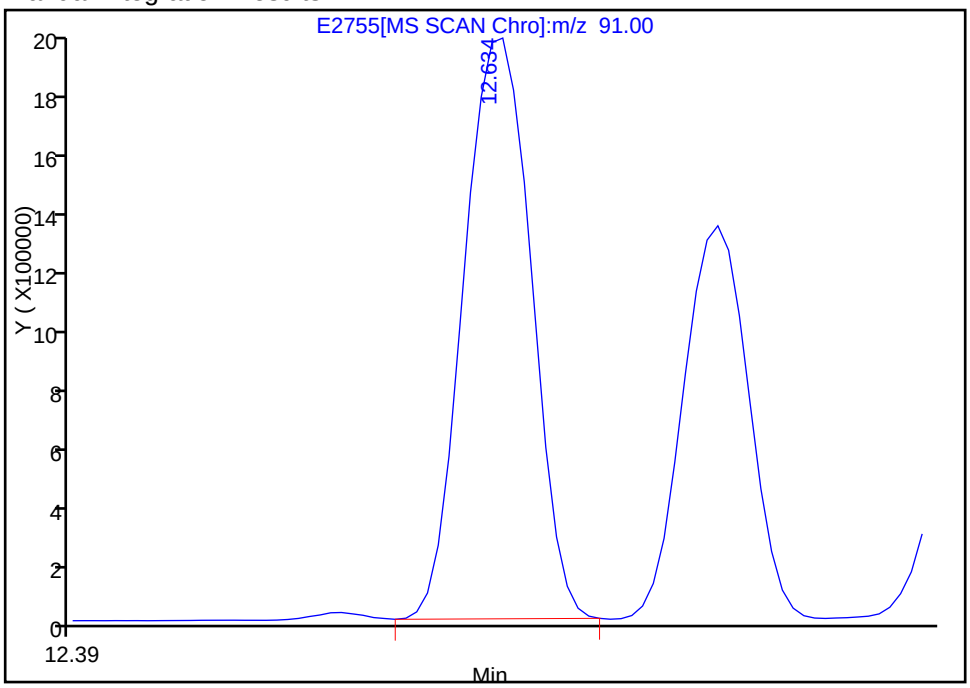
Processing Integration Results

RT: 12.76
Response: 3355808
Amount: 67.328205



Manual Integration Results

RT: 12.63
Response: 5071718
Amount: 101.2147



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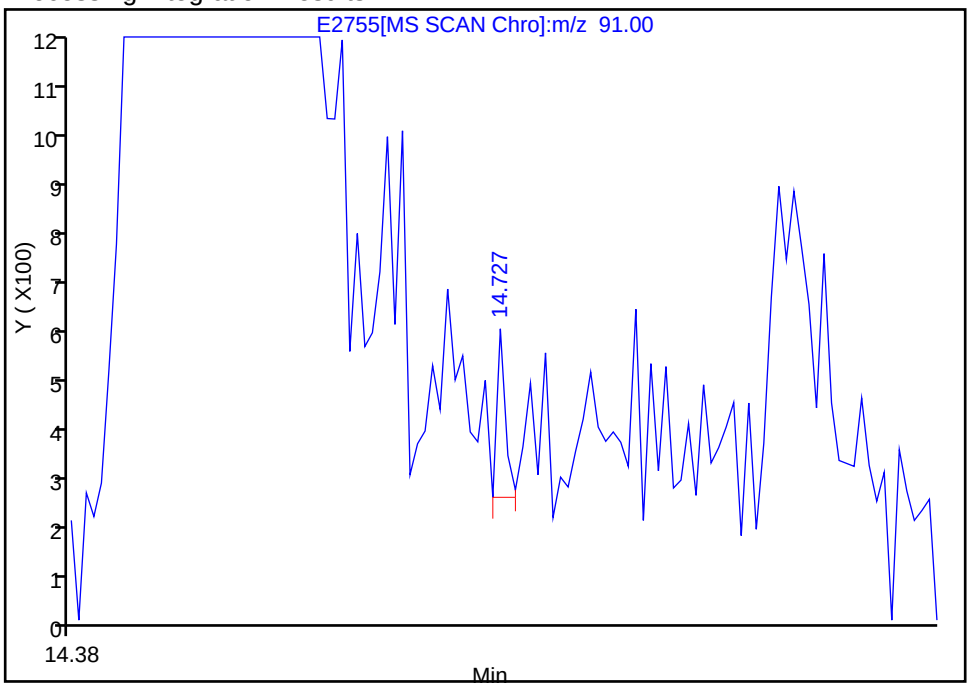
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

84 n-Butylbenzene, Signal: 1, m/z: 91.0 Type: quant, RT: 14.48

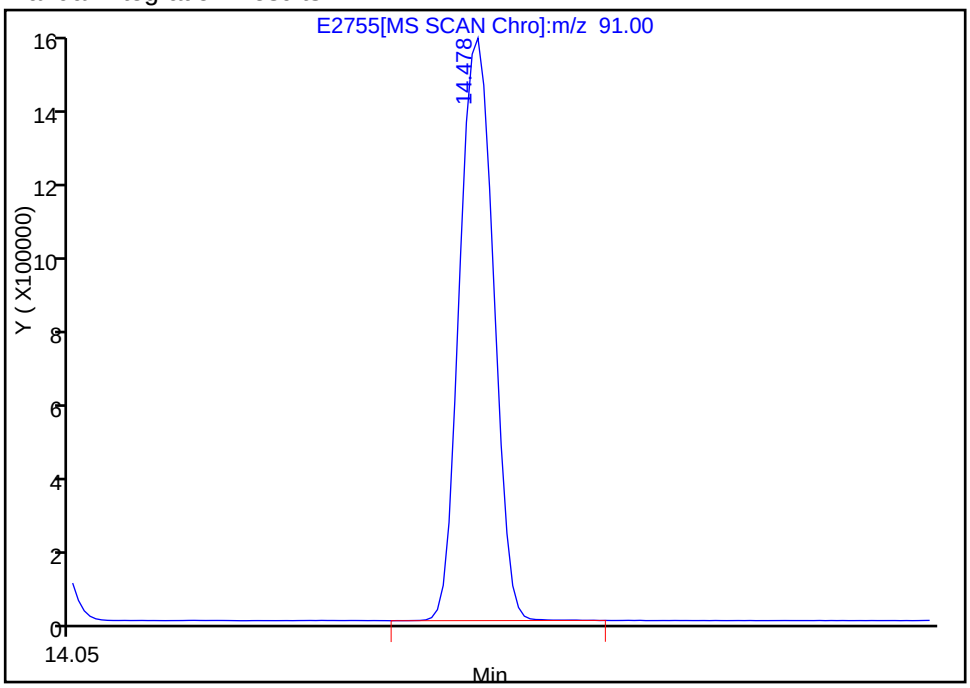
Processing Integration Results

RT: 14.73
Response: 162
Amount: 0.004562



Manual Integration Results

RT: 14.48
Response: 3858185
Amount: 101.3307



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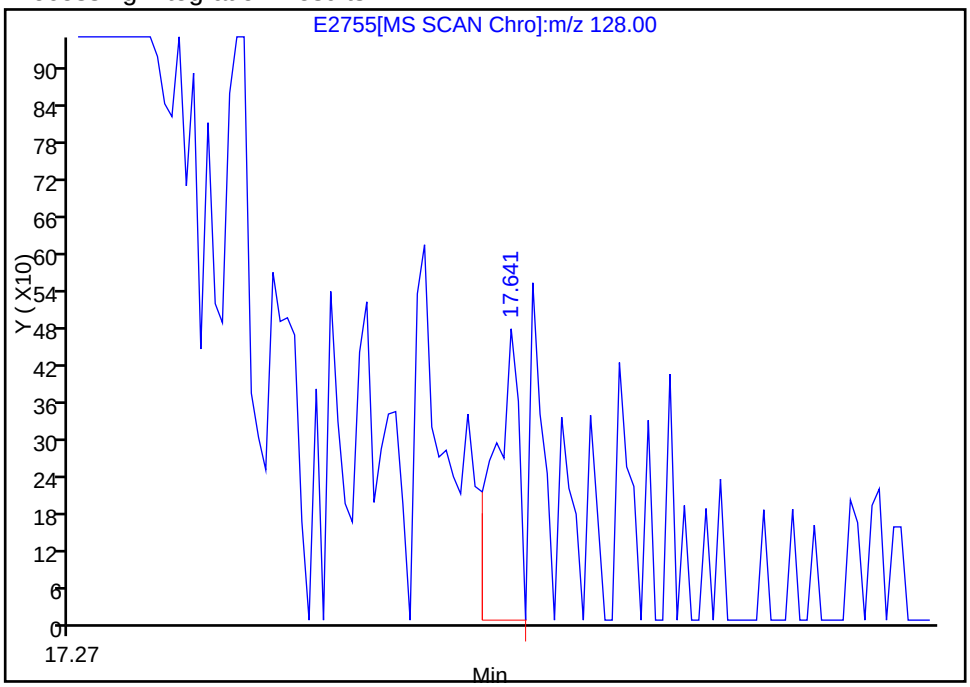
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

89 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 17.23

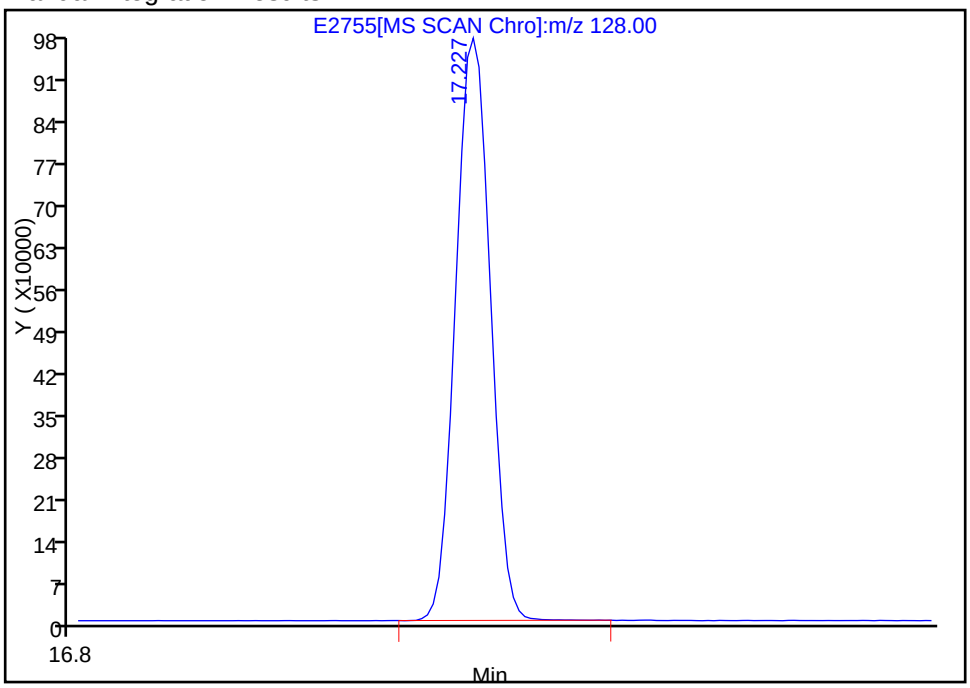
Processing Integration Results

RT: 17.64
Response: 677
Amount: 0.033193



Manual Integration Results

RT: 17.23
Response: 2494742
Amount: 102.3480



Reviewer: hobartw, 19-Aug-2011 08:23:25
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Audit Reason: Assign Peak

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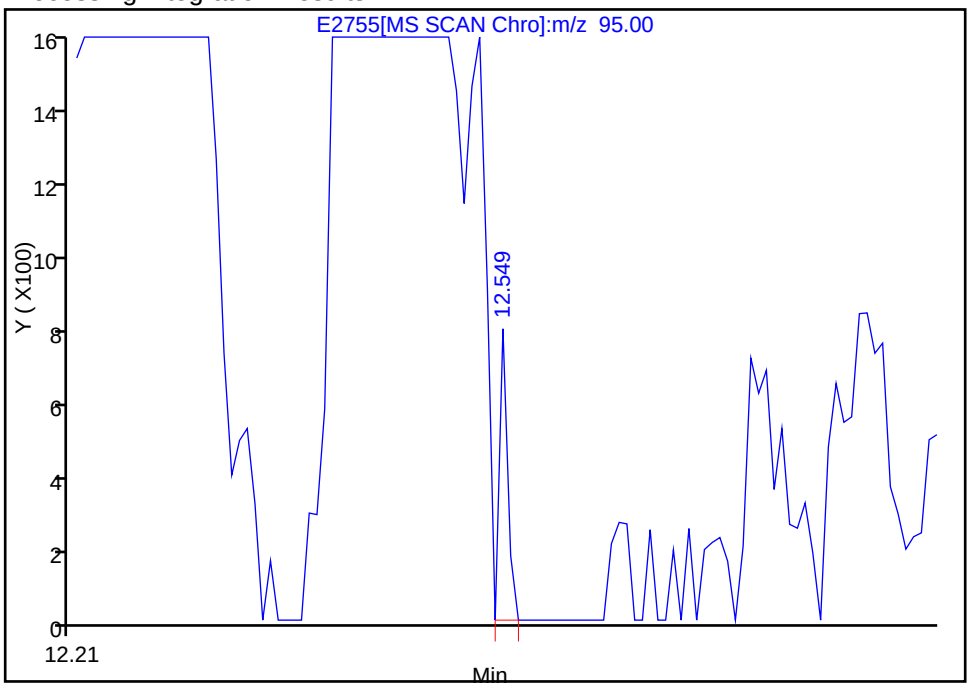
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

$ 7 4-Bromofluorobenzene (Surr), Signal: 1, m/z: 95.0 Type: quant, RT: 12.26

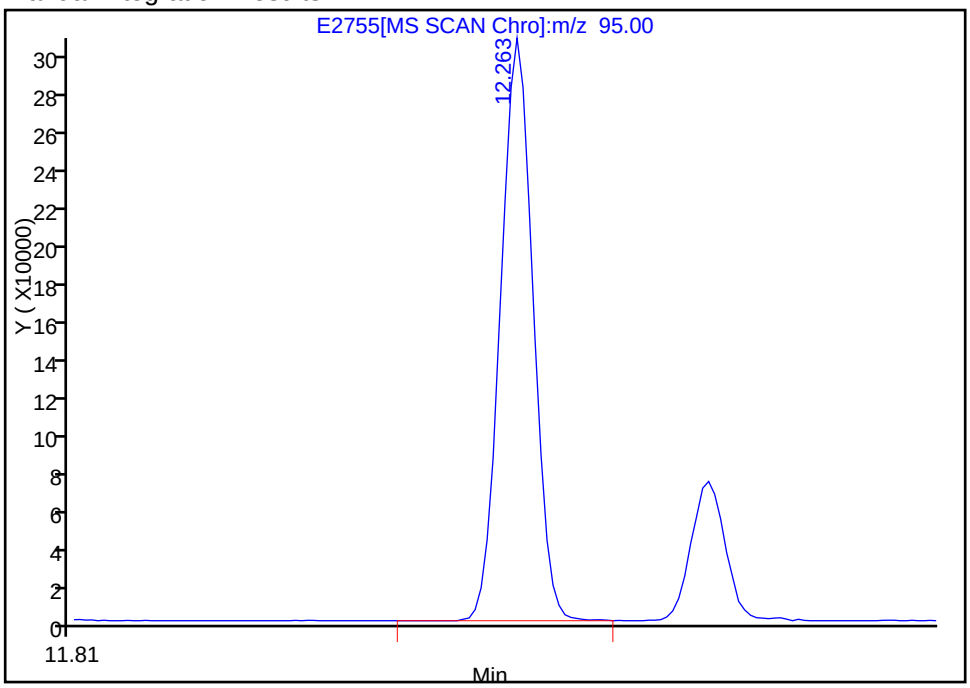
Processing Integration Results

RT: 12.55
Response: 335
Amount: 0.031211



Manual Integration Results

RT: 12.26
Response: 698835
Amount: 50.666441



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Audit Reason: Assign Peak

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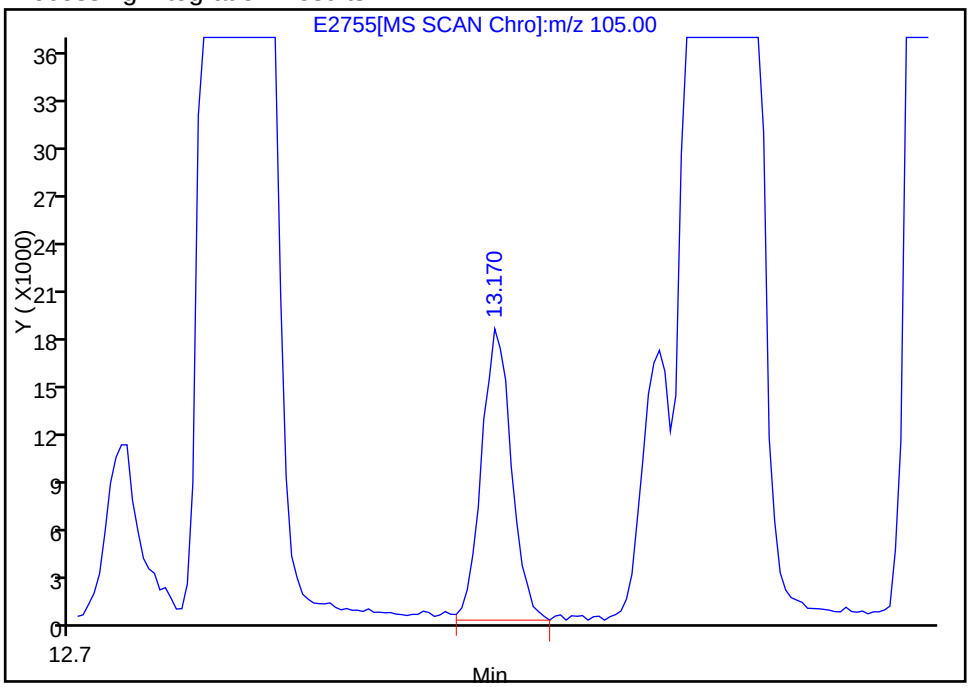
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

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

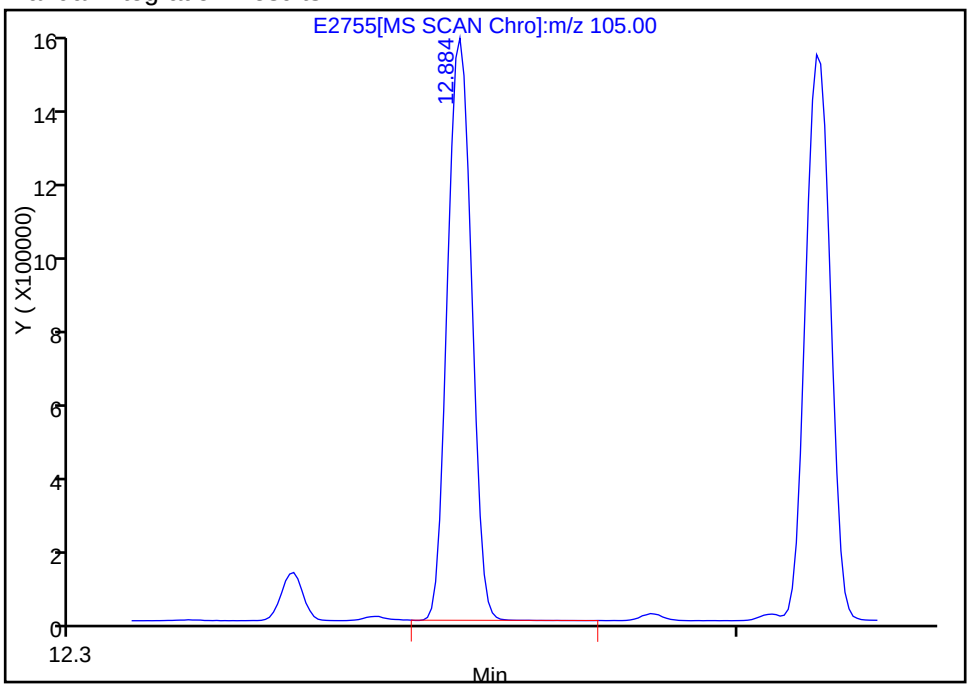
Processing Integration Results

RT: 13.17
Response: 42543
Amount: 1.223434



Manual Integration Results

RT: 12.88
Response: 3804931
Amount: 102.2647



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

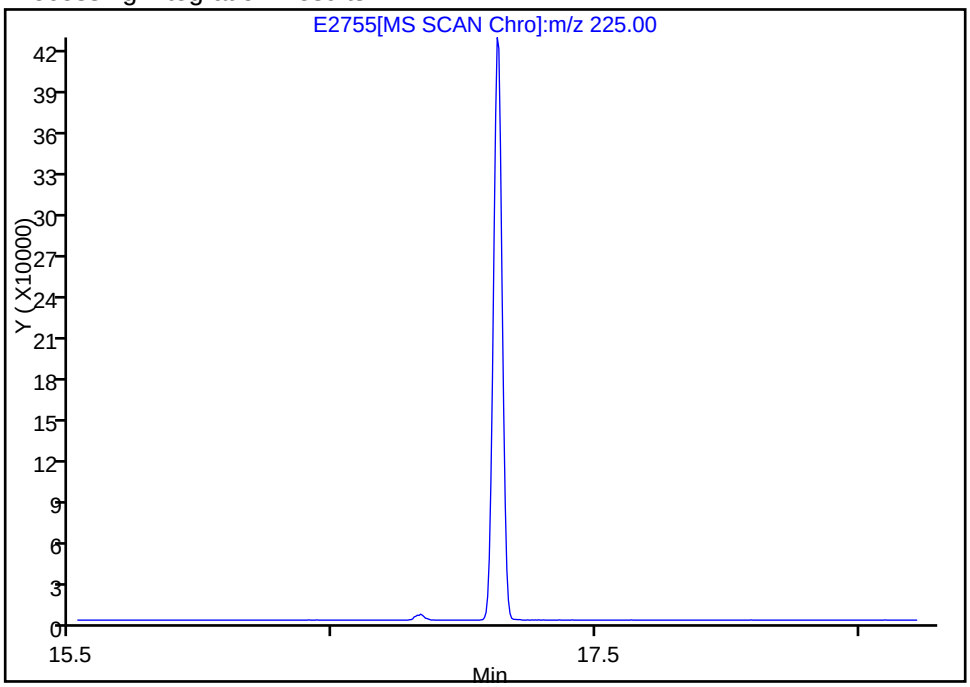
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

88 Hexachlorobutadiene, Signal: 1, m/z: 225.0 Type: quant, RT: 17.12

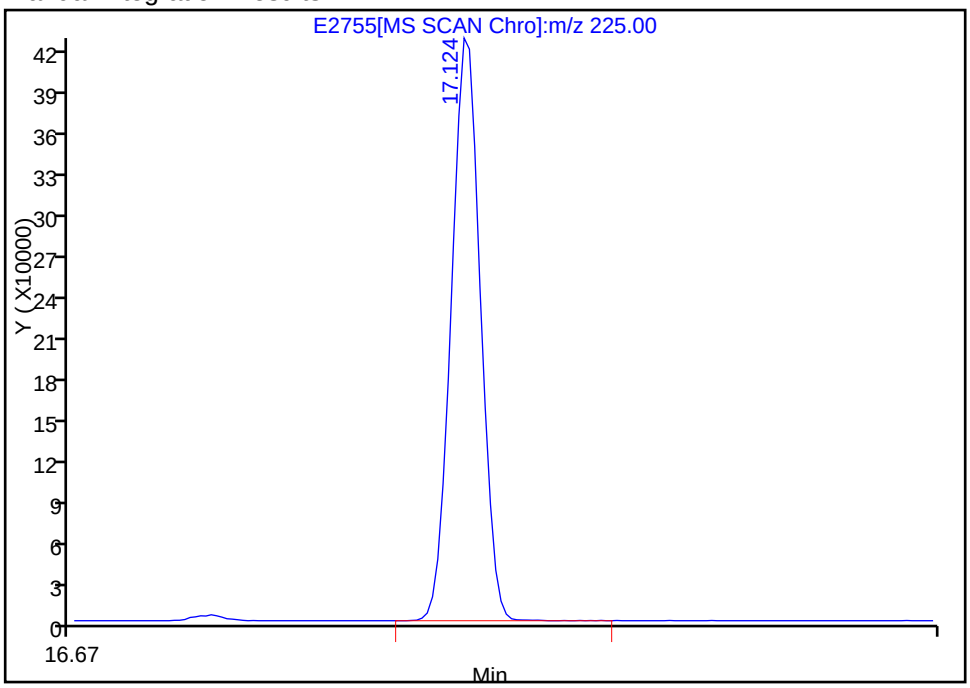
Processing Integration Results

Not Detected
Expected RT: 17.12



Manual Integration Results

RT: 17.12
Response: 986831
Amount: 99.682391



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

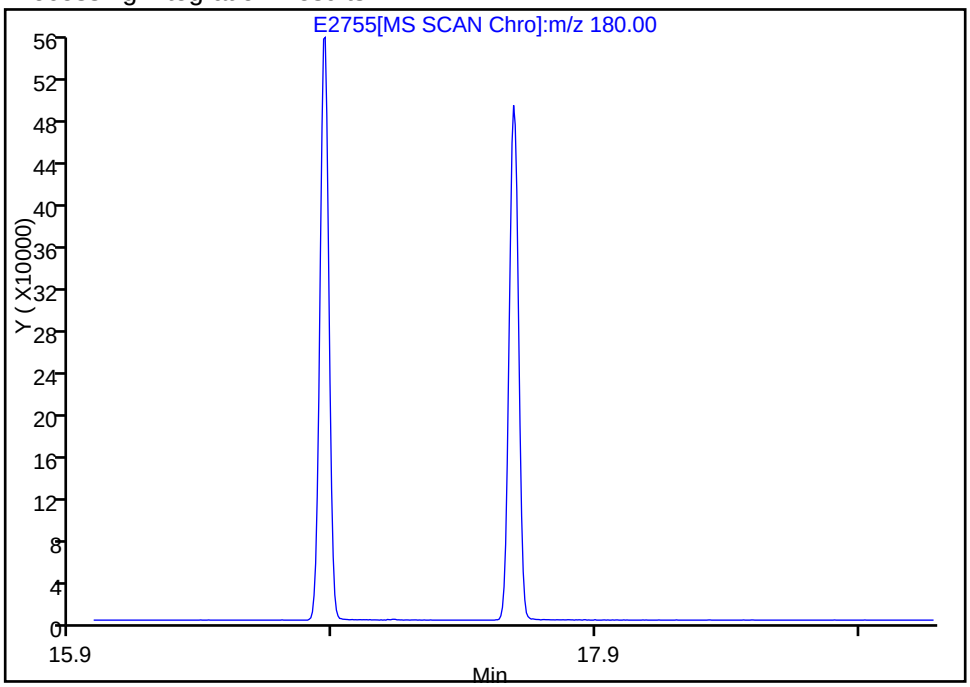
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D
Injection Date: 19-Aug-2011 06:29:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 6
Operator ID: WH

90 1,2,3-Trichlorobenzene, Signal: 1, m/z: 180.0 Type: quant, RT: 17.59

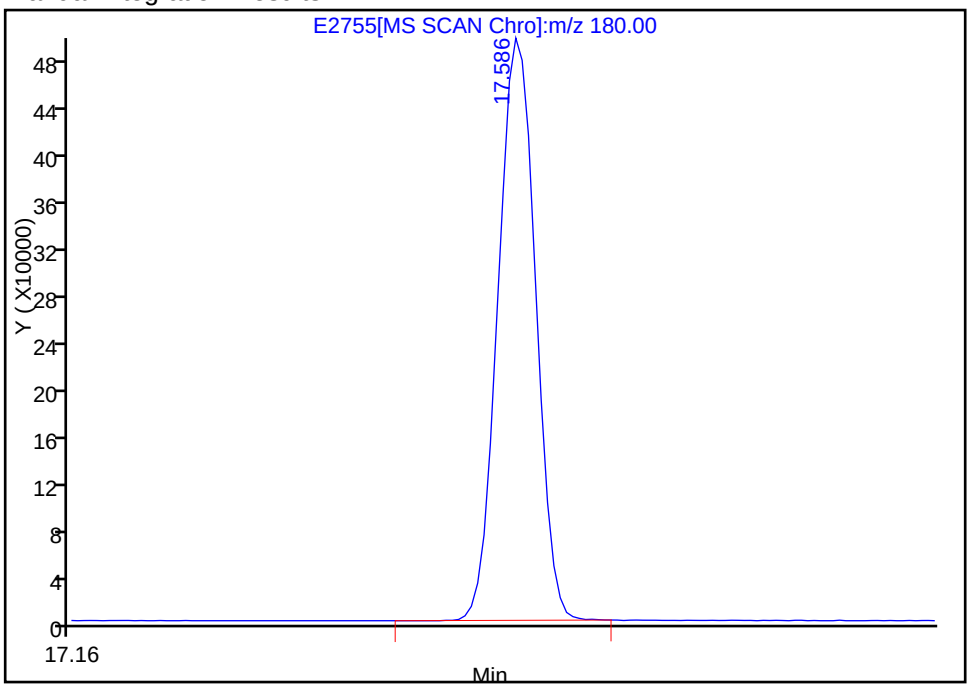
Not Detected
Expected RT: 17.59

Processing Integration Results



Manual Integration Results

RT: 17.59
Response: 1228052
Amount: 100.8682



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:39:14 Chrom Revision: 1.2 13-Jul-2011 10:43:06

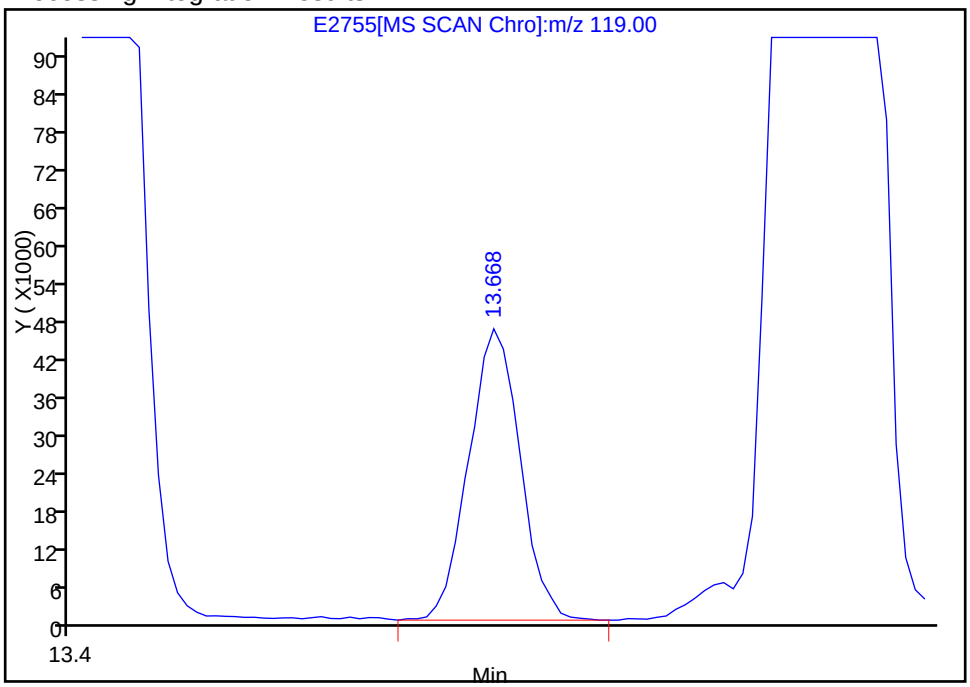
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2755.D		
Injection Date:	19-Aug-2011 06:29:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	6
Operator ID:	WH		

78 tert-Butylbenzene, Signal: 1, m/z: 119.0 Type: quant, RT: 13.35

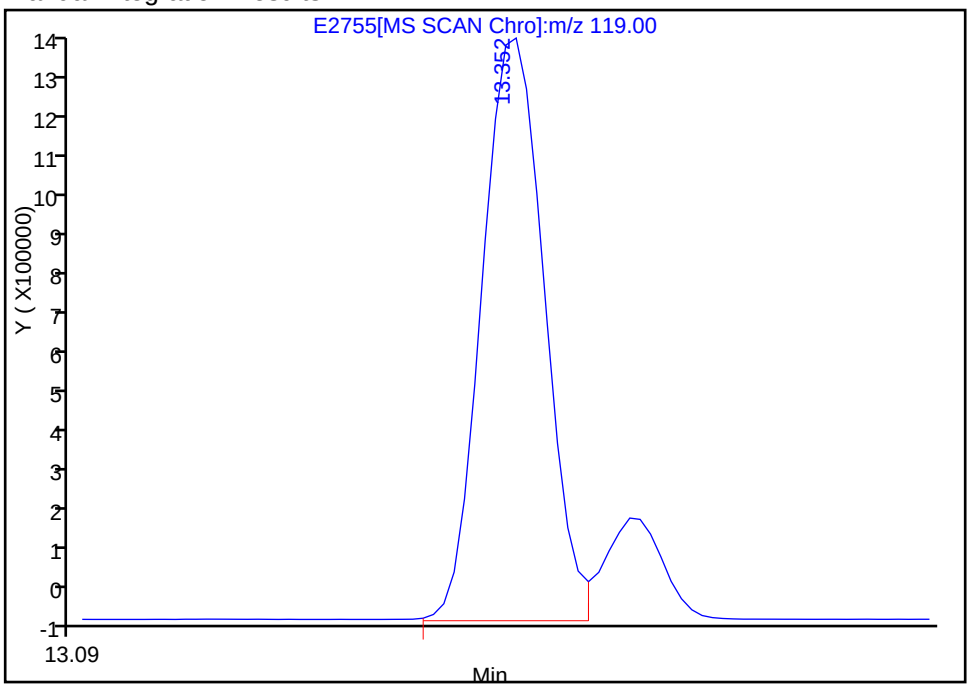
Processing Integration Results

RT: 13.67
Response: 104956
Amount: 3.479445



Manual Integration Results

RT: 13.35
Response: 3562836
Amount: 102.6665



Reviewer: hobartw, 19-Aug-2011 08:23:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Lims ID: std150 Client ID:
Inject. Date: 19-Aug-2011 07:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD150
Misc. Info.: 510-0005409-007 =510-0005409-007
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 85337 Lims Sample ID: 7
Sublist: chrom-8260-SO-VMSA-E*sub24
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m
Last Update: 20-Aug-2011 09:37:28 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hobartw Date: 19-Aug-2011 08:36:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.916	-0.006	97	1617575	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.651	0.001	87	1305807	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.919	-0.001	28	721729	50.0	M
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.533	-0.006	0	402759	49.6	
$ 6 Toluene-d8 (Surr)	98	8.790	8.789	0.001	93	1648640	50.3	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	86	749722	52.2	
8 Dichlorodifluoromethane	85	2.104	2.104	0.0	88	2384730	137.6	
9 Chloromethane	50	2.311	2.311	0.0	88	1496363	141.2	
10 Vinyl chloride	62	2.445	2.444	0.001	74	1933865	147.6	
11 Bromomethane	94	2.767	2.768	-0.001	90	448947	144.4	M
12 Chloroethane	64	2.877	2.871	0.006	95	638900	68.3	M
13 Trichlorofluoromethane	101	3.151	3.174	-0.023	79	2647583	131.2	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.497	3.509	-0.012	83	2141436	133.3	
15 Acrolein	56	3.637	3.643	-0.006	95	88241	132.6	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.741	3.752	-0.011	73	1127062	135.9	
16 1,1-Dichloroethene	96	3.741	3.752	-0.011	89	1361648	134.9	
18 Acetone	58	3.814	3.813	0.001	97	146708	146.1	
19 Iodomethane	142	3.923	3.918	0.005	96	961123	140.1	
20 Carbon disulfide	76	3.984	3.996	-0.012	99	4083634	152.5	
21 Methyl acetate	43	4.161	4.160	0.001	95	1094880	131.1	
22 Methylene Chloride	84	4.276	4.282	-0.006	82	1339457	130.9	
23 2-Methyl-2-propanol	59	4.416	4.409	0.007	95	566373	613.6	
24 Acrylonitrile	53	4.526	4.531	-0.005	82	315008	146.1	
25 trans-1,2-Dichloroethene	96	4.556	4.561	-0.005	89	1484782	132.1	
26 Methyl tert-butyl ether	73	4.568	4.574	-0.006	92	3249790	128.7	
27 Hexane	57	4.848	4.860	-0.012	94	1548162	136.8	
28 1,1-Dichloroethane	63	5.006	5.012	-0.006	84	2414930	126.7	
29 Vinyl acetate	43	5.061	5.080	-0.019	97	3974007	304.6	
30 Isopropyl ether	45	5.085	5.085	0.0	0	3466395	144.1	M
31 Tert-butyl ethyl ether	59	5.475	5.474	0.001	87	3237918	131.1	

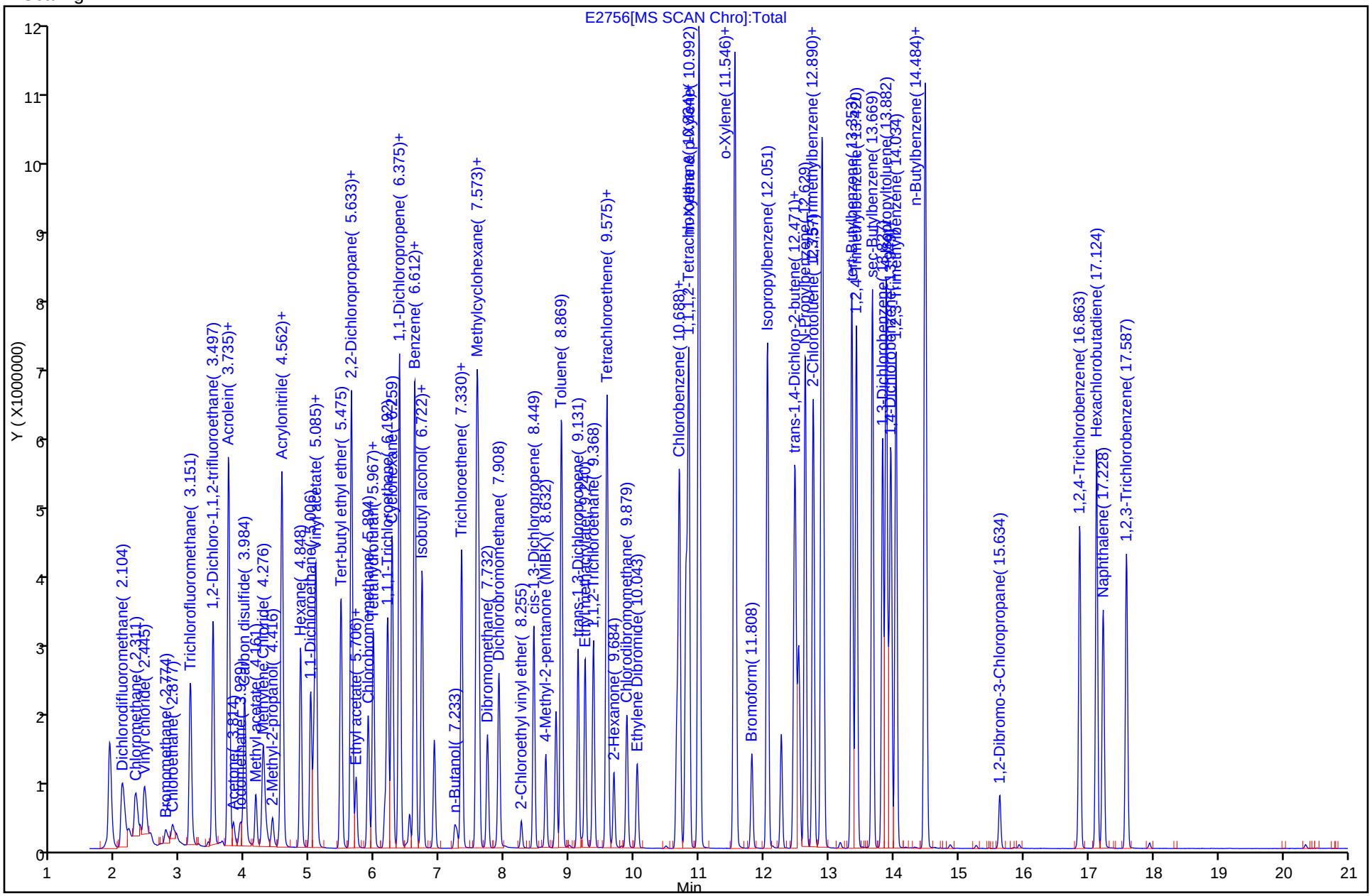
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.633	5.632	0.001	86	1689756	131.1	
33 2,2-Dichloropropane	77	5.633	5.644	-0.011	78	2401021	142.5	
34 2-Butanone (MEK)	72	5.645	5.645	0.0	53	210179	146.2	M
105 Ethyl acetate	43	5.706	5.705	0.001	0	1149106	134.2	
93 Propionitrile	54	5.712	5.712	0.0	0	139239	130.0	M
35 Chlorobromomethane	130	5.894	5.900	-0.006	86	866203	134.0	
95 Tetrahydrofuran	42	5.961	5.961	0.0	0	317558	90.1	M
36 Chloroform	83	5.973	5.979	-0.006	69	2551515	151.9	
37 1,1,1-Trichloroethane	97	6.192	6.198	-0.006	90	2465466	135.6	
38 Cyclohexane	84	6.259	6.265	-0.006	88	2351754	142.4	
39 1,1-Dichloropropene	75	6.369	6.374	-0.005	90	2359825	136.8	
40 Carbon tetrachloride	117	6.381	6.387	-0.006	76	2227958	140.2	
41 Benzene	78	6.606	6.612	-0.006	94	5211590	145.7	
42 1,2-Dichloroethane	62	6.618	6.618	0.0	52	1779498	134.5	
43 Isobutyl alcohol	41	6.722	6.721	0.001	43	488746	139.2	
44 Tert-amyl methyl ether	73	6.722	6.727	-0.005	92	3404002	135.6	
102 n-Butanol	56	7.227	7.226	0.001	0	374387	1755.5	
45 Trichloroethene	132	7.330	7.336	-0.006	90	1662278	135.3	
46 Methylcyclohexane	83	7.567	7.573	-0.006	92	2882421	138.7	
47 1,2-Dichloropropane	63	7.598	7.598	0.0	0	1524156	133.3	M
48 Dibromomethane	93	7.732	7.731	0.001	91	763735	136.8	
49 Dichlorobromomethane	83	7.908	7.907	0.001	89	1940321	137.3	
50 2-Chloroethyl vinyl ether	63	8.255	8.257	-0.002	93	185650	352.3	
54 cis-1,3-Dichloropropene	75	8.449	8.449	0.0	93	2202596	146.9	
52 4-Methyl-2-pentanone (MIBK)	43	8.632	8.631	0.001	96	998229	148.2	
53 Toluene	91	8.875	8.875	0.0	91	5342496	145.8	
51 trans-1,3-Dichloropropene	75	9.131	9.130	0.001	90	1918599	149.7	
55 Ethyl methacrylate	69	9.240	9.234	0.006	76	1886858	151.4	
56 1,1,2-Trichloroethane	83	9.368	9.367	0.001	94	987310	135.6	
57 Tetrachloroethene	164	9.569	9.568	0.001	84	1340238	136.1	
58 1,3-Dichloropropane	76	9.587	9.586	0.001	90	2007254	132.8	
59 2-Hexanone	43	9.684	9.684	0.0	91	821302	152.6	
60 Chlorodibromomethane	129	9.879	9.878	0.001	89	1265485	145.4	
61 Ethylene Dibromide	107	10.037	10.043	-0.006	99	1058120	141.0	
62 Chlorobenzene	112	10.694	10.694	0.0	92	3621760	148.6	
63 1,1,1,2-Tetrachloroethane	131	10.792	10.791	0.001	86	1432157	139.3	
64 Ethylbenzene	91	10.834	10.834	0.0	92	5806488	148.9	
65 m-Xylene & p-Xylene	91	10.992	10.998	-0.006	0	7633084	281.6	
66 o-Xylene	91	11.540	11.539	0.001	81	4992886	146.5	
67 Styrene	104	11.558	11.557	0.001	82	3981947	129.1	
68 Bromoform	173	11.808	11.807	0.001	95	782024	155.3	
69 Isopropylbenzene	105	12.051	12.050	0.001	90	5520542	147.8	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	87	1385305	133.6	
70 Bromobenzene	156	12.483	12.482	0.001	93	1650421	137.3	
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	85	1925471	151.1	
73 trans-1,4-Dichloro-2-butene	53	12.544	12.543	0.001	60	391708	160.5	
74 N-Propylbenzene	91	12.635	12.634	0.001	89	6582806	145.3	
75 2-Chlorotoluene	91	12.757	12.756	0.001	92	4538925	128.3	
76 1,3,5-Trimethylbenzene	105	12.884	12.885	-0.001	36	5069749	147.0	M
77 4-Chlorotoluene	91	12.909	12.909	0.0	92	5063216	146.9	M
78 tert-Butylbenzene	119	13.353	13.352	0.001	87	4787971	132.5	
80 1,2,4-Trimethylbenzene	105	13.420	13.420	0.0	85	4999946	144.3	M

	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	92	6198878	145.6	
82	1,3-Dichlorobenzene	146	13.827	13.827	0.0	89	2911243	128.8	
79	4-Isopropyltoluene	119	13.882	13.881	0.001	80	5374423	148.4	
83	1,4-Dichlorobenzene	146	13.955	13.955	0.0	84	2860904	154.2	M
99	1,2,3-Trimethylbenzene	105	14.034	14.034	0.0	0	5106680	115.2	M
84	n-Butylbenzene	91	14.478	14.478	0.0	86	5174171	148.0	
85	1,2-Dichlorobenzene	146	14.496	14.496	0.0	88	2546128	153.0	
86	1,2-Dibromo-3-Chloropropane	157	15.634	15.633	0.001	64	282515	158.7	
87	1,2,4-Trichlorobenzene	180	16.863	16.868	-0.005	92	1939202	143.9	
88	Hexachlorobutadiene	225	17.124	17.124	0.0	95	1453224	140.9	
89	Naphthalene	128	17.228	17.227	0.001	96	3563386	140.4	
90	1,2,3-Trichlorobenzene	180	17.587	17.586	0.001	90	1778010	140.2	
S 92	Total 1,2-dichloroethene	100				0		263.2	
S 91	Xylenes, Total	100				0		428.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:37:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

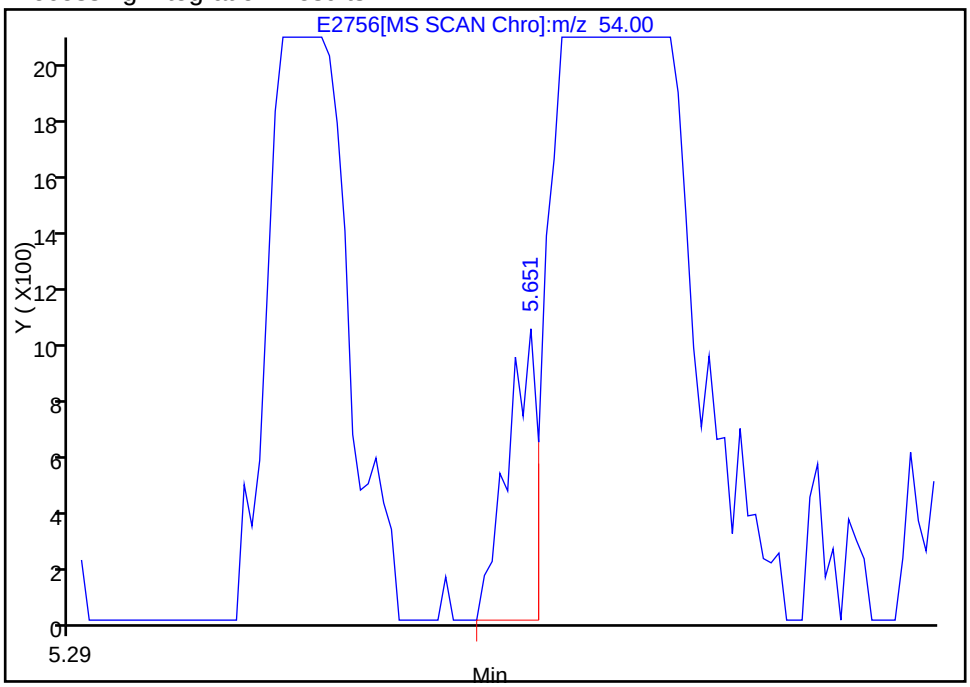
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

93 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 5.71

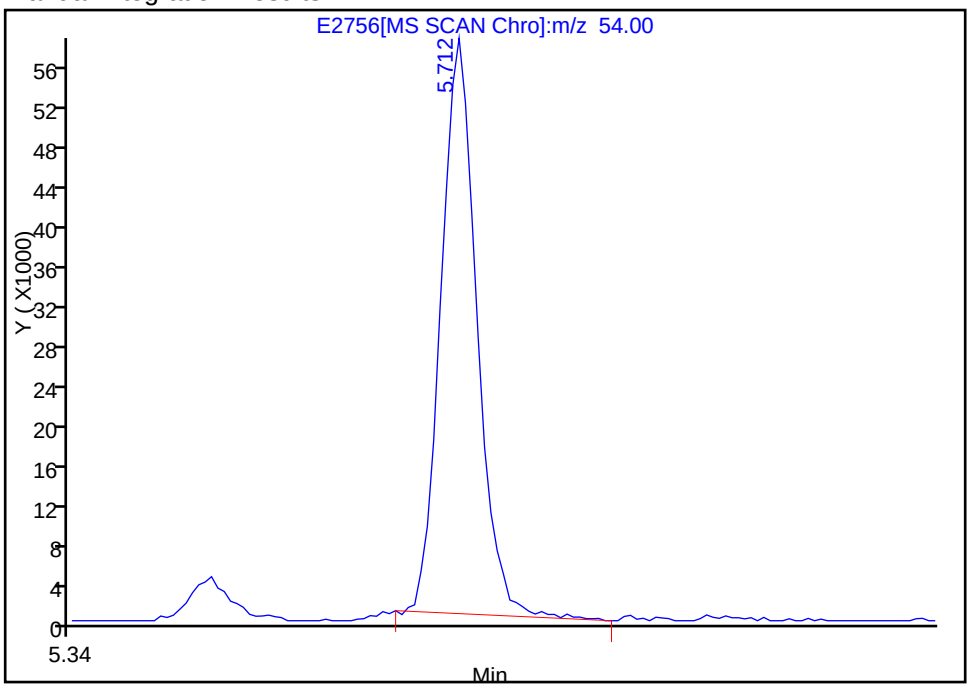
Processing Integration Results

RT: 5.65
Response: 1676
Amount: 1.765577



Manual Integration Results

RT: 5.71
Response: 139239
Amount: 130.0319



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

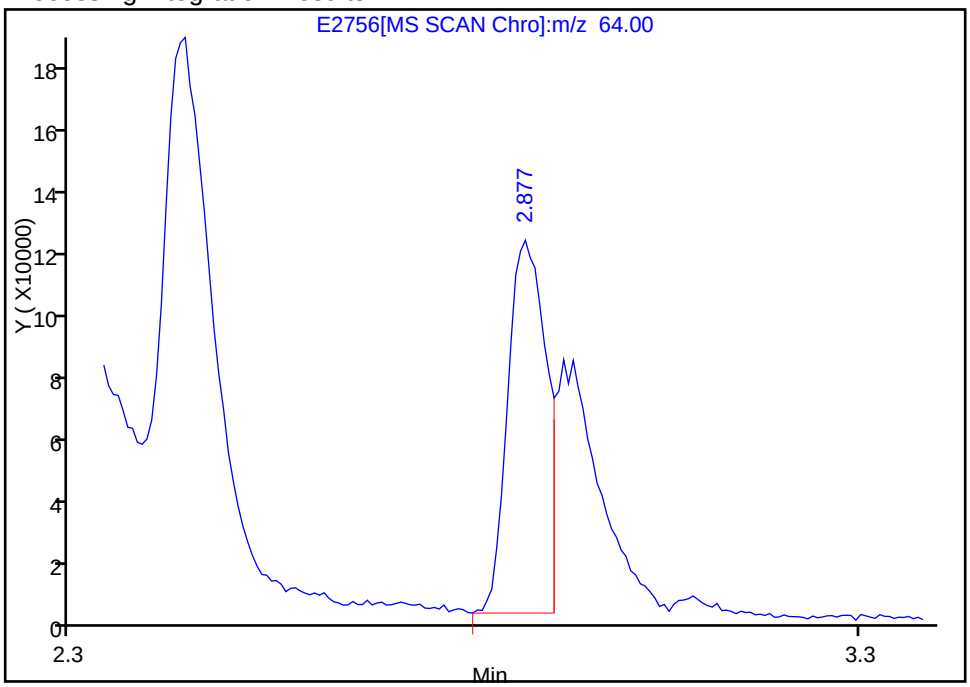
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D		
Injection Date:	19-Aug-2011 07:04:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	7
Operator ID:	WH		

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.87

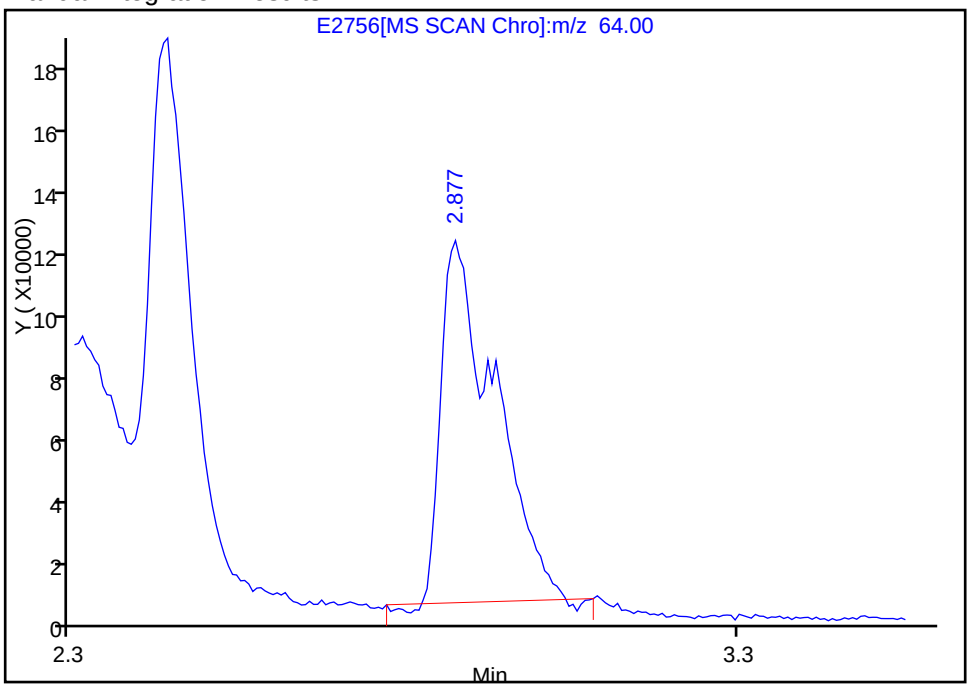
Processing Integration Results

RT: 2.88
Response: 404491
Amount: 52.973889



Manual Integration Results

RT: 2.88
Response: 638900
Amount: 68.282360



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Split Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

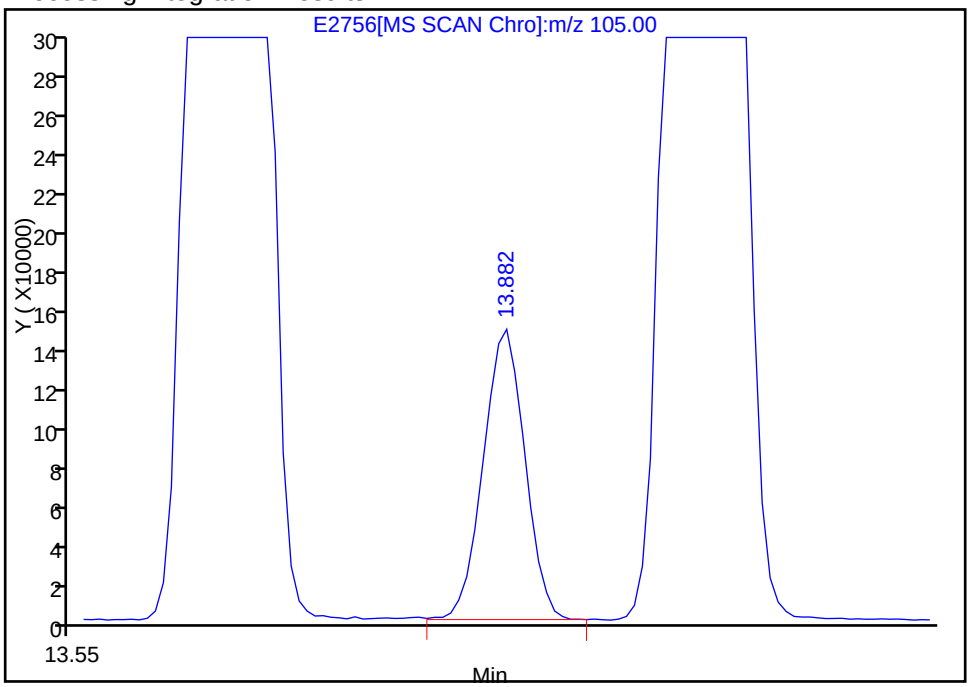
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

99 1,2,3-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 14.03

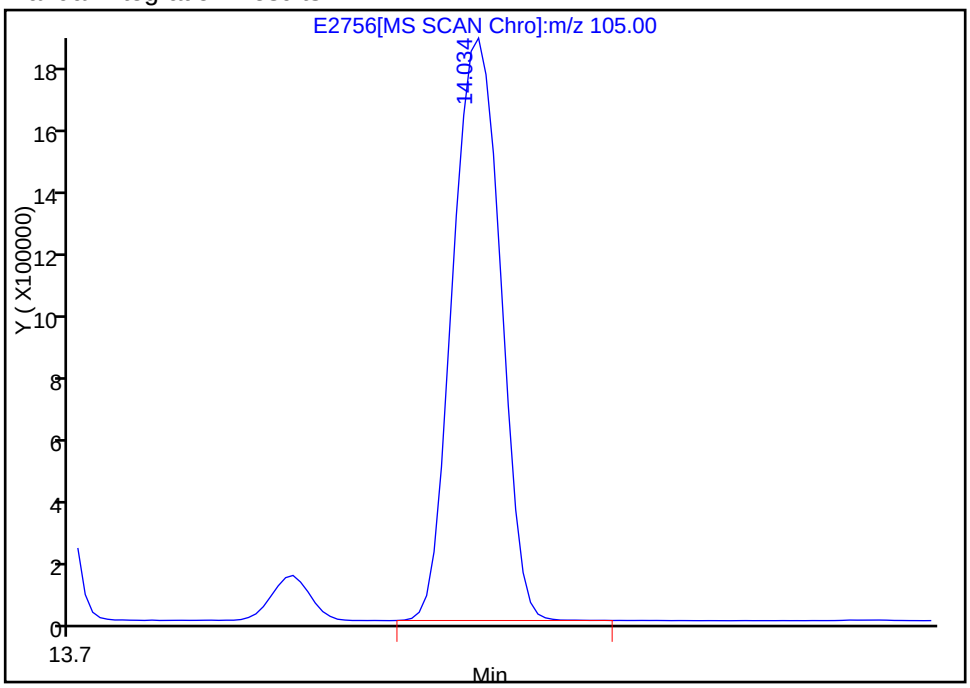
Processing Integration Results

RT: 13.88
Response: 319175
Amount: 8.559683



Manual Integration Results

RT: 14.03
Response: 5106680
Amount: 115.2223



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

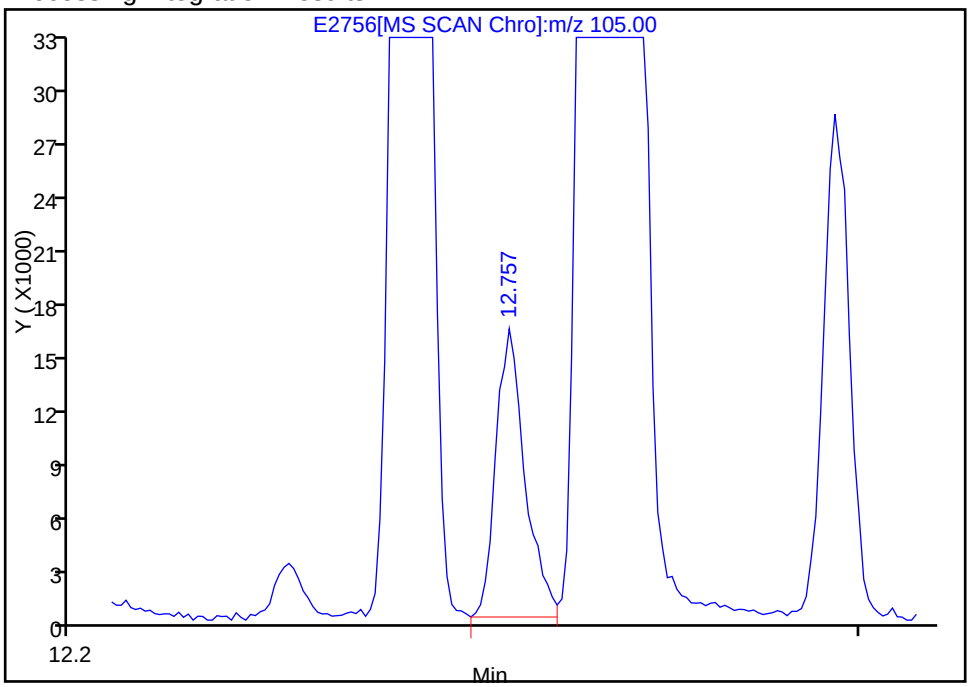
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

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

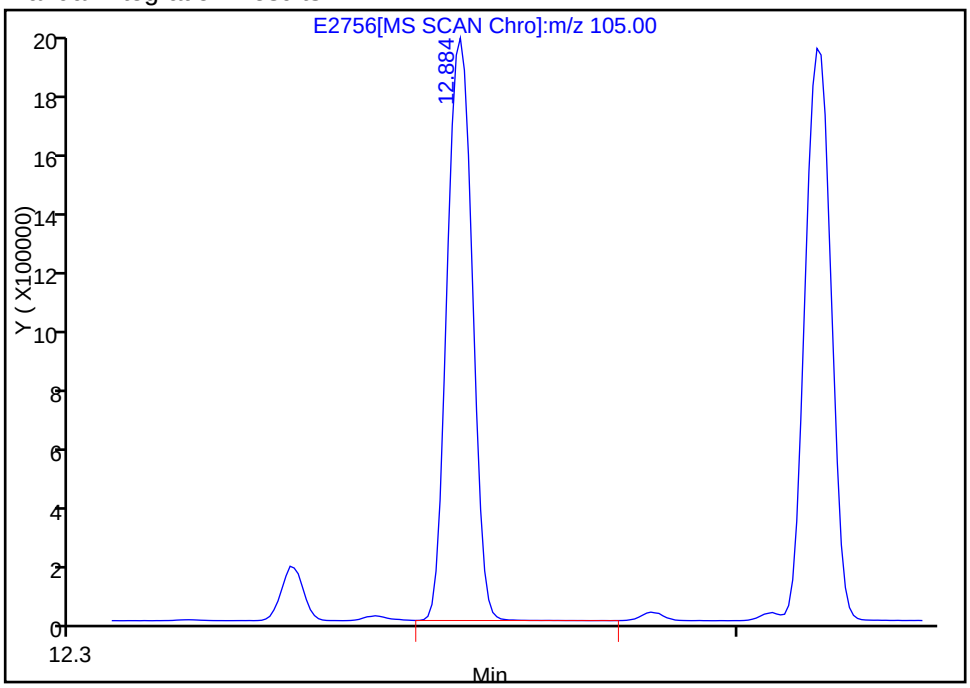
Processing Integration Results

RT: 12.76
Response: 41345
Amount: 1.124812



Manual Integration Results

RT: 12.88
Response: 5069749
Amount: 146.9513



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

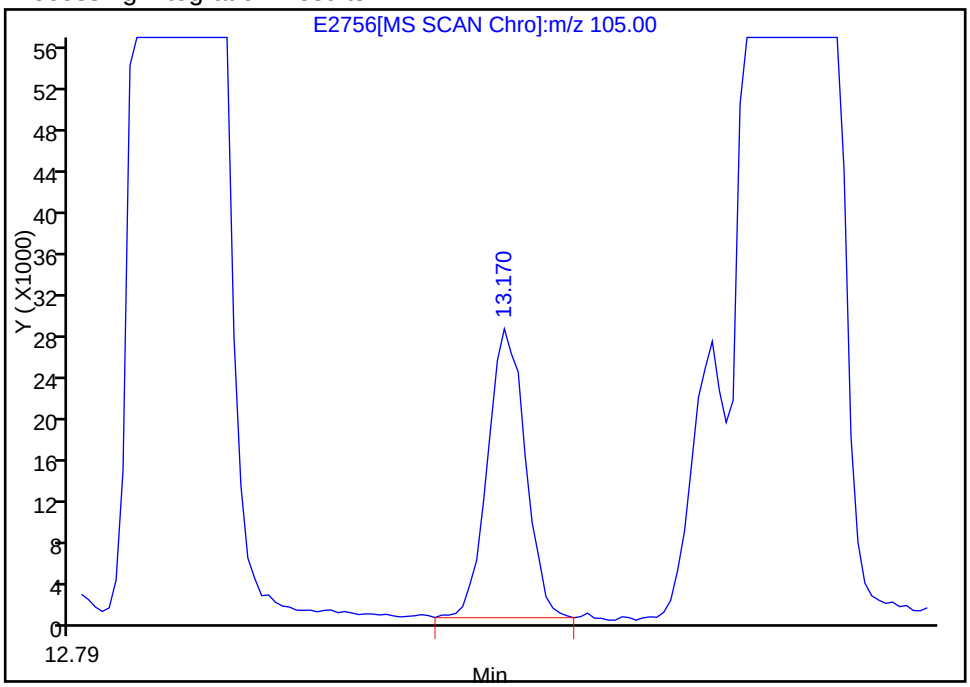
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D		
Injection Date:	19-Aug-2011 07:04:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	7
Operator ID:	WH		

80 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 13.42

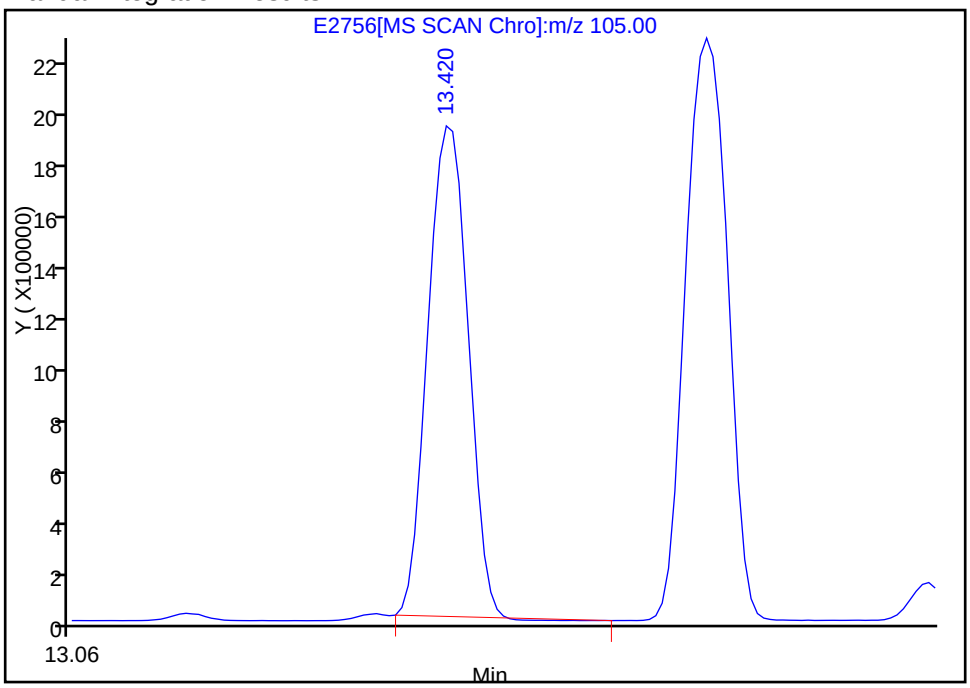
Processing Integration Results

RT: 13.17
Response: 64687
Amount: 1.723221



Manual Integration Results

RT: 13.42
Response: 4999946
Amount: 144.2880



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

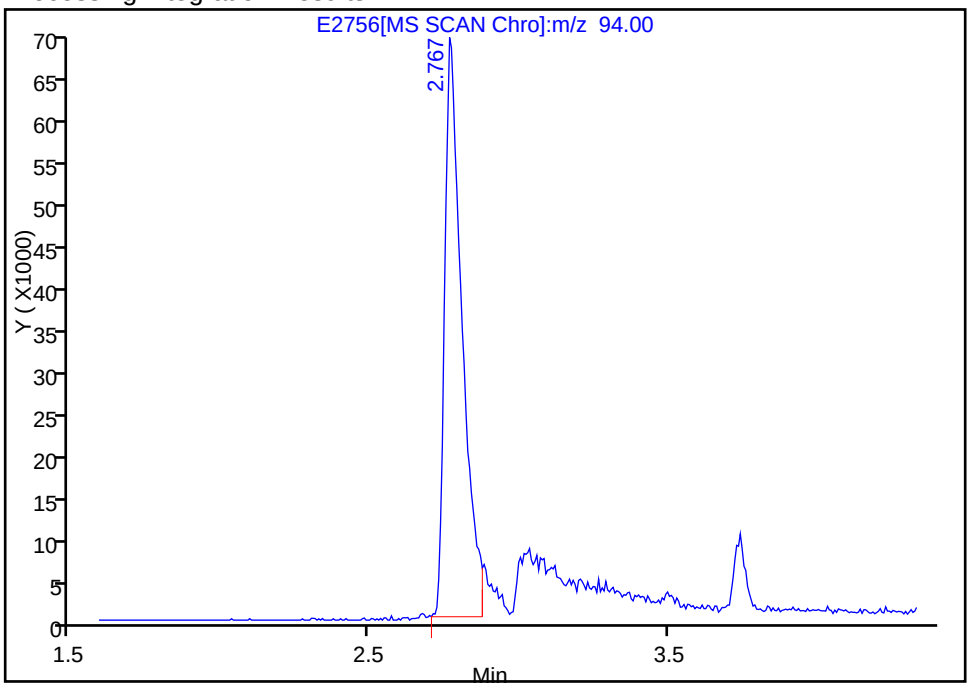
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.77

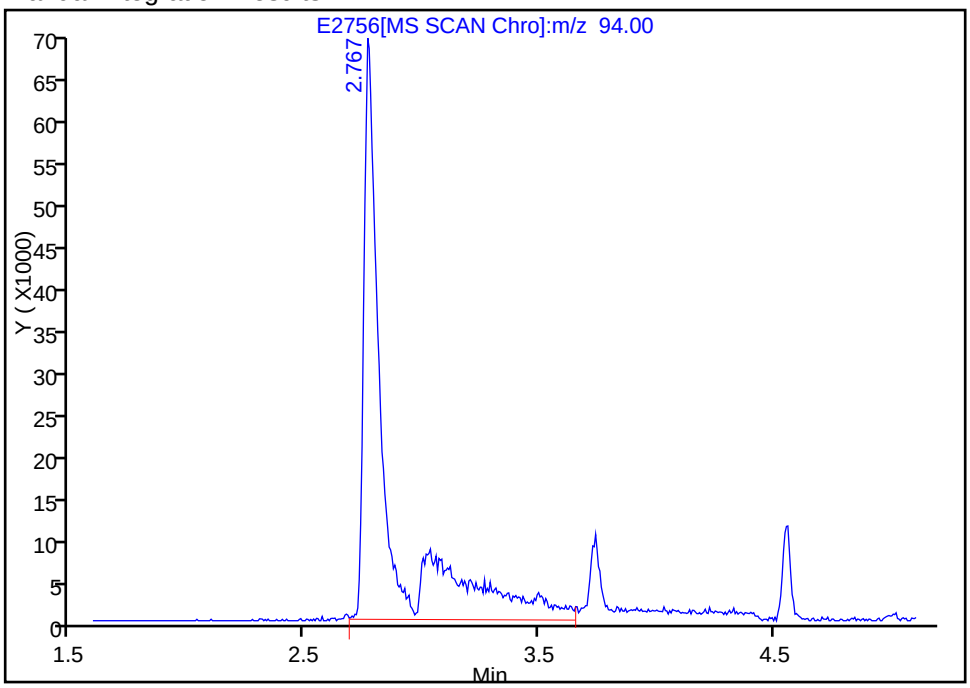
Processing Integration Results

RT: 2.77
Response: 280458
Amount: 88.037388



Manual Integration Results

RT: 2.77
Response: 448947
Amount: 144.4475



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D

Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85337 Lims Sample ID: 7

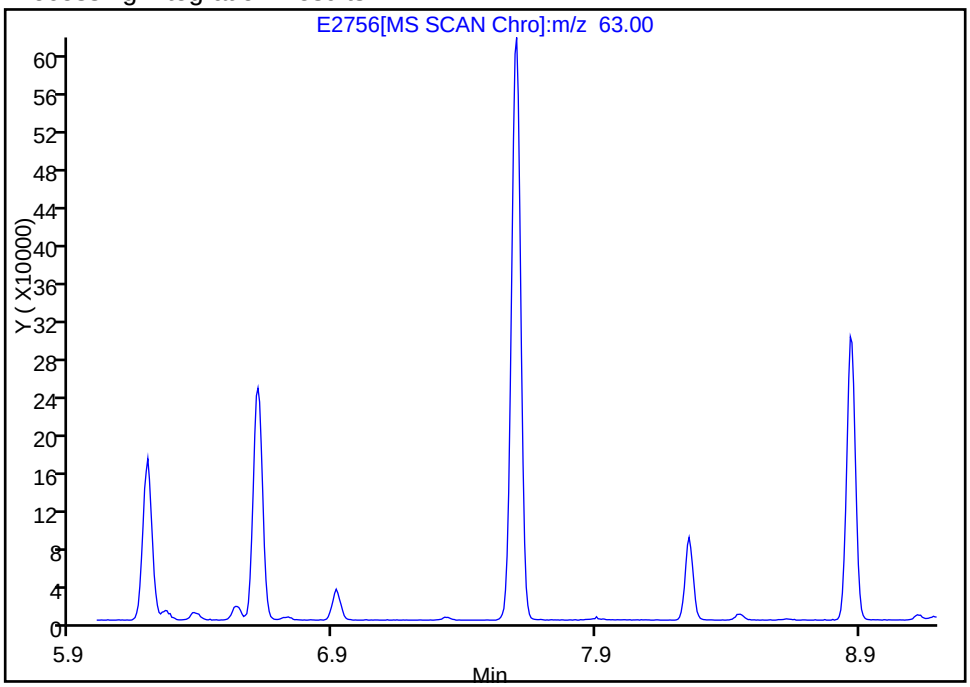
Operator ID: WH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

Processing Integration Results

Not Detected

Expected RT: 7.60

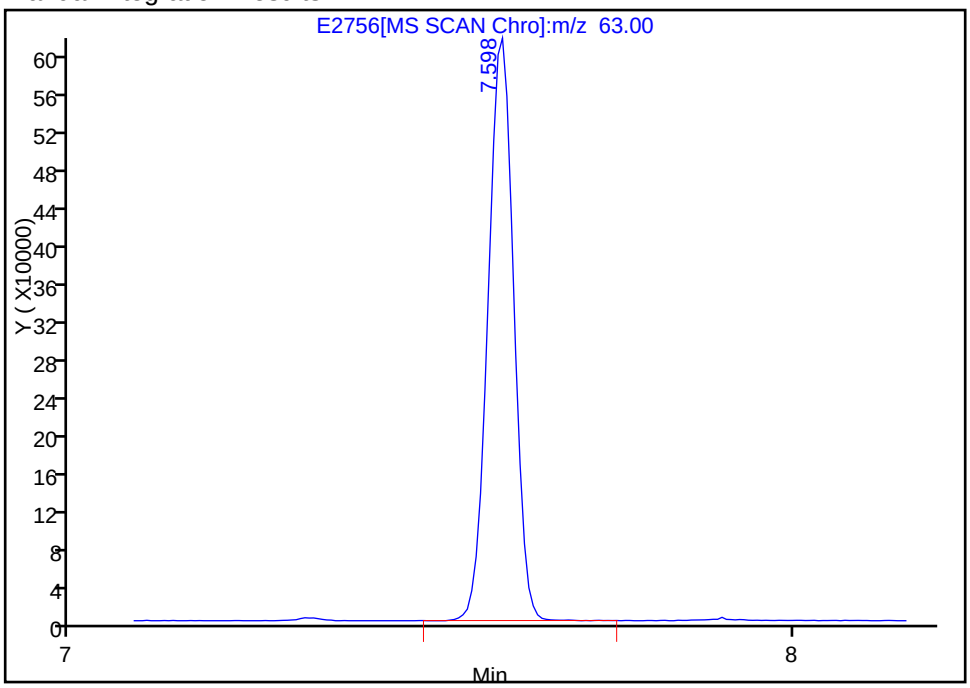


Manual Integration Results

RT: 7.60

Response: 1524156

Amount: 133.2860



Reviewer: hobartw, 19-Aug-2011 08:36:07

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D

Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

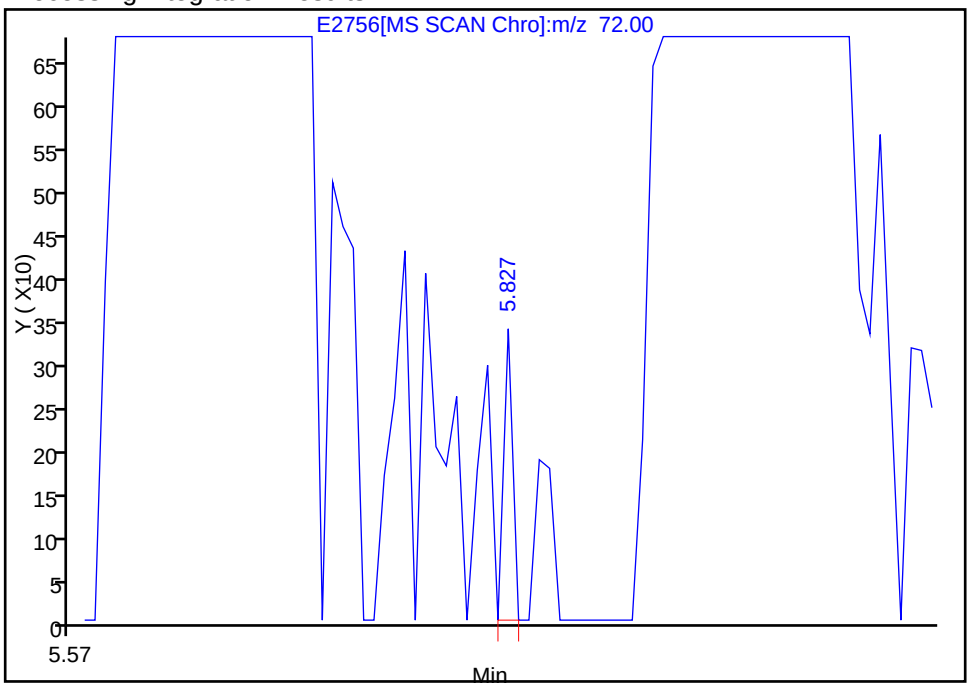
Lims Batch ID: 85337 Lims Sample ID: 7

Operator ID: WH

34 2-Butanone (MEK), Signal: 1, m/z: 72.0 Type: quant, RT: 5.64

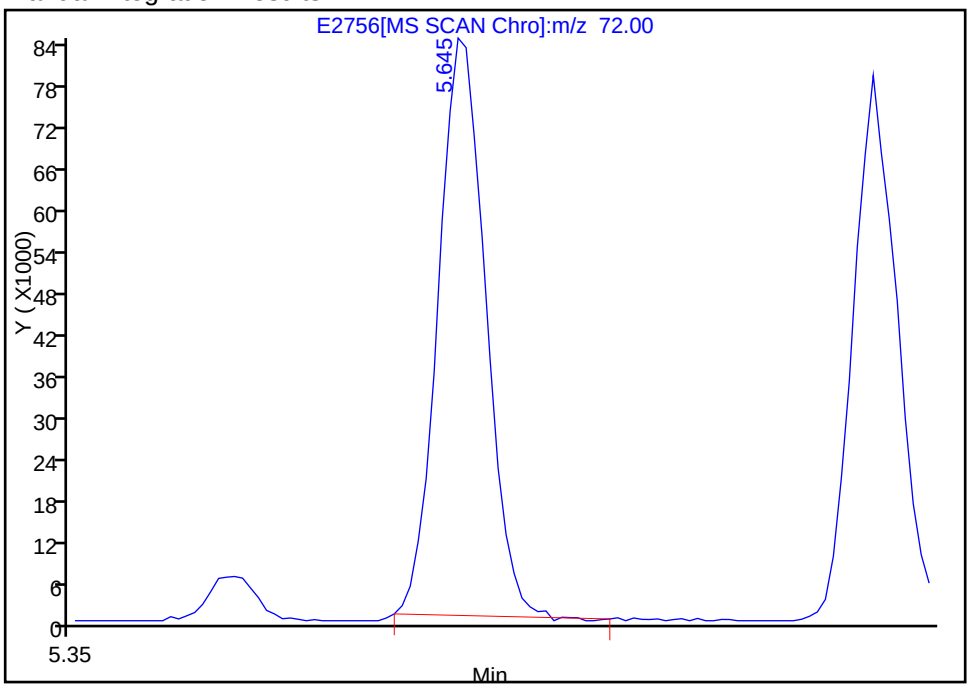
Processing Integration Results

RT: 5.83
Response: 123
Amount: 0.086732



Manual Integration Results

RT: 5.64
Response: 210179
Amount: 146.1883



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

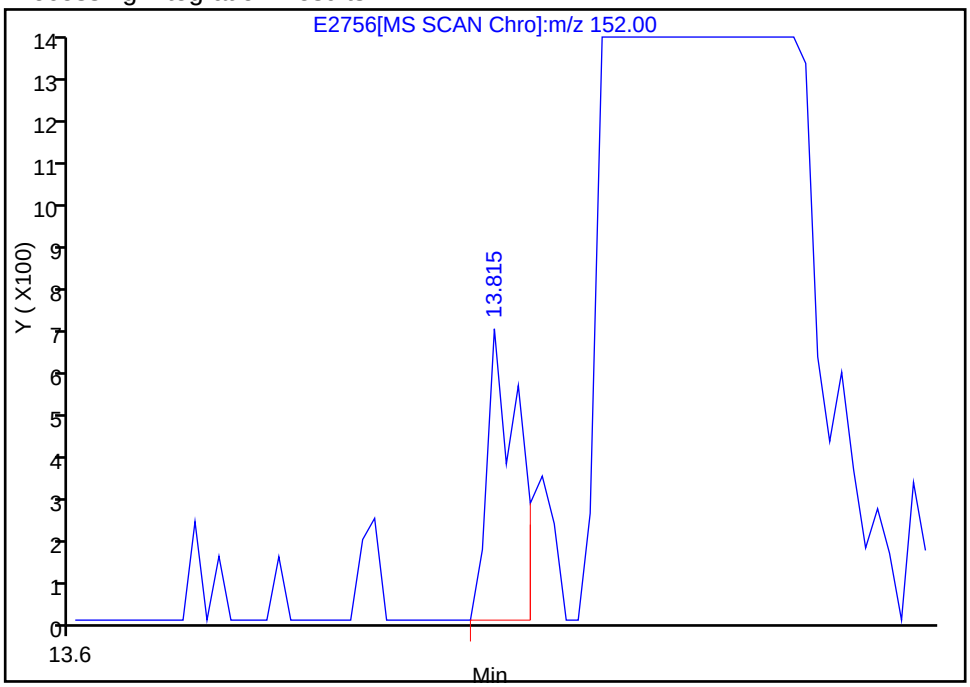
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

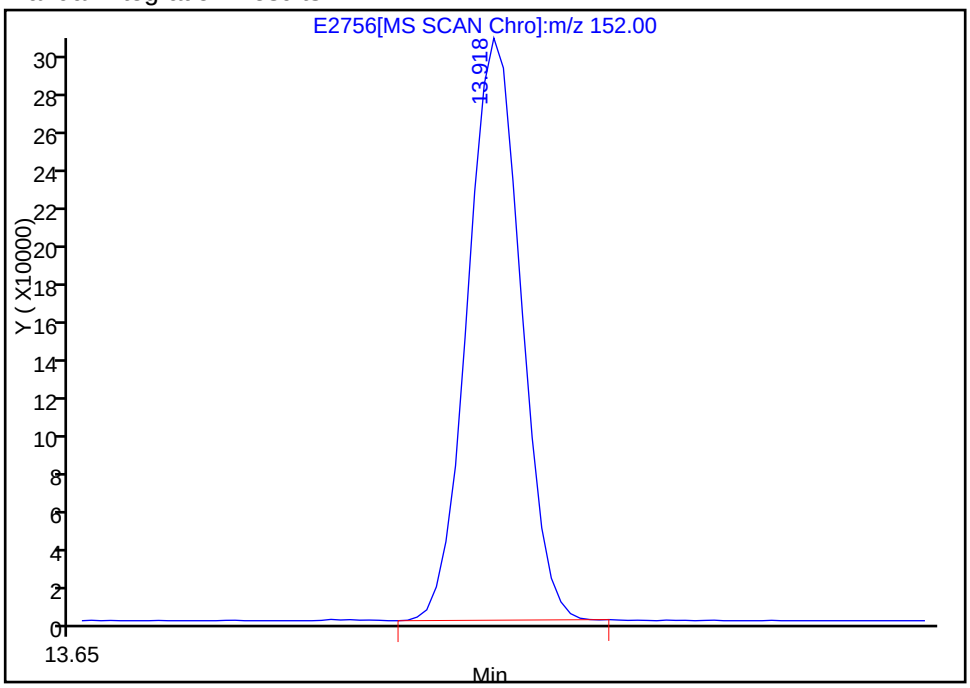
Processing Integration Results

RT: 13.82
Response: 760
Amount: 50.000000



Manual Integration Results

RT: 13.92
Response: 721729
Amount: 50.000000



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

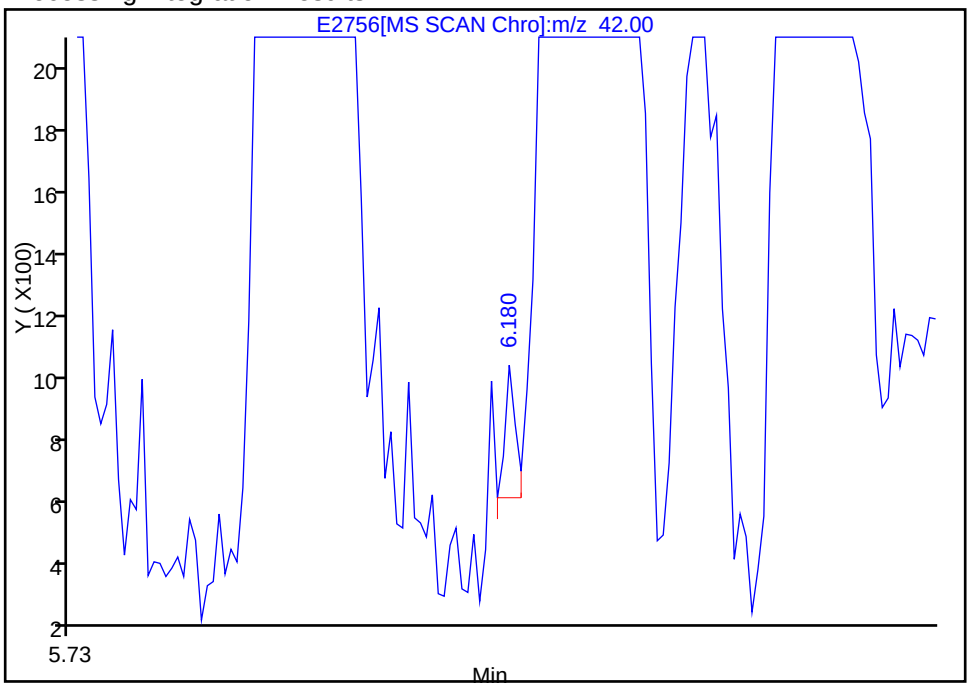
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D		
Injection Date:	19-Aug-2011 07:04:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	7
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

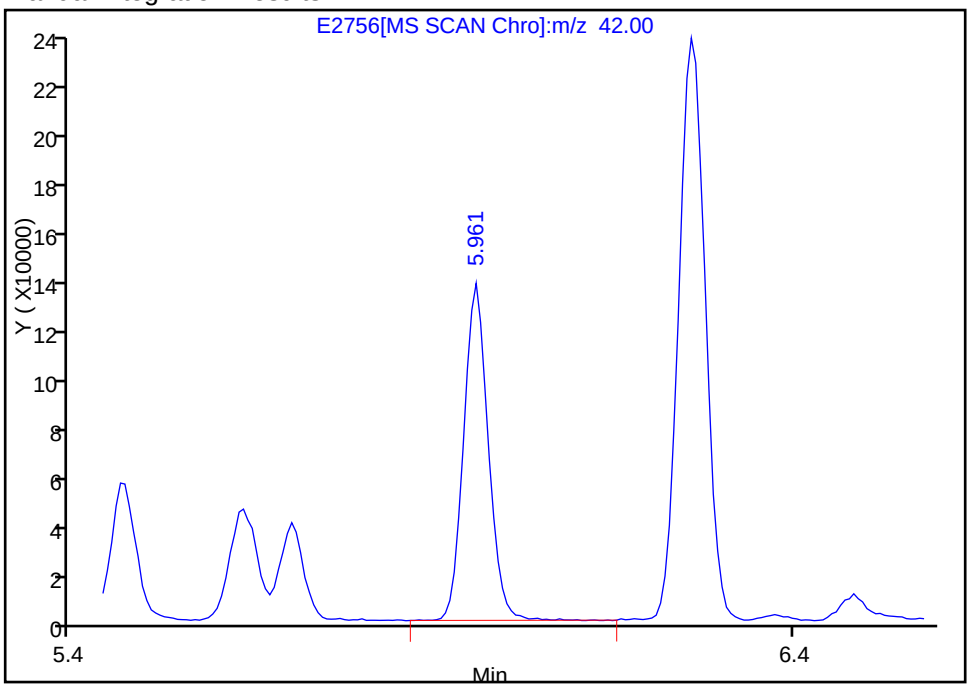
Processing Integration Results

RT: 6.18
Response: 314
Amount: 0.100900



Manual Integration Results

RT: 5.96
Response: 317558
Amount: 90.128648



Reviewer: hallj, 20-Aug-2011 09:37:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

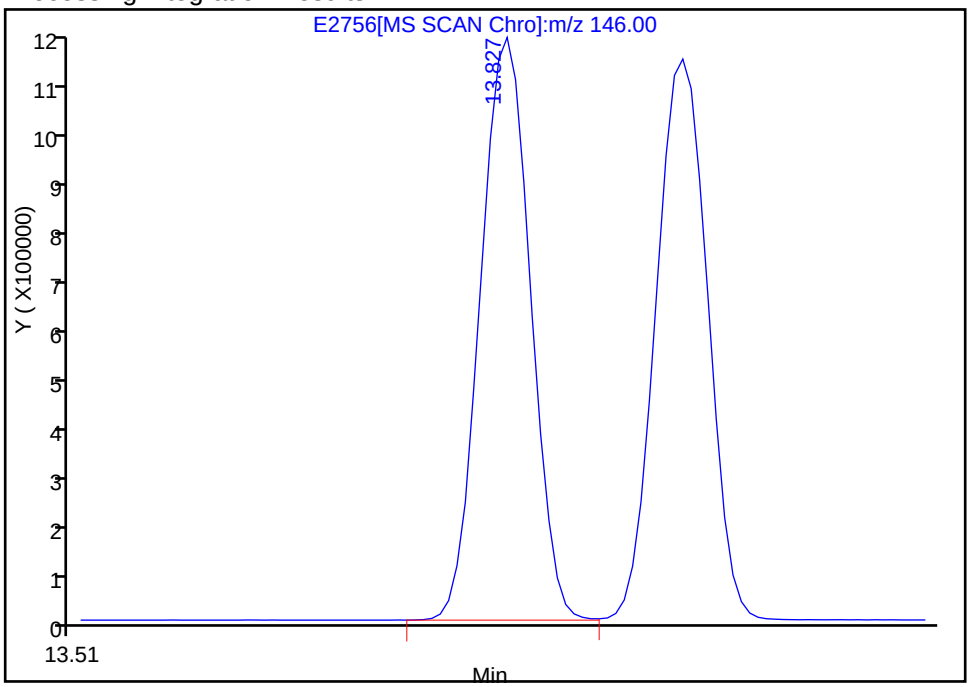
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D		
Injection Date:	19-Aug-2011 07:04:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	7
Operator ID:	WH		

83 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.96

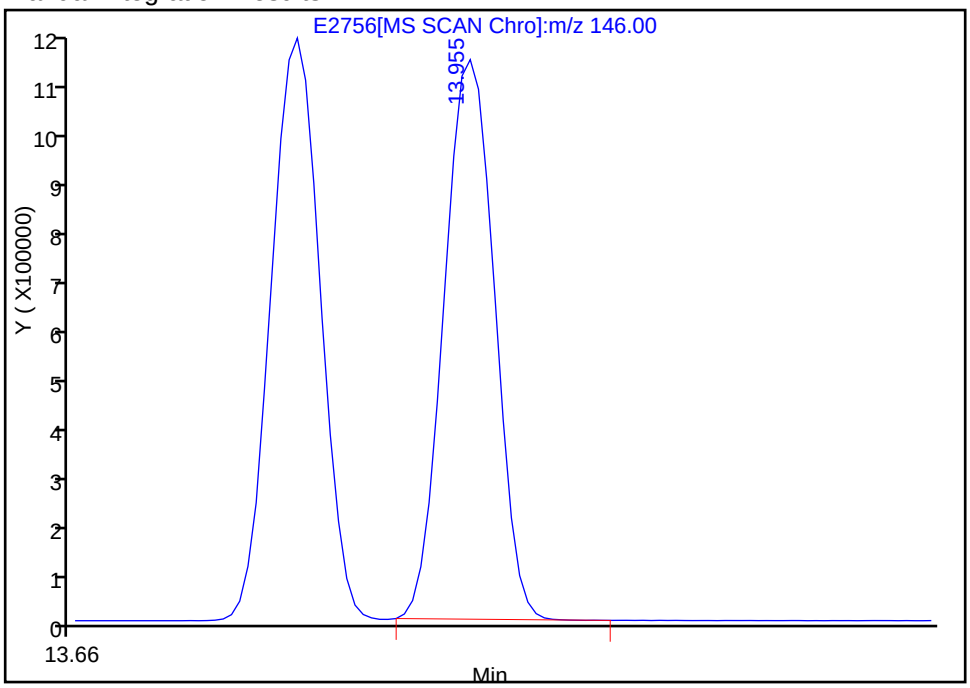
Processing Integration Results

RT: 13.83
Response: 2911243
Amount: 124.2374



Manual Integration Results

RT: 13.95
Response: 2860904
Amount: 154.1685



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

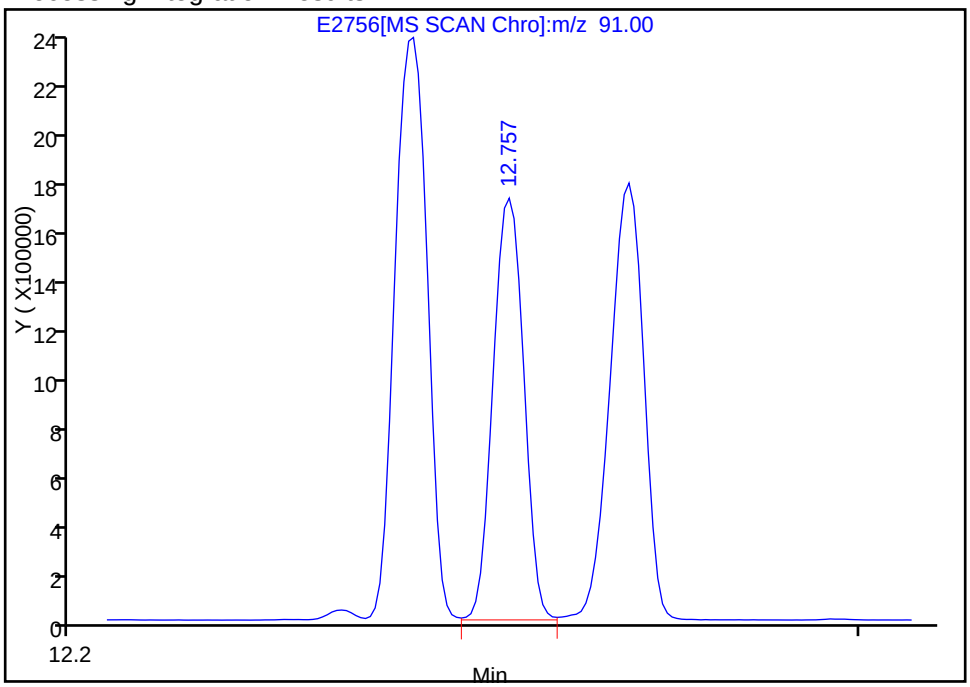
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D		
Injection Date:	19-Aug-2011 07:04:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	7
Operator ID:	WH		

77 4-Chlorotoluene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.91

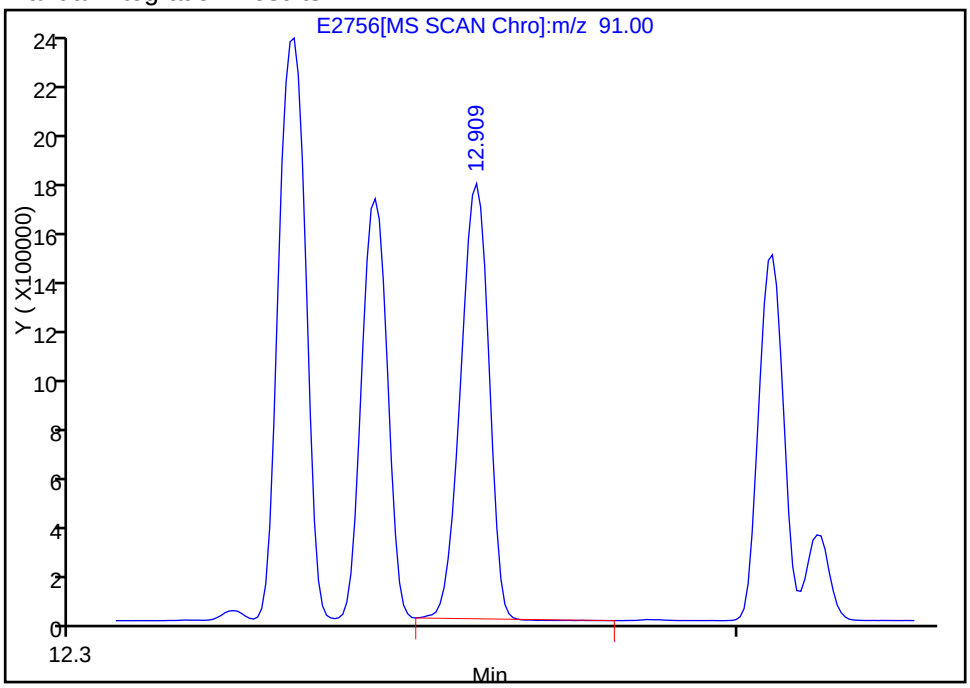
Processing Integration Results

RT: 12.76
Response: 4538925
Amount: 145.3937



Manual Integration Results

RT: 12.91
Response: 5063216
Amount: 146.8868



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:37:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

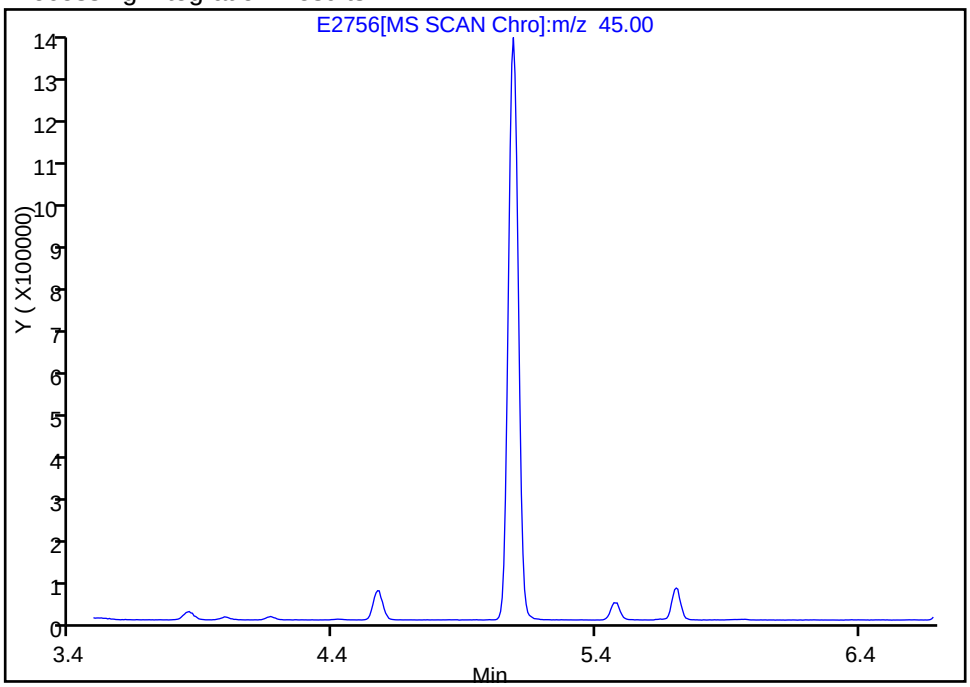
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2756.D
Injection Date: 19-Aug-2011 07:04:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 7
Operator ID: WH

30 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 5.09

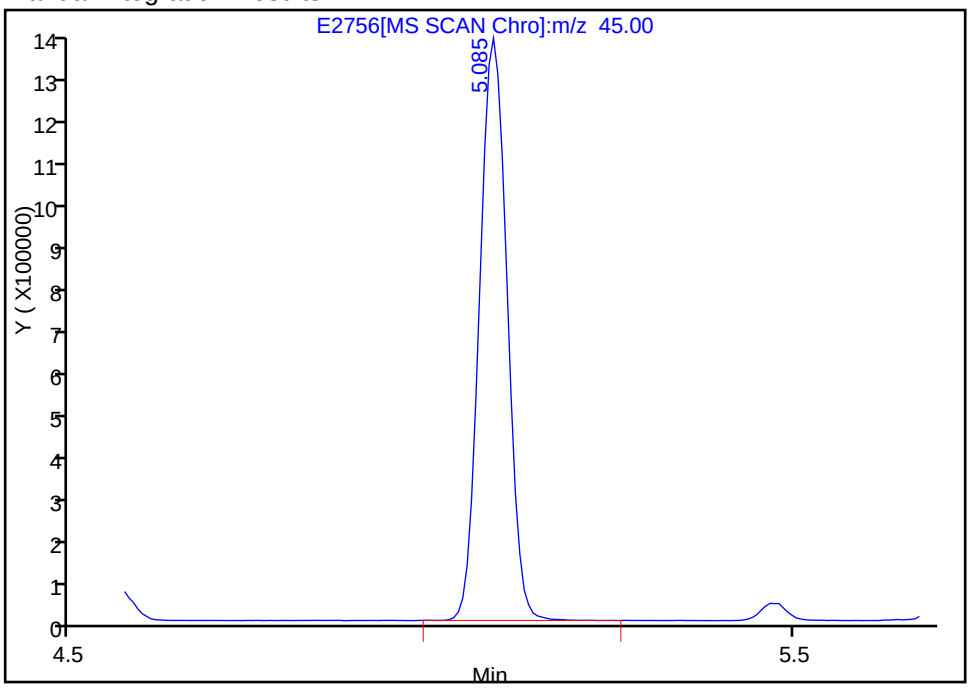
Processing Integration Results

Not Detected
Expected RT: 5.09



Manual Integration Results

RT: 5.09
Response: 3466395
Amount: 144.0763



Reviewer: hobartw, 19-Aug-2011 08:36:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Lims ID: std200 Client ID:
Inject. Date: 19-Aug-2011 07:38:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD200
Misc. Info.: 510-0005409-008 =510-0005409-008
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 85337 Lims Sample ID: 8
Sublist: chrom-8260-SO-VMSA-E*sub24
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m
Last Update: 20-Aug-2011 09:35:55 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 20-Aug-2011 09:35:55

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.911	6.916	-0.005	97	1667124	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.651	0.001	86	1353355	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.919	0.0	11	747022	50.0	M
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.533	-0.006	0	407809	48.8	
$ 6 Toluene-d8 (Surr)	98	8.790	8.789	0.001	94	1704596	50.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	86	782378	52.6	
8 Dichlorodifluoromethane	85	2.099	2.104	-0.005	88	2998080	167.8	
9 Chloromethane	50	2.312	2.311	0.001	88	1965805	179.9	
10 Vinyl chloride	62	2.445	2.444	0.001	74	2556589	189.4	
11 Bromomethane	94	2.768	2.768	0.0	92	582009	202.9	M
12 Chloroethane	64	2.871	2.871	0.0	95	721851	74.9	M
13 Trichlorofluoromethane	101	3.133	3.174	-0.041	79	3262696	156.8	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.492	3.509	-0.017	83	2671671	161.4	
15 Acrolein	56	3.638	3.643	-0.005	92	113491	165.5	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.735	3.752	-0.017	80	1411436	165.1	
16 1,1-Dichloroethene	96	3.735	3.752	-0.017	97	1752269	168.5	
18 Acetone	58	3.820	3.813	0.007	96	203241	200.9	
19 Iodomethane	142	3.918	3.918	0.0	97	1463854	205.7	M
20 Carbon disulfide	76	3.984	3.996	-0.012	99	5212597	191.1	
21 Methyl acetate	43	4.155	4.160	-0.005	95	1506199	175.0	
22 Methylene Chloride	84	4.270	4.282	-0.012	79	1776411	168.4	
23 2-Methyl-2-propanol	59	4.423	4.409	0.013	96	759717	802.0	
24 Acrylonitrile	53	4.526	4.531	-0.005	59	421762	190.8	
25 trans-1,2-Dichloroethene	96	4.550	4.561	-0.011	93	1904906	164.5	
26 Methyl tert-butyl ether	73	4.569	4.574	-0.006	93	4090272	157.2	
27 Hexane	57	4.848	4.860	-0.012	94	1935119	165.9	
28 1,1-Dichloroethane	63	5.000	5.012	-0.012	83	3101937	157.9	
29 Vinyl acetate	43	5.080	5.080	0.0	0	4560936	391.3	M
30 Isopropyl ether	45	5.086	5.085	0.001	79	4398324	202.6	
31 Tert-butyl ethyl ether	59	5.475	5.474	0.001	86	4120475	161.9	

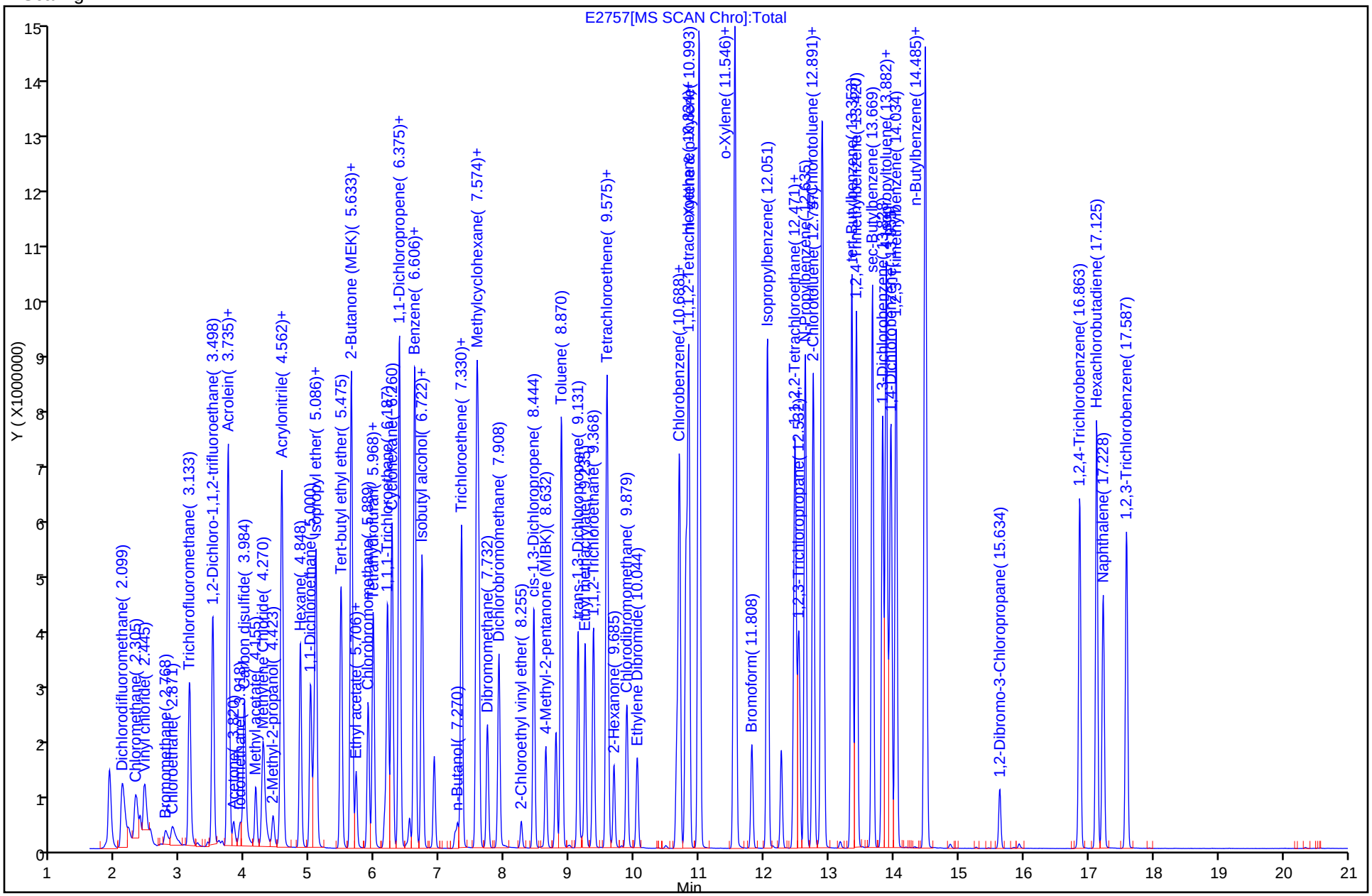
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.627	5.632	-0.005	85	2163364	162.8	
33 2,2-Dichloropropane	77	5.633	5.644	-0.011	79	3070835	176.8	
34 2-Butanone (MEK)	72	5.651	5.645	0.006	55	287512	194.9	
105 Ethyl acetate	43	5.706	5.705	0.001	0	1493500	169.2	
93 Propionitrile	54	5.712	5.712	0.0	0	182783	164.9	M
35 Chlorobromomethane	130	5.895	5.900	-0.005	85	1156227	173.6	
36 Chloroform	83	5.968	5.979	-0.011	69	3284803	191.7	
37 1,1,1-Trichloroethane	97	6.193	6.198	-0.005	89	3153077	168.3	
38 Cyclohexane	84	6.260	6.265	-0.005	89	2931398	172.2	
95 Tetrahydrofuran	42	5.962	5.962	0.0	0	420490	107.4	M
39 1,1-Dichloropropene	75	6.369	6.374	-0.005	88	2951635	166.0	
40 Carbon tetrachloride	117	6.375	6.387	-0.012	72	2827348	172.7	
41 Benzene	78	6.606	6.612	-0.006	92	6257036	203.3	
42 1,2-Dichloroethane	62	6.613	6.618	-0.005	53	2340070	171.6	
43 Isobutyl alcohol	41	6.722	6.721	0.001	44	648237	179.2	
44 Tert-amyl methyl ether	73	6.722	6.727	-0.005	91	4346784	168.0	
102 n-Butanol	56	7.270	7.226	0.044	0	507463	2308.7	
45 Trichloroethene	132	7.330	7.336	-0.006	89	2144983	169.4	
46 Methylcyclohexane	83	7.568	7.573	-0.005	92	3511845	164.0	
47 1,2-Dichloropropane	63	7.598	7.598	0.0	1	1966881	166.9	M
48 Dibromomethane	93	7.732	7.731	0.001	86	1022326	177.7	
49 Dichlorobromomethane	83	7.908	7.907	0.001	90	2548591	175.0	
50 2-Chloroethyl vinyl ether	63	8.249	8.257	-0.008	89	205941	379.2	
54 cis-1,3-Dichloropropene	75	8.444	8.449	-0.005	89	2863249	185.3	
52 4-Methyl-2-pentanone (MIBK)	43	8.632	8.631	0.001	95	1326596	191.1	
53 Toluene	91	8.870	8.875	-0.005	90	6399878	203.7	
51 trans-1,3-Dichloropropene	75	9.131	9.130	0.001	94	2519122	190.7	
55 Ethyl methacrylate	69	9.235	9.234	0.001	75	2461979	191.7	
56 1,1,2-Trichloroethane	83	9.368	9.367	0.001	89	1298603	173.1	
57 Tetrachloroethene	164	9.569	9.568	0.001	82	1666459	164.2	
58 1,3-Dichloropropane	76	9.587	9.586	0.001	91	2575502	165.3	
59 2-Hexanone	43	9.685	9.684	0.001	92	1108751	199.9	
60 Chlorodibromomethane	129	9.879	9.878	0.001	85	1682860	187.6	
61 Ethylene Dibromide	107	10.044	10.043	0.001	99	1396701	180.6	
62 Chlorobenzene	112	10.695	10.694	0.001	91	4453641	200.3	
63 1,1,1,2-Tetrachloroethane	131	10.792	10.791	0.001	86	1873547	175.9	
64 Ethylbenzene	91	10.834	10.834	0.0	89	6841489	NaN	
65 m-Xylene & p-Xylene	91	10.993	10.998	-0.005	0	8830035	NaN	
66 o-Xylene	91	11.540	11.539	0.001	79	6059690	202.2	
67 Styrene	104	11.558	11.557	0.001	79	4912867	153.7	
68 Bromoform	173	11.808	11.807	0.001	93	1047346	200.7	
69 Isopropylbenzene	105	12.051	12.050	0.001	87	6536639	201.5	
71 1,1,2,2-Tetrachloroethane	83	12.459	12.458	0.001	87	1759922	163.9	
70 Bromobenzene	156	12.477	12.482	-0.005	92	2119758	170.4	
72 1,2,3-Trichloropropane	75	12.526	12.525	0.001	85	2541539	192.7	
73 trans-1,4-Dichloro-2-butene	53	12.544	12.543	0.001	50	524625	207.7	
74 N-Propylbenzene	91	12.635	12.634	0.001	86	7682211	209.1	
75 2-Chlorotoluene	91	12.757	12.756	0.001	89	5534713	151.2	
76 1,3,5-Trimethylbenzene	105	12.885	12.885	0.0	35	6111528	201.9	M
77 4-Chlorotoluene	91	12.909	12.909	0.0	91	6230034	201.8	M
78 tert-Butylbenzene	119	13.353	13.352	0.001	86	5793460	154.9	
80 1,2,4-Trimethylbenzene	105	13.420	13.420	0.0	86	6085175	204.1	M

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	90	7308878	205.5	
82 1,3-Dichlorobenzene	146	13.828	13.827	0.001	87	3684222	157.5	
79 4-Isopropyltoluene	119	13.882	13.881	0.001	77	6368847	201.1	
83 1,4-Dichlorobenzene	146	13.955	13.955	0.0	83	3610710	189.9	M
99 1,2,3-Trimethylbenzene	105	14.034	14.034	0.0	0	6223352	135.7	M
84 n-Butylbenzene	91	14.478	14.478	0.0	84	6162518	201.4	
85 1,2-Dichlorobenzene	146	14.497	14.496	0.001	86	3246764	190.6	
86 1,2-Dibromo-3-Chloropropane	157	15.634	15.633	0.001	65	386056	209.5	
87 1,2,4-Trichlorobenzene	180	16.863	16.868	-0.005	89	2504883	179.6	
88 Hexachlorobutadiene	225	17.125	17.124	0.001	94	1860640	174.3	
89 Naphthalene	128	17.228	17.227	0.001	95	4505580	171.5	
90 1,2,3-Trichlorobenzene	180	17.587	17.586	0.001	90	2325271	177.2	
S 92 Total 1,2-dichloroethene	100				0		327.3	
S 91 Xylenes, Total	100				0		NaN	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 20-Aug-2011 09:35:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Injection Date: 19-Aug-2011 07:38:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 8
Operator ID: WH
Y Scaling:



Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

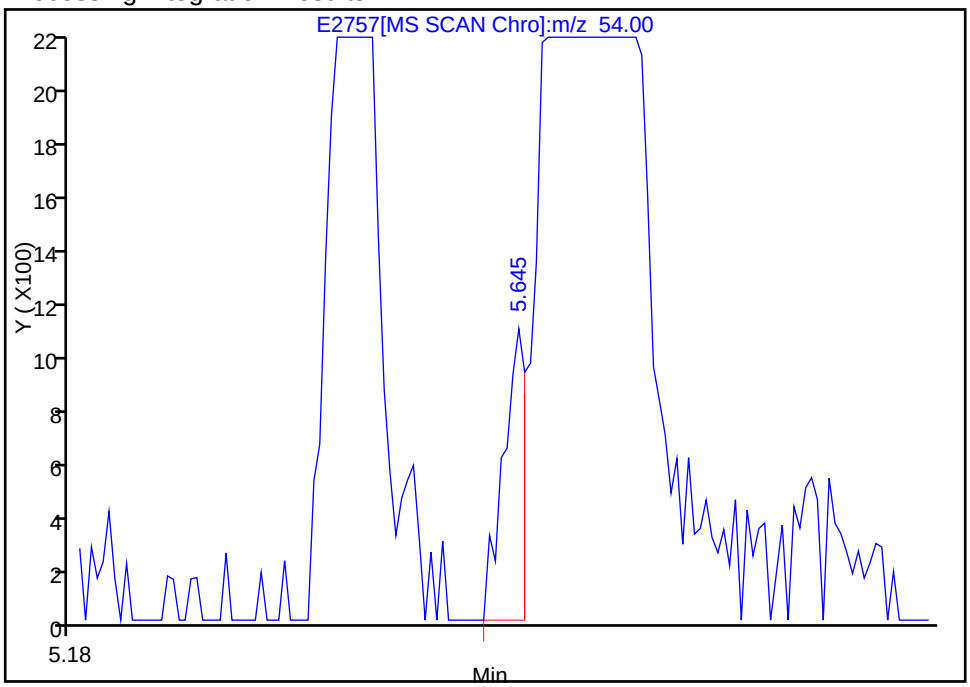
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

93 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 5.71

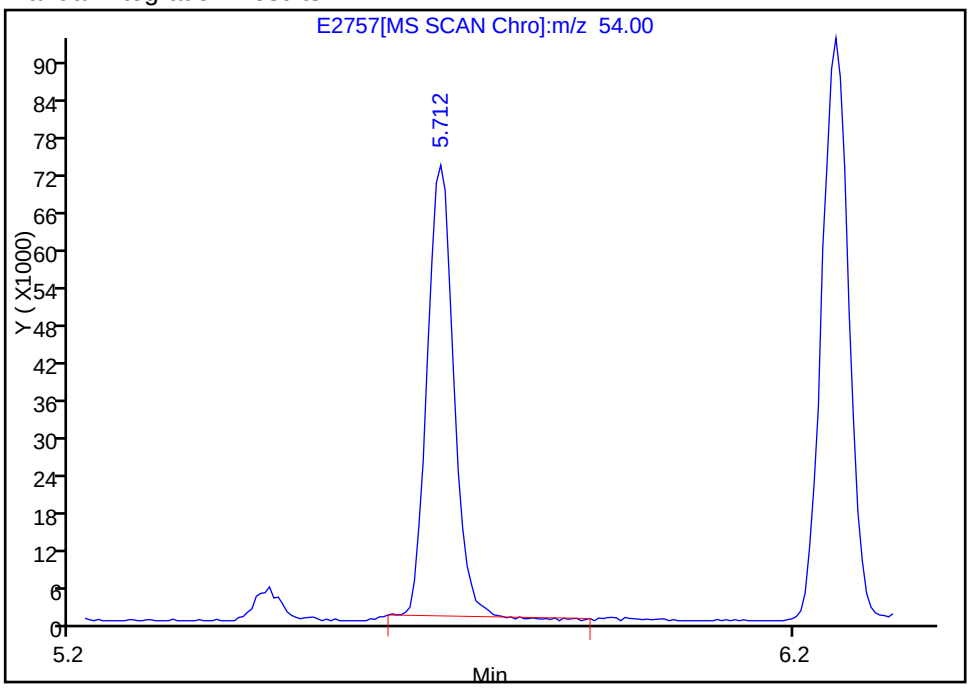
Processing Integration Results

RT: 5.65
Response: 1731
Amount: 1.768112



Manual Integration Results

RT: 5.71
Response: 182783
Amount: 164.9170



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

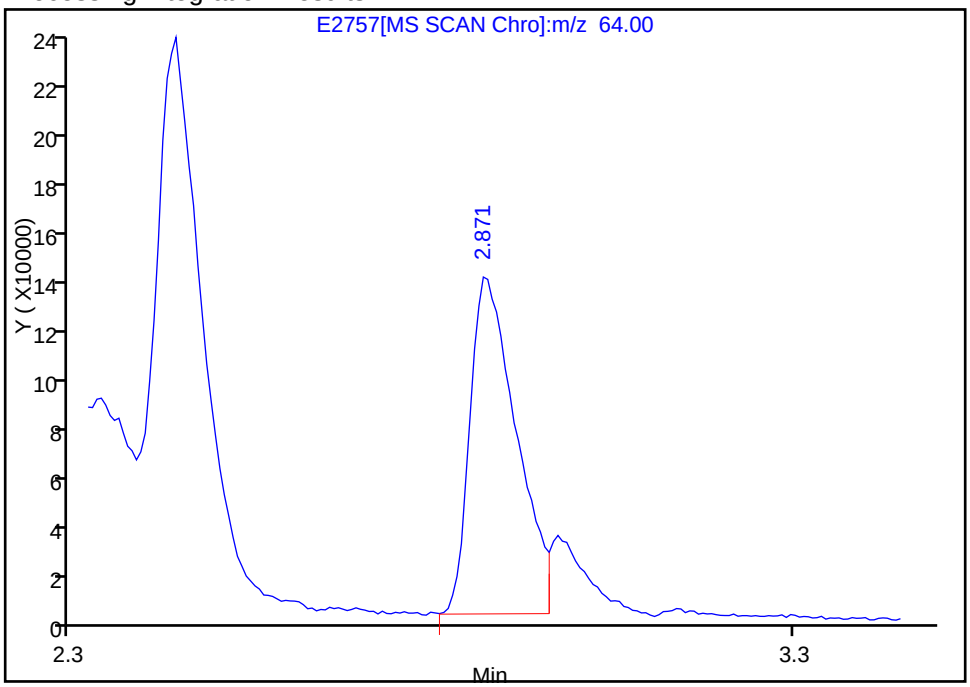
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.87

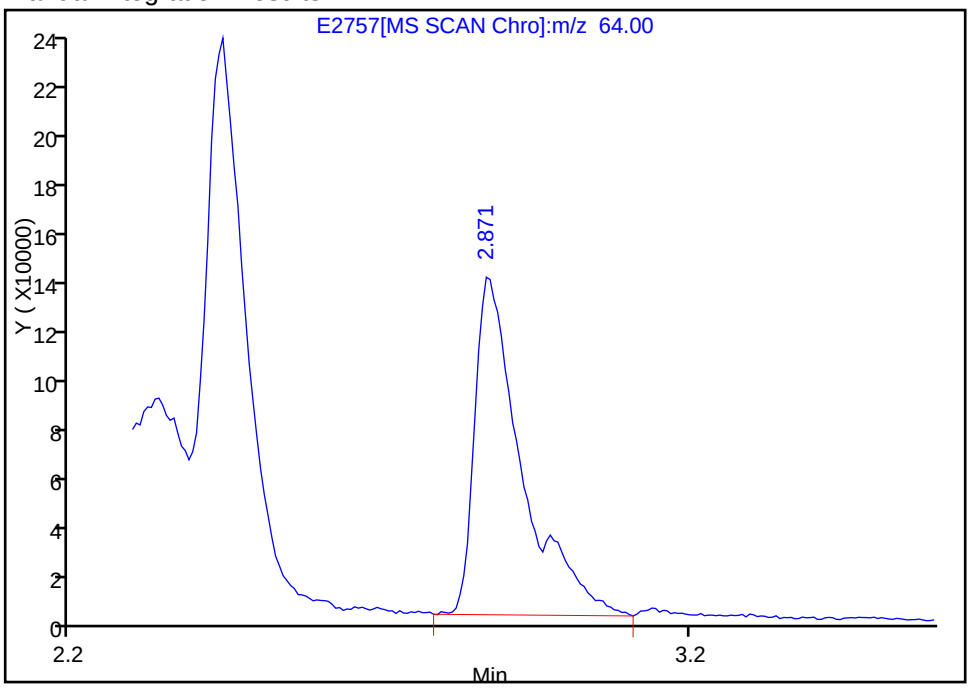
Processing Integration Results

RT: 2.87
Response: 607163
Amount: 71.078953



Manual Integration Results

RT: 2.87
Response: 721851
Amount: 74.854811



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

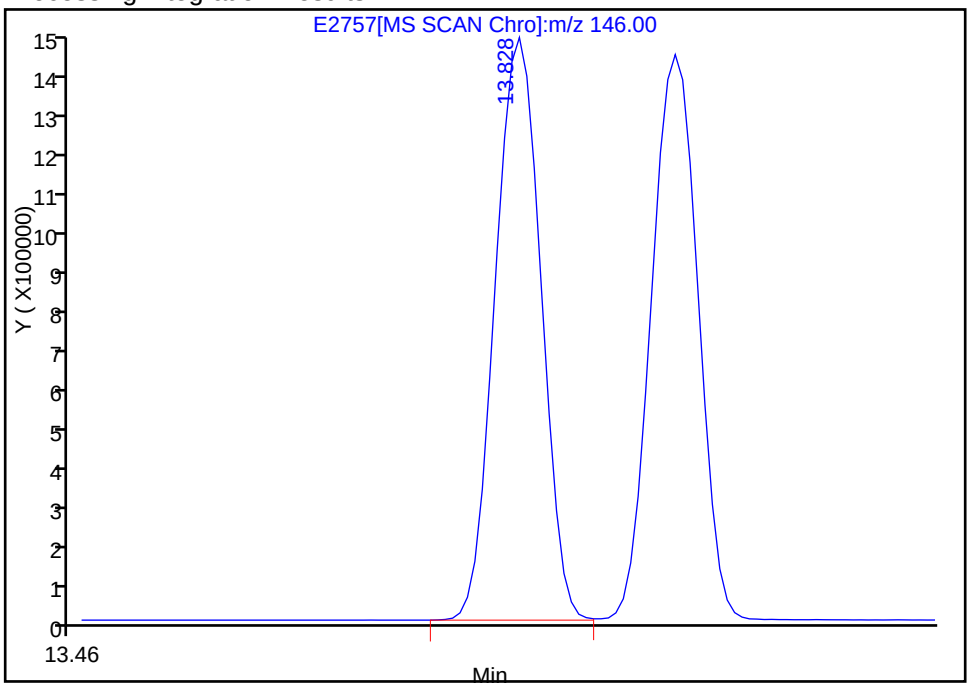
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Injection Date: 19-Aug-2011 07:38:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85337 Lims Sample ID: 8
Operator ID: WH

83 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.96

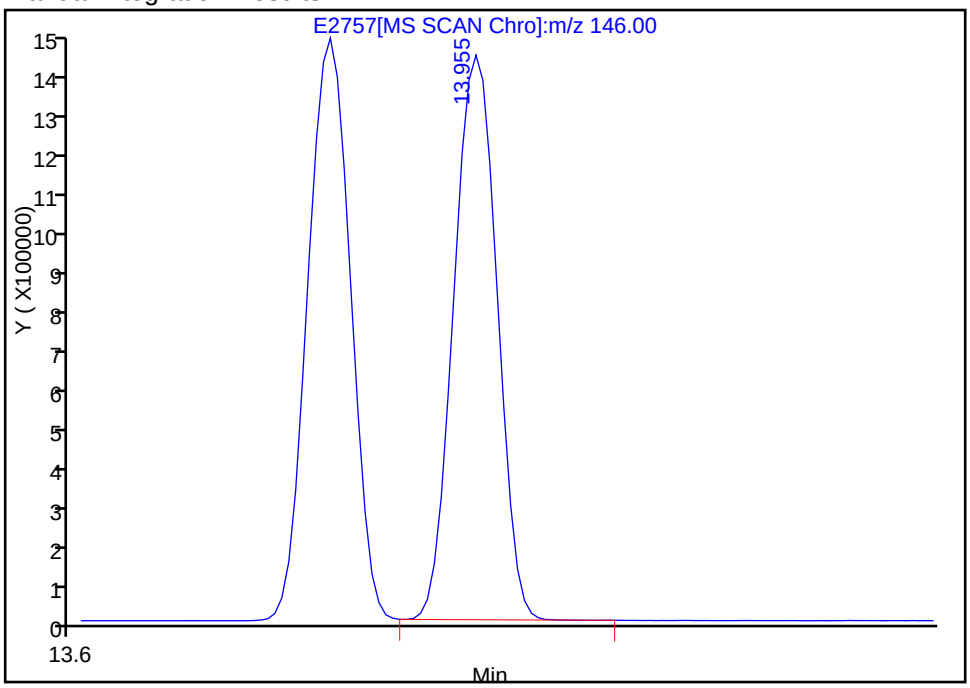
Processing Integration Results

RT: 13.83
Response: 3684222
Amount: 191.7205



Manual Integration Results

RT: 13.96
Response: 3610710
Amount: 189.9168



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

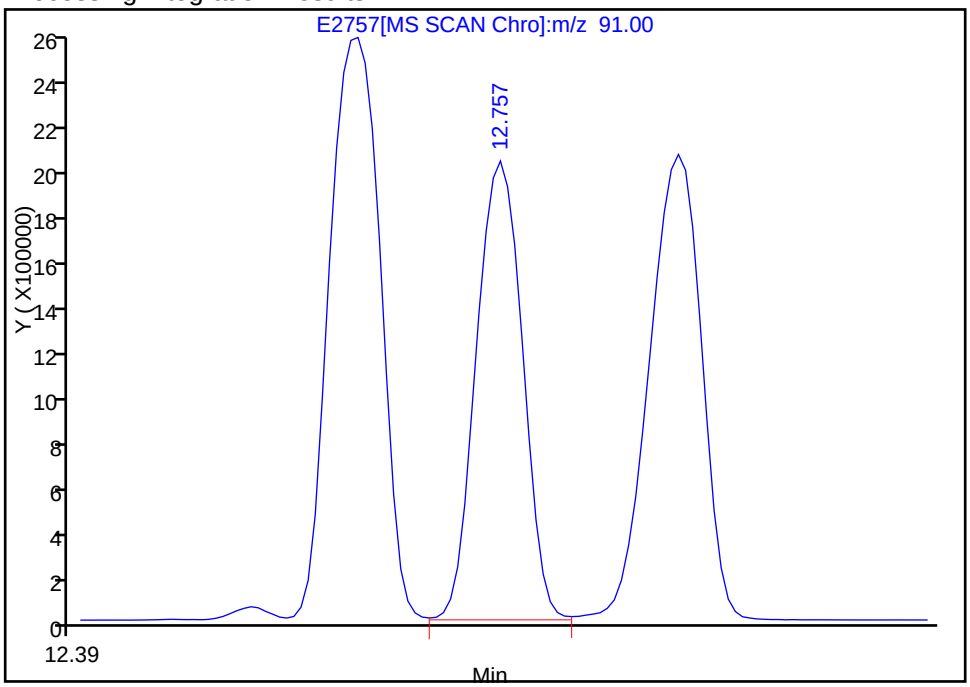
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

77 4-Chlorotoluene, Signal: 1, m/z: 91.0 Type: quant, RT: 12.91

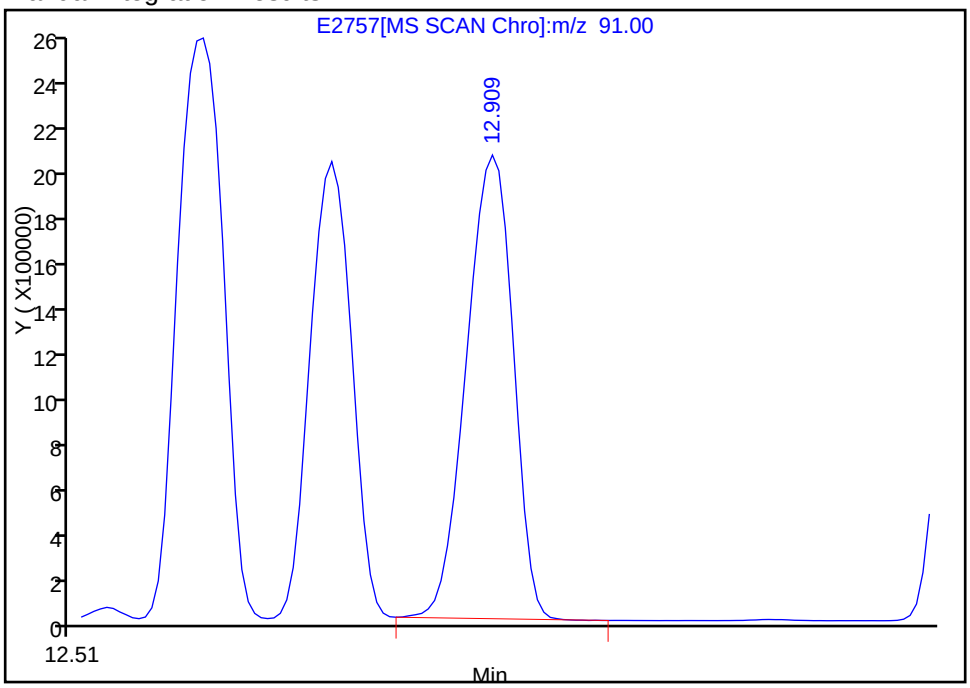
Processing Integration Results

RT: 12.76
Response: 5535234
Amount: 187.5404



Manual Integration Results

RT: 12.91
Response: 6230034
Amount: 201.7536



Reviewer: hallj, 20-Aug-2011 09:35:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

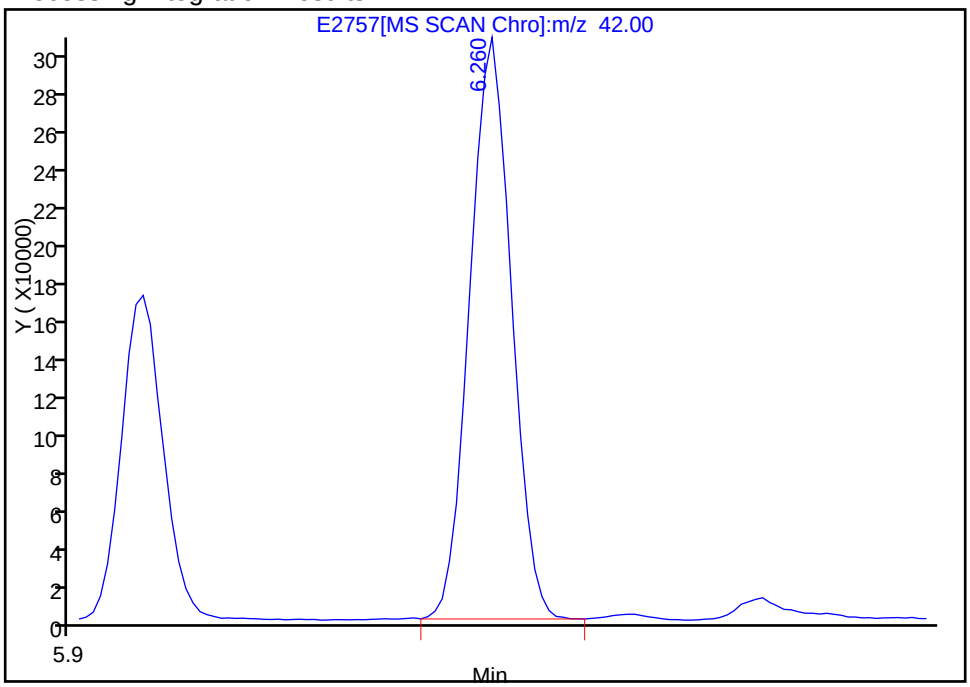
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

95 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 5.96

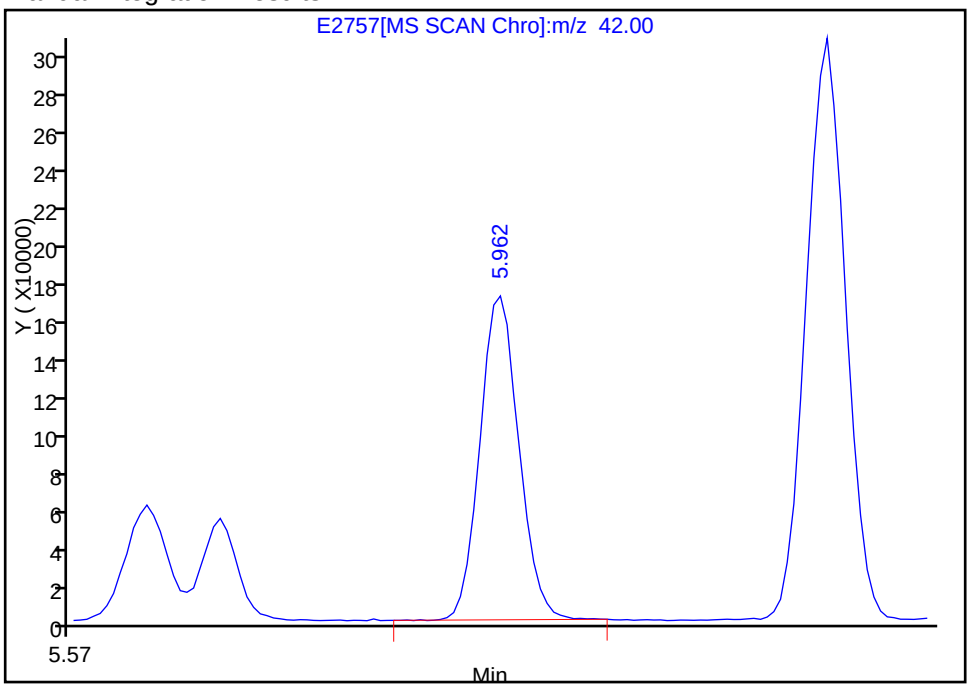
Processing Integration Results

RT: 6.26
Response: 758764
Amount: 182.4991



Manual Integration Results

RT: 5.96
Response: 420490
Amount: 107.3772



Reviewer: hallj, 20-Aug-2011 09:35:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

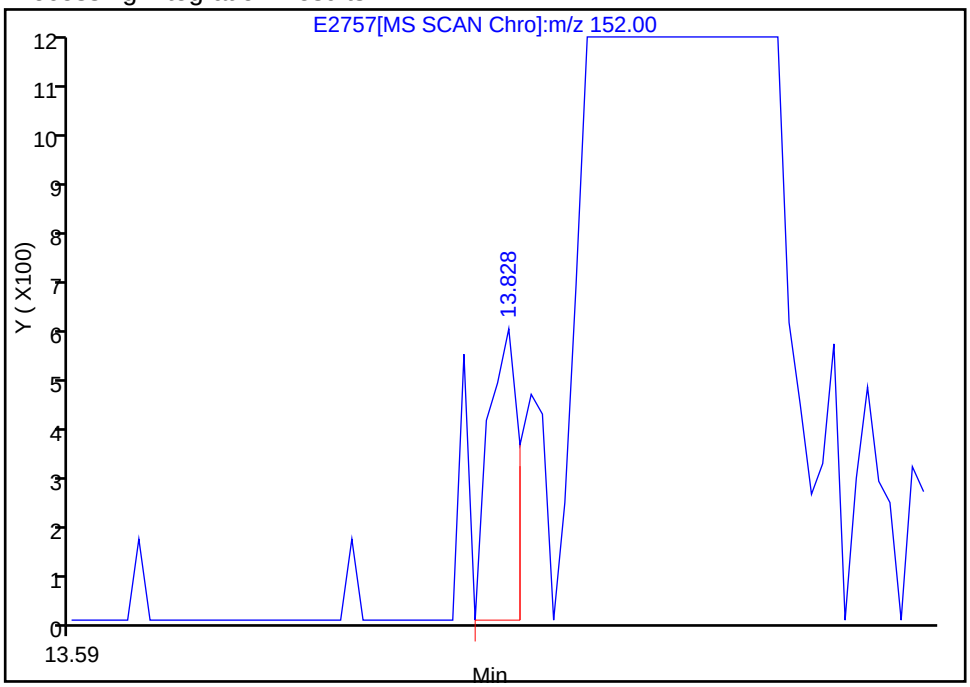
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

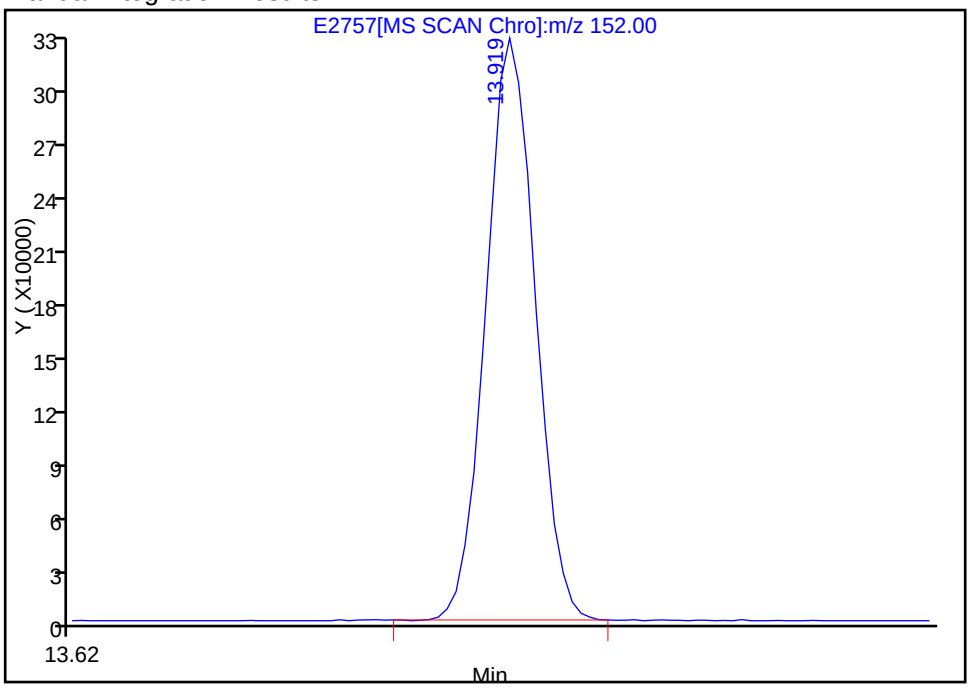
Processing Integration Results

RT: 13.83
Response: 634
Amount: 50.000000



Manual Integration Results

RT: 13.92
Response: 747022
Amount: 50.000000



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D

Injection Date: 19-Aug-2011 07:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

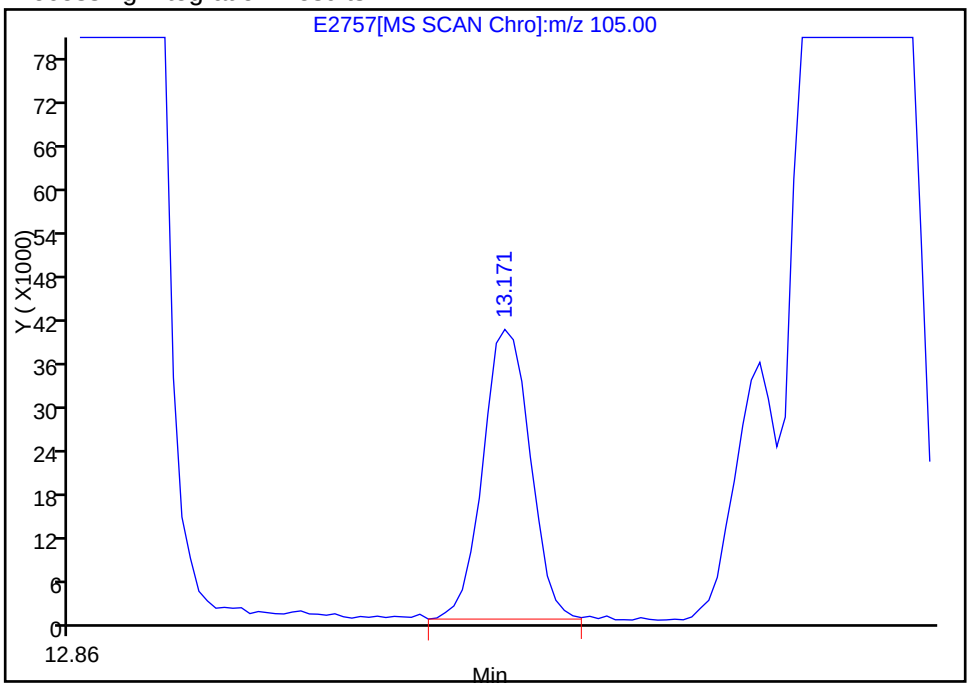
Lims Batch ID: 85337 Lims Sample ID: 8

Operator ID: WH

80 1,2,4-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 13.42

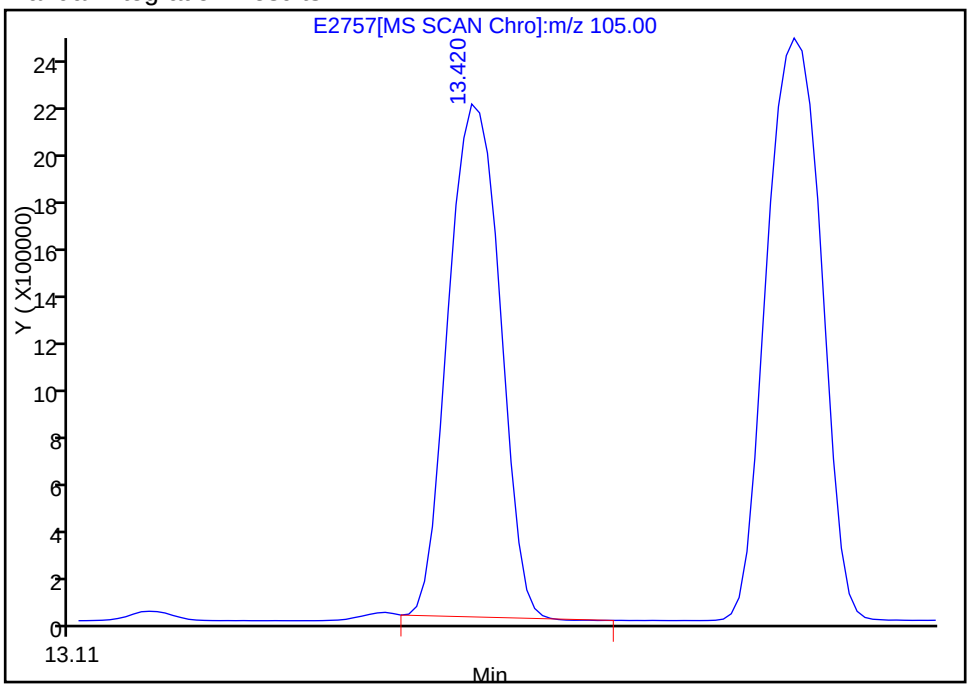
Processing Integration Results

RT: 13.17
Response: 93831
Amount: 2.454035



Manual Integration Results

RT: 13.42
Response: 6085175
Amount: 204.0801



Reviewer: hobartw, 19-Aug-2011 09:28:51

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

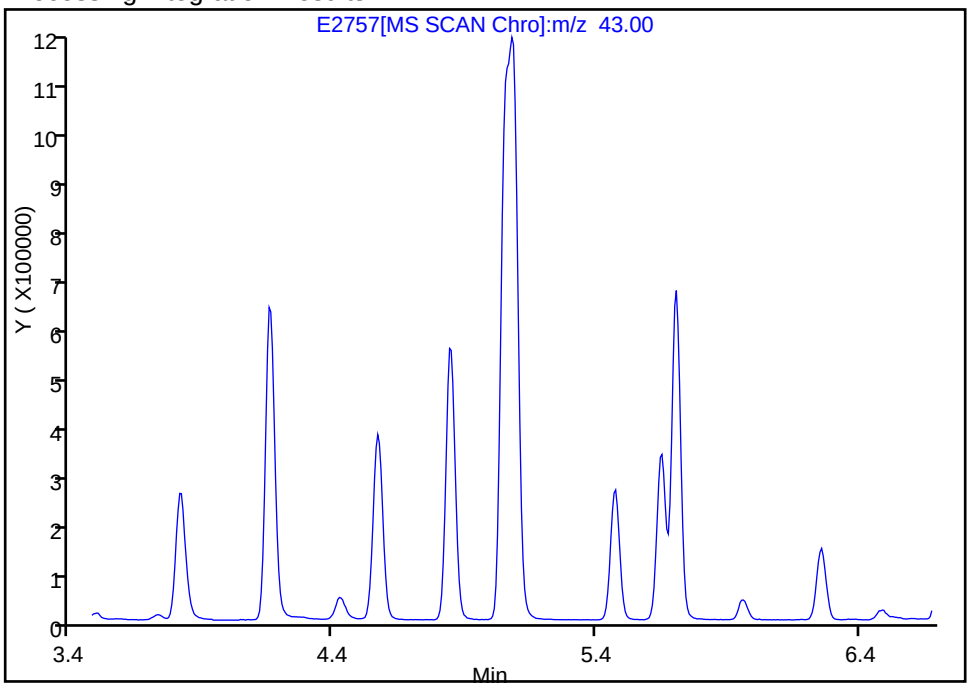
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

29 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 5.08

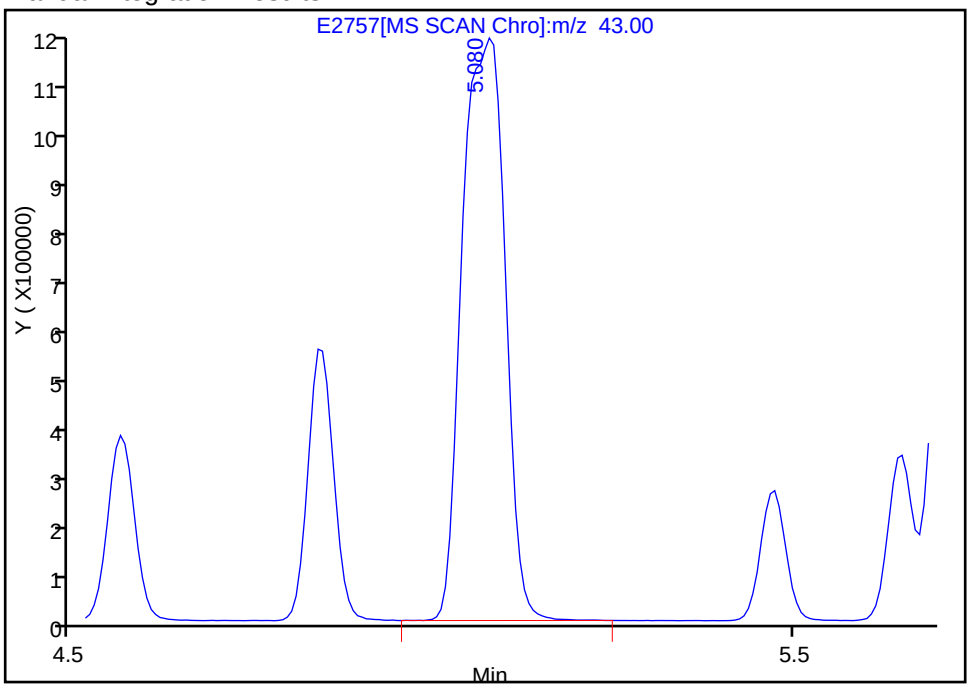
Processing Integration Results

Not Detected
Expected RT: 5.08



Manual Integration Results

RT: 5.08
Response: 4560936
Amount: 391.3321



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

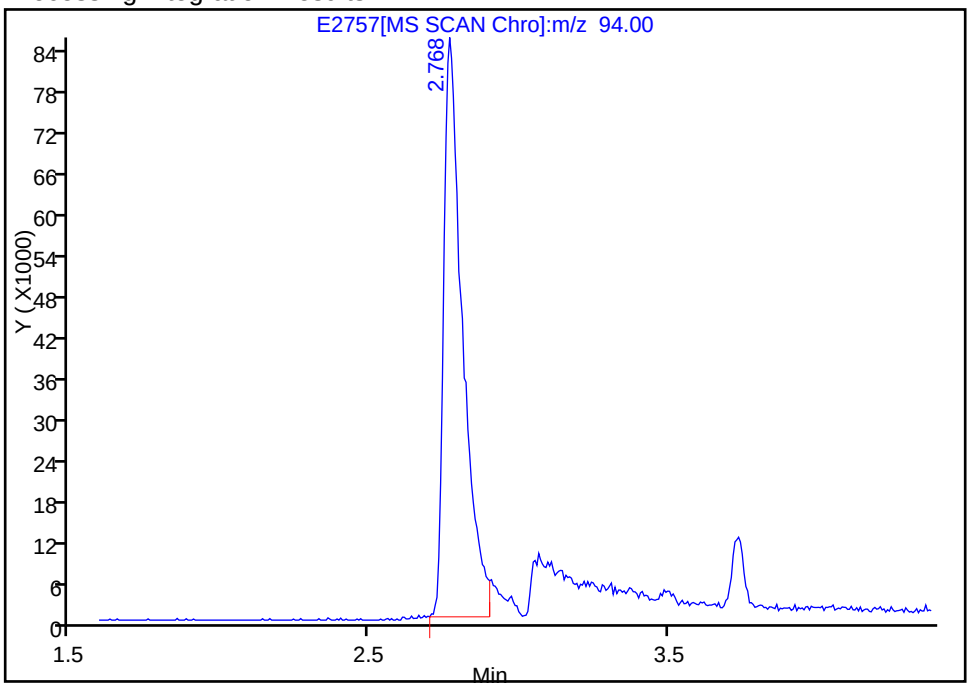
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.77

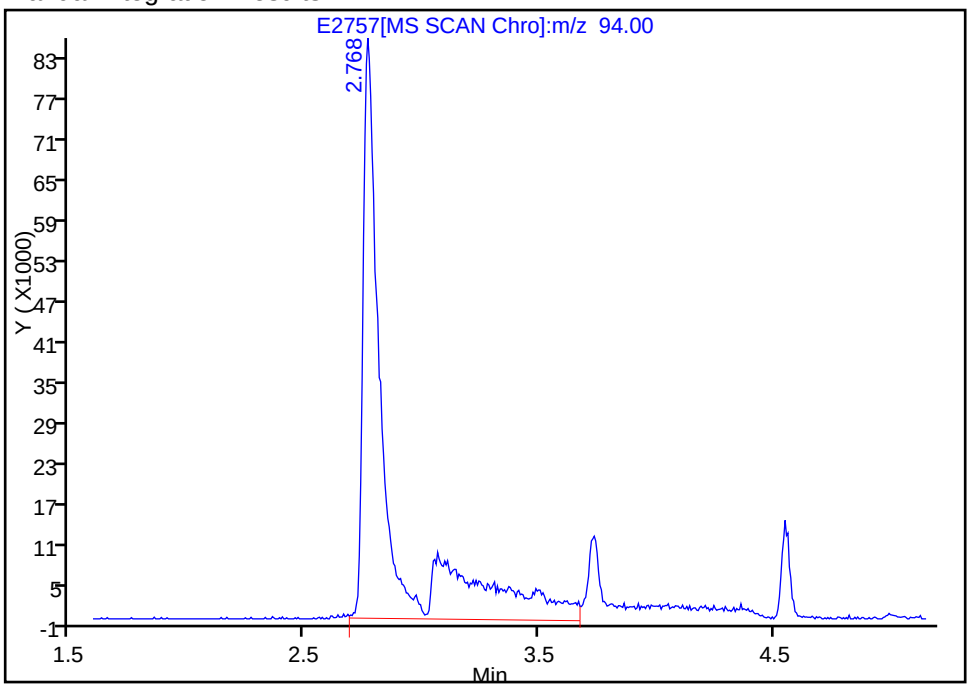
Processing Integration Results

RT: 2.77
Response: 374023
Amount: 115.1990



Manual Integration Results

RT: 2.77
Response: 582009
Amount: 202.9347



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

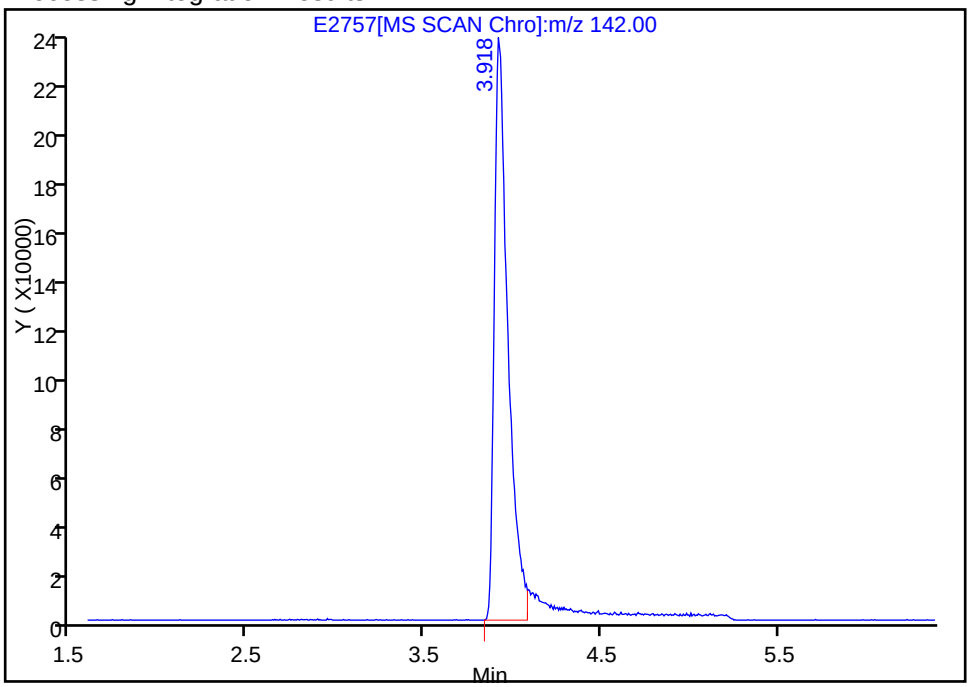
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

19 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 3.92

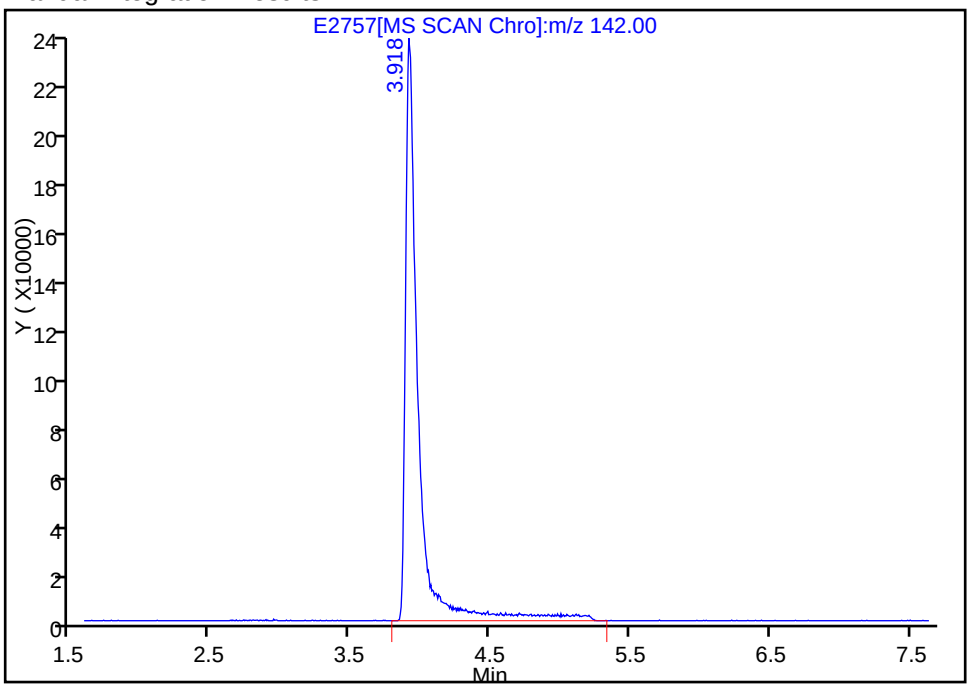
Processing Integration Results

RT: 3.92
Response: 1238759
Amount: 180.9008



Manual Integration Results

RT: 3.92
Response: 1463854
Amount: 205.7365



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

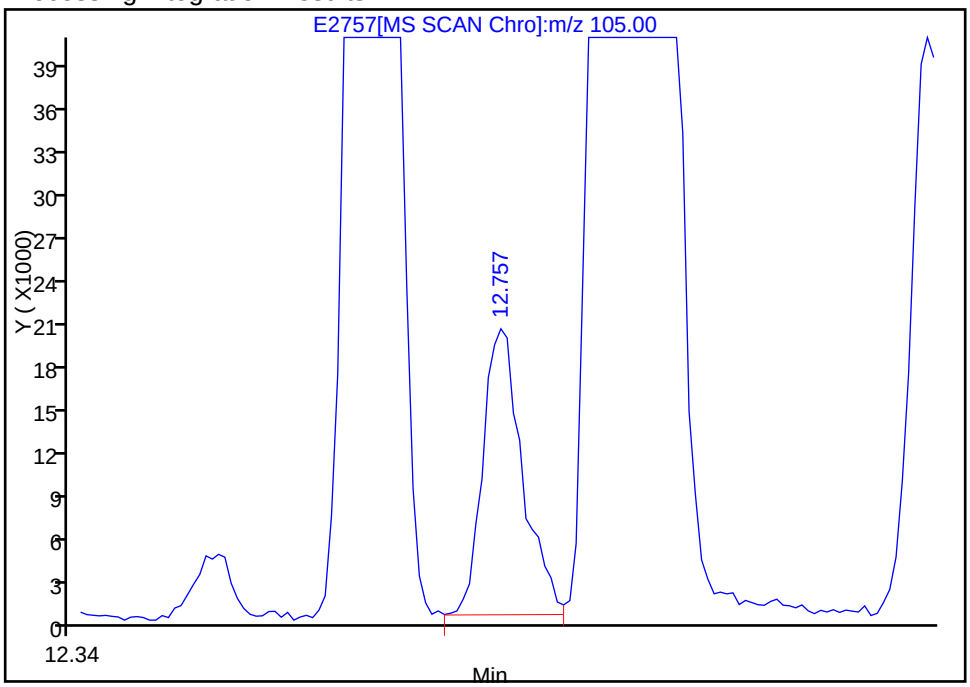
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

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

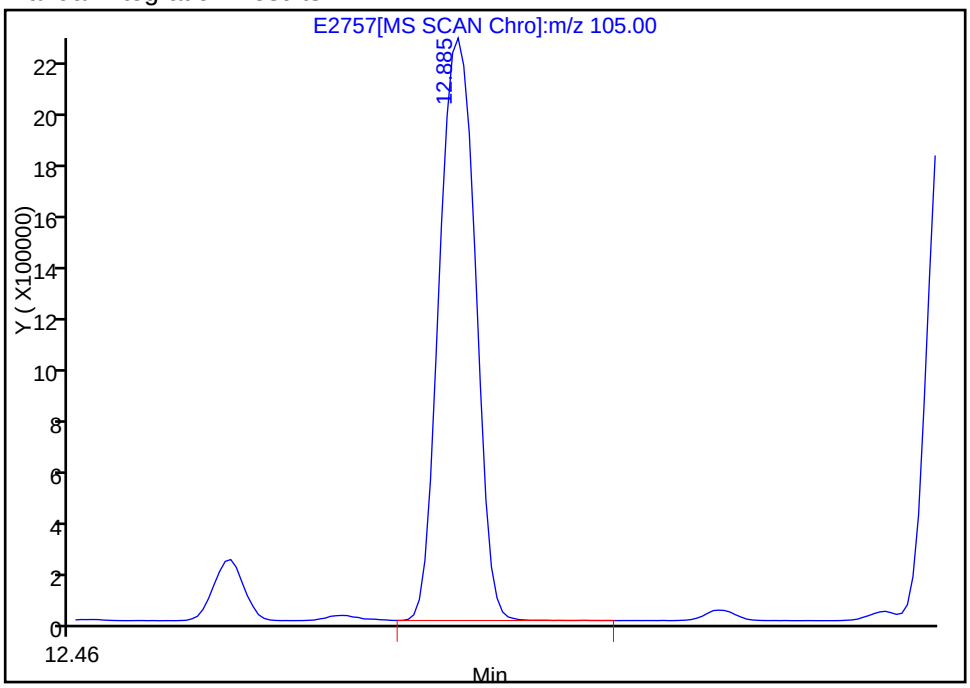
Processing Integration Results

RT: 12.76
Response: 52760
Amount: 1.403012



Manual Integration Results

RT: 12.88
Response: 6111528
Amount: 201.9421



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

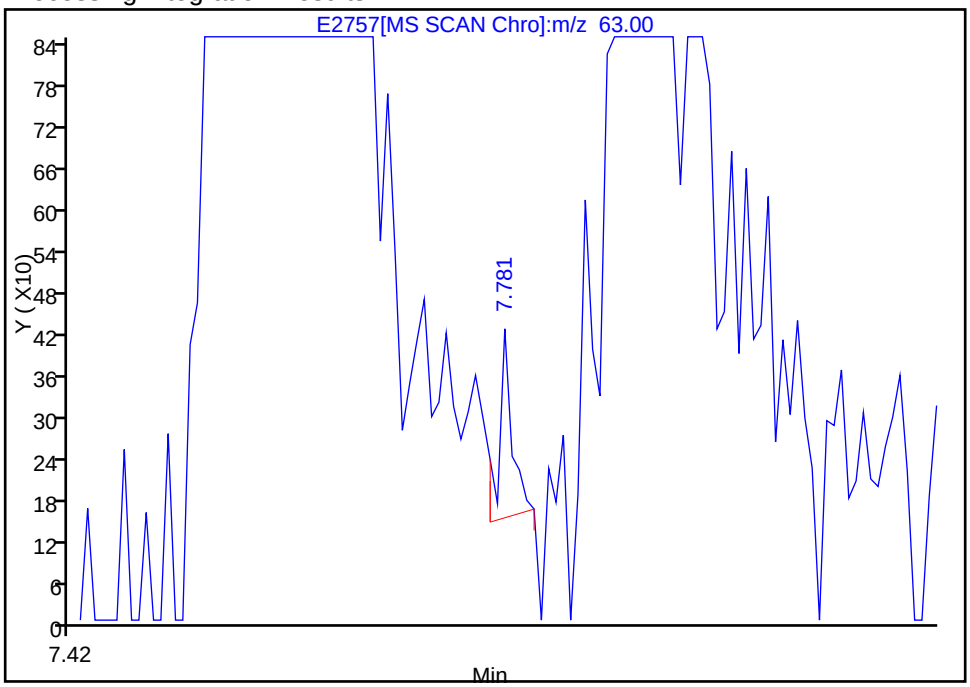
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

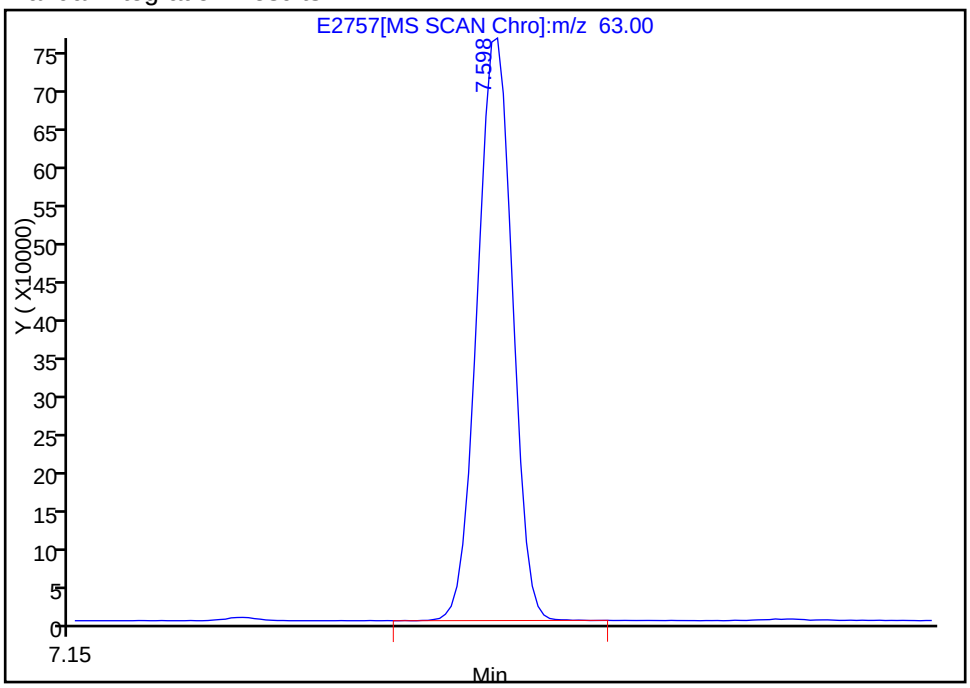
Processing Integration Results

RT: 7.78
Response: 203
Amount: 0.019555



Manual Integration Results

RT: 7.60
Response: 1966881
Amount: 166.8898



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 20-Aug-2011 09:35:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

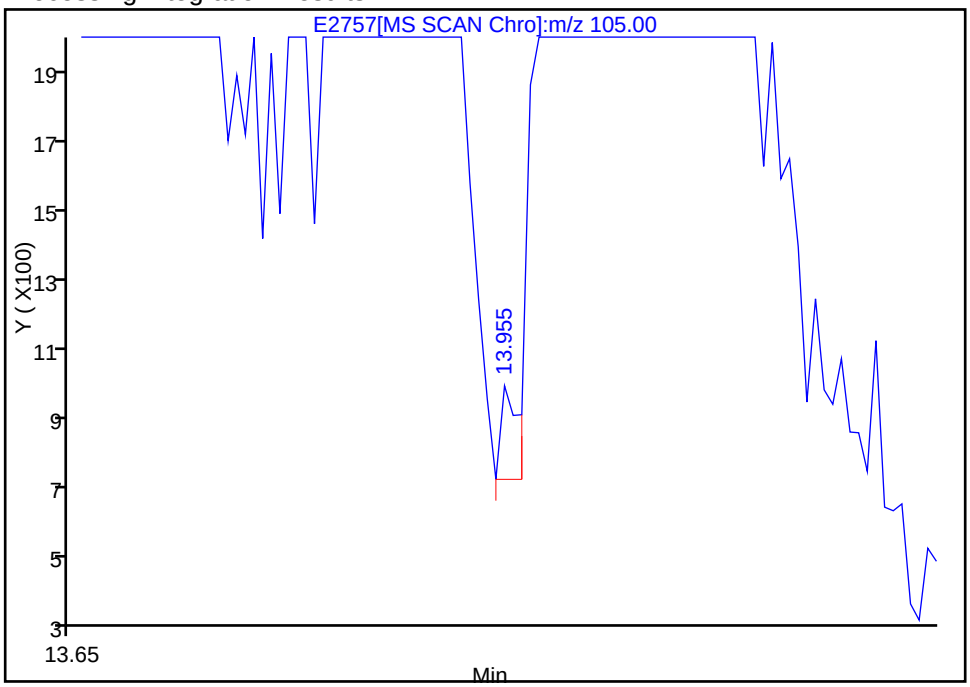
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Injection Date:	19-Aug-2011 07:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	8
Operator ID:	WH		

99 1,2,3-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 14.03

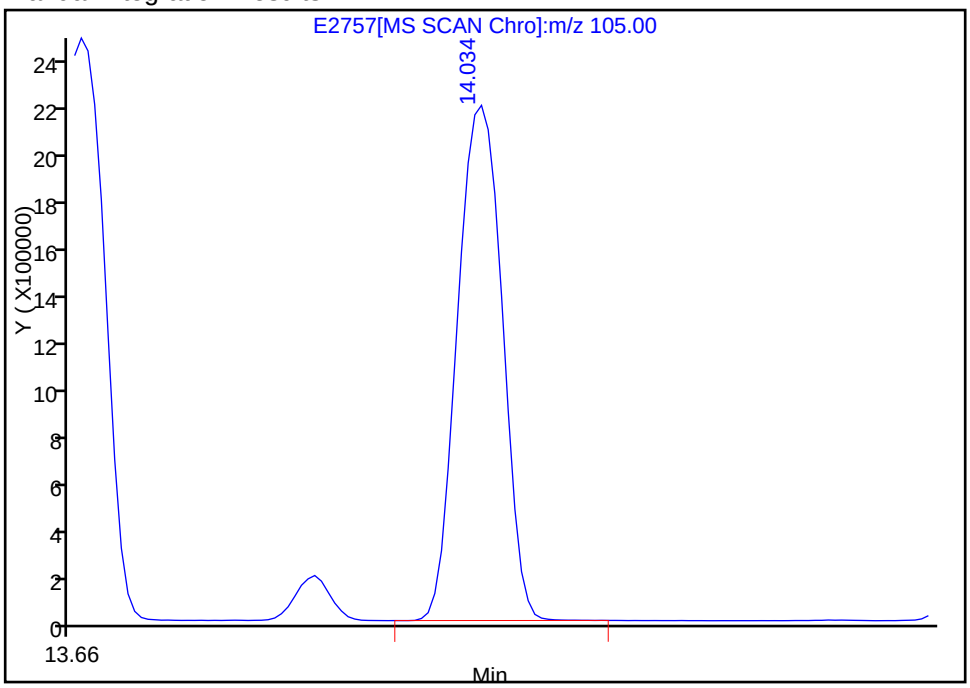
Processing Integration Results

RT: 13.96
Response: 224
Amount: 0.005926



Manual Integration Results

RT: 14.03
Response: 6223352
Amount: 135.6635



Reviewer: hobartw, 19-Aug-2011 09:28:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-85201/3	A1897.D
Level 2	STD005 510-85201/4	A1898.D
Level 3	STD010 510-85201/5	A1899.D
Level 4	STD020 510-85201/14	A1908.D
Level 5	STD001 510-85201/2	A1896.D
Level 6	STD050 510-85201/7	A1901.D
Level 7	STD100 510-85201/8	A1902.D
Level 8	STD150 510-85201/9	A1903.D
Level 9	STD200 510-85201/10	A1904.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3974 0.3301	0.3414 0.3185	0.2974 0.3052	0.3556 0.2834		Ave		0.3286				11.0		15.0			
Chloromethane	0.2674 0.2573	0.2922 0.2504	0.2389 0.2512	0.2734 0.2490		Ave		0.2600			0.1000	6.5		15.0			
Vinyl chloride	0.2709 0.2530	0.2770 0.2396	0.2315 0.2335	0.2632 0.2230		Ave		0.2489				8.0		15.0			
Bromomethane	0.0431 0.1007	0.0807 0.1215	0.0553 0.1346	0.0980 0.1298		Lin	-0.687	0.1338							0.9970		0.9900
Chloroethane	0.2891 0.2009	0.2466 0.1874	0.1844 0.1833	0.2043 0.1749		Lin2	0.2174	0.1846							0.9940		0.9900
Trichlorofluoromethane	0.4721 0.3953	0.4333 0.3744	0.3527 0.3614	0.4209 0.3395		Ave		0.3937				12.0		15.0			
1,2-Dichlorotrifluoroethane	0.4392 0.3307	0.3715 0.3052	0.3065 0.2992	0.3527 0.2859		Ave		0.3364				15.0		15.0			
Acrolein	0.0439 0.0258	0.0405 0.0268	0.0340 0.0246	0.0248 0.0254		Lin	0.0573	0.0250							0.9990		0.9900
1,1-Dichlorethylene	0.4679 0.3630	0.3783 0.3343	0.3866 0.3164	0.3828 0.2939		Ave		0.3654				15.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1983 0.1636	0.1808 0.1592	0.1428 0.1547	0.1830 0.1454		Ave		0.1660				12.0		15.0			
Acetone	0.1347 0.0587	0.1076 0.0711	0.0992 0.0776	0.0954 0.0524		Qua	0.3879	0.0488	0.0002						0.9960		0.9950
Iodomethane	0.0231 0.2094	0.0506 0.2073	0.0905 0.2149	0.0913 0.2249		Lin	-1.360	0.2278							0.9980		0.9900
Carbon disulfide	1.0527 0.8101	0.8946 0.7470	0.8546 0.6977	0.8667 0.6399		Lin2	0.6582	0.7471							0.9910		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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 9	LVL 5		B	M1	M2								
Acetonitrile	0.0127	0.0105	0.0081 0.0099	0.0084 0.0114		Ave		0.0102				17.0	*	15.0			
Methyl acetate	0.2331 0.1887	0.2304 0.1786	0.2048 0.1758	0.1923 0.1651		Ave		0.1961				13.0		15.0			
Methylene Chloride	0.4058 0.2855	0.3223 0.2710	0.3085 0.2569	0.3160 0.2490		Lin2	0.2759	0.2711							0.9950		0.9900
t-Butyl alcohol	0.0174 0.0141	0.0167 0.0134	0.0163 0.0137	0.0135 0.0132		Ave		0.0148				12.0		15.0			
Acrylonitrile	0.1070 0.0693	0.0758 0.0607	0.0741 0.0608	0.0742 0.0638		Lin2	0.0845	0.0638							0.9950		0.9900
trans-1,2-Dichloroethylene	0.4716 0.3646	0.4121 0.3435	0.3960 0.3217	0.3976 0.2986		Ave		0.3757				15.0		15.0			
Methyl tert-butyl ether	0.7065 0.6853	0.8095 0.6255	0.7709 0.5858	0.7503 0.5387		Ave		0.6841				14.0		15.0			
n-Hexane	0.1659 0.1218	0.1349 0.1190	0.1275 0.1163	0.1412 0.1091		Ave		0.1295				14.0		15.0			
1,1-Dichloroethane	0.5733 0.4512	0.4980 0.4293	0.4784 0.4081	0.4803 0.3824		Ave		0.4626			0.1000	13.0		15.0			
Vinyl acetate	0.6313 0.5097	0.5784 0.4618	0.5288 0.4154	0.5089 0.4024		Ave		0.5046				15.0		15.0			
Isopropyl ether	1.0143 0.7695	0.8707 0.7005	0.8498 0.6471	0.8404 0.5972		Lin	3.9923	0.6048							0.9930		0.9900
Tert-butyl ethyl ether	0.8484 0.7316	0.8044 0.6790	0.7998 0.6318	0.7623 0.5833		Ave		0.7301				13.0		15.0			
cis-1,2-Dichloroethylene	0.4749 0.3971	0.4468 0.3745	0.4270 0.3556	0.4330 0.3344		Ave		0.4054				12.0		15.0			
2,2-Dichloropropane	0.2734 0.3769	0.4294 0.3517	0.4215 0.3278	0.3940 0.3035		Lin	1.6054	0.3088							0.9940		0.9900
Methyl ethyl ketone (MEK)	0.1462 0.0791	0.1195 0.0825	0.1128 0.0865	0.0985 0.0650		Lin	0.1289	0.0839							0.9980		0.9900
1,3-Butadiene	0.0171 0.0203	0.0109 0.0204	0.0331 0.0200	0.0193 0.0189		Lin	0.0416	0.0192							0.9970		0.9900
Propionitrile	0.0922 0.0702	0.0916 0.0618	0.0591 0.0665	0.0623 0.0631		Lin	0.0723	0.0636							0.9980		0.9900
Ethyl acetate	0.2601 0.1761	0.2159 0.1691	0.1942 0.1582	0.1877 0.1531		Lin2	0.1977	0.1673							0.9960		0.9900
Chlorobromomethane	0.2152 0.2020	0.2109 0.1885	0.2178 0.1774	0.2147 0.1694		Ave		0.1995				9.4		15.0			
Tetrahydrofuran	0.1271 0.1645	0.2566 0.1512	0.2129 0.1522	0.1745 0.1487		Lin	0.4937	0.1473							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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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 9	LVL 5		B	M1	M2								
Chloroform	0.7206 0.4869	0.5492 0.4547	0.5353 0.4297	0.5323 0.4023		Lin2	0.5461	0.4530							0.9930		0.9900
1,1,1-Trichloroethane	0.5032 0.4134	0.4516 0.3980	0.4342 0.3799	0.4396 0.3564		Ave		0.4220				11.0		15.0			
Cyclohexane	0.2988 0.2095	0.2435 0.2060	0.2172 0.1948	0.2201 0.1835		Lin2	0.2043	0.1989							0.9980		0.9900
1,1-Dichloropropene	0.4550 0.3342	0.3762 0.3172	0.3504 0.3032	0.3490 0.2834		Ave		0.3461				15.0		15.0			
Carbon tetrachloride	0.3660 0.3299	0.3504 0.3157	0.3492 0.3012	0.3502 0.2834		Ave		0.3308				8.6		15.0			
Benzene	1.4291 1.0607	1.2419 0.9671	1.1826 0.8810	1.1910 0.8020	1.5862	Lin	5.1495	0.8220							0.9900		0.9900
1,2-Dichloroethane	0.3722 0.3096	0.3280 0.2935	0.3296 0.2767	0.3281 0.2611		Ave		0.3124				11.0		15.0			
Isobutanol	0.1244 0.0801	0.0909 0.0740	0.0883 0.0689	0.0832 0.0678		Lin2	0.1031	0.0732							0.9950		0.9900
Tert-amyl methyl ether	0.9670 0.7267	0.8084 0.6658	0.7999 0.6303	0.7804 0.5830		Lin2	0.6285	0.6751							0.9910		0.9900
n-Butanol	0.0020 0.0032	0.0025 0.0033	0.0031 0.0034	0.0026 0.0033		Lin2	-0.178	0.0033							0.9930		0.9900
Trichloroethene	0.3880 0.3114	0.3252 0.3009	0.3184 0.2916	0.3372 0.2755		Ave		0.3185				11.0		15.0			
Methylcyclohexane	0.3040 0.2286	0.2538 0.2273	0.2380 0.2187	0.2616 0.2072		Ave		0.2424				13.0		15.0			
1,2-Dichloropropane	0.3157 0.2624	0.2778 0.2489	0.2847 0.2380	0.2783 0.2290		Ave		0.2669				11.0		15.0			
Dibromomethane	0.1739 0.1551	0.1616 0.1516	0.1606 0.1474	0.1641 0.1439		Ave		0.1573				6.2		15.0			
Bromodichloromethane	0.4491 0.3599	0.3779 0.3519	0.3678 0.3414	0.3709 0.3276		Ave		0.3683				9.9		15.0			
2-Chloroethyl vinyl ether	0.0133 0.0457	0.0495 0.0436	0.0406 0.0461	0.0440 0.0475		Lin	-0.163	0.0471							0.9990		0.9900
cis-1,3-Dichloropropene	0.4441 0.4382	0.4457 0.4223	0.4460 0.4036	0.4446 0.3850		Ave		0.4287				5.4		15.0			
4-Methyl-2-pentanone (MIBK)	0.2247 0.1622	0.1905 0.1583	0.1817 0.1569	0.1631 0.1483		Ave		0.1732				14.0		15.0			
Toluene	1.4475 1.0595	1.2261 0.9753	1.1868 0.8929	1.1880 0.8188		Lin	5.8573	0.8306							0.9920		0.9900
trans-1,3-Dichloropropene	0.3648 0.3682	0.3814 0.3546	0.3779 0.3416	0.3629 0.3287		Ave		0.3600				4.9		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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 9	LVL 5		B	M1	M2								
Ethyl methacrylate	0.4100 0.2983	0.3288 0.2934	0.3150 0.2864	0.3062 0.2736		Ave		0.3140				13.0		15.0			
1,1,2-Trichloroethane	0.2444 0.1929	0.1998 0.1839	0.2001 0.1799	0.2014 0.1728		Ave		0.1969				11.0		15.0			
Tetrachloroethylene	0.2725 0.2229	0.2393 0.2169	0.2360 0.2078	0.2415 0.1988	0.3143	Ave		0.2389				15.0		15.0			
1,3-Dichloropropane	0.4743 0.3760	0.4124 0.3566	0.3941 0.3414	0.4004 0.3258		Ave		0.3851				12.0		15.0			
Methyl Butyl Ketone (2-Hexanone)	0.1525 0.1136	0.1449 0.1149	0.1274 0.1238	0.1289 0.1011		Ave		0.1259				13.0		15.0			
Chlorodibromomethane	0.3189 0.2816	0.2726 0.2768	0.2763 0.2776	0.2686 0.2680		Ave		0.2801				5.8		15.0			
1,2-Dibromoethane	0.2924 0.2417	0.2488 0.2357	0.2557 0.2325	0.2541 0.2218		Ave		0.2478				8.6		15.0			
Chlorobenzene	2.2235 1.7443	1.9105 1.5850	1.8578 1.5204	1.8296 1.4081		Ave		1.7599			0.3000	15.0		15.0			
1,1,1,2-Tetrachloroethane	0.8082 0.6758	0.6778 0.6452	0.6822 0.6290	0.6764 0.5997		Ave		0.6743				9.1		15.0			
Ethylbenzene	3.2963 2.4575	2.7483 2.1958	2.7785 2.0091	2.6609 1.8273		Lin	14.257	1.8558							0.9900		0.9900
m-Xylene & p-Xylene	2.4698 1.8192	2.1807 1.5582	2.1161 1.4010	2.0343 1.2540		Qua	5.7179	1.8590	-0.002						1.0000		0.9950
o-Xylene	2.7079 2.0976	2.3579 1.9116	2.2827 1.7585	2.3028 1.6219		Lin	10.965	1.6435							0.9920		0.9900
Styrene	2.1752 1.7454	1.9329 1.6210	1.9049 1.5074	1.8302 1.4096		Ave		1.7658				14.0		15.0			
Bromoform	0.3845 0.3450	0.3190 0.3393	0.3472 0.3535	0.3209 0.3434		Ave		0.3441			0.1000	5.9		15.0			
Isopropylbenzene	3.0923 2.6106	2.8863 2.4333	2.7810 2.3024	2.7807 2.1709		Ave		2.6322				12.0		15.0			
1,1,2,2-Tetrachloroethane	0.9147 0.7661	0.7761 0.7268	0.7991 0.7153	0.7062 0.6993		Ave		0.7629			0.3000	9.3		15.0			
Bromobenzene	1.6877 1.3102	1.4101 1.2297	1.3803 1.2021	1.3440 1.1655		Ave		1.3412				12.0		15.0			
1,2,3-Trichloropropane	0.8117 0.8765	0.9203 0.8558	0.9201 0.8493	0.8687 0.8237		Ave		0.8658				4.6		15.0			
trans-1,4-Dichloro-2-butene	0.1966 0.1771	0.1820 0.1679	0.1876 0.1731	0.1666 0.1713		Ave		0.1778				5.8		15.0			
n-Propylbenzene	3.8295 3.0192	3.3412 2.7736	3.2372 2.6014	3.3628 2.4398		Ave		3.0756				15.0		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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 9	LVL 5		B	M1	M2								
2-Chlorotoluene	2.6029 2.0178	2.2423 1.8264	2.0619 1.8163	2.1100 1.6855		Ave		2.0454				14.0		15.0			
1,3,5-Trimethylbenzene	2.8448 2.1773	2.3141 2.0556	2.3211 1.9523	2.4355 1.8652		Ave		2.2457				14.0		15.0			
4-Chlorotoluene	3.0589 2.2474	2.5099 2.0845	2.3973 1.9810	2.4349 1.8695		Lin2	2.0129	2.0986							0.9940		0.9900
tert-Butylbenzene	2.4869 1.9916	2.0771 1.8678	2.0538 1.8169	2.2748 1.7267		Ave		2.0369				12.0		15.0			
1,2,4-Trimethylbenzene	2.9490 2.2847	2.5173 2.1285	2.4669 2.0334	2.5337 1.9376		Ave		2.3564				14.0		15.0			
sec-Butylbenzene	3.2525 2.5450	2.7610 2.3797	2.6993 2.2903	3.0265 2.1627		Ave		2.6396				14.0		15.0			
1,3-Dichlorobenzene	1.7064 1.3970	1.5262 1.3584	1.5301 1.3169	1.5546 1.2826		Ave		1.4590				9.9		15.0			
4-Isopropyltoluene	2.6629 2.1699	2.3553 2.0712	2.3607 1.9867	2.6170 1.8995		Ave		2.2654				12.0		15.0			
1,4-Dichlorobenzene	1.7401 1.3817	1.4119 1.3191	1.4585 1.2891	1.4767 1.2535		Ave		1.4163				11.0		15.0			
1,2,3-Trimethylbenzene	3.0594 2.3833	2.6181 2.2138	2.5693 2.1160	2.6071 2.0359		Ave		2.4504				14.0		15.0			
1,2-Dichlorobenzene	1.5172 1.3135	1.3859 1.2530	1.3864 1.2282	1.4228 1.1958		Ave		1.3378				8.2		15.0			
n-Butylbenzene	2.3501 1.8208	1.9439 1.7488	1.9561 1.6947	2.3013 1.6154		Ave		1.9289				14.0		15.0			
1,2-Dibromo-3-Chloropropane	0.1316 0.1125	0.1063 0.1125	0.1130 0.1196	0.0992 0.1170		Ave		0.1139				8.3		15.0			
1,2,4-Trichlorobenzene	0.6658 0.5790	0.5761 0.5749	0.6018 0.5900	0.7539 0.5943		Ave		0.6170				10.0		15.0			
Hexachlorobutadiene	0.3380 0.2952	0.3121 0.2927	0.3103 0.3022	0.4273 0.2957		Ave		0.3217				14.0		15.0			
Naphthalene	1.8076 1.1372	1.2693 1.1204	1.2722 1.1481	1.2240 1.1203		Lin2	1.3140	1.1159							0.9980		0.9900
1,2,3-Trichlorobenzene	0.5055 0.3430	0.3600 0.3506	0.3698 0.3680	0.4468 0.3764		Ave		0.3900				14.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2435 0.2466	0.2511 0.2422	0.2422 0.2407	0.2459 0.2393	0.2460	Ave		0.2442				1.5		15.0			
Toluene-d8 (Surr)	0.9489 0.9608	0.9446 0.9611	0.9436 0.9621	0.9651 0.9749	0.9452	Ave		0.9562				1.2		15.0			
4-Bromofluorobenzene (Surr)	1.1154 1.1581	1.1183 1.1543	1.1322 1.1751	1.1159 1.2119	1.1184	Ave		1.1444				2.9		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 RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-85201/3	A1897.D
Level 2	STD005 510-85201/4	A1898.D
Level 3	STD010 510-85201/5	A1899.D
Level 4	STD020 510-85201/14	A1908.D
Level 5	STD001 510-85201/2	A1896.D
Level 6	STD050 510-85201/7	A1901.D
Level 7	STD100 510-85201/8	A1902.D
Level 8	STD150 510-85201/9	A1903.D
Level 9	STD200 510-85201/10	A1904.D

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
Dichlorodifluoromethane	FB	Ave	11470 223421	23593 425652	41654 611043	98753 754699		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloromethane	FB	Ave	7718 174147	20194 334659	33467 503006	75923 663217		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl chloride	FB	Ave	7819 171243	19142 320148	32426 467503	73070 593731		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromomethane	FB	Lin	1243 68135	5575 162301	7740 269569	27205 345614		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroethane	FB	Lin2	8344 135940	17045 250369	25830 366924	56716 465758		2.00 50.0	5.00 100	10.0 150	20.0 200	
Trichlorofluoromethane	FB	Ave	13627 267548	29945 500359	49405 723652	116861 904072		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorotrifluoroethane	FB	Ave	12678 223837	25677 407787	42927 599156	97935 761313		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acrolein	FB	Lin	1272 17563	2812 35954	4786 49467	6925 68045		2.01 50.2	5.02 100	10.0 151	20.1 201	
1,1-Dichlorethylene	FB	Ave	13506 245651	26148 446773	54151 633502	106289 782565		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	5724 110690	12494 212680	20007 309692	50809 387232		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetone	FB	Qua	3887 39701	7436 94992	13901 155392	26493 139548		2.00 50.0	5.00 100	10.0 150	20.0 200	
Iodomethane	FB	Lin	668 141738	3494 276966	12675 430376	25353 598865		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon disulfide	FB	Lin2	30384 548232	61833 998185	119695 1397058	240658 1704188		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetonitrile	FB	Ave	 8578	 14046	1141 19871	2335 30230		 50.0	 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.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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	6727 127689	15924 238682	28681 352054	53404 439667		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylene Chloride	FB	Lin2	11712 193214	22273 362096	43214 514464	87757 663154		2.00 50.0	5.00 100	10.0 150	20.0 200	
t-Butyl alcohol	FB	Ave	2008 38089	4608 71555	9126 109672	15042 140340		8.00 200	20.0 400	40.0 600	80.0 800	
Acrylonitrile	FB	Lin2	3088 46902	5240 81150	10373 121712	20597 169904		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,2-Dichloroethylene	FB	Ave	13612 246772	28484 459070	55469 644145	110409 795073		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl tert-butyl ether	FB	Ave	20392 463801	55949 835854	107970 1172871	208342 1434693		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Hexane	FB	Ave	4787 82452	9322 159059	17862 232949	39211 290549		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloroethane	FB	Ave	16546 305373	34418 573689	67013 817166	133357 1018443		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl acetate	FB	Ave	36444 689896	79951 1234185	148127 1663527	282611 2143417		4.00 100	10.0 200	20.0 300	40.0 400	
Isopropyl ether	FB	Lin	29277 520761	60177 936084	119022 1295687	233368 1590472		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-butyl ethyl ether	FB	Ave	24487 495147	55598 907411	112023 1264989	211677 1553379		2.00 50.0	5.00 100	10.0 150	20.0 200	
cis-1,2-Dichloroethylene	FB	Ave	13708 268778	30878 500491	59805 712023	120227 890507		2.00 50.0	5.00 100	10.0 150	20.0 200	
2,2-Dichloropropane	FB	Lin	7892 255102	29676 469975	59033 656342	109403 808203		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl ethyl ketone (MEK)	FB	Lin	4219 53544	8260 110252	15804 173275	27360 173060		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Butadiene	FB	Lin	494 13705	753 27241	4630 40027	5351 50244		2.00 50.0	5.00 100	10.0 150	20.0 200	
Propionitrile	DCB	Lin	840 14776	2026 25758	2596 41198	5545 51086		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl acetate	FB	Lin2	7507 119189	14925 226025	27204 316815	52106 407648		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobromomethane	FB	Ave	6210 136690	14577 251903	30512 355121	59617 451147		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrahydrofuran	DCB	Lin	1158 34594	5674 63055	9349 94341	15539 120380		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroform	FB	Lin2	20799 329552	37956 607683	74976 860308	147806 1071279		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1-Trichloroethane	FB	Ave	14524 279750	31215 531913	60809 760627	122068 949041		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.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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	Lin2	8623 141770	16826 275312	30422 390073	61118 488758		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloropropene	FB	Ave	13133 226172	26004 423924	49074 606981	96920 754579		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon tetrachloride	FB	Ave	10563 223252	24218 421894	48913 603098	97254 754683		2.00 50.0	5.00 100	10.0 150	20.0 200	
Benzene	FB	Lin	41247 717834	85833 1292375	165633 1764063	330718 2135654	22761	2.00 50.0	5.00 100	10.0 150	20.0 200	1.00
1,2-Dichloroethane	FB	Ave	10743 209547	22672 392198	46172 553952	91115 695442		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isobutanol	FB	Lin2	3591 54190	6281 98843	12366 138005	23090 180547		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-amyl methyl ether	FB	Lin2	27909 491794	55870 889699	112042 1262103	216702 1552655		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butanol	FB	Lin2	3668 46034	8765 58849	22242 75602	28118 117808		127 1050	255 1350	510 1650	770 2700	
Trichloroethene	FB	Ave	11198 210712	22478 402064	44591 583938	93636 733727		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylcyclohexane	FB	Ave	8773 154678	17544 303803	33329 437913	72640 551818		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloropropane	FB	Ave	9111 177561	19203 332600	39878 476543	77288 609954		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dibromomethane	FB	Ave	5018 104968	11170 202587	22498 295086	45557 383195		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromodichloromethane	FB	Ave	12962 243586	26120 470292	51515 683637	103002 872478		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chloroethyl vinyl ether	FB	Lin	765 61913	6844 116476	11378 184555	24413 253125		4.00 100	10.0 200	20.0 300	40.0 400	
cis-1,3-Dichloropropene	FB	Ave	12818 296551	30803 564305	62469 808113	123440 1025222		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Methyl-2-pentanone (MIBK)	FB	Ave	6485 109801	13164 211538	25443 314249	45290 395045		2.00 50.0	5.00 100	10.0 150	20.0 200	
Toluene	FB	Lin	41780 717019	84744 1303395	166227 1787813	329883 2180567		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,3-Dichloropropene	FB	Ave	10529 249157	26358 473924	52925 683932	100770 875304		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl methacrylate	FB	Ave	11833 201864	22726 392057	44120 573360	85033 728622		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloroethane	FB	Ave	7053 130550	13810 245692	28022 360178	55933 460123		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrachloroethylene	FB	Ave	7865 150854	16538 289905	33060 416079	67046 529454	4510	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.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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	13691 254461	28500 476539	55205 683616	111175 867735		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl Butyl Ketone (2-Hexanone)	FB	Ave	4402 76895	10012 153612	17843 247911	35802 269301		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorodibromomethane	FB	Ave	9203 190588	18843 369923	38699 555838	74573 713817		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromoethane	FB	Ave	8440 163552	17194 315035	35811 465582	70554 590741		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobenzene	CBZ	Ave	25419 476575	53261 870782	102685 1254833	207200 1557194		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1,2-Tetrachloroethane	CBZ	Ave	9239 184638	18895 354429	37707 519162	76599 663250		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylbenzene	CBZ	Lin	37684 671438	76619 1206338	153578 1658117	301338 2020772		2.00 50.0	5.00 100	10.0 150	20.0 200	
m-Xylene & p-Xylene	CBZ	Qua	56469 994097	121586 1712077	233930 2312501	460772 2773482		4.00 100	10.0 200	20.0 300	40.0 400	
o-Xylene	CBZ	Lin	30957 573124	65735 1050204	126175 1451326	260785 1793601		2.00 50.0	5.00 100	10.0 150	20.0 200	
Styrene	CBZ	Ave	24867 476893	53886 890515	105291 1244037	207271 1558800		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromoform	CBZ	Ave	4396 94275	8892 186423	19189 291717	36345 379721		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isopropylbenzene	DCB	Ave	28171 549096	63820 1015006	122093 1427024	247589 1757792		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2,2-Tetrachloroethane	DCB	Ave	8333 161148	17160 303166	35082 443322	62877 566246		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromobenzene	DCB	Ave	15375 275573	31180 512959	60600 745066	119666 943753		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichloropropane	DCB	Ave	7395 184355	20349 356970	40395 526415	77352 666945		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,4-Dichloro-2-butene	DCB	Ave	1791 37259	4025 70027	8236 107280	14838 138740		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Propylbenzene	DCB	Ave	34887 635044	73877 1156938	142123 1612368	299420 1975514		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chlorotoluene	DCB	Ave	23712 424408	49580 761838	90523 1125753	187876 1364769		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3,5-Trimethylbenzene	DCB	Ave	25916 457973	51168 857445	101901 1210036	216856 1510262		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Chlorotoluene	DCB	Lin2	27867 472714	55498 869491	105249 1227841	216798 1513799		2.00 50.0	5.00 100	10.0 150	20.0 200	
tert-Butylbenzene	DCB	Ave	22656 418900	45928 779106	90168 1126105	202543 1398104		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.: 510-69047-1 Analy Batch No.: 85201

SDG No.:

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

Calibration Start Date: 08/17/2011 10:41 Calibration End Date: 08/17/2011 17:07 Calibration ID: 4208

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
1,2,4-Trimethylbenzene	DCB	Ave	26865 480550	55661 887863	108302 1260319	225595 1568908		2.00 50.0	5.00 100	10.0 150	20.0 200	
sec-Butylbenzene	DCB	Ave	29630 535301	61050 992621	118506 1419516	269478 1751151		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Dichlorobenzene	DCB	Ave	15545 293830	33746 566635	67175 816218	138418 1038567		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Isopropyltoluene	DCB	Ave	24259 456409	52079 863942	103640 1231351	233012 1538064		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,4-Dichlorobenzene	DCB	Ave	15852 290628	31218 550218	64034 798990	131481 1014983		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trimethylbenzene	DCB	Ave	27871 501284	57889 923438	112800 1311530	232135 1648521		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorobenzene	DCB	Ave	13822 276279	30643 522657	60867 761222	126688 968233		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butylbenzene	DCB	Ave	21409 382976	42982 729464	85878 1050396	204902 1307985		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromo-3-Chloropropane	DCB	Ave	1199 23659	2350 46923	4959 74100	8837 94710		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,4-Trichlorobenzene	DCB	Ave	6065 121793	12738 239789	26422 365715	67130 481204		2.00 50.0	5.00 100	10.0 150	20.0 200	
Hexachlorobutadiene	DCB	Ave	3079 62091	6902 122108	13625 187291	38044 239455		2.00 50.0	5.00 100	10.0 150	20.0 200	
Naphthalene	DCB	Lin2	16467 239184	28066 467352	55854 711630	108981 907162		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichlorobenzene	DCB	Ave	4605 72152	7961 146227	16236 228079	39785 304804		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloroethane-d4 (Surr)	FB	Ave	175714 166906	173529 161825	169649 160674	170718 159286	176463	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
Toluene-d8 (Surr)	FB	Ave	684668 650216	652837 642179	660820 642120	669960 649032	678133	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	254035 243590	247279 240746	248535 242768	248395 245327	250473	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

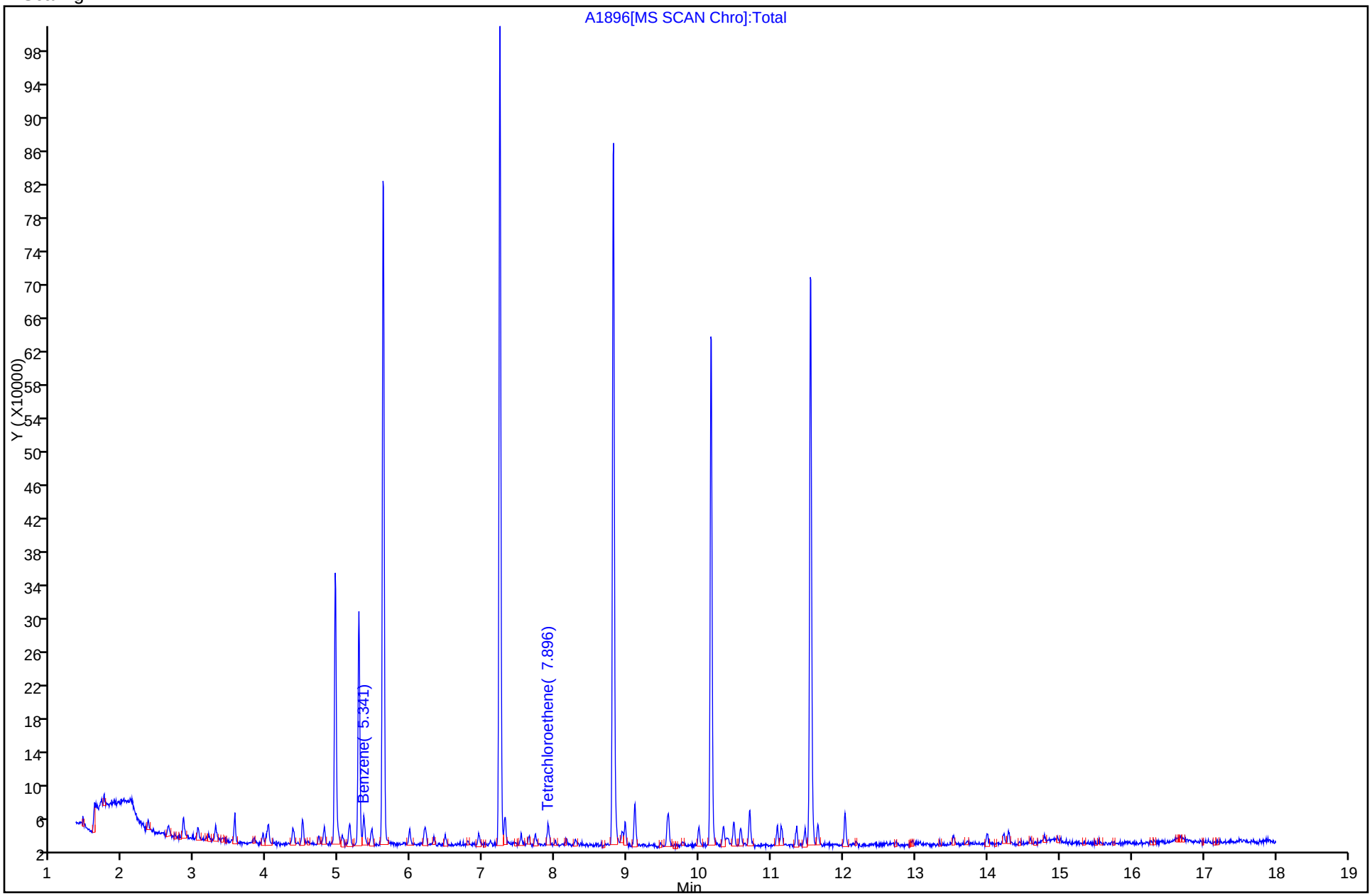
Report Date: 17-Aug-2011 11:03:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1896.D		
Lims ID:	STD001	Client ID:	
Inject. Date:	17-Aug-2011 10:41:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD001		
Misc. Info.:	510-0005393-002 =510-0005393-002		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	85201	Lims Sample ID:	2
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m		
Last Update:	17-Aug-2011 11:03:40	Calib Date:	17-Aug-2011 10:41:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1896.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	17-Aug-2011 11:03:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.615	5.599	0.016	99	717459	50.0	
* 2 Chlorobenzene-d5	82	8.802	8.805	-0.003	82	281558	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.548	-0.002	94	223953	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.258	0.016	0	176463	50.0	
$ 7 Toluene-d8 (Surr)	98	7.233	7.138	0.095	92	678133	50.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.159	10.161	-0.002	87	250473	50.0	
47 Benzene	78	5.341	5.339	0.002	74	22761	1.00	
63 Tetrachloroethene	166	7.896	7.899	-0.003	74	4510	1.00	

Report Date: 17-Aug-2011 11:03:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1896.D
Injection Date: 17-Aug-2011 10:41:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 2
Operator ID: JLH
Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Lims ID:	STD002	Client ID:	
Inject. Date:	17-Aug-2011 11:14:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD002		
Misc. Info.:	510-0005393-003 =510-0005393-003		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	85201	Lims Sample ID:	3
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m		
Last Update:	17-Aug-2011 11:46:30	Calib Date:	17-Aug-2011 11:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	17-Aug-2011 11:46:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.611	5.599	0.012	98	721572	50.0	
* 2 Chlorobenzene-d5	82	8.805	8.805	0.0	81	285802	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.542	11.548	-0.006	90	227750	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.276	5.258	0.018	0	175714	49.8	
$ 7 Toluene-d8 (Surr)	98	7.229	7.138	0.091	92	684668	50.1	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.161	0.0	87	254035	49.9	
12 Dichlorodifluoromethane	85	1.444	1.447	-0.003	95	11470	2.00	
13 Chloromethane	50	1.608	1.605	0.003	86	7718	2.00	
14 Vinyl chloride	62	1.705	1.702	0.003	84	7819	2.00	
15 Bromomethane	94	2.003	2.006	-0.003	1	1243	2.00	
16 Chloroethane	64	2.107	2.104	0.003	65	8344	2.00	
17 Trichlorofluoromethane	101	2.350	2.353	-0.003	75	13627	2.00	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.636	2.633	0.003	78	12678	2.00	
19 Acrolein	56	2.733	2.736	-0.003	13	1272	2.01	
20 1,1-Dichloroethene	61	2.837	2.833	0.004	86	13506	2.00	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.849	2.846	0.003	73	5724	2.00	
22 Acetone	43	2.879	2.876	0.003	86	3887	2.00	
23 Iodomethane	142	2.983	2.979	0.004	13	668	2.00	
24 Carbon disulfide	76	3.044	3.040	0.004	97	30384	2.00	
25 Methyl acetate	43	3.196	3.186	0.010	90	6727	2.00	
26 Methylene Chloride	84	3.287	3.290	-0.003	74	11712	2.00	
27 2-Methyl-2-propanol	59	3.390	3.381	0.009	76	2008	8.00	
28 Acrylonitrile	53	3.506	3.515	-0.009	88	3088	2.00	
30 Methyl tert-butyl ether	73	3.555	3.551	0.004	88	20392	2.00	
29 trans-1,2-Dichloroethene	61	3.549	3.551	-0.002	87	13612	2.00	
31 Hexane	57	3.816	3.819	-0.003	75	4787	2.00	
32 1,1-Dichloroethane	63	3.944	3.940	0.004	79	16546	2.00	
33 Vinyl acetate	43	3.993	3.989	0.004	99	36444	4.00	
34 Isopropyl ether	45	4.017	4.017	0.0	1	29277	2.00	M
35 Tert-butyl ethyl ether	59	4.364	4.360	0.004	95	24487	2.00	

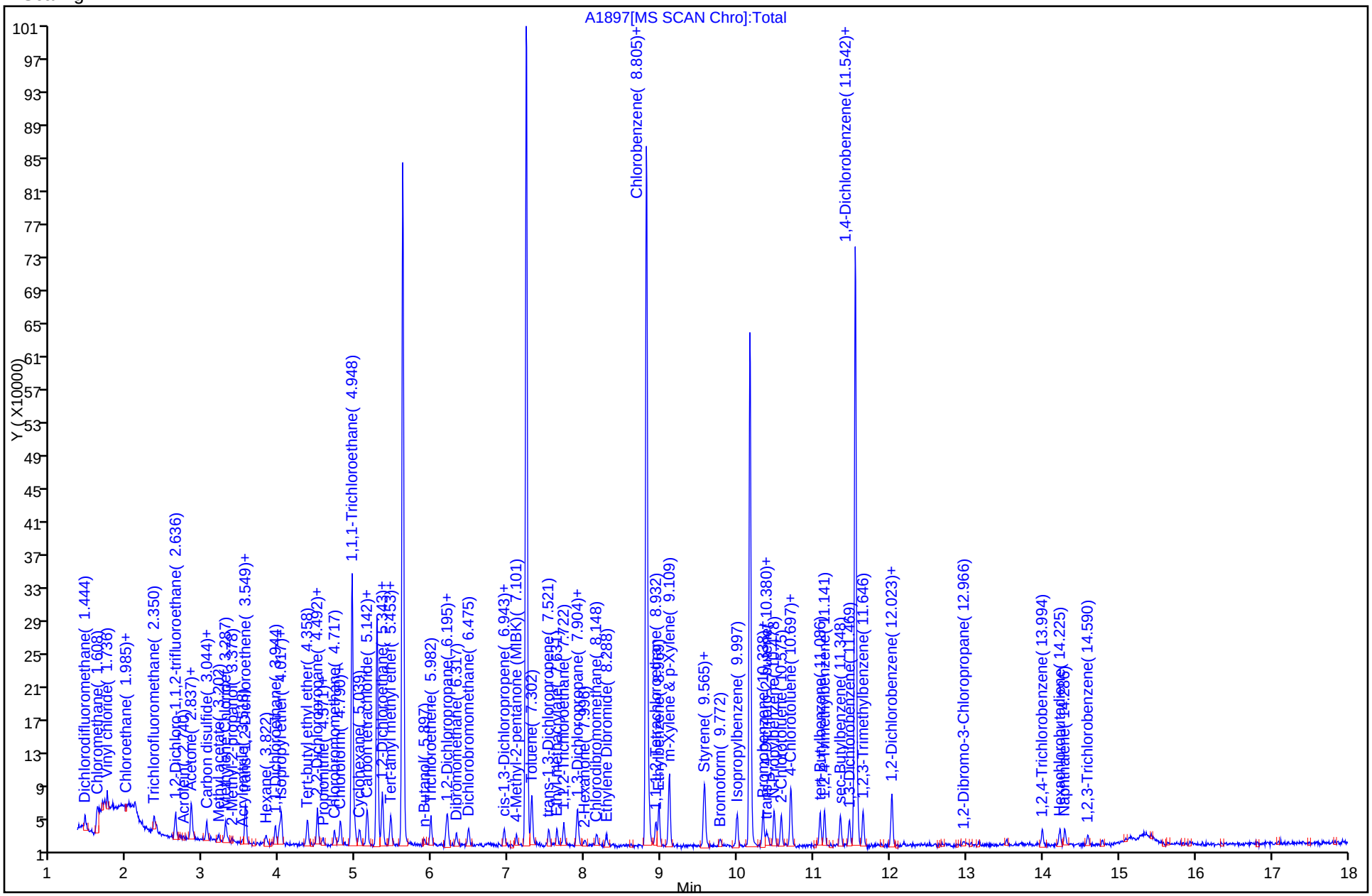
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
36 cis-1,2-Dichloroethene	61	4.492	4.488	0.004	85	13708	2.00	
37 2,2-Dichloropropane	77	4.492	4.500	-0.008	44	7892	2.00	
38 2-Butanone (MEK)	43	4.504	4.500	0.004	66	4219	2.00	
103 Butadiene	54	4.546	4.546	0.0	0	494	2.00	M
39 Propionitrile	54	4.546	4.546	0.0	1	840	2.00	M
101 Ethyl acetate	43	4.571	4.561	0.010	0	7507	2.00	
40 Chlorobromomethane	130	4.717	4.719	-0.002	72	6210	2.00	
41 Tetrahydrofuran	42	4.765	4.761	0.004	63	1158	2.00	
42 Chloroform	83	4.796	4.798	-0.002	72	20799	2.00	
43 1,1,1-Trichloroethane	97	4.984	4.980	0.004	77	14524	2.00	
44 Cyclohexane	56	5.051	5.041	0.010	76	8623	2.00	
46 1,1-Dichloropropene	75	5.142	5.138	0.004	88	13133	2.00	
45 Carbon tetrachloride	117	5.142	5.144	-0.002	65	10563	2.00	
47 Benzene	78	5.343	5.339	0.004	68	41247	1.90	
48 1,2-Dichloroethane	62	5.349	5.345	0.004	47	10743	2.00	
50 Isobutyl alcohol	41	5.453	5.448	0.005	36	3591	2.00	
49 Tert-amyl methyl ether	73	5.453	5.455	-0.002	93	27909	2.00	
102 n-Butanol	56	5.891	5.891	0.0	0	3668	127.0	
51 Trichloroethene	132	5.982	5.978	0.004	86	11198	2.00	
52 Methylcyclohexane	83	6.183	6.184	-0.001	83	8773	2.00	
53 1,2-Dichloropropane	63	6.201	6.196	0.005	76	9111	2.00	
54 Dibromomethane	93	6.311	6.312	-0.001	76	5018	2.00	
55 Dichlorobromomethane	83	6.475	6.470	0.005	81	12962	2.00	
56 2-Chloroethyl vinyl ether	63	6.791	6.792	-0.001	2	765	4.00	
60 cis-1,3-Dichloropropene	75	6.937	6.938	-0.001	76	12818	2.00	
58 4-Methyl-2-pentanone (MIBK)	43	7.101	7.103	-0.002	81	6485	2.00	
59 Toluene	91	7.302	7.303	-0.001	51	41780	2.00	
57 trans-1,3-Dichloropropene	75	7.527	7.522	0.005	71	10529	2.00	
61 Ethyl methacrylate	69	7.637	7.632	0.005	89	11833	2.00	
62 1,1,2-Trichloroethane	83	7.722	7.723	-0.001	78	7053	2.00	
63 Tetrachloroethene	166	7.898	7.899	-0.001	78	7865	1.86	
64 1,3-Dichloropropane	76	7.904	7.905	-0.001	82	13691	2.00	
65 2-Hexanone	43	8.002	8.003	-0.001	81	4402	2.00	
66 Chlorodibromomethane	129	8.160	8.155	0.005	47	9203	2.00	
67 Ethylene Dibromide	107	8.275	8.282	-0.007	86	8440	2.00	
68 Chlorobenzene	112	8.841	8.841	0.0	0	25419	2.00	M
69 1,1,1,2-Tetrachloroethane	131	8.932	8.927	0.005	82	9239	2.00	
70 Ethylbenzene	91	8.969	8.970	-0.001	92	37684	2.00	
71 m-Xylene & p-Xylene	91	9.109	9.103	0.006	0	56469	4.00	
72 o-Xylene	91	9.559	9.559	0.0	87	30957	2.00	
73 Styrene	104	9.571	9.572	-0.001	90	24867	2.00	
74 Bromoform	173	9.784	9.784	0.0	0	4396	2.00	M
75 Isopropylbenzene	105	9.997	9.991	0.006	87	28171	2.00	
76 1,1,2,2-Tetrachloroethane	83	10.326	10.326	0.0	63	8333	2.00	
77 Bromobenzene	77	10.338	10.338	0.0	87	15375	2.00	
78 1,2,3-Trichloropropane	75	10.380	10.380	0.0	36	7395	2.00	M
79 trans-1,4-Dichloro-2-butene	53	10.405	10.405	0.0	40	1791	2.00	M
80 N-Propylbenzene	91	10.478	10.478	0.0	94	34887	2.00	
81 2-Chlorotoluene	91	10.569	10.575	-0.006	86	23712	2.00	
82 1,3,5-Trimethylbenzene	105	10.697	10.697	0.0	83	25916	2.00	
83 4-Chlorotoluene	91	10.703	10.703	0.0	89	27867	2.00	
84 tert-Butylbenzene	119	11.086	11.080	0.006	87	22656	2.00	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85	1,2,4-Trimethylbenzene	105	11.141	11.141	0.0	63	26865	2.00	
86	sec-Butylbenzene	105	11.348	11.347	0.001	79	29630	2.00	
87	1,3-Dichlorobenzene	146	11.469	11.469	0.0	85	15545	2.00	
88	4-Isopropyltoluene	119	11.530	11.530	0.0	53	24259	2.00	
89	1,4-Dichlorobenzene	146	11.573	11.573	0.0	88	15852	2.00	M
99	1,2,3-Trimethylbenzene	105	11.646	11.645	0.001	0	27871	2.00	
90	n-Butylbenzene	91	12.029	12.022	0.007	81	21409	2.00	
91	1,2-Dichlorobenzene	146	12.023	12.022	0.001	76	13822	2.00	
92	1,2-Dibromo-3-Chloropropane	157	12.966	12.965	0.001	14	1199	2.00	
93	1,2,4-Trichlorobenzene	180	14.000	13.993	0.007	56	6065	2.00	
94	Hexachlorobutadiene	225	14.231	14.224	0.007	45	3079	2.00	
95	Naphthalene	128	14.292	14.291	0.001	87	16467	2.00	
96	1,2,3-Trichlorobenzene	180	14.590	14.595	-0.005	60	4605	2.00	
S 97	Total 1,2-dichloroethene	100				0		4.00	
S 98	Xylenes, Total	100				0		6.00	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D
Injection Date: 17-Aug-2011 11:14:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 3
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

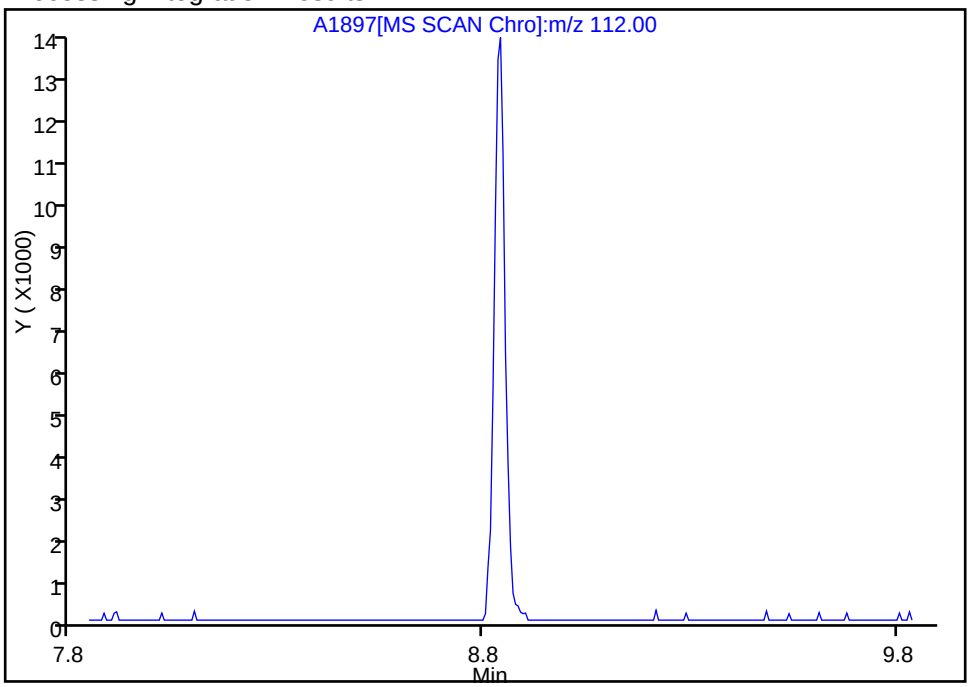
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

68 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.84

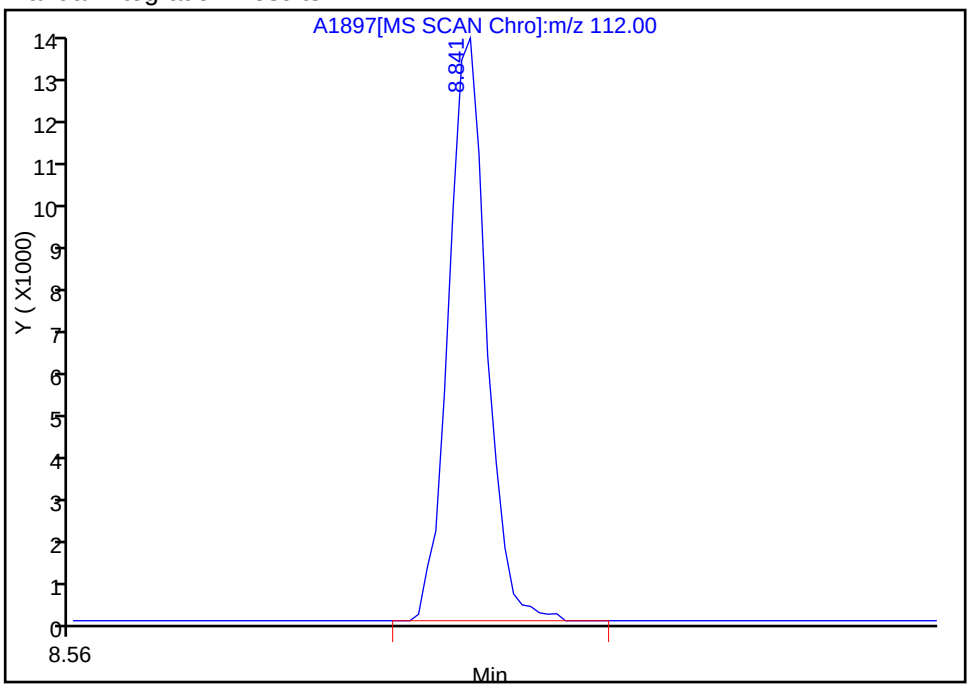
Processing Integration Results

Not Detected
Expected RT: 8.84



Manual Integration Results

RT: 8.84
Response: 25419
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

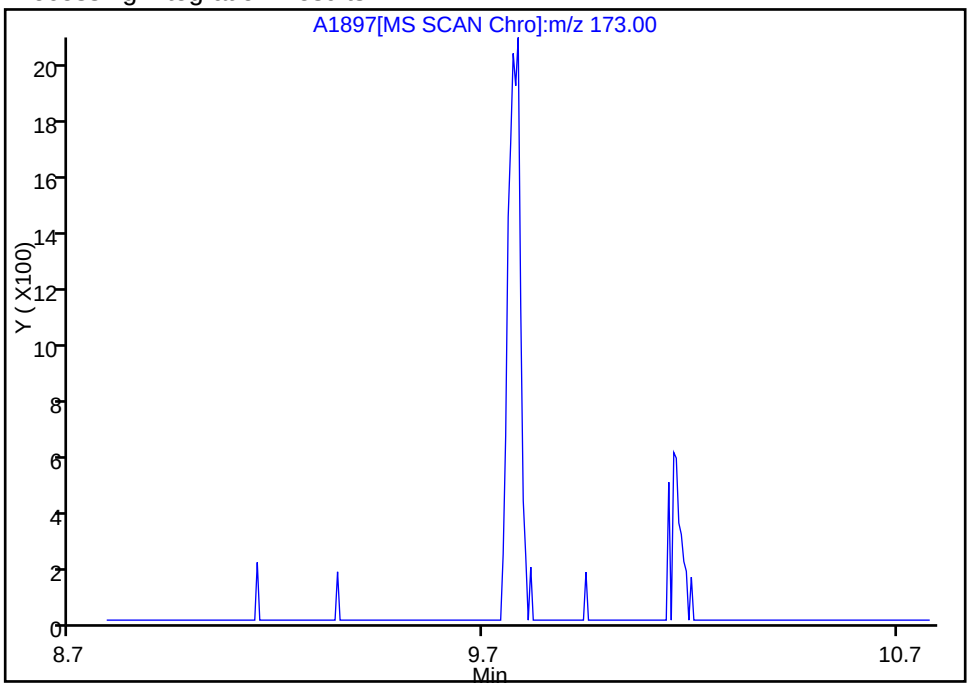
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

74 Bromoform, Signal: 1, m/z: 173.0 Type: quant, RT: 9.78

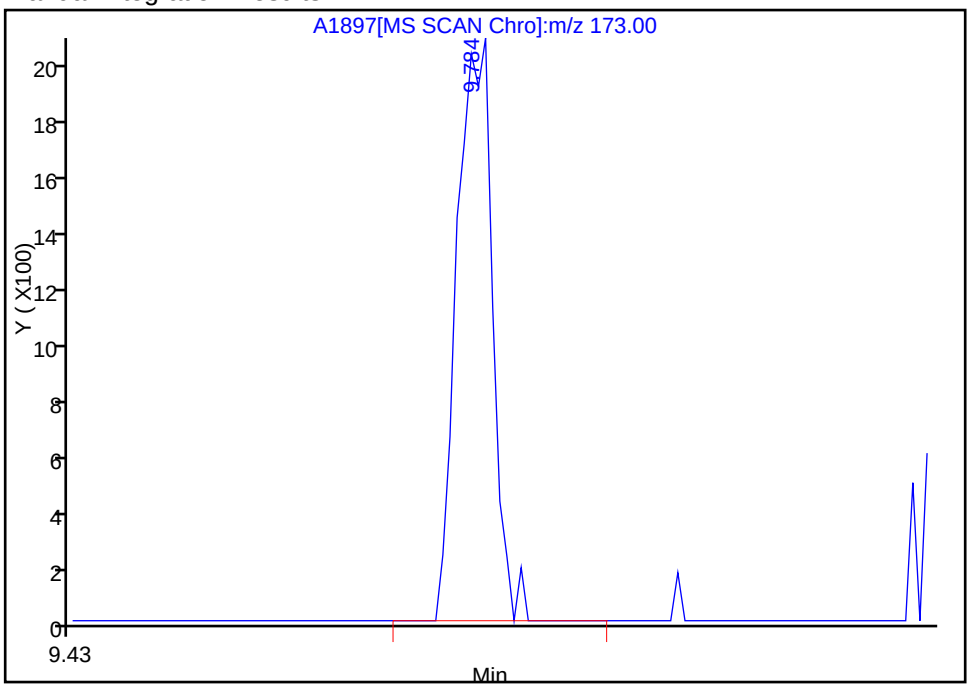
Processing Integration Results

Not Detected
Expected RT: 9.78



Manual Integration Results

RT: 9.78
Response: 4396
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

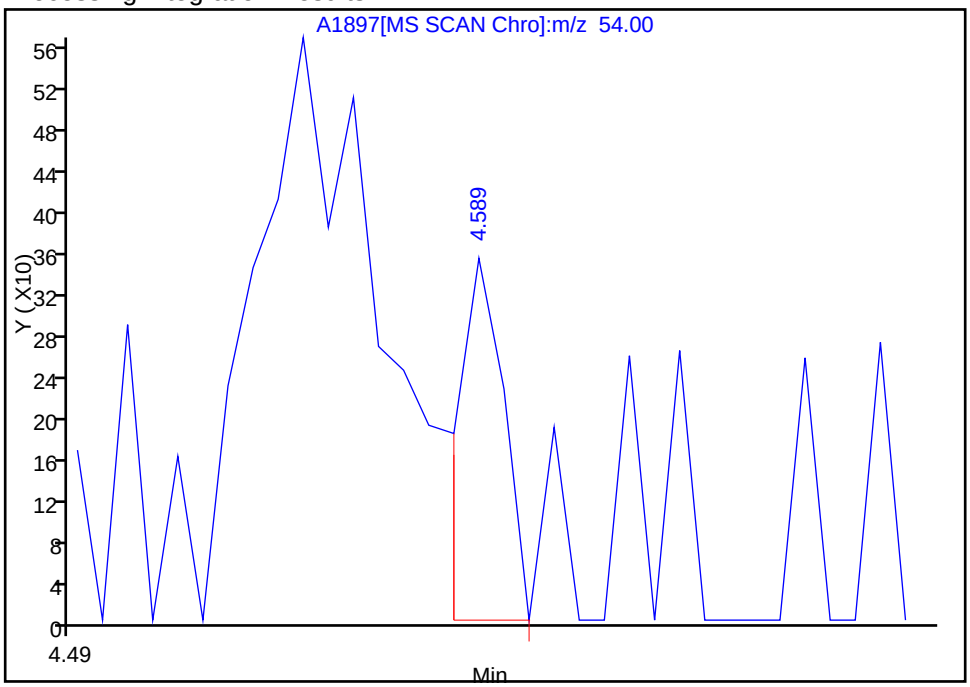
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

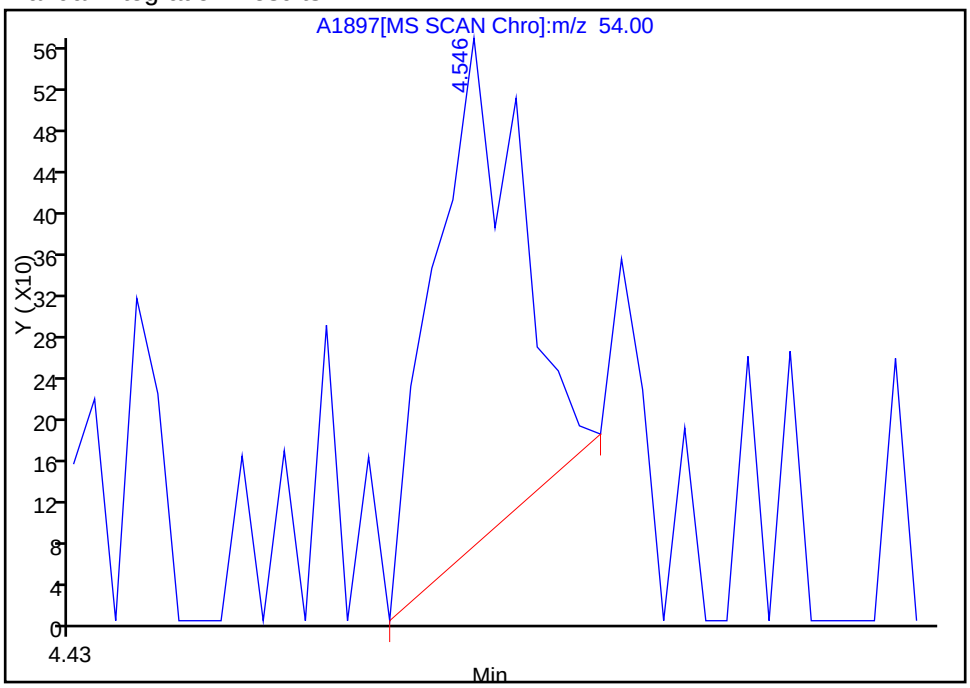
Processing Integration Results

RT: 4.59
Response: 274
Amount: 2.000000



Manual Integration Results

RT: 4.55
Response: 840
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

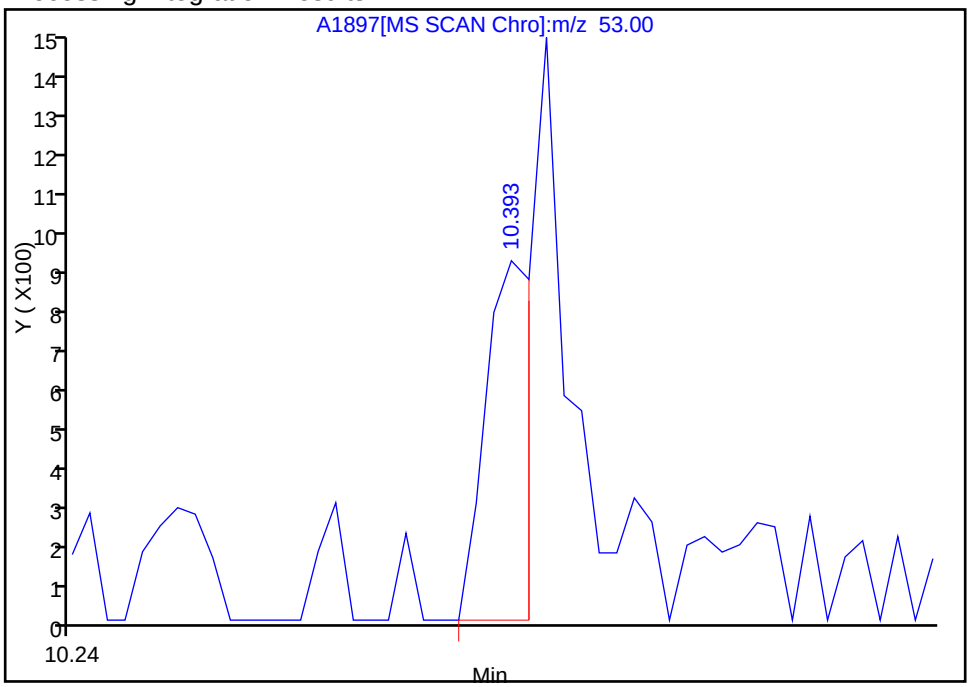
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

79 trans-1,4-Dichloro-2-butene, Signal: 1, m/z: 53.0 Type: quant, RT: 10.40

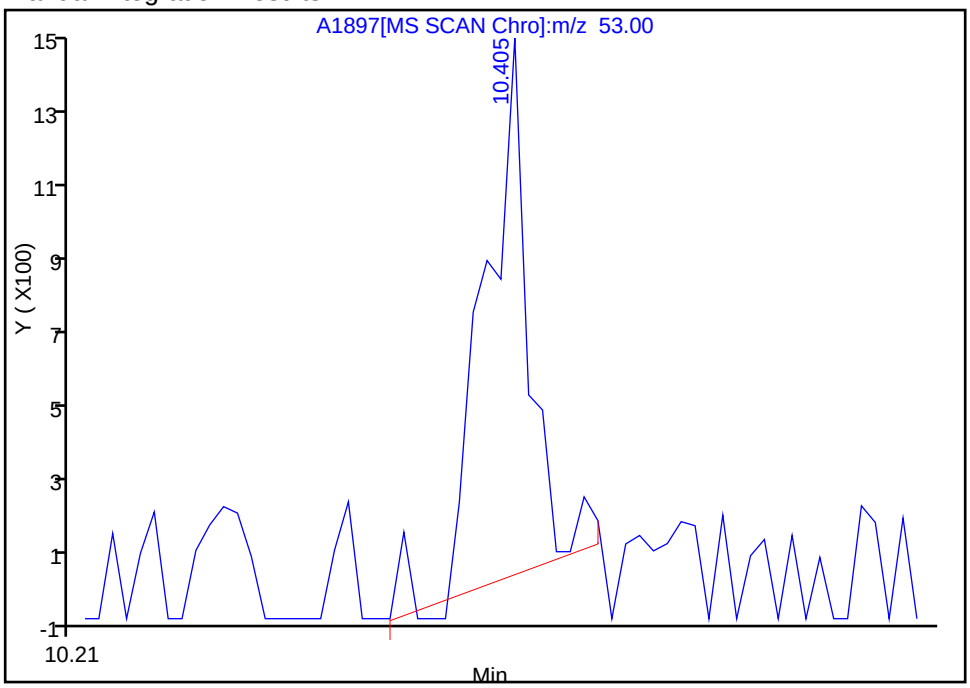
Processing Integration Results

RT: 10.39
Response: 1007
Amount: 2.000000



Manual Integration Results

RT: 10.40
Response: 1791
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Assigned New Baseline
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

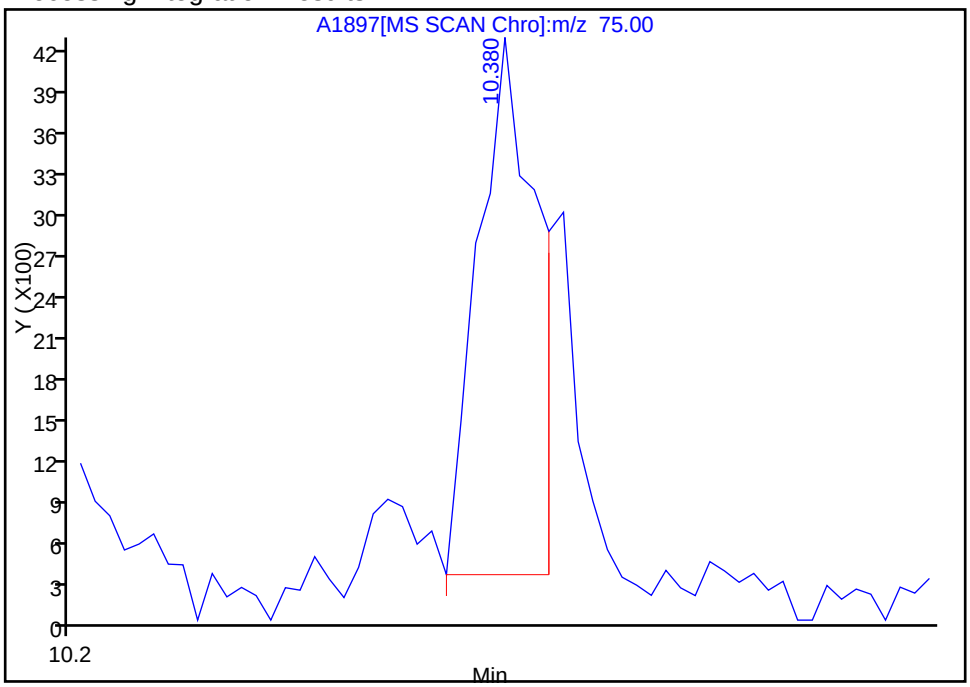
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

78 1,2,3-Trichloropropane, Signal: 1, m/z: 75.0 Type: quant, RT: 10.38

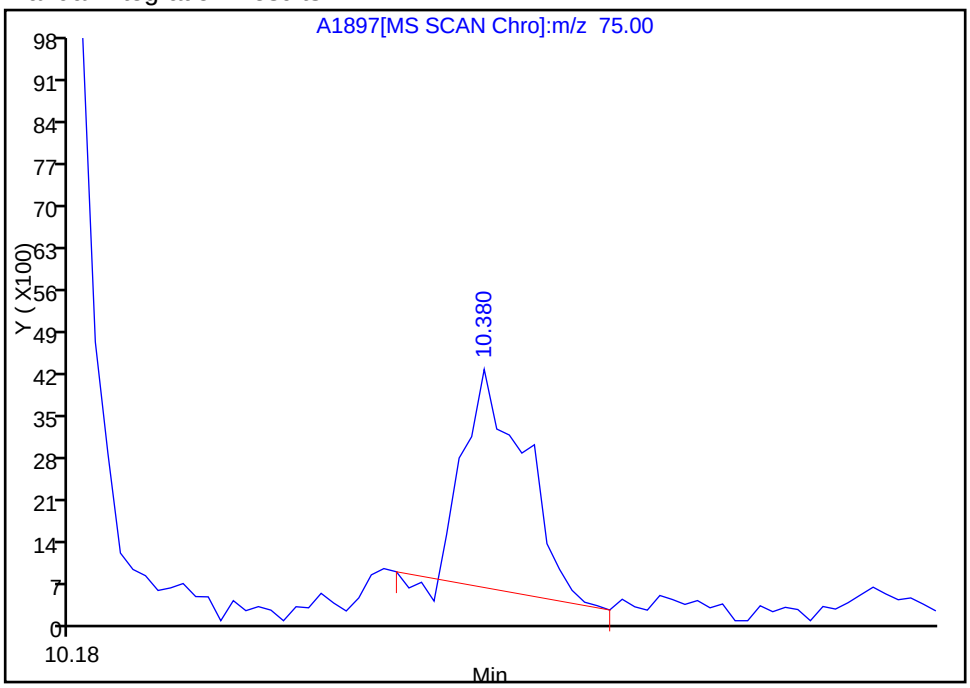
Processing Integration Results

RT: 10.38
Response: 6666
Amount: 2.000000



Manual Integration Results

RT: 10.38
Response: 7395
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

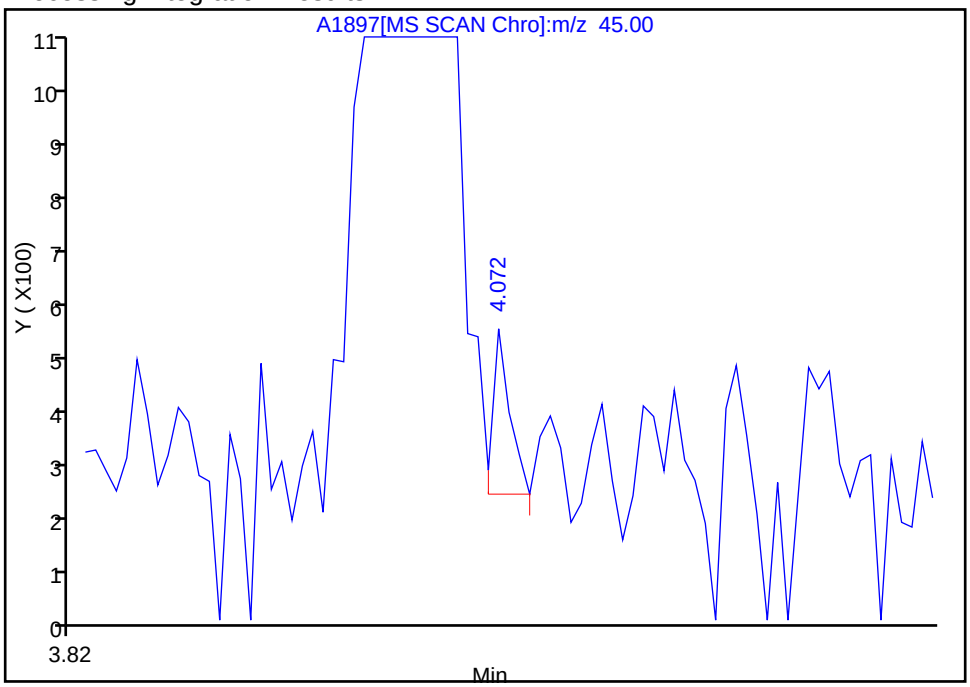
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

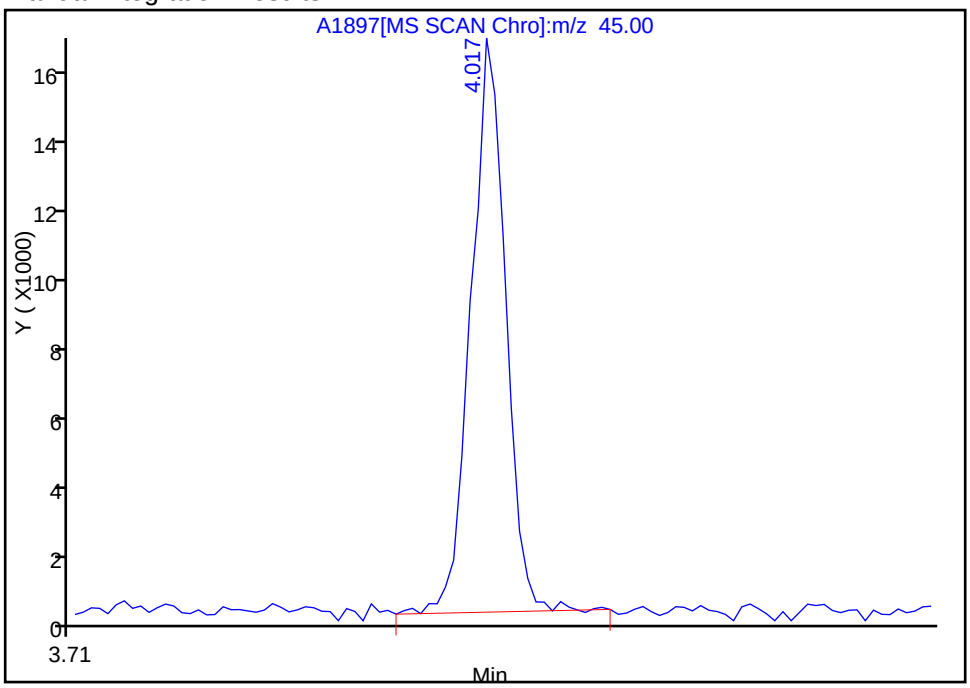
Processing Integration Results

RT: 4.07
Response: 213
Amount: 2.000000



Manual Integration Results

RT: 4.02
Response: 29277
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

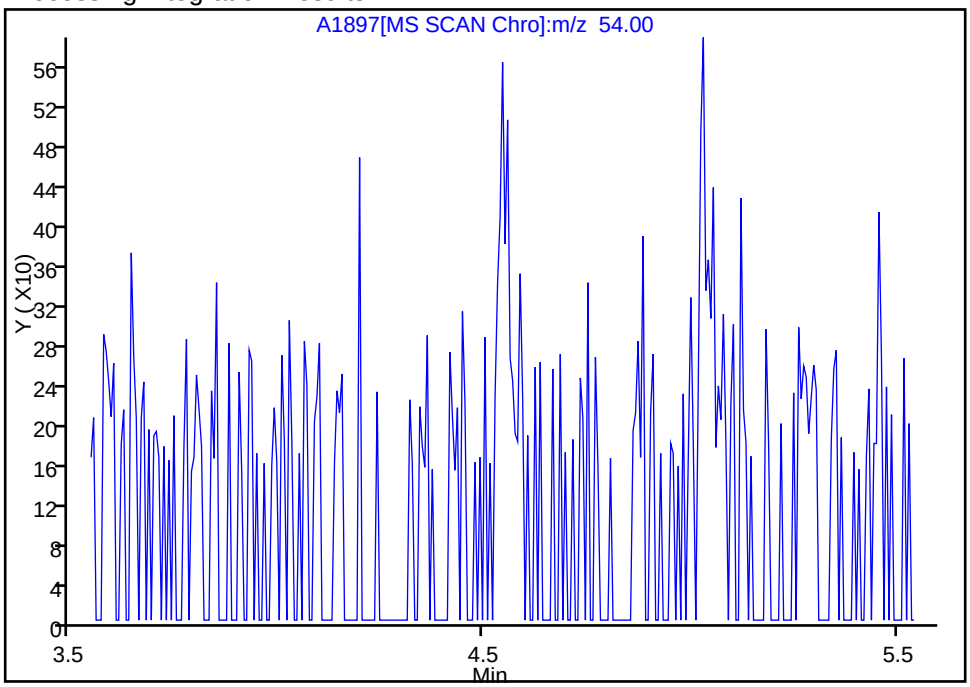
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

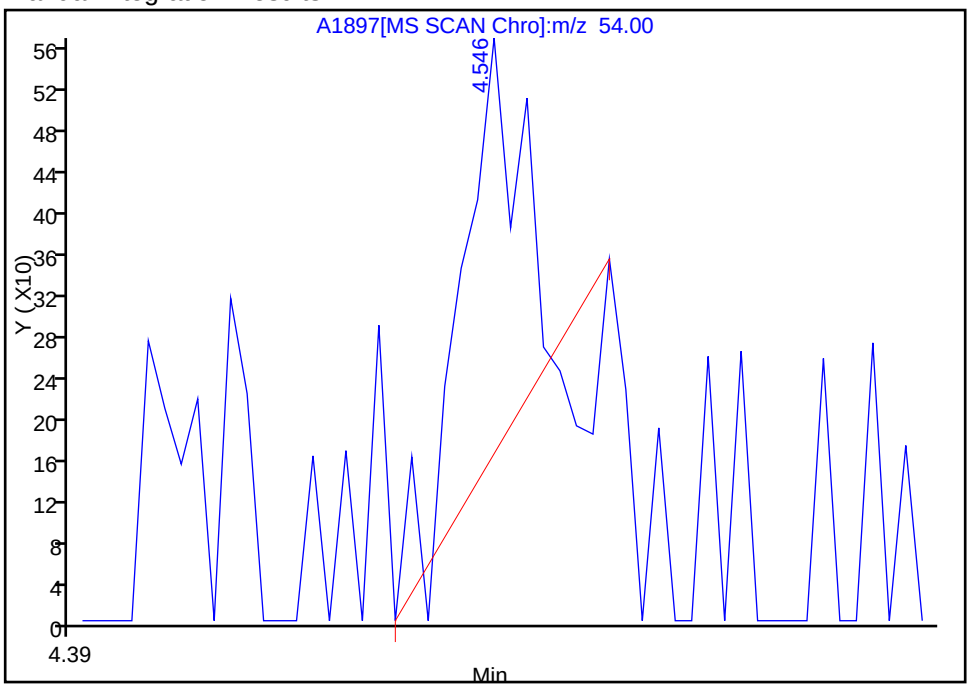
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 494
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 11:46:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

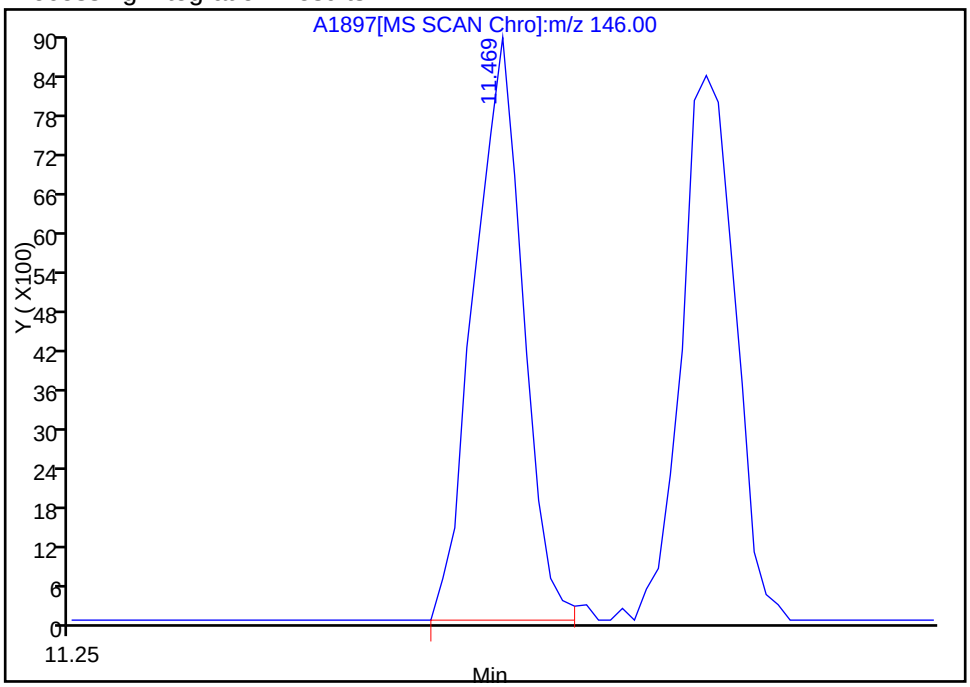
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1897.D		
Injection Date:	17-Aug-2011 11:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	3
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.57

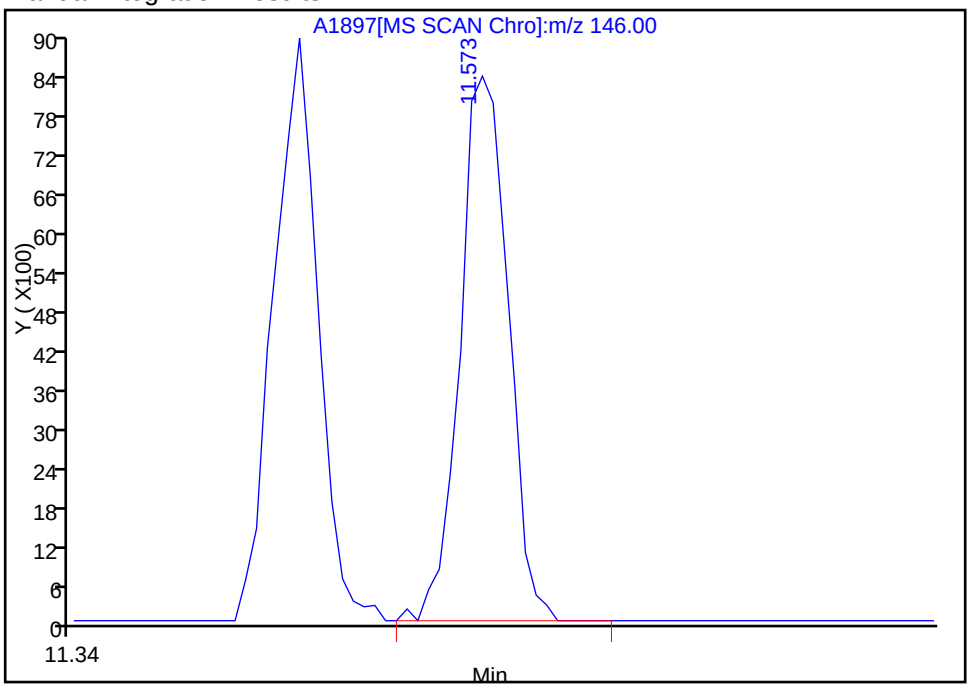
Processing Integration Results

RT: 11.47
Response: 15545
Amount: 2.000000



Manual Integration Results

RT: 11.57
Response: 15852
Amount: 2.000000



Reviewer: hallj, 17-Aug-2011 11:46:30
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D
Lims ID: STD005 Client ID:
Inject. Date: 17-Aug-2011 11:46:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD005
Misc. Info.: 510-0005393-004 =510-0005393-004
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 85201 Lims Sample ID: 4
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 12:17:35 Calib Date: 17-Aug-2011 11:46:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 12:17:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.615	5.599	0.016	99	691148	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.805	0.003	82	278783	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.548	-0.002	94	221112	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.258	0.016	0	173529	50.9	
$ 7 Toluene-d8 (Surr)	98	7.233	7.138	0.095	92	652837	49.9	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.161	0.004	90	247279	50.0	
12 Dichlorodifluoromethane	85	1.441	1.447	-0.006	98	23593	4.62	
13 Chloromethane	50	1.606	1.605	0.001	98	20194	5.22	
14 Vinyl chloride	62	1.703	1.702	0.001	97	19142	5.06	
15 Bromomethane	94	2.007	2.006	0.001	70	5575	5.00	
16 Chloroethane	64	2.104	2.104	0.0	93	17045	4.60	
17 Trichlorofluoromethane	101	2.348	2.353	-0.005	72	29945	4.79	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.628	2.633	-0.005	76	25677	4.58	
19 Acrolein	56	2.731	2.736	-0.005	71	2812	4.82	
20 1,1-Dichloroethene	61	2.834	2.833	0.001	85	26148	4.47	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.847	2.846	0.001	80	12494	4.77	
22 Acetone	43	2.871	2.876	-0.005	85	7436	5.00	
23 Iodomethane	142	2.974	2.979	-0.005	80	3494	5.00	
24 Carbon disulfide	76	3.041	3.040	0.001	99	61833	4.59	
25 Methyl acetate	43	3.193	3.186	0.007	92	15924	4.97	
26 Methylene Chloride	84	3.285	3.290	-0.005	79	22273	5.00	
27 2-Methyl-2-propanol	59	3.382	3.381	0.001	86	4608	19.6	
28 Acrylonitrile	53	3.504	3.515	-0.011	88	5240	5.00	
30 Methyl tert-butyl ether	73	3.552	3.551	0.001	90	55949	5.34	
29 trans-1,2-Dichloroethene	61	3.546	3.551	-0.005	83	28484	4.66	
31 Hexane	57	3.820	3.819	0.001	90	9322	4.48	
32 1,1-Dichloroethane	63	3.942	3.940	0.002	81	34418	4.65	
33 Vinyl acetate	43	3.990	3.989	0.001	99	79951	9.56	
34 Isopropyl ether	45	4.015	4.015	0.0	0	60177	4.62	M
35 Tert-butyl ethyl ether	59	4.361	4.360	0.001	96	55598	4.87	

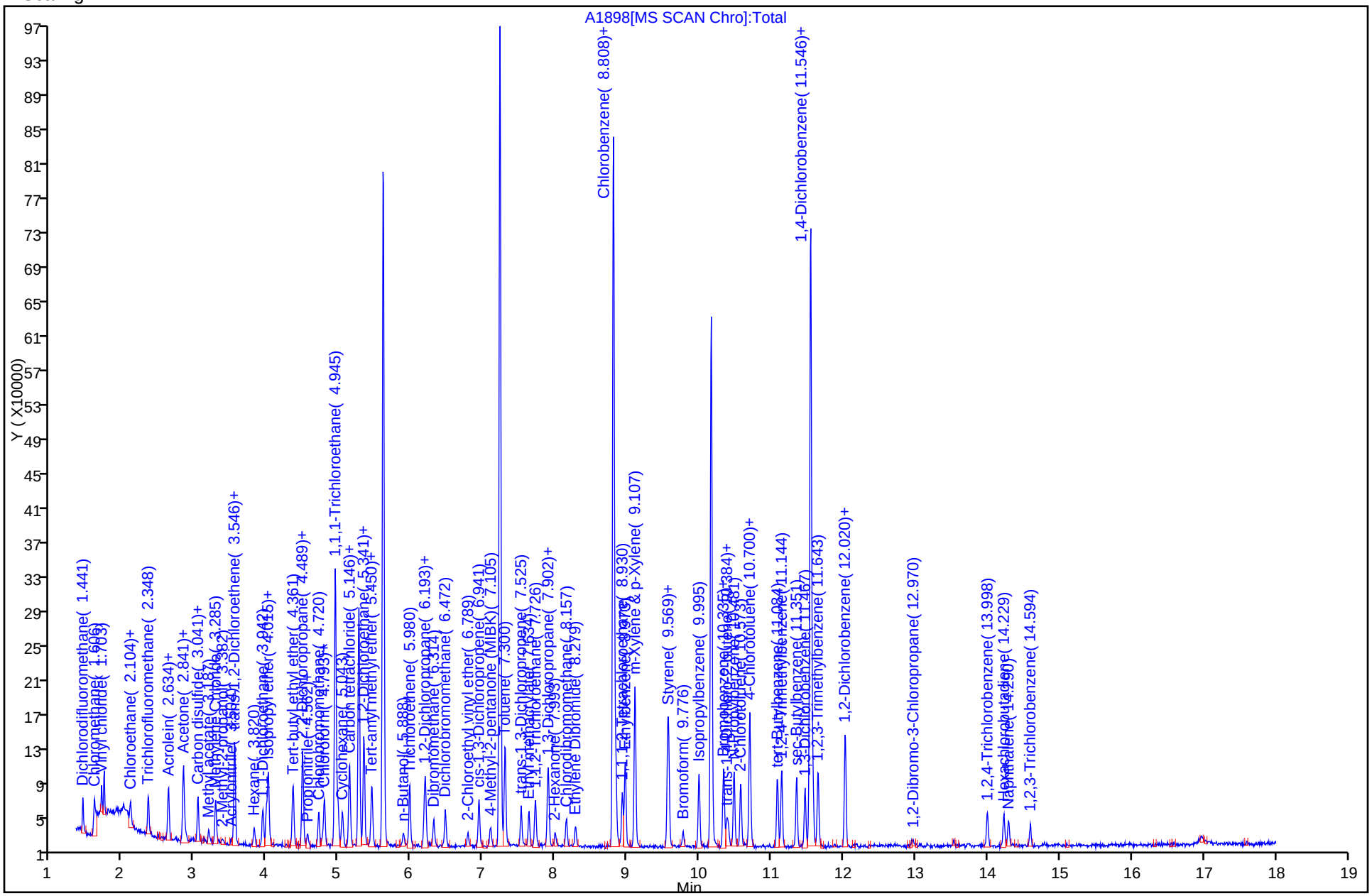
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
36 cis-1,2-Dichloroethene	61	4.489	4.488	0.001	84	30878	4.85	
37 2,2-Dichloropropane	77	4.489	4.500	-0.011	65	29676	5.00	
38 2-Butanone (MEK)	43	4.495	4.500	-0.005	43	8260	4.50	
103 Butadiene	54	4.544	4.544	0.0	0	753	5.00	M
39 Propionitrile	54	4.544	4.544	0.0	0	2026	4.98	M
101 Ethyl acetate	43	4.562	4.561	0.001	0	14925	4.54	
40 Chlorobromomethane	130	4.714	4.719	-0.005	80	14577	4.95	
41 Tetrahydrofuran	42	4.763	4.761	0.002	80	5674	5.00	
42 Chloroform	83	4.793	4.798	-0.005	78	37956	5.00	
43 1,1,1-Trichloroethane	97	4.982	4.980	0.002	83	31215	4.73	
44 Cyclohexane	56	5.043	5.041	0.002	80	16826	4.49	
46 1,1-Dichloropropene	75	5.140	5.138	0.002	94	26004	4.53	
45 Carbon tetrachloride	117	5.146	5.144	0.002	87	24218	4.89	
47 Benzene	78	5.341	5.339	0.002	91	85833	4.38	
48 1,2-Dichloroethane	62	5.347	5.345	0.002	40	22672	4.68	
50 Isobutyl alcohol	41	5.450	5.448	0.002	38	6281	5.00	
49 Tert-amyl methyl ether	73	5.456	5.455	0.001	98	55870	4.55	
102 n-Butanol	56	5.888	5.891	-0.003	0	8765	282.6	
51 Trichloroethene	132	5.980	5.978	0.002	86	22478	4.56	
52 Methylcyclohexane	83	6.180	6.184	-0.004	88	17544	4.55	
53 1,2-Dichloropropane	63	6.205	6.196	0.009	91	19203	4.68	
54 Dibromomethane	93	6.314	6.312	0.002	85	11170	4.82	
55 Dichlorobromomethane	83	6.472	6.470	0.002	95	26120	4.57	
56 2-Chloroethyl vinyl ether	63	6.789	6.792	-0.003	83	6844	15.8	
60 cis-1,3-Dichloropropene	75	6.941	6.938	0.003	88	30803	5.01	
58 4-Methyl-2-pentanone (MIBK)	43	7.099	7.103	-0.004	88	13164	4.59	
59 Toluene	91	7.300	7.303	-0.003	60	84744	4.59	
57 trans-1,3-Dichloropropene	75	7.525	7.522	0.003	89	26358	5.11	
61 Ethyl methacrylate	69	7.634	7.632	0.002	90	22726	5.00	
62 1,1,2-Trichloroethane	83	7.719	7.723	-0.004	82	13810	4.50	
63 Tetrachloroethene	166	7.890	7.899	-0.009	86	16538	4.34	
64 1,3-Dichloropropane	76	7.908	7.905	0.003	80	28500	4.65	
65 2-Hexanone	43	7.999	8.003	-0.004	93	10012	4.87	
66 Chlorodibromomethane	129	8.157	8.155	0.002	72	18843	4.61	
67 Ethylene Dibromide	107	8.279	8.282	-0.003	93	17194	4.60	
68 Chlorobenzene	112	8.839	8.839	0.0	0	53261	4.62	M
69 1,1,1,2-Tetrachloroethane	131	8.930	8.927	0.003	92	18895	4.56	
70 Ethylbenzene	91	8.973	8.970	0.003	97	76619	4.55	
71 m-Xylene & p-Xylene	91	9.107	9.103	0.004	0	121586	9.38	
72 o-Xylene	91	9.557	9.559	-0.002	92	65735	4.65	
73 Styrene	104	9.575	9.572	0.003	93	53886	4.71	
74 Bromoform	173	9.770	9.784	-0.014	83	8892	4.53	
75 Isopropylbenzene	105	9.995	9.991	0.004	96	63820	4.83	
76 1,1,2,2-Tetrachloroethane	83	10.335	10.326	0.009	61	17160	4.59	
77 Bromobenzene	77	10.335	10.338	-0.003	93	31180	4.55	
78 1,2,3-Trichloropropane	75	10.390	10.380	0.010	22	20349	5.31	
79 trans-1,4-Dichloro-2-butene	53	10.408	10.405	0.003	48	4025	4.81	
80 N-Propylbenzene	91	10.481	10.478	0.003	96	73877	4.66	
81 2-Chlorotoluene	91	10.573	10.575	-0.002	91	49580	4.63	
82 1,3,5-Trimethylbenzene	105	10.694	10.697	-0.003	90	51168	4.49	
83 4-Chlorotoluene	91	10.700	10.703	-0.003	92	55498	4.51	
84 tert-Butylbenzene	119	11.084	11.080	0.004	88	45928	4.55	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	85 1,2,4-Trimethylbenzene	105	11.144	11.141	0.003	55	55661	4.61	
	86 sec-Butylbenzene	105	11.351	11.347	0.004	88	61050	4.59	
	87 1,3-Dichlorobenzene	146	11.467	11.469	-0.002	94	33746	4.72	
	88 4-Isopropyltoluene	119	11.528	11.530	-0.002	68	52079	4.69	
	89 1,4-Dichlorobenzene	146	11.576	11.576	0.0	0	31218	4.48	M
	99 1,2,3-Trimethylbenzene	105	11.643	11.645	-0.002	0	57889	4.61	
	90 n-Butylbenzene	91	12.027	12.022	0.005	93	42982	4.53	
	91 1,2-Dichlorobenzene	146	12.020	12.022	-0.002	81	30643	4.77	
	92 1,2-Dibromo-3-Chloropropane	157	12.970	12.965	0.005	15	2350	4.47	
	93 1,2,4-Trichlorobenzene	180	13.998	13.993	0.005	85	12738	4.64	
	94 Hexachlorobutadiene	225	14.223	14.224	-0.001	78	6902	4.80	
	95 Naphthalene	128	14.290	14.291	-0.001	94	28066	5.00	
	96 1,2,3-Trichlorobenzene	180	14.594	14.595	-0.001	77	7961	5.00	
S	97 Total 1,2-dichloroethene	100				0		9.51	
S	98 Xylenes, Total	100				0		14.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 12:17:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D
Injection Date: 17-Aug-2011 11:46:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 4
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 12:17:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

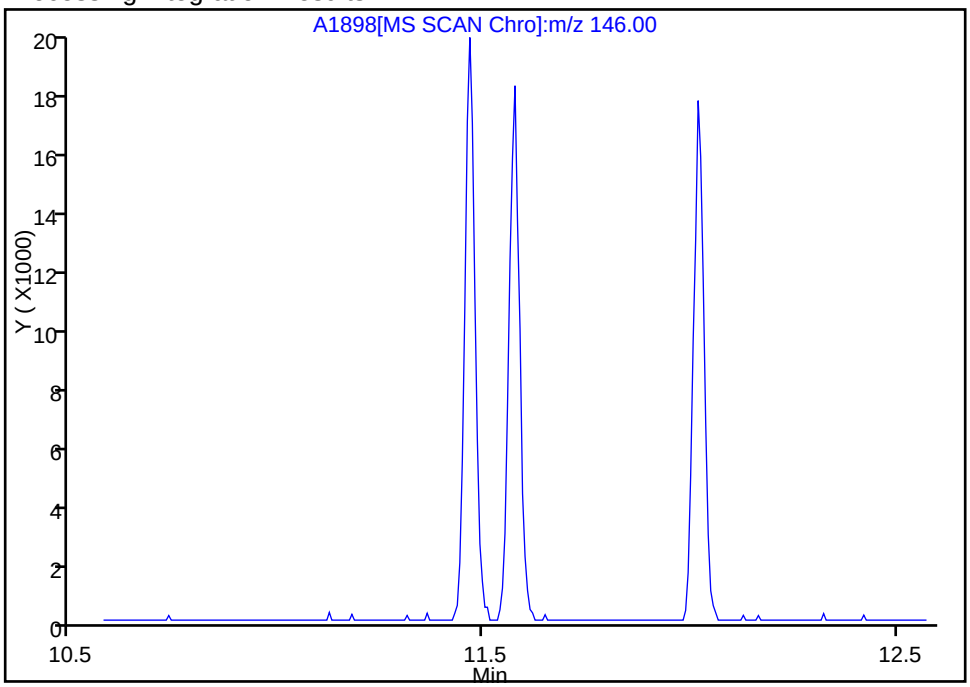
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D		
Injection Date:	17-Aug-2011 11:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	4
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.58

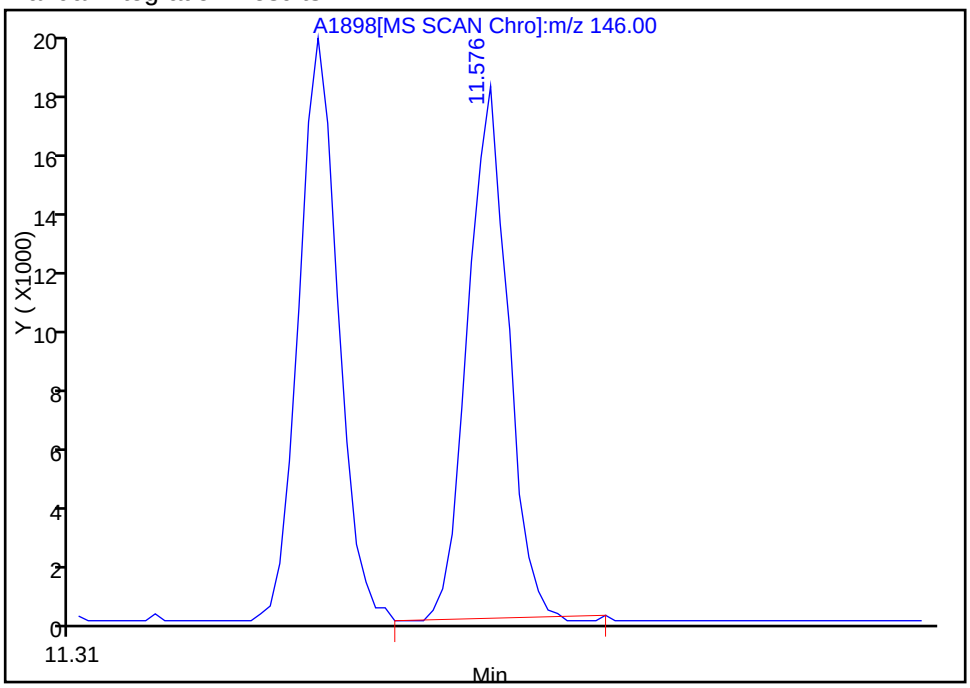
Processing Integration Results

Not Detected
Expected RT: 11.58



Manual Integration Results

RT: 11.58
Response: 31218
Amount: 4.479363



Reviewer: hallj, 17-Aug-2011 12:17:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:17:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

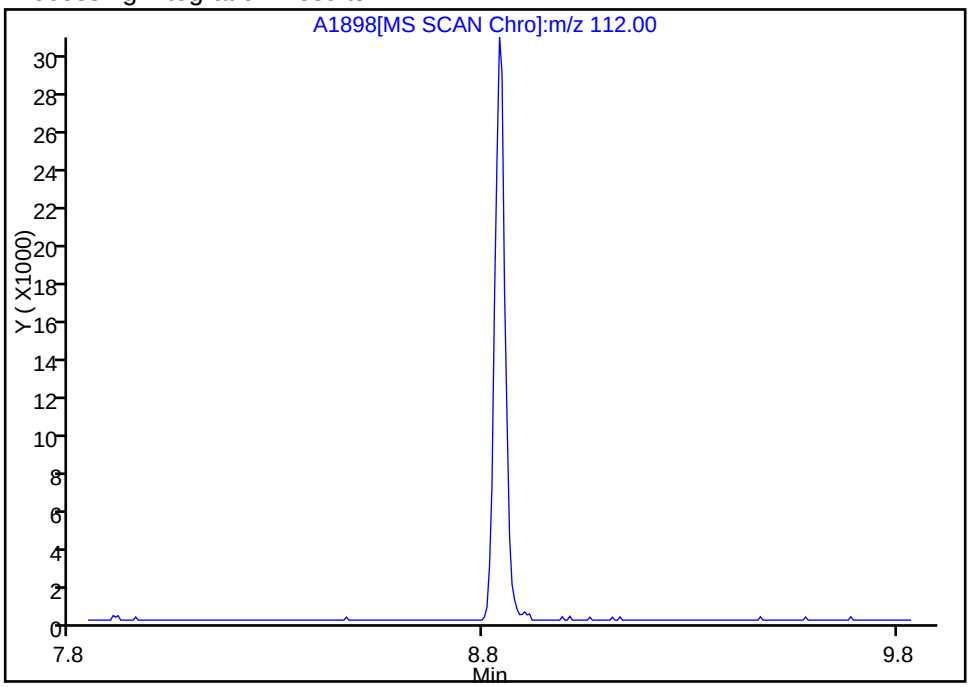
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D		
Injection Date:	17-Aug-2011 11:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	4
Operator ID:	JLH		

68 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.84

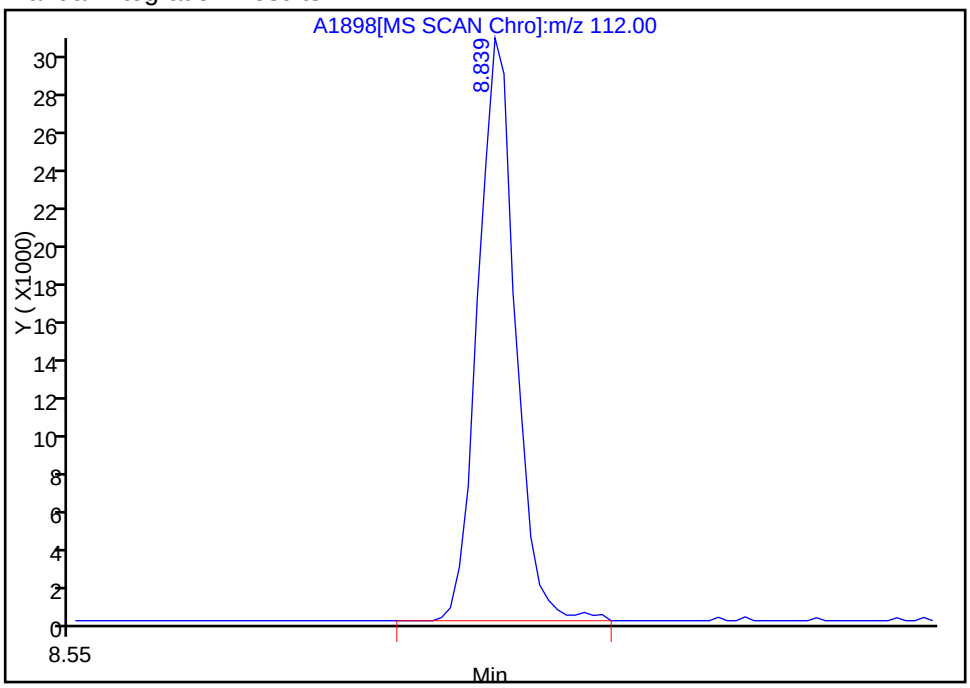
Processing Integration Results

Not Detected
Expected RT: 8.84



Manual Integration Results

RT: 8.84
Response: 53261
Amount: 4.621432



Reviewer: hallj, 17-Aug-2011 12:17:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:17:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D

Injection Date: 17-Aug-2011 11:46:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 4

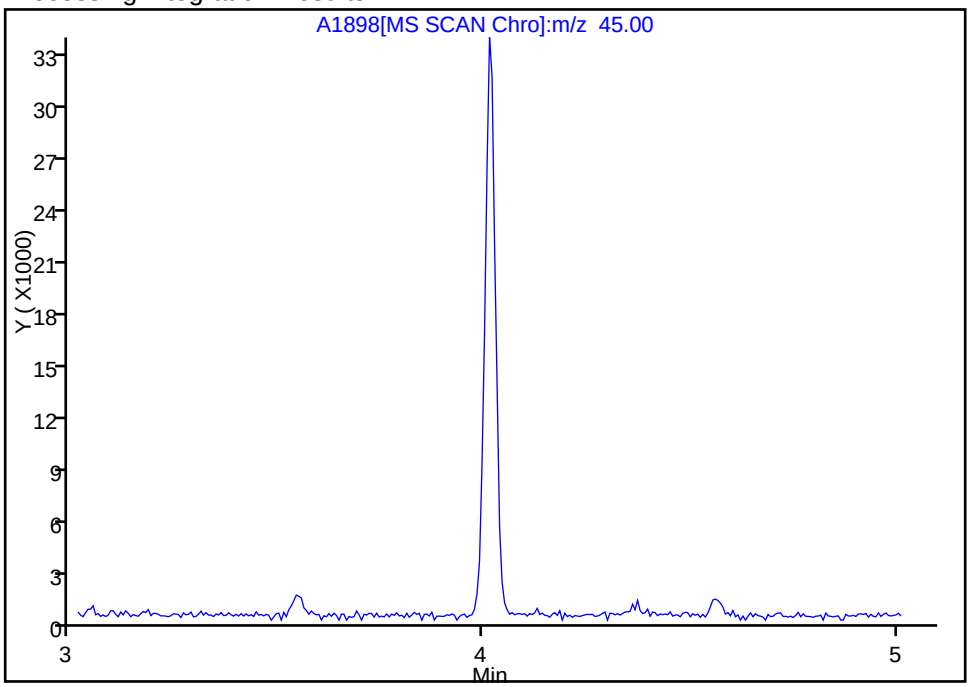
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

Not Detected

Expected RT: 4.01

Processing Integration Results

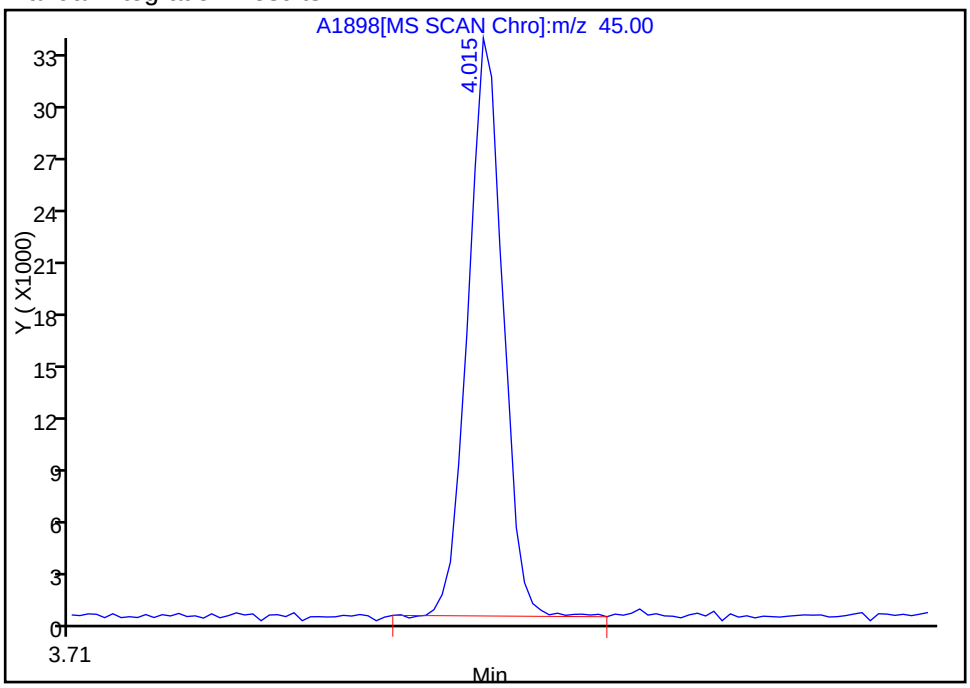


Manual Integration Results

RT: 4.01

Response: 60177

Amount: 4.618929



Reviewer: hallj, 17-Aug-2011 12:17:35

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:17:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

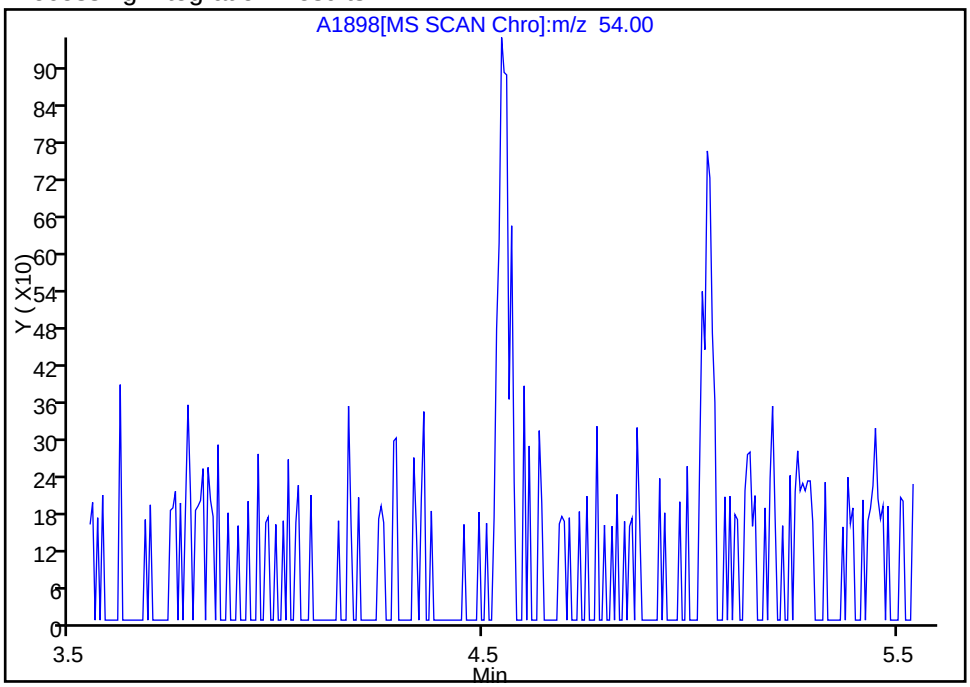
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D		
Injection Date:	17-Aug-2011 11:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	4
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

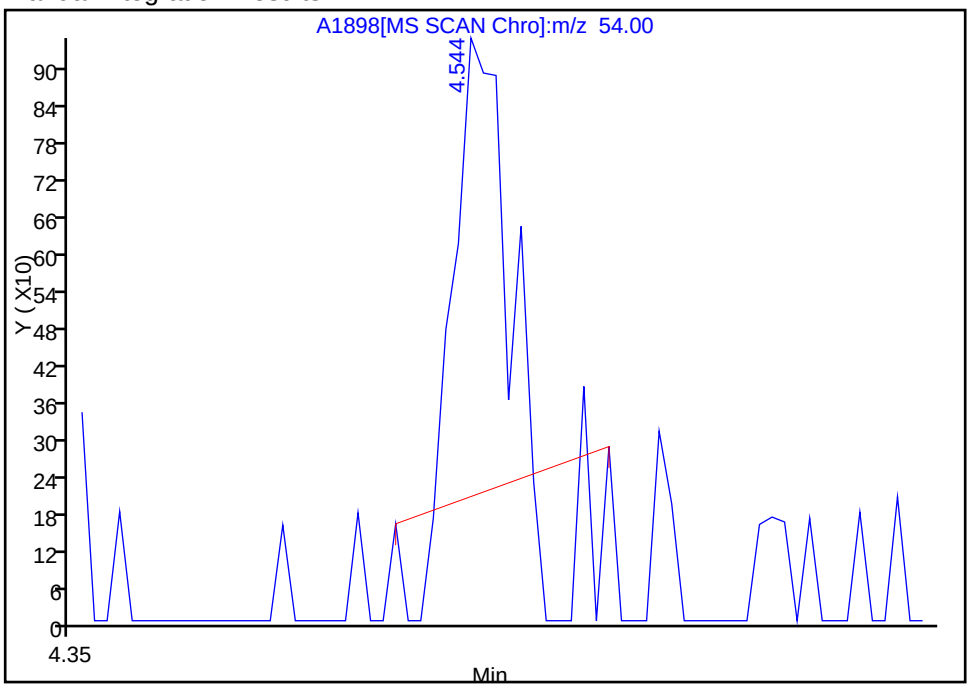
Not Detected
Expected RT: 4.54

Processing Integration Results



Manual Integration Results

RT: 4.54
Response: 753
Amount: 5.000000



Reviewer: hallj, 17-Aug-2011 12:17:35
Audit Action: Manually Integrated
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Report Date: 17-Aug-2011 12:17:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

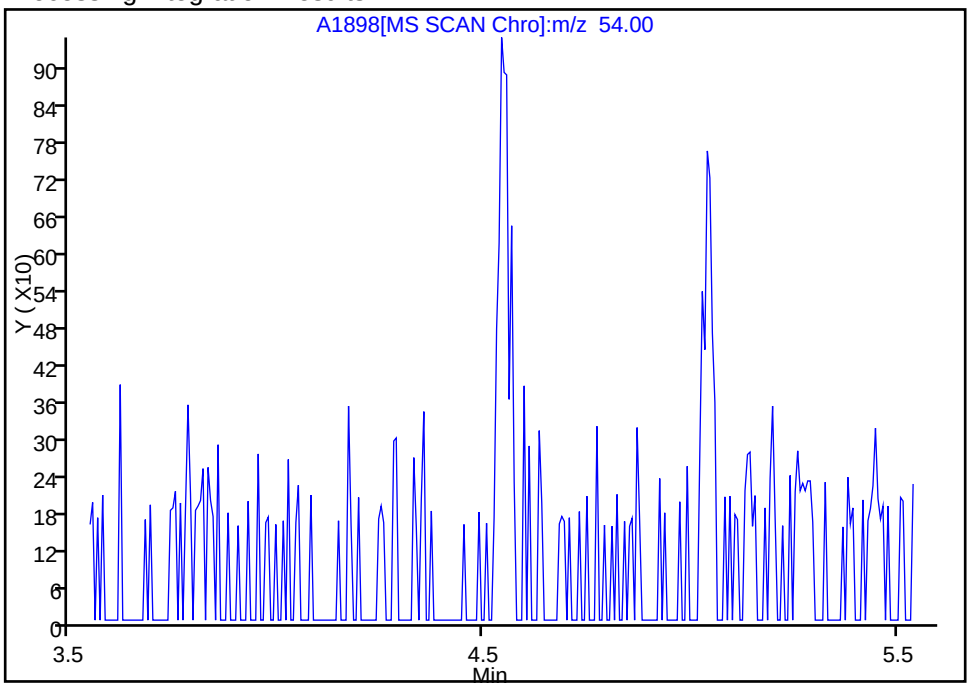
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1898.D		
Injection Date:	17-Aug-2011 11:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	4
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

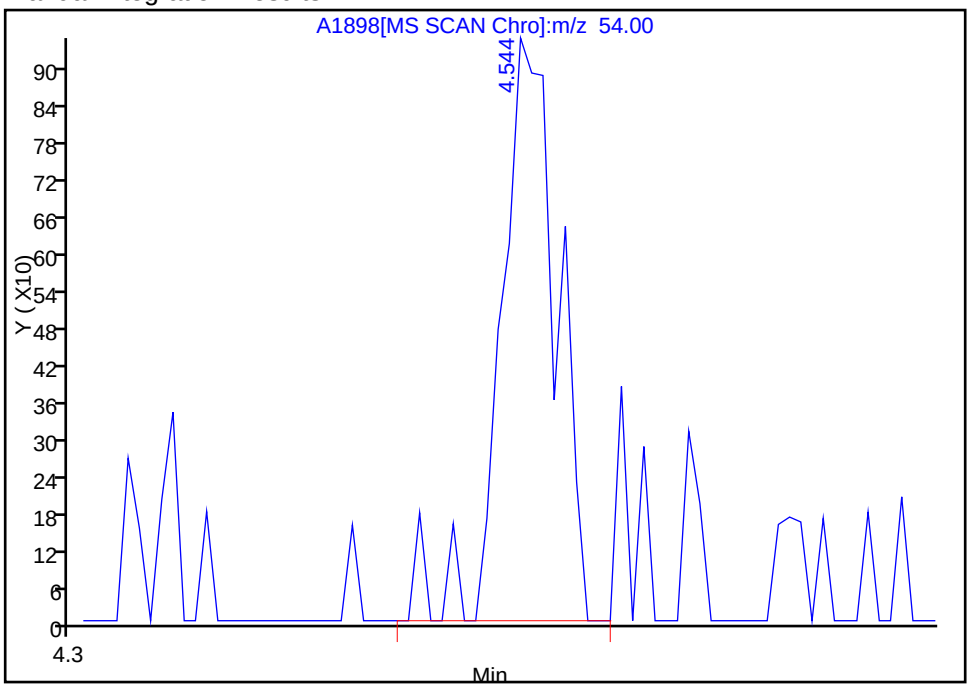
Processing Integration Results

Not Detected
Expected RT: 4.54



Manual Integration Results

RT: 4.54
Response: 2026
Amount: 4.984263



Reviewer: hallj, 17-Aug-2011 12:17:35
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D
Lims ID: STD010 Client ID:
Inject. Date: 17-Aug-2011 12:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD010
Misc. Info.: 510-0005393-005 =510-0005393-005
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 85201 Lims Sample ID: 5
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 12:56:16 Calib Date: 17-Aug-2011 12:19:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 12:56:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.599	0.015	99	700321	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.805	0.003	81	276367	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.548	-0.003	94	219513	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.258	0.015	0	169649	49.3	
$ 7 Toluene-d8 (Surr)	98	7.232	7.138	0.094	92	660820	49.9	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.161	0.003	89	248535	50.5	
12 Dichlorodifluoromethane	85	1.441	1.447	-0.006	86	41654	8.61	
13 Chloromethane	50	1.605	1.605	0.0	88	33467	8.98	
14 Vinyl chloride	62	1.702	1.702	0.0	97	32426	8.91	
15 Bromomethane	94	2.006	2.006	0.0	76	7740	8.15	
16 Chloroethane	64	2.110	2.104	0.006	90	25830	10.0	
17 Trichlorofluoromethane	101	2.353	2.353	0.0	78	49405	8.41	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.633	2.633	0.0	79	42927	9.49	
19 Acrolein	56	2.730	2.736	-0.006	90	4786	8.65	
20 1,1-Dichloroethene	61	2.834	2.833	0.001	87	54151	9.41	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.846	0.0	73	20007	10.0	
22 Acetone	43	2.876	2.876	0.0	93	13901	10.0	
23 Iodomethane	142	2.980	2.979	0.001	90	12675	16.5	
24 Carbon disulfide	76	3.041	3.040	0.001	98	119695	9.15	
104 Acetonitrile	40	3.126	3.126	0.0	0	1141	10.0	M
25 Methyl acetate	43	3.193	3.186	0.007	94	28681	9.19	
26 Methylene Chloride	84	3.290	3.290	0.0	76	43214	8.93	
27 2-Methyl-2-propanol	59	3.387	3.381	0.006	81	9126	38.8	
28 Acrylonitrile	53	3.503	3.515	-0.012	96	10373	10.5	
30 Methyl tert-butyl ether	73	3.552	3.551	0.001	86	107970	10.1	
29 trans-1,2-Dichloroethene	61	3.545	3.551	-0.006	78	55469	9.28	
31 Hexane	57	3.825	3.819	0.006	90	17862	8.93	
32 1,1-Dichloroethane	63	3.941	3.940	0.001	83	67013	9.26	
33 Vinyl acetate	43	3.990	3.989	0.001	99	148127	18.2	
34 Isopropyl ether	45	4.014	4.014	0.0	1	119022	9.32	M

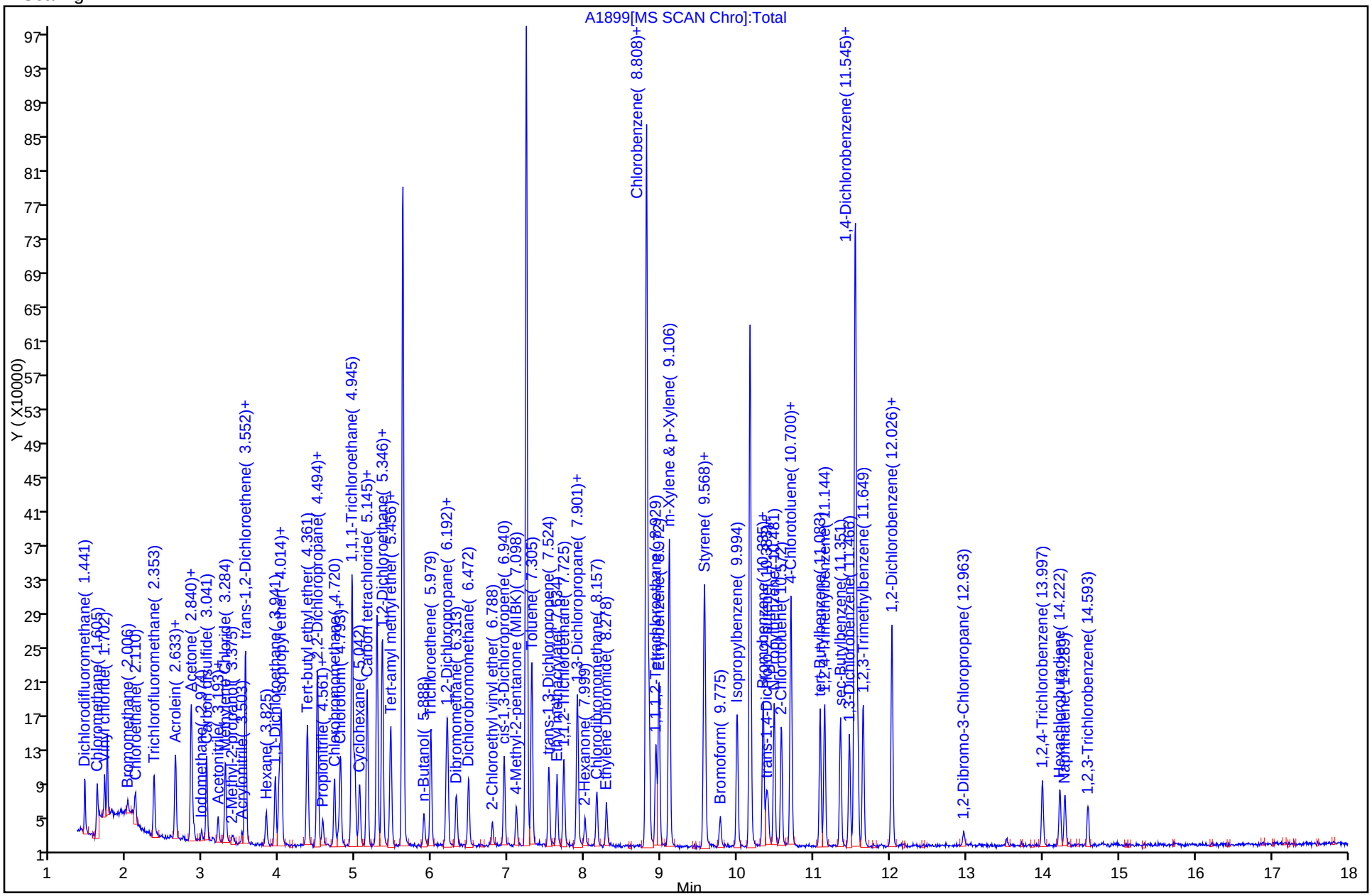
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.361	4.360	0.001	95	112023	9.78	
36 cis-1,2-Dichloroethene	61	4.488	4.488	0.0	86	59805	9.50	
37 2,2-Dichloropropane	77	4.494	4.500	-0.006	73	59033	9.57	
38 2-Butanone (MEK)	43	4.494	4.500	-0.006	40	15804	8.94	
103 Butadiene	54	4.549	4.549	0.0	0	4630	10.0	M
39 Propionitrile	54	4.549	4.549	0.0	0	2596	8.30	M
101 Ethyl acetate	43	4.561	4.561	0.0	0	27204	8.69	
40 Chlorobromomethane	130	4.720	4.719	0.001	85	30512	10.1	
41 Tetrahydrofuran	42	4.762	4.761	0.001	85	9349	10.0	
42 Chloroform	83	4.793	4.798	-0.005	79	74976	10.3	
43 1,1,1-Trichloroethane	97	4.981	4.980	0.001	94	60809	9.38	
44 Cyclohexane	56	5.042	5.041	0.001	90	30422	9.86	
46 1,1-Dichloropropene	75	5.145	5.138	0.007	94	49074	8.90	
45 Carbon tetrachloride	117	5.145	5.144	0.001	77	48913	9.83	
47 Benzene	78	5.340	5.339	0.001	91	165633	8.70	
48 1,2-Dichloroethane	62	5.346	5.345	0.001	25	46172	9.60	
50 Isobutyl alcohol	41	5.456	5.448	0.008	38	12366	10.4	
49 Tert-amyl methyl ether	73	5.456	5.455	0.001	96	112042	9.32	
102 n-Butanol	56	5.888	5.891	-0.003	0	22242	526.9	
51 Trichloroethene	132	5.979	5.978	0.001	87	44591	9.26	
52 Methylcyclohexane	83	6.180	6.184	-0.004	90	33329	8.97	
53 1,2-Dichloropropane	63	6.198	6.196	0.002	93	39878	9.73	
54 Dibromomethane	93	6.313	6.312	0.001	85	22498	9.71	
55 Dichlorobromomethane	83	6.472	6.470	0.002	92	51515	9.23	
56 2-Chloroethyl vinyl ether	63	6.788	6.792	-0.004	86	11378	20.0	
60 cis-1,3-Dichloropropene	75	6.940	6.938	0.002	93	62469	10.0	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.103	-0.005	93	25443	9.13	
59 Toluene	91	7.305	7.303	0.002	67	166227	9.22	
57 trans-1,3-Dichloropropene	75	7.524	7.522	0.002	90	52925	10.1	
61 Ethyl methacrylate	69	7.634	7.632	0.002	95	44120	8.97	
62 1,1,2-Trichloroethane	83	7.725	7.723	0.002	87	28022	9.32	
63 Tetrachloroethene	166	7.895	7.899	-0.004	91	33060	8.89	
64 1,3-Dichloropropane	76	7.907	7.905	0.002	87	55205	9.23	
65 2-Hexanone	43	7.999	8.003	-0.004	90	17843	9.00	
66 Chlorodibromomethane	129	8.157	8.155	0.002	83	38699	9.55	
67 Ethylene Dibromide	107	8.278	8.282	-0.004	95	35811	9.63	
68 Chlorobenzene	112	8.838	8.839	-0.001	77	102685	9.30	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.927	0.002	87	37707	9.44	
70 Ethylbenzene	91	8.972	8.970	0.002	97	153578	9.45	
71 m-Xylene & p-Xylene	91	9.106	9.103	0.003	0	233930	18.8	
72 o-Xylene	91	9.556	9.559	-0.003	93	126175	9.32	
73 Styrene	104	9.574	9.572	0.002	92	105291	9.50	
74 Bromoform	173	9.775	9.784	-0.009	96	19189	9.91	
75 Isopropylbenzene	105	9.994	9.991	0.003	95	122093	9.52	
76 1,1,2,2-Tetrachloroethane	83	10.335	10.326	0.009	71	35082	9.63	
77 Bromobenzene	77	10.341	10.338	0.003	88	60600	9.25	
78 1,2,3-Trichloropropane	75	10.383	10.380	0.003	28	40395	10.4	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.405	-0.003	47	8236	9.94	
80 N-Propylbenzene	91	10.481	10.478	0.003	96	142123	9.33	
81 2-Chlorotoluene	91	10.572	10.575	-0.003	94	90523	8.96	
82 1,3,5-Trimethylbenzene	105	10.694	10.697	-0.003	90	101901	9.31	
83 4-Chlorotoluene	91	10.706	10.703	0.003	94	105249	9.03	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 tert-Butylbenzene	119	11.083	11.080	0.003	87	90168	9.31	
	85 1,2,4-Trimethylbenzene	105	11.144	11.141	0.003	62	108302	9.33	
	86 sec-Butylbenzene	105	11.351	11.347	0.004	92	118506	9.29	
	87 1,3-Dichlorobenzene	146	11.466	11.469	-0.003	97	67175	9.64	
	88 4-Isopropyltoluene	119	11.527	11.530	-0.003	92	103640	9.60	
	89 1,4-Dichlorobenzene	146	11.576	11.576	0.0	0	64034	9.49	M
	99 1,2,3-Trimethylbenzene	105	11.649	11.645	0.004	0	112800	9.35	
	90 n-Butylbenzene	91	12.026	12.022	0.004	93	85878	9.39	
	91 1,2-Dichlorobenzene	146	12.020	12.022	-0.002	83	60867	9.70	
	92 1,2-Dibromo-3-Chloropropane	157	12.969	12.965	0.004	37	4959	9.66	
	93 1,2,4-Trichlorobenzene	180	13.997	13.993	0.004	91	26422	9.79	
	94 Hexachlorobutadiene	225	14.228	14.224	0.004	82	13625	9.69	
	95 Naphthalene	128	14.295	14.291	0.004	96	55854	10.1	
	96 1,2,3-Trichlorobenzene	180	14.593	14.595	-0.002	89	16236	10.2	
S	97 Total 1,2-dichloroethene	100				0		18.8	
S	98 Xylenes, Total	100				0		28.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D
Injection Date: 17-Aug-2011 12:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 5
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

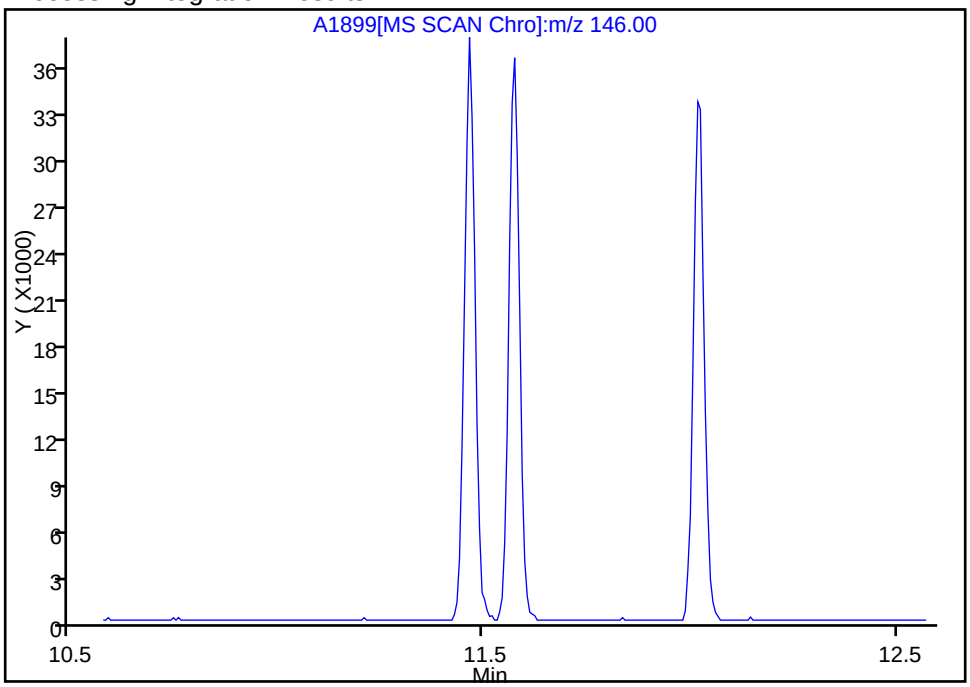
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D		
Injection Date:	17-Aug-2011 12:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	5
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.58

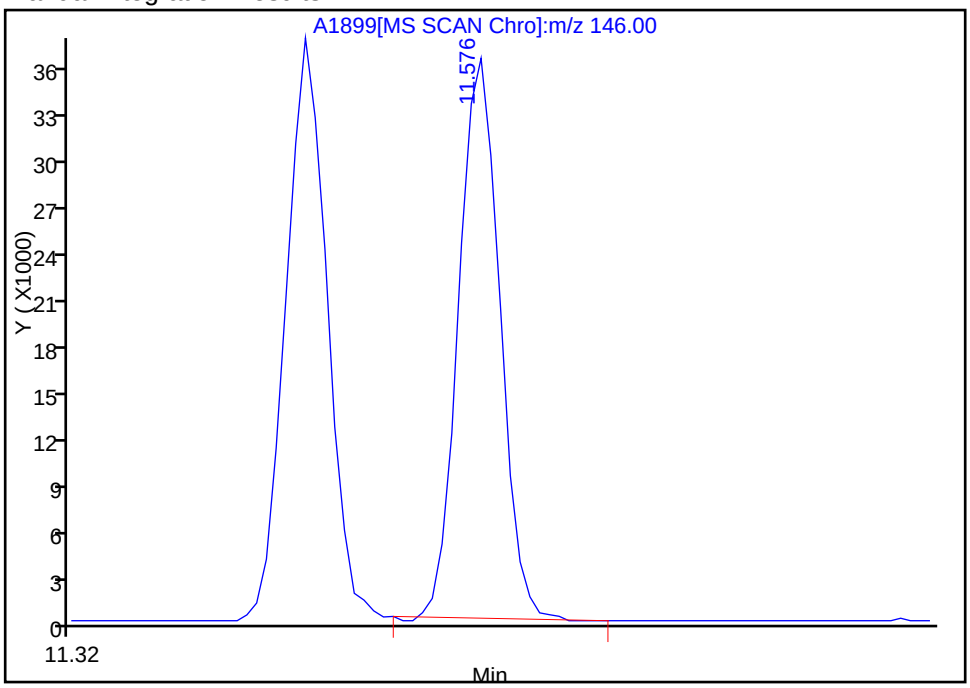
Processing Integration Results

Not Detected
Expected RT: 11.58



Manual Integration Results

RT: 11.58
Response: 64034
Amount: 9.490647



Reviewer: hallj, 17-Aug-2011 12:56:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

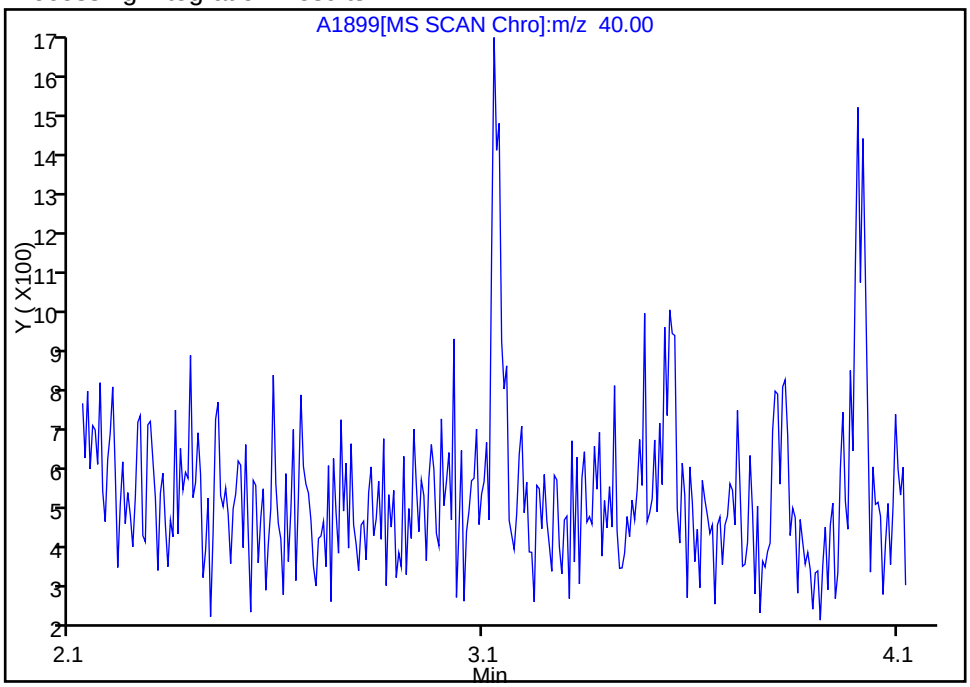
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D		
Injection Date:	17-Aug-2011 12:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	5
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

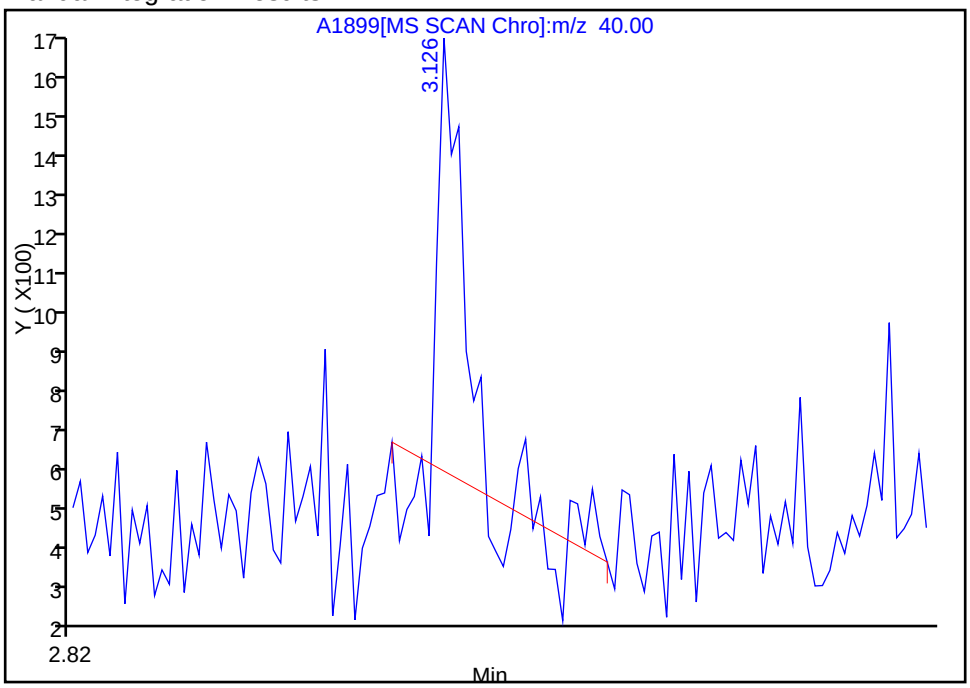
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 1141
Amount: 10.000000



Reviewer: hallj, 17-Aug-2011 12:56:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

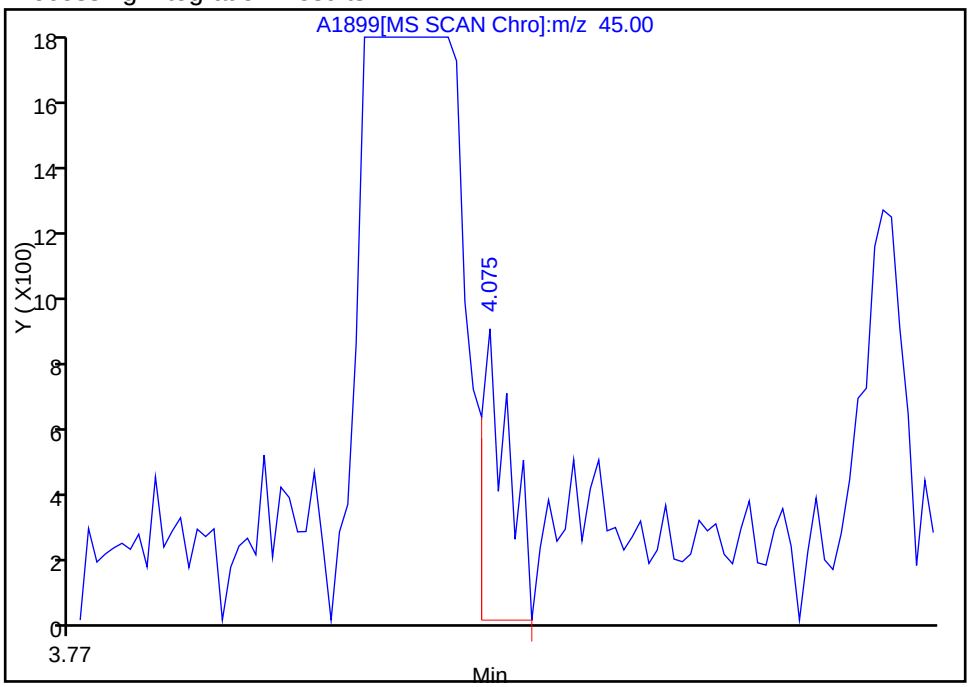
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D		
Injection Date:	17-Aug-2011 12:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	5
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

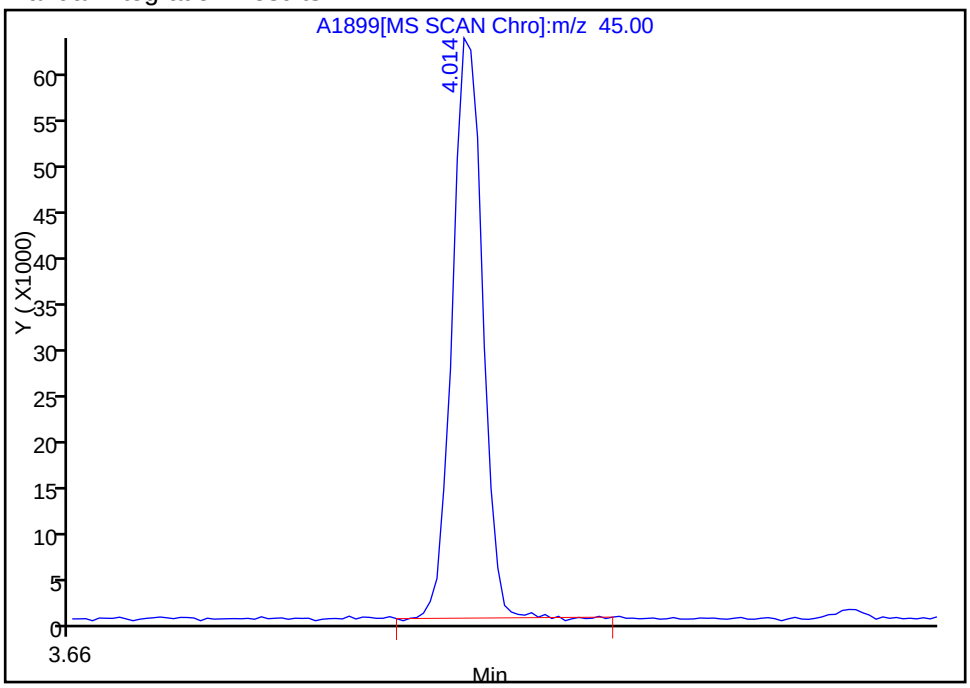
Processing Integration Results

RT: 4.07
Response: 1186
Amount: 0.134157



Manual Integration Results

RT: 4.01
Response: 119022
Amount: 9.321724



Reviewer: hallj, 17-Aug-2011 12:56:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D

Injection Date: 17-Aug-2011 12:19:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 5

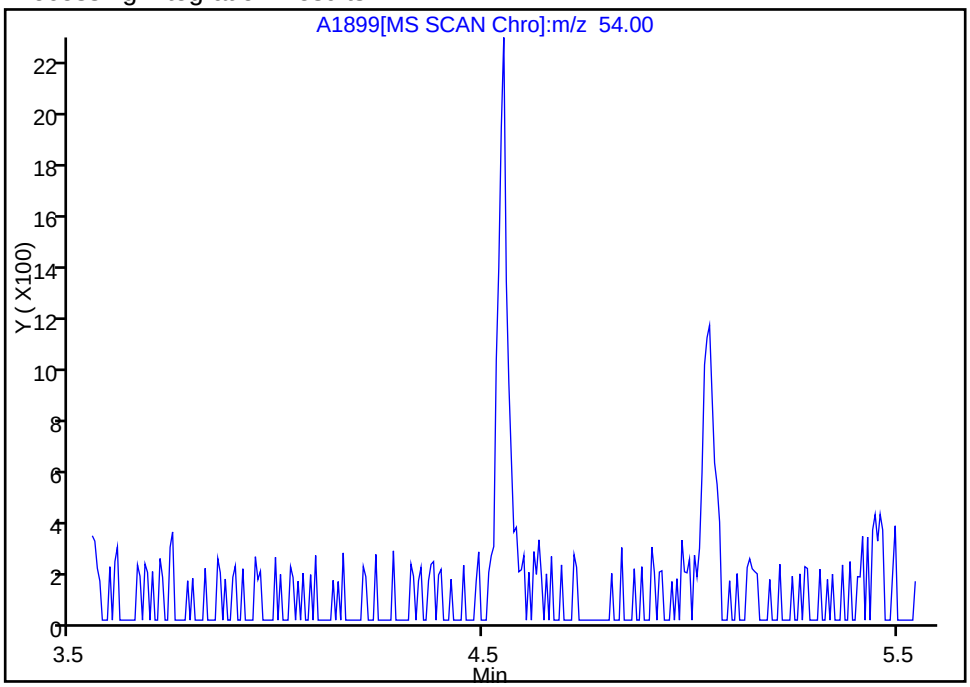
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Not Detected

Expected RT: 4.55

Processing Integration Results

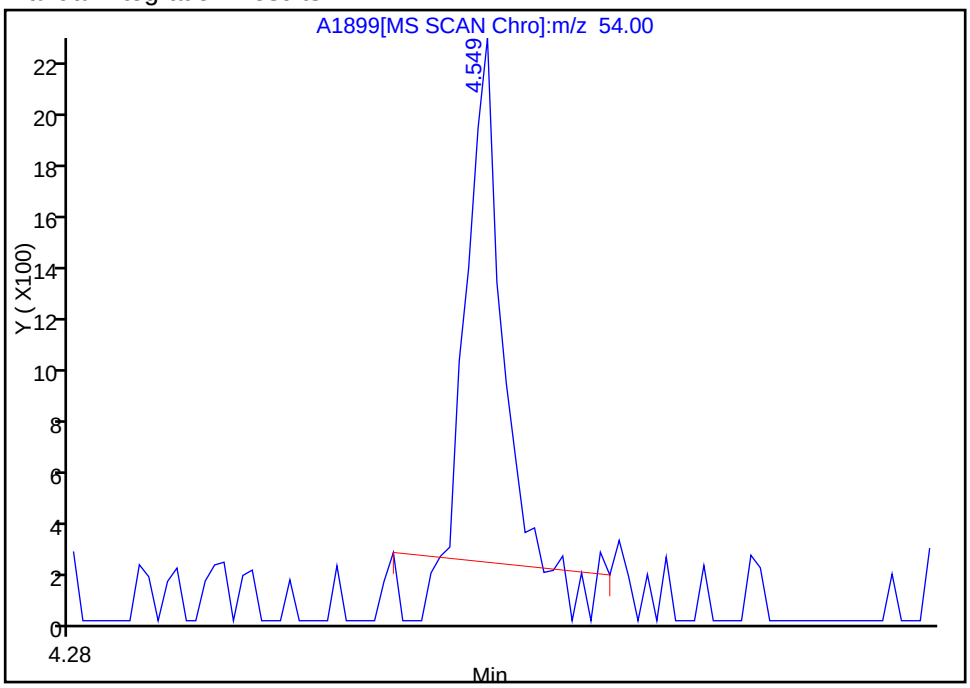


Manual Integration Results

RT: 4.55

Response: 2596

Amount: 8.297920



Reviewer: hallj, 17-Aug-2011 12:56:16

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 17-Aug-2011 12:56:16 Chrom Revision: 1.2 13-Jul-2011 10:43:06

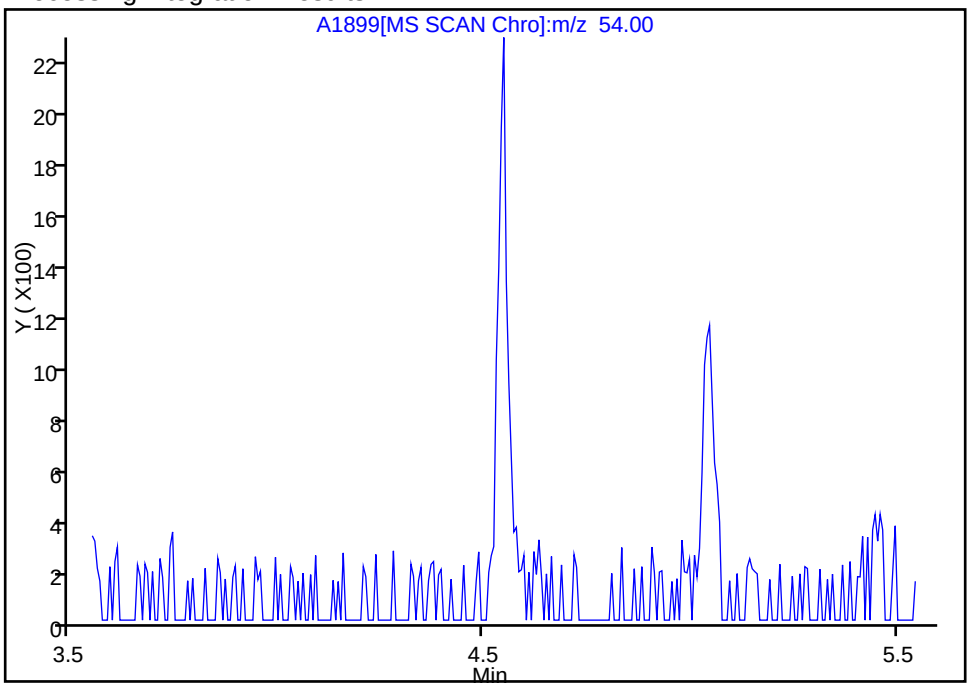
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1899.D		
Injection Date:	17-Aug-2011 12:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	5
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

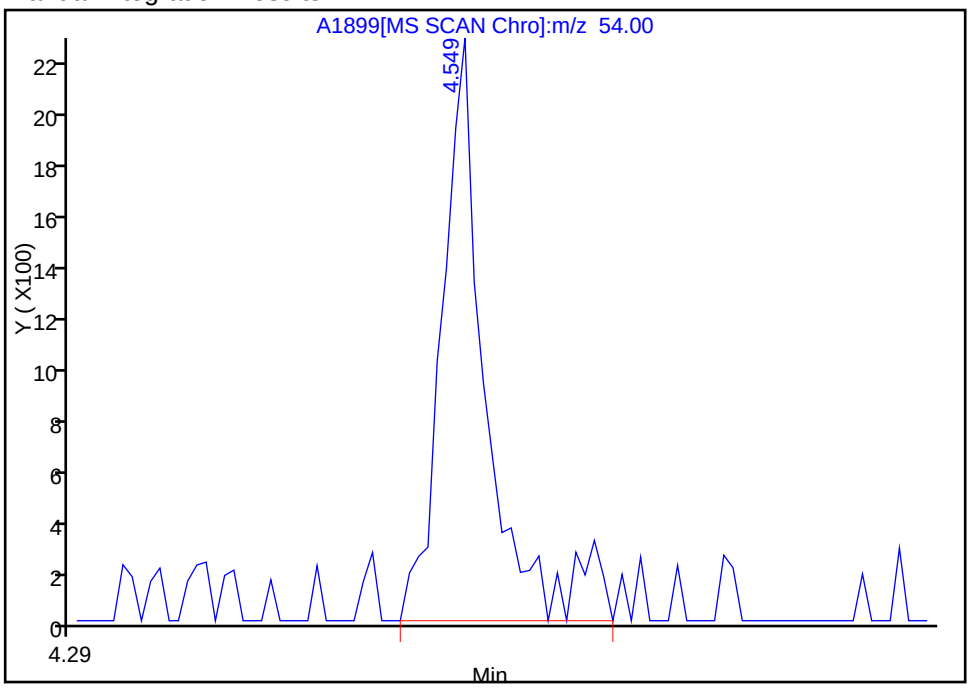
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 4630
Amount: 10.000000



Reviewer: hallj, 17-Aug-2011 12:56:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D
Lims ID: STD050 Client ID:
Inject. Date: 17-Aug-2011 13:24:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: STD050
Misc. Info.: 510-0005393-007 =510-0005393-007
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 85201 Lims Sample ID: 7
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 14:44:48 Calib Date: 17-Aug-2011 13:56:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 14:44:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.610	0.0	99	676768	50.0	
* 2 Chlorobenzene-d5	82	8.809	8.809	0.0	83	273222	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.547	0.0	94	210336	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.0	0	166906	50.3	
$ 7 Toluene-d8 (Surr)	98	7.234	7.234	0.0	92	650216	50.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.160	10.160	0.0	89	243590	51.1	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	87	223421	49.0	
13 Chloromethane	50	1.607	1.607	0.0	88	174147	49.2	
14 Vinyl chloride	62	1.704	1.704	0.0	82	171243	49.7	
15 Bromomethane	94	2.002	2.002	0.0	89	68135	44.7	
16 Chloroethane	64	2.105	2.105	0.0	94	135940	52.6	
17 Trichlorofluoromethane	101	2.349	2.349	0.0	79	267548	48.7	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.629	2.629	0.0	80	223837	53.1	
19 Acrolein	56	2.732	2.732	0.0	93	17563	47.9	
20 1,1-Dichloroethene	61	2.835	2.835	0.0	86	245651	47.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.848	2.848	0.0	91	110690	48.4	
22 Acetone	43	2.872	2.872	0.0	96	39701	49.0	
23 Iodomethane	142	2.975	2.975	0.0	97	141738	90.1	
24 Carbon disulfide	76	3.042	3.042	0.0	98	548232	46.5	
104 Acetonitrile	40	3.127	3.127	0.0	0	8578	50.0	M
25 Methyl acetate	43	3.188	3.188	0.0	95	127689	45.6	
26 Methylene Chloride	84	3.286	3.286	0.0	78	193214	50.9	
27 2-Methyl-2-propanol	59	3.383	3.383	0.0	98	38089	180.8	
28 Acrylonitrile	53	3.505	3.505	0.0	98	46902	53.4	
29 trans-1,2-Dichloroethene	61	3.547	3.547	0.0	78	246772	45.9	
30 Methyl tert-butyl ether	73	3.553	3.553	0.0	86	463801	47.6	
31 Hexane	57	3.821	3.821	0.0	93	82452	45.5	
32 1,1-Dichloroethane	63	3.943	3.943	0.0	83	305373	46.4	
33 Vinyl acetate	43	3.991	3.991	0.0	99	689896	94.0	
34 Isopropyl ether	45	4.016	4.016	0.0	9	520761	43.9	M

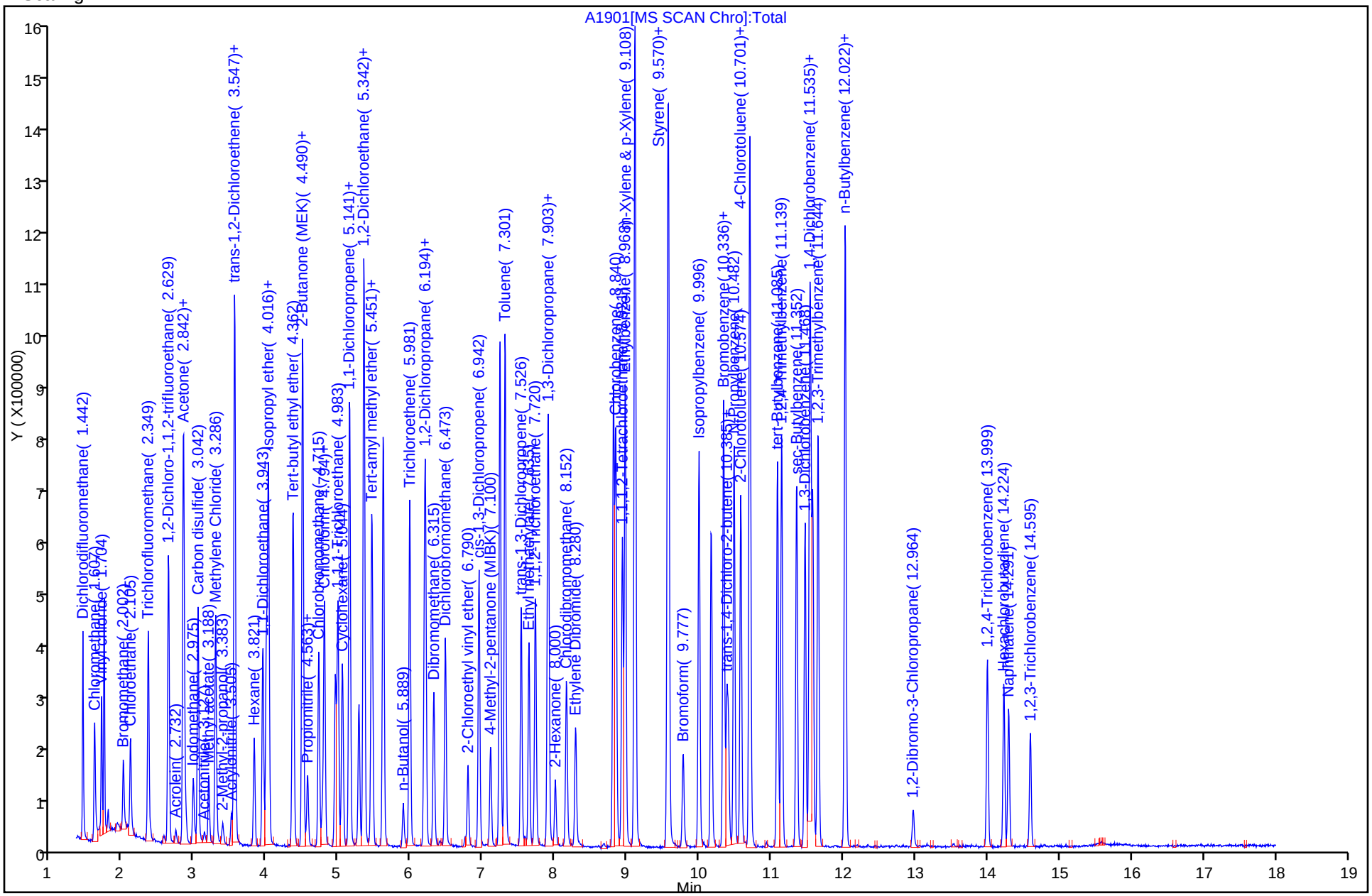
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.356	4.356	0.0	96	495147	47.3	
36 cis-1,2-Dichloroethene	61	4.490	4.490	0.0	84	268778	46.8	
37 2,2-Dichloropropane	77	4.496	4.496	0.0	74	255102	52.4	
38 2-Butanone (MEK)	43	4.496	4.496	0.0	41	53544	47.3	
103 Butadiene	54	4.545	4.545	0.0	0	13705	49.8	M
39 Propionitrile	54	4.545	4.545	0.0	0	14776	55.7	M
101 Ethyl acetate	43	4.563	4.563	0.0	0	119189	49.8	
40 Chlorobromomethane	130	4.715	4.715	0.0	82	136690	48.8	
41 Tetrahydrofuran	42	4.770	4.770	0.0	84	34594	52.4	
42 Chloroform	83	4.794	4.794	0.0	78	329552	51.2	
43 1,1,1-Trichloroethane	97	4.983	4.983	0.0	96	279750	47.0	
44 Cyclohexane	56	5.044	5.044	0.0	87	141770	50.6	
46 1,1-Dichloropropene	75	5.141	5.141	0.0	94	226172	45.6	
45 Carbon tetrachloride	117	5.147	5.147	0.0	83	223252	48.2	
47 Benzene	78	5.342	5.342	0.0	92	717834	49.0	
48 1,2-Dichloroethane	62	5.348	5.348	0.0	45	209547	47.4	
49 Tert-amyl methyl ether	73	5.451	5.451	0.0	98	491794	45.8	
50 Isobutyl alcohol	41	5.451	5.451	0.0	40	54190	51.7	
102 n-Butanol	56	5.889	5.889	0.0	0	46034	1057.2	
51 Trichloroethene	132	5.981	5.981	0.0	93	210712	47.4	
52 Methylcyclohexane	83	6.187	6.187	0.0	87	154678	45.7	
53 1,2-Dichloropropane	63	6.200	6.200	0.0	93	177561	47.2	
54 Dibromomethane	93	6.309	6.309	0.0	84	104968	48.3	
55 Dichlorobromomethane	83	6.473	6.473	0.0	99	243586	47.2	
56 2-Chloroethyl vinyl ether	63	6.790	6.790	0.0	83	61913	104.1	
60 cis-1,3-Dichloropropene	75	6.942	6.942	0.0	95	296551	49.9	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.100	0.0	95	109801	44.2	
59 Toluene	91	7.301	7.301	0.0	83	717019	44.9	
57 trans-1,3-Dichloropropene	75	7.526	7.526	0.0	87	249157	49.8	
61 Ethyl methacrylate	69	7.635	7.635	0.0	96	201864	45.3	
62 1,1,2-Trichloroethane	83	7.720	7.720	0.0	84	130550	47.2	
63 Tetrachloroethene	166	7.897	7.897	0.0	84	150854	44.5	
64 1,3-Dichloropropane	76	7.909	7.909	0.0	87	254461	46.7	
65 2-Hexanone	43	8.000	8.000	0.0	94	76895	43.5	
66 Chlorodibromomethane	129	8.152	8.152	0.0	88	190588	49.4	
67 Ethylene Dibromide	107	8.280	8.280	0.0	98	163552	47.4	
68 Chlorobenzene	112	8.840	8.840	0.0	92	476575	46.8	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.931	0.0	96	184638	48.4	
70 Ethylbenzene	91	8.968	8.968	0.0	97	671438	45.6	
71 m-Xylene & p-Xylene	91	9.108	9.108	0.0	0	994097	110.9	
72 o-Xylene	91	9.558	9.558	0.0	91	573124	46.2	
73 Styrene	104	9.576	9.576	0.0	92	476893	46.5	
74 Bromoform	173	9.777	9.777	0.0	98	94275	49.7	
75 Isopropylbenzene	105	9.996	9.996	0.0	96	549096	47.3	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.330	0.0	79	161148	48.1	
77 Bromobenzene	77	10.336	10.336	0.0	93	275573	46.7	
78 1,2,3-Trichloropropane	75	10.385	10.385	0.0	35	184355	50.0	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.403	0.0	68	37259	48.6	
80 N-Propylbenzene	91	10.482	10.482	0.0	96	635044	46.6	
81 2-Chlorotoluene	91	10.574	10.574	0.0	96	424408	46.9	
82 1,3,5-Trimethylbenzene	105	10.695	10.695	0.0	89	457973	46.5	
83 4-Chlorotoluene	91	10.701	10.701	0.0	94	472714	45.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.085	11.085	0.0	86	418900	47.5	
85 1,2,4-Trimethylbenzene	105	11.139	11.139	0.0	57	480550	46.3	
86 sec-Butylbenzene	105	11.352	11.352	0.0	93	535301	46.7	
87 1,3-Dichlorobenzene	146	11.468	11.468	0.0	97	293830	46.5	
88 4-Isopropyltoluene	119	11.529	11.529	0.0	90	456409	46.7	
89 1,4-Dichlorobenzene	146	11.571	11.571	0.0	89	290628	47.2	
99 1,2,3-Trimethylbenzene	105	11.644	11.644	0.0	0	501284	46.4	
91 1,2-Dichlorobenzene	146	12.022	12.022	0.0	85	276279	47.9	
90 n-Butylbenzene	91	12.028	12.028	0.0	96	382976	46.4	
92 1,2-Dibromo-3-Chloropropane	157	12.971	12.971	0.0	60	23659	48.8	
93 1,2,4-Trichlorobenzene	180	13.999	13.999	0.0	93	121793	48.3	
94 Hexachlorobutadiene	225	14.230	14.230	0.0	94	62091	47.7	
95 Naphthalene	128	14.291	14.291	0.0	98	239184	50.7	
96 1,2,3-Trichlorobenzene	180	14.595	14.595	0.0	96	72152	50.6	
S 97 Total 1,2-dichloroethene	100				0		92.7	
S 98 Xylenes, Total	100				0		157.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D
Injection Date: 17-Aug-2011 13:24:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 7
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

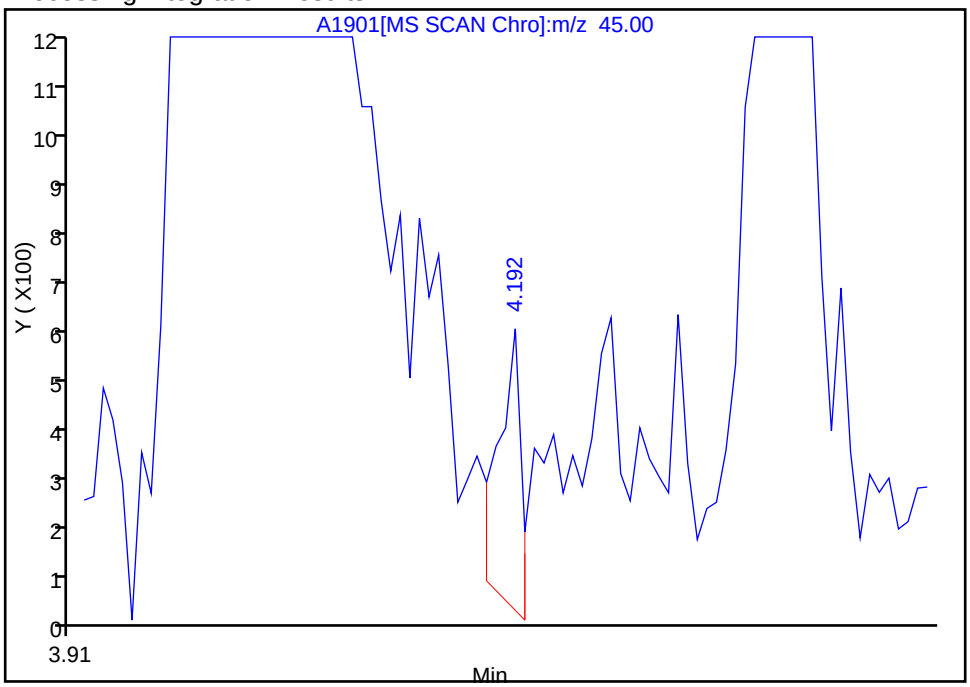
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D		
Injection Date:	17-Aug-2011 13:24:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	7
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

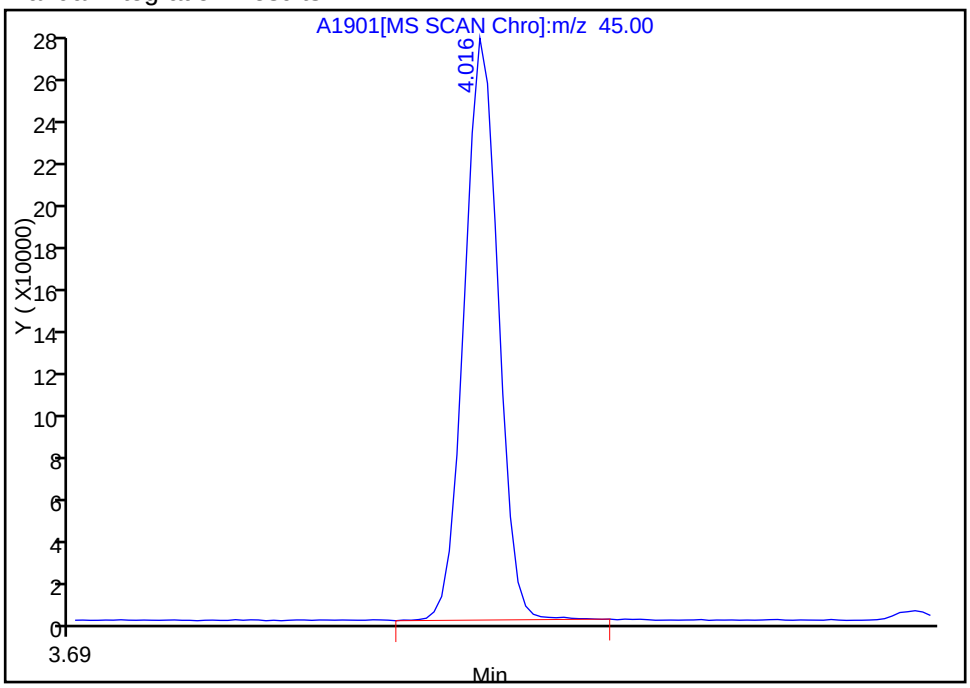
Processing Integration Results

RT: 4.19
Response: 547
Amount: 0.059091



Manual Integration Results

RT: 4.02
Response: 520761
Amount: 43.916721



Reviewer: hallj, 17-Aug-2011 14:44:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D

Injection Date: 17-Aug-2011 13:24:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 7

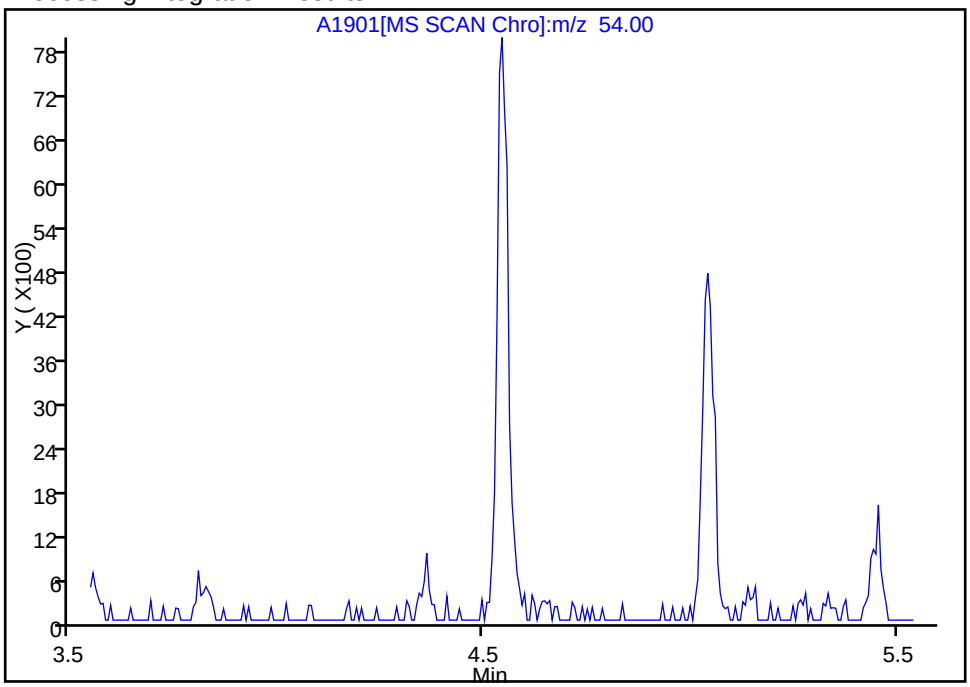
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Not Detected

Expected RT: 4.54

Processing Integration Results

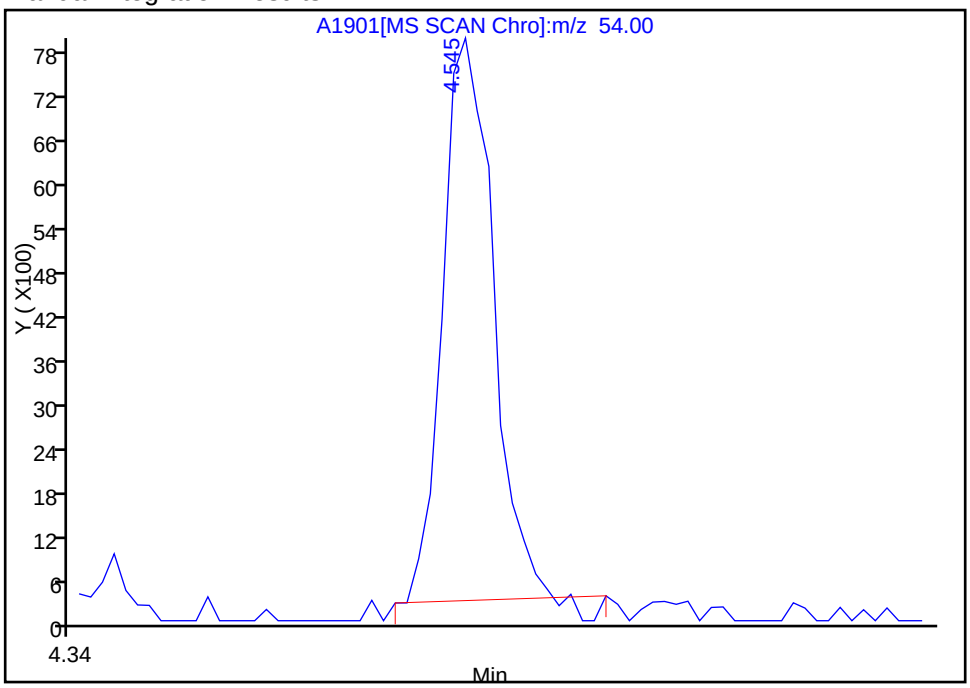


Manual Integration Results

RT: 4.54

Response: 13705

Amount: 49.806554



Reviewer: hallj, 17-Aug-2011 14:44:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D

Injection Date: 17-Aug-2011 13:24:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 7

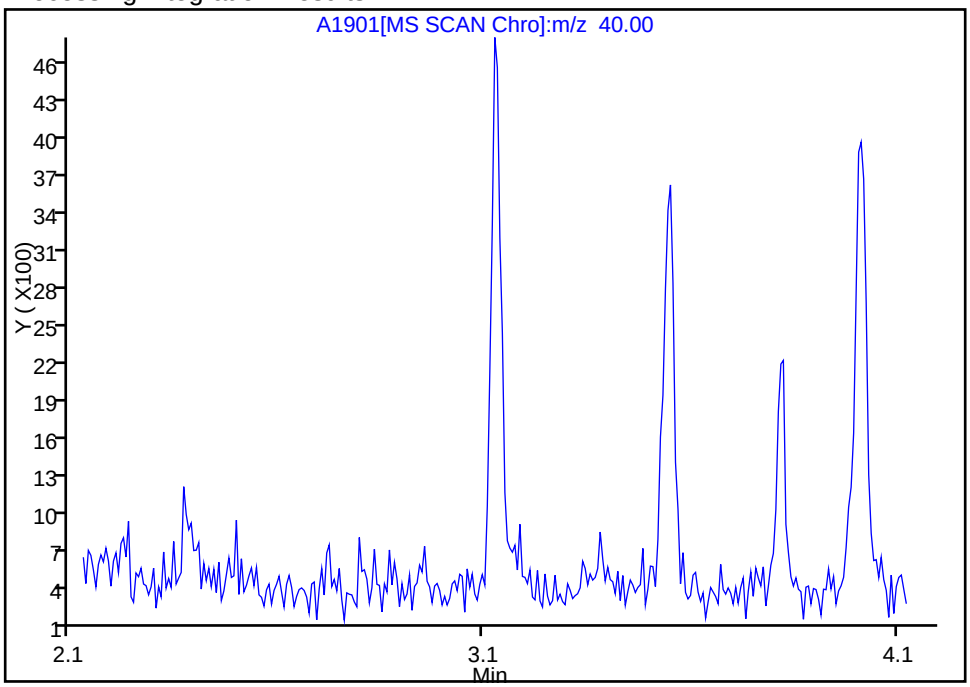
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

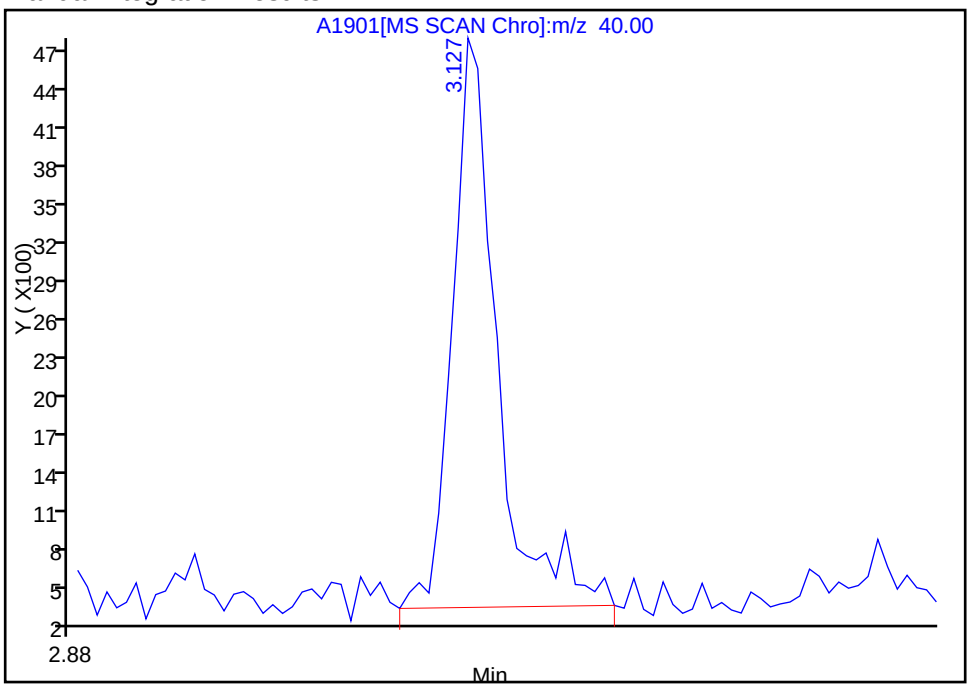


Manual Integration Results

RT: 3.13

Response: 8578

Amount: 50.000000



Reviewer: hallj, 17-Aug-2011 14:44:47

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:44:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

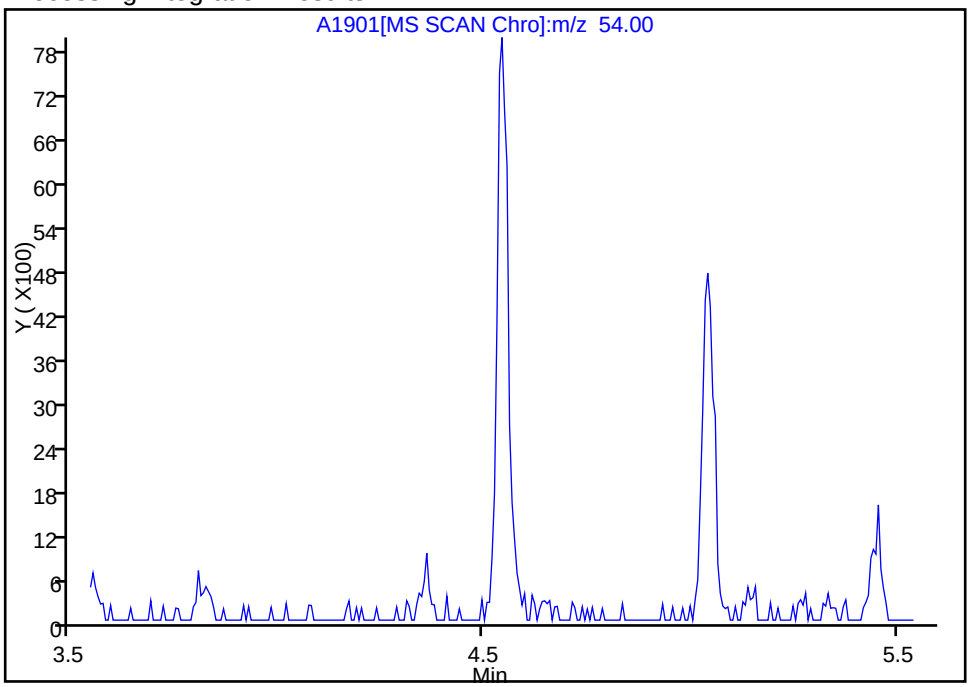
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1901.D		
Injection Date:	17-Aug-2011 13:24:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	7
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

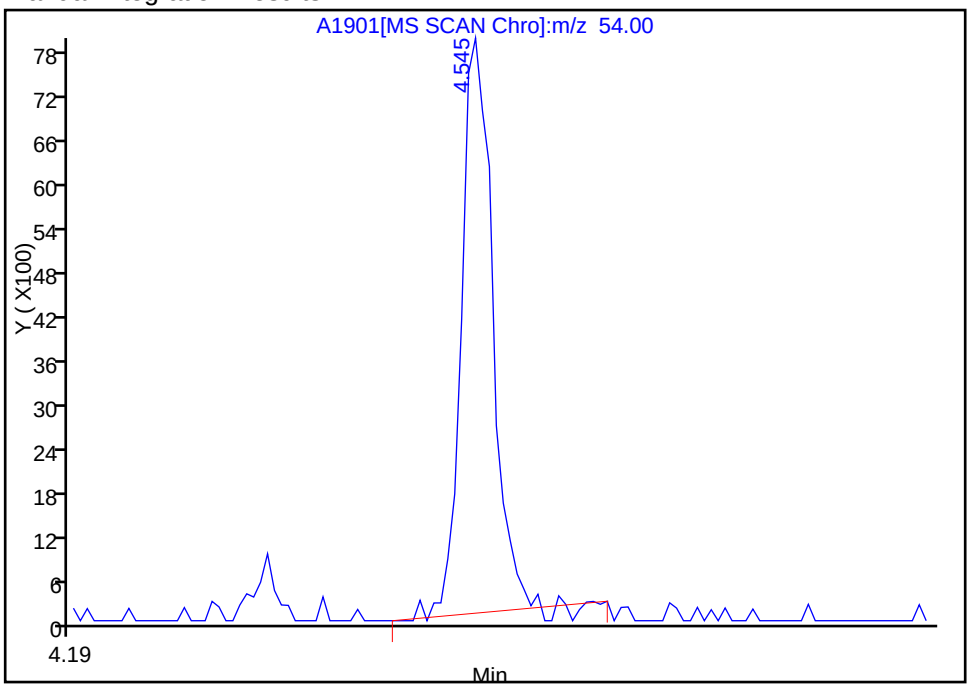
Processing Integration Results

Not Detected
Expected RT: 4.54



Manual Integration Results

RT: 4.54
Response: 14776
Amount: 55.701332



Reviewer: hallj, 17-Aug-2011 14:44:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D
Lims ID: STD100 Client ID:
Inject. Date: 17-Aug-2011 13:56:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD100
Misc. Info.: 510-0005393-008 =510-0005393-008
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 21
Lims Batch ID: 85201 Lims Sample ID: 8
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 14:46:15 Calib Date: 17-Aug-2011 13:56:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 14:46:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.615	5.610	0.005	99	668173	50.0	
* 2 Chlorobenzene-d5	82	8.809	8.809	0.0	81	274686	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.547	-0.001	94	208563	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.275	-0.001	0	161825	49.4	
$ 7 Toluene-d8 (Surr)	98	7.233	7.234	-0.001	92	642179	50.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.160	0.005	90	240746	50.9	
12 Dichlorodifluoromethane	85	1.442	1.442	0.0	88	425652	94.5	
13 Chloromethane	50	1.606	1.607	-0.001	88	334659	95.9	
14 Vinyl chloride	62	1.703	1.704	-0.001	83	320148	94.2	
15 Bromomethane	94	2.001	2.002	-0.001	89	162301	102.7	
16 Chloroethane	64	2.099	2.105	-0.006	95	250369	99.2	
17 Trichlorofluoromethane	101	2.348	2.349	-0.001	79	500359	92.3	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.628	2.629	-0.001	81	407787	98.7	
19 Acrolein	56	2.731	2.732	-0.001	95	35954	101.4	
20 1,1-Dichloroethene	61	2.835	2.835	0.0	84	446773	86.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.847	2.848	-0.001	84	212680	94.2	
22 Acetone	43	2.871	2.872	-0.001	96	94992	100.1	
23 Iodomethane	142	2.975	2.975	0.0	99	276966	178.4	
24 Carbon disulfide	76	3.041	3.042	-0.001	99	998185	85.7	
104 Acetonitrile	40	3.133	3.133	0.0	0	14046	100.0	M
25 Methyl acetate	43	3.187	3.188	-0.001	95	238682	86.2	
26 Methylene Chloride	84	3.285	3.286	-0.001	78	362096	97.4	
27 2-Methyl-2-propanol	59	3.382	3.383	-0.001	98	71555	344.1	
28 Acrylonitrile	53	3.504	3.505	-0.001	98	81150	94.6	
29 trans-1,2-Dichloroethene	61	3.546	3.547	-0.001	80	459070	86.4	
30 Methyl tert-butyl ether	73	3.552	3.553	-0.001	89	835854	86.9	
31 Hexane	57	3.820	3.821	-0.001	92	159059	88.9	
32 1,1-Dichloroethane	63	3.942	3.943	-0.001	95	573689	88.3	
33 Vinyl acetate	43	3.990	3.991	-0.001	99	1234185	170.4	
34 Isopropyl ether	45	4.015	4.015	0.0	0	936084	83.3	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.362	4.356	0.006	94	907411	87.9	
36 cis-1,2-Dichloroethene	61	4.489	4.490	-0.001	83	500491	88.3	
37 2,2-Dichloropropane	77	4.495	4.496	-0.001	74	469975	98.8	
38 2-Butanone (MEK)	43	4.495	4.496	-0.001	43	110252	101.1	
103 Butadiene	54	4.544	4.544	0.0	0	27241	100.1	M
39 Propionitrile	54	4.544	4.544	0.0	1	25758	97.8	M
101 Ethyl acetate	43	4.562	4.563	-0.001	0	226025	96.6	
40 Chlorobromomethane	130	4.714	4.715	-0.001	82	251903	91.1	
41 Tetrahydrofuran	42	4.769	4.770	-0.001	88	63055	98.7	
42 Chloroform	83	4.794	4.794	0.0	79	607683	96.6	
43 1,1,1-Trichloroethane	97	4.982	4.983	-0.001	90	531913	90.4	
44 Cyclohexane	56	5.043	5.044	-0.001	87	275312	100.4	
46 1,1-Dichloropropene	75	5.140	5.141	-0.001	92	423924	86.5	
45 Carbon tetrachloride	117	5.146	5.147	-0.001	83	421894	92.2	
47 Benzene	78	5.341	5.342	-0.001	93	1292375	89.7	
48 1,2-Dichloroethane	62	5.347	5.348	-0.001	45	392198	89.9	
49 Tert-amyl methyl ether	73	5.451	5.451	0.0	97	889699	83.9	
50 Isobutyl alcohol	41	5.451	5.451	0.0	41	98843	96.5	
102 n-Butanol	56	5.889	5.889	0.0	0	58849	1352.9	
51 Trichloroethene	132	5.980	5.981	-0.001	87	402064	91.5	
52 Methylcyclohexane	83	6.181	6.187	-0.006	92	303803	90.8	
53 1,2-Dichloropropane	63	6.199	6.200	-0.001	89	332600	89.6	
54 Dibromomethane	93	6.314	6.309	0.005	89	202587	94.4	
55 Dichlorobromomethane	83	6.473	6.473	0.0	93	470292	92.3	
56 2-Chloroethyl vinyl ether	63	6.789	6.790	-0.001	87	116476	198.0	
60 cis-1,3-Dichloropropene	75	6.941	6.942	-0.001	93	564305	96.1	
58 4-Methyl-2-pentanone (MIBK)	43	7.099	7.100	-0.001	96	211538	86.3	
59 Toluene	91	7.300	7.301	-0.001	94	1303395	82.7	
57 trans-1,3-Dichloropropene	75	7.525	7.526	-0.001	87	473924	96.0	
61 Ethyl methacrylate	69	7.634	7.635	-0.001	95	392057	89.1	
62 1,1,2-Trichloroethane	83	7.726	7.720	0.006	84	245692	90.0	
63 Tetrachloroethene	166	7.896	7.897	-0.001	88	289905	86.7	
64 1,3-Dichloropropane	76	7.908	7.909	-0.001	88	476539	88.6	
65 2-Hexanone	43	7.999	8.000	-0.001	93	153612	88.0	
66 Chlorodibromomethane	129	8.158	8.152	0.006	86	369923	97.0	
67 Ethylene Dibromide	107	8.279	8.280	-0.001	100	315035	92.5	
68 Chlorobenzene	112	8.839	8.840	-0.001	93	870782	85.0	
69 1,1,1,2-Tetrachloroethane	131	8.930	8.931	-0.001	90	354429	92.5	
70 Ethylbenzene	91	8.973	8.968	0.005	96	1206338	81.5	
71 m-Xylene & p-Xylene	91	9.107	9.108	-0.001	0	1712077	194.6	
72 o-Xylene	91	9.563	9.558	0.005	87	1050204	84.2	
73 Styrene	104	9.575	9.576	-0.001	92	890515	86.4	
74 Bromoform	173	9.776	9.777	-0.001	97	186423	97.8	
75 Isopropylbenzene	105	9.995	9.996	-0.001	95	1015006	88.1	
76 1,1,2,2-Tetrachloroethane	83	10.336	10.330	0.006	70	303166	91.2	
77 Bromobenzene	77	10.336	10.336	0.0	91	512959	87.6	
78 1,2,3-Trichloropropane	75	10.384	10.385	-0.001	28	356970	97.6	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.403	-0.001	47	70027	92.1	
80 N-Propylbenzene	91	10.482	10.482	0.0	95	1156938	85.6	
81 2-Chlorotoluene	91	10.573	10.574	-0.001	96	761838	84.9	
82 1,3,5-Trimethylbenzene	105	10.694	10.695	-0.001	90	857445	87.7	
83 4-Chlorotoluene	91	10.701	10.701	0.0	95	869491	84.7	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 tert-Butylbenzene	119	11.084	11.085	-0.001	87	779106	89.1	
	85 1,2,4-Trimethylbenzene	105	11.145	11.139	0.006	59	887863	86.2	
	86 sec-Butylbenzene	105	11.351	11.352	-0.001	94	992621	87.2	
	87 1,3-Dichlorobenzene	146	11.467	11.468	-0.001	96	566635	90.3	
	88 4-Isopropyltoluene	119	11.528	11.529	-0.001	88	863942	89.1	
	89 1,4-Dichlorobenzene	146	11.577	11.571	0.006	88	550218	90.2	
	99 1,2,3-Trimethylbenzene	105	11.650	11.644	0.006	0	923438	86.2	
	91 1,2-Dichlorobenzene	146	12.021	12.022	-0.001	86	522657	91.4	
	90 n-Butylbenzene	91	12.027	12.028	-0.001	96	729464	89.0	
	92 1,2-Dibromo-3-Chloropropane	157	12.970	12.971	-0.001	57	46923	97.7	
	93 1,2,4-Trichlorobenzene	180	13.998	13.999	-0.001	94	239789	95.9	
	94 Hexachlorobutadiene	225	14.229	14.230	-0.001	95	122108	94.5	
	95 Naphthalene	128	14.296	14.291	0.005	98	467352	101.1	
	96 1,2,3-Trichlorobenzene	180	14.594	14.595	-0.001	92	146227	104.4	
S	97 Total 1,2-dichloroethene	100				0		174.7	
S	98 Xylenes, Total	100				0		278.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D

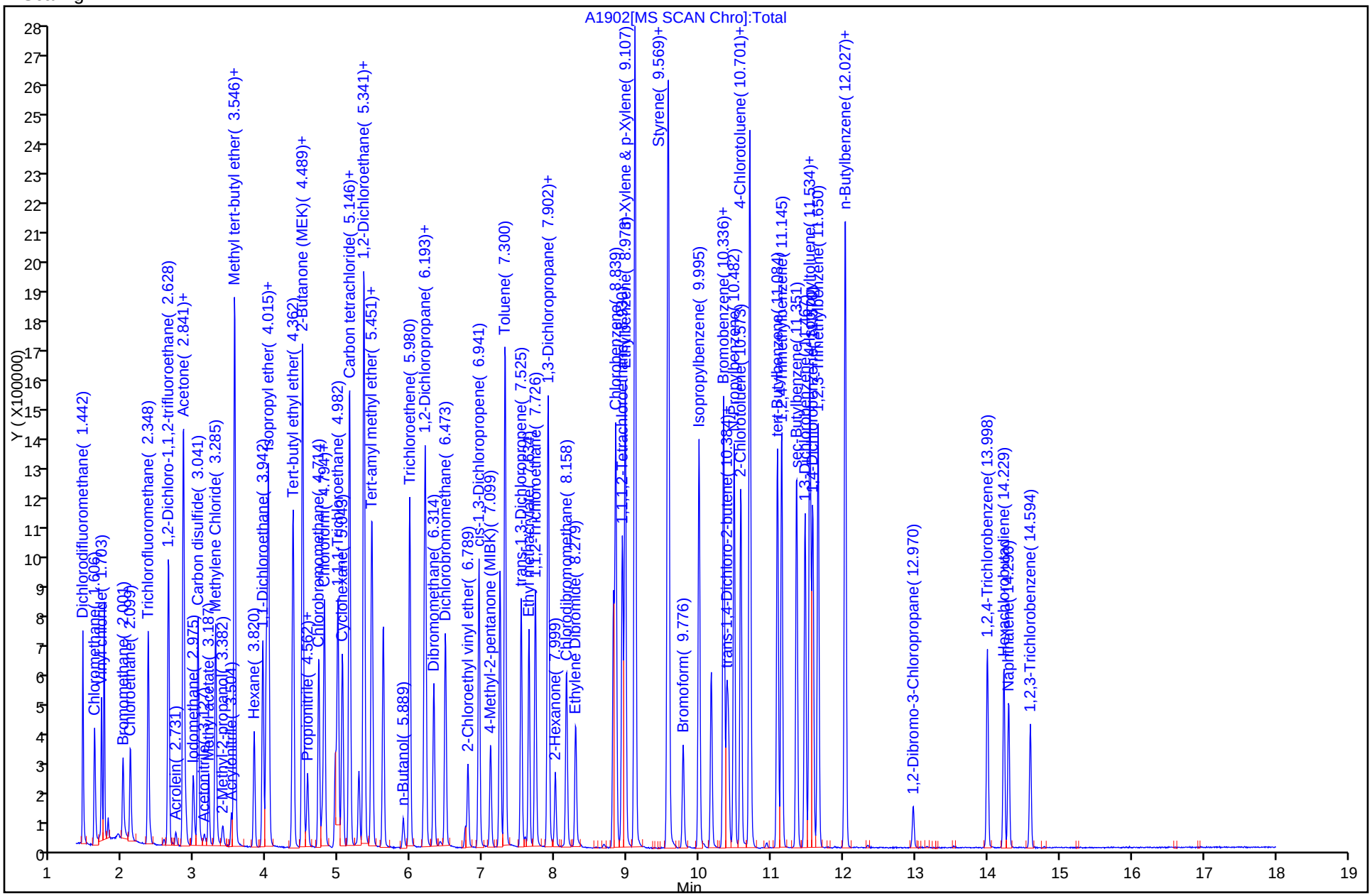
Injection Date: 17-Aug-2011 13:56:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 8

Operator ID: JLH

Y Scaling:



Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

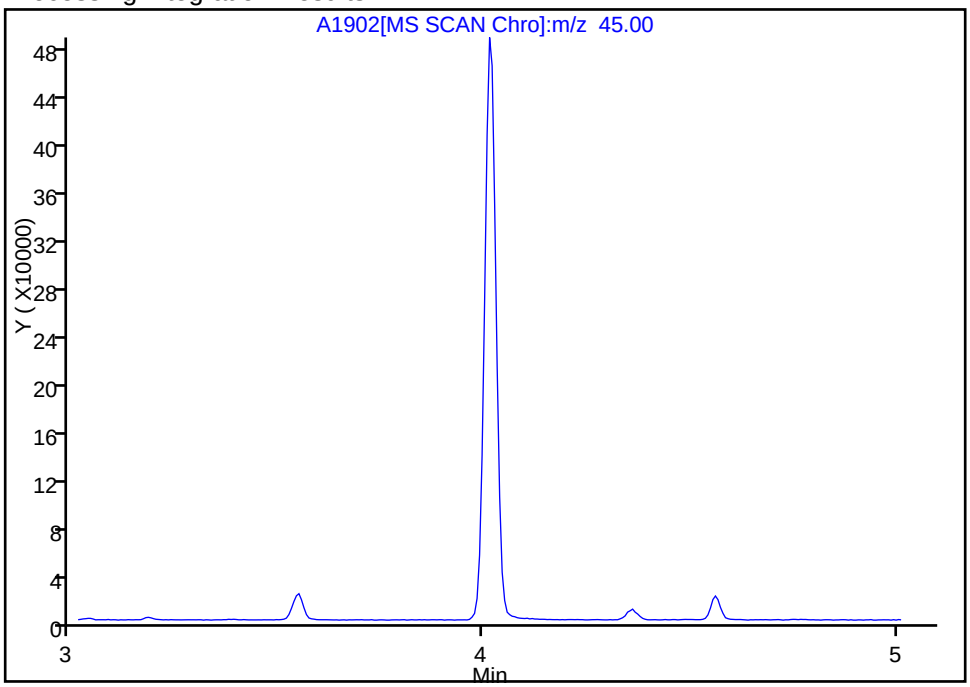
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D		
Injection Date:	17-Aug-2011 13:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	8
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

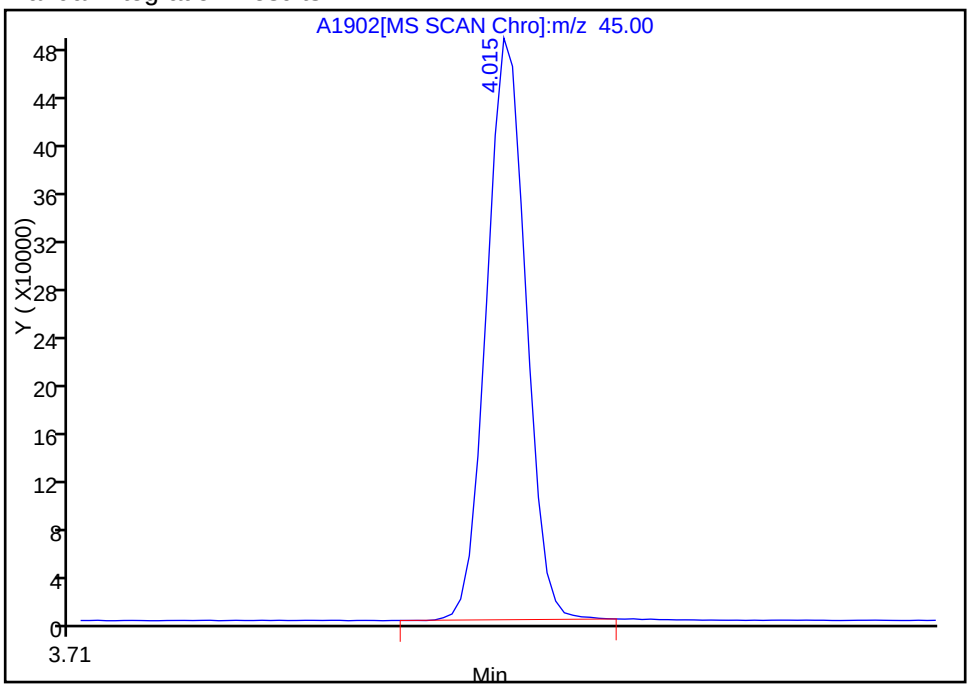
Processing Integration Results

Not Detected
Expected RT: 4.01



Manual Integration Results

RT: 4.01
Response: 936084
Amount: 83.296112



Reviewer: hallj, 17-Aug-2011 14:46:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

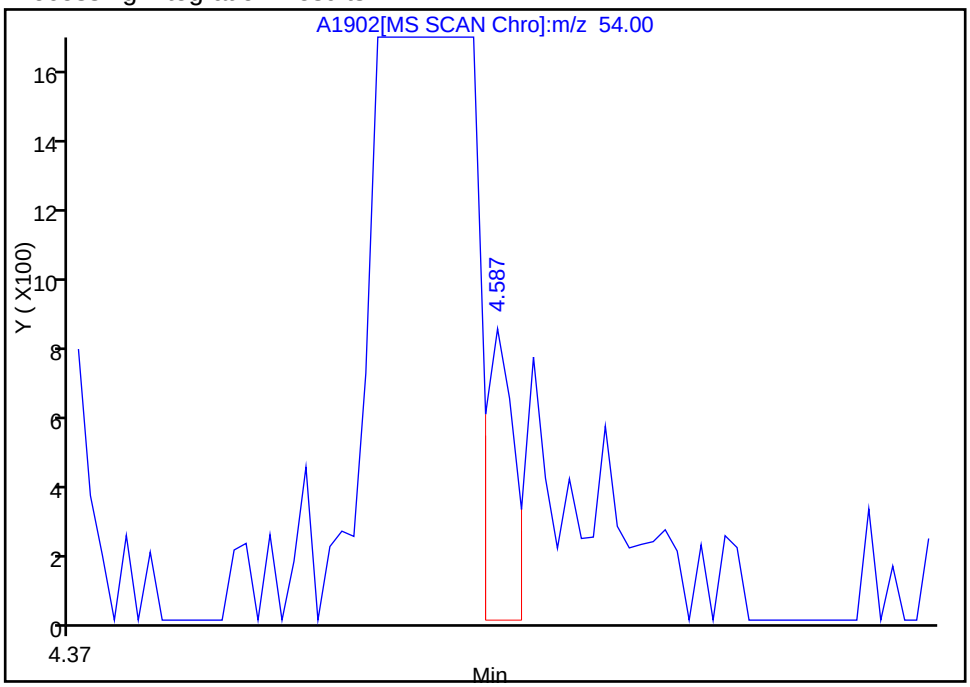
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D		
Injection Date:	17-Aug-2011 13:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	8
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

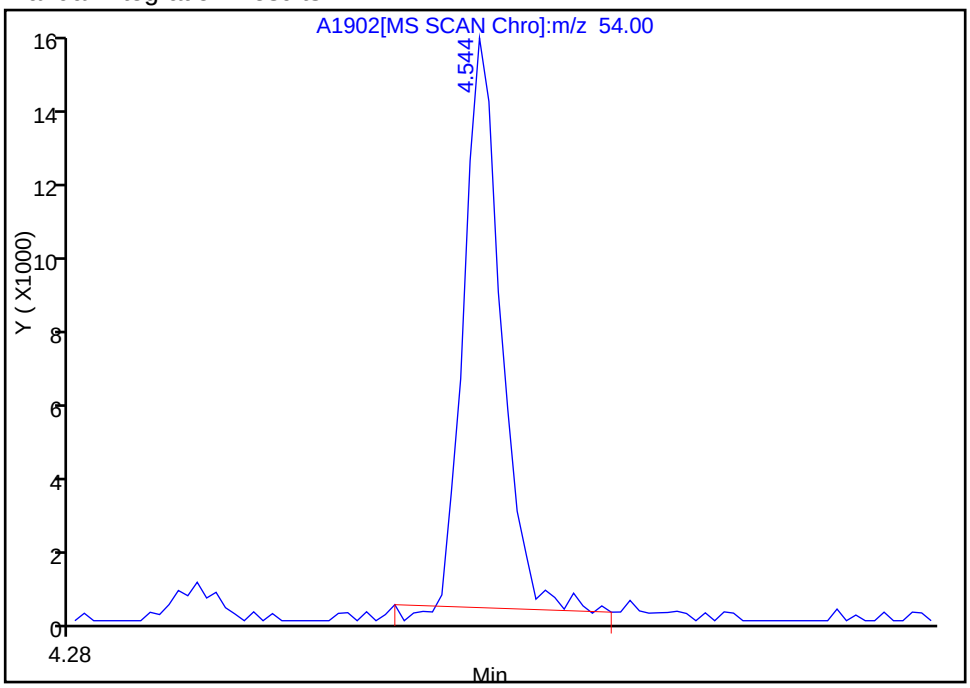
Processing Integration Results

RT: 4.59
Response: 868
Amount: 3.299930



Manual Integration Results

RT: 4.54
Response: 25758
Amount: 97.803931



Reviewer: hallj, 17-Aug-2011 14:46:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

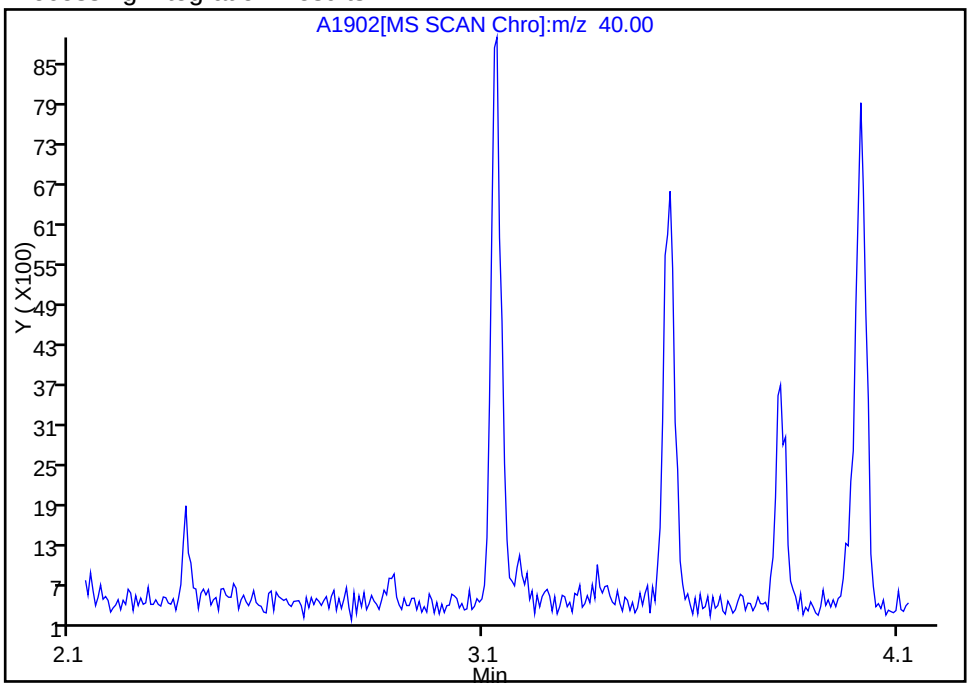
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D		
Injection Date:	17-Aug-2011 13:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	8
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

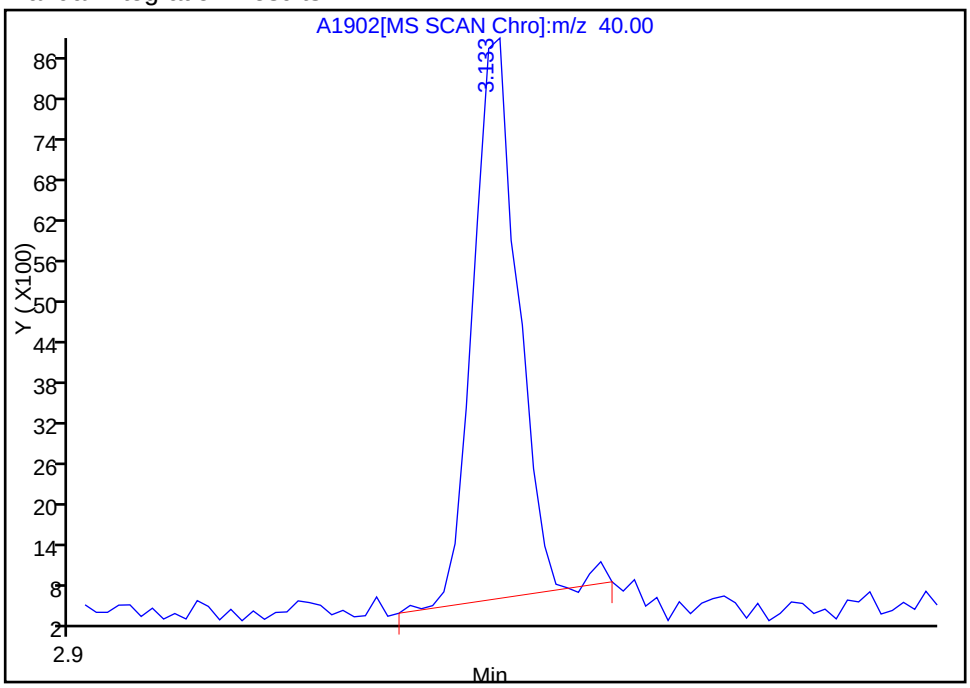
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 14046
Amount: 100.0000



Reviewer: hallj, 17-Aug-2011 14:46:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 14:46:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

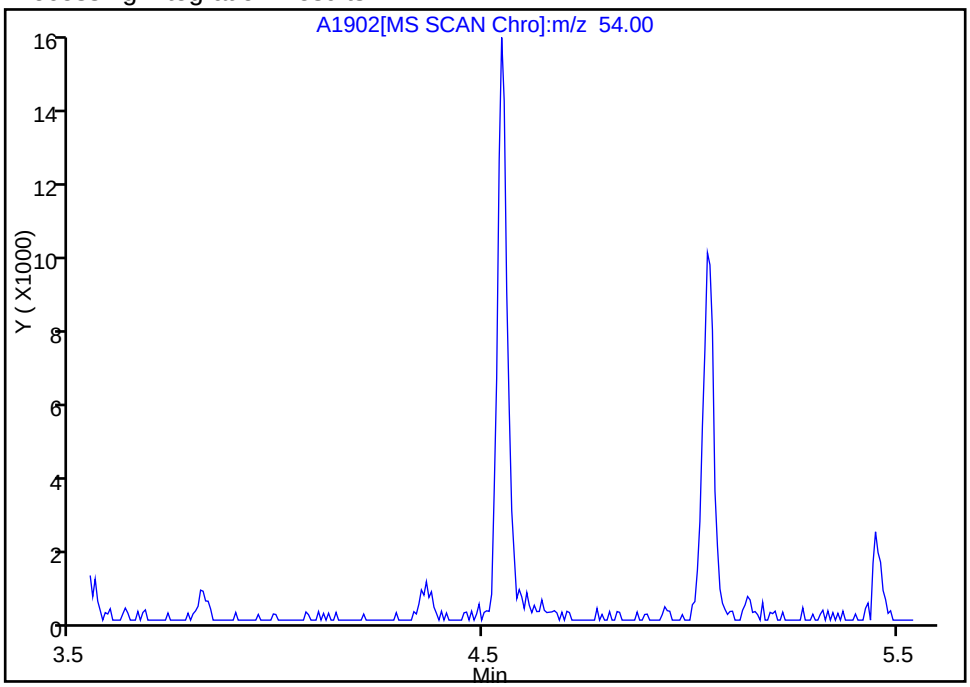
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1902.D		
Injection Date:	17-Aug-2011 13:56:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	8
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

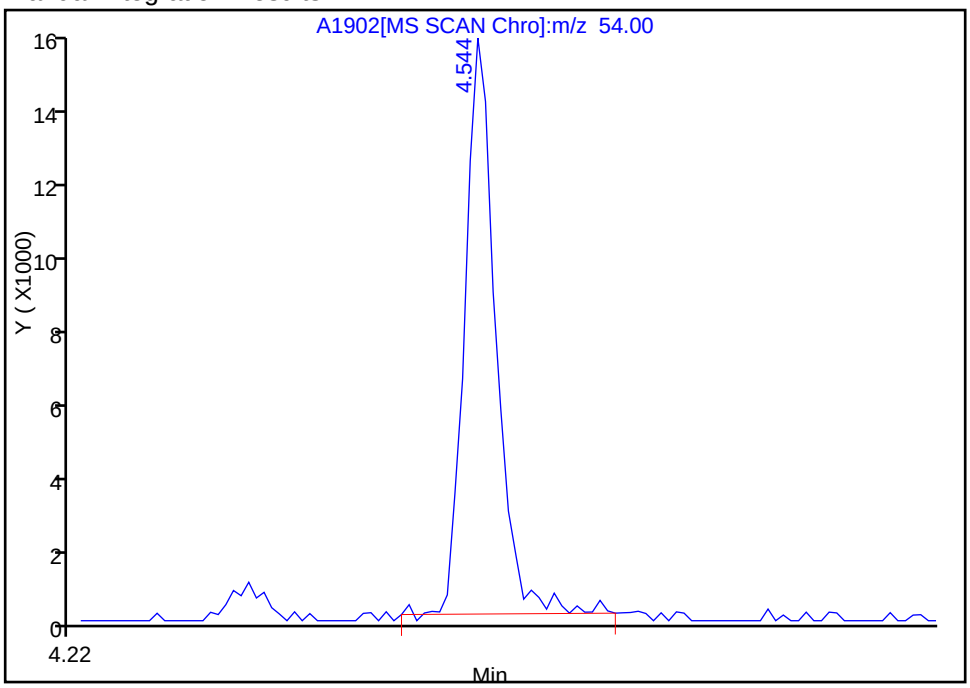
Processing Integration Results

Not Detected
Expected RT: 4.54



Manual Integration Results

RT: 4.54
Response: 27241
Amount: 100.0587



Reviewer: hallj, 17-Aug-2011 14:46:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 15:19:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D
Lims ID: STD150 Client ID:
Inject. Date: 17-Aug-2011 14:28:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD150
Misc. Info.: 510-0005393-009 =510-0005393-009
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 85201 Lims Sample ID: 9
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 15:19:36 Calib Date: 17-Aug-2011 14:28:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 15:19:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.610	0.0	99	667413	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.809	-0.005	84	275104	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.547	0.0	84	206602	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.0	0	160674	49.2	
$ 7 Toluene-d8 (Surr)	98	7.234	7.234	0.0	91	642120	50.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.166	10.160	0.006	90	242768	51.6	
12 Dichlorodifluoromethane	85	1.443	1.442	0.001	88	611043	138.0	
13 Chloromethane	50	1.607	1.607	0.0	88	503006	145.2	
14 Vinyl chloride	62	1.704	1.704	0.0	82	467503	139.6	
15 Bromomethane	94	1.996	2.002	-0.006	90	269569	155.3	
16 Chloroethane	64	2.100	2.105	-0.005	95	366924	147.1	
17 Trichlorofluoromethane	101	2.349	2.349	0.0	78	723652	136.1	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.629	2.629	0.0	79	599156	146.7	
19 Acrolein	56	2.732	2.732	0.0	95	49467	147.2	
20 1,1-Dichloroethene	61	2.836	2.835	0.001	84	633502	126.8	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.842	2.848	-0.006	77	309692	139.3	
22 Acetone	43	2.872	2.872	0.0	97	155392	156.0	
23 Iodomethane	142	2.976	2.975	0.001	99	430376	243.1	
24 Carbon disulfide	76	3.043	3.042	0.0	99	1397058	124.2	
104 Acetonitrile	40	3.128	3.128	0.0	0	19871	152.0	M
25 Methyl acetate	43	3.189	3.188	0.0	95	352054	130.6	
26 Methylene Chloride	84	3.286	3.286	0.0	78	514464	141.7	
27 2-Methyl-2-propanol	59	3.383	3.383	0.0	100	109672	538.8	
28 Acrylonitrile	53	3.505	3.505	0.0	100	121712	144.6	
29 trans-1,2-Dichloroethene	61	3.547	3.547	0.0	81	644145	125.4	
30 Methyl tert-butyl ether	73	3.547	3.553	-0.006	88	1172871	126.0	
31 Hexane	57	3.821	3.821	0.0	92	232949	133.3	
32 1,1-Dichloroethane	63	3.937	3.943	-0.006	83	817166	129.4	
33 Vinyl acetate	43	3.992	3.991	0.001	98	1663527	239.2	
34 Isopropyl ether	45	4.016	4.016	0.0	22	1295687	133.9	M

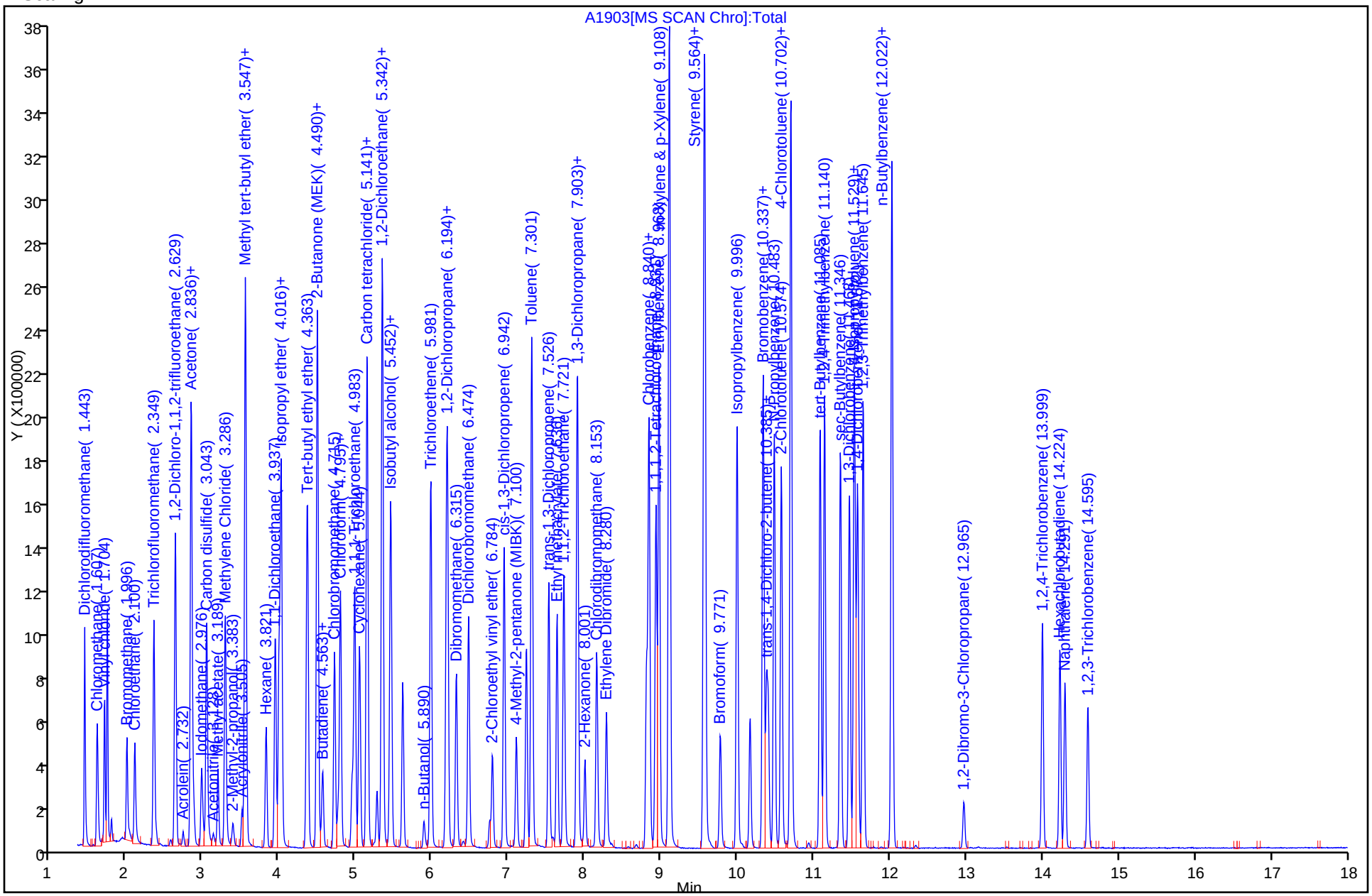
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.357	4.356	0.001	93	1264989	126.5	
36 cis-1,2-Dichloroethene	61	4.490	4.490	0.0	84	712023	129.3	
37 2,2-Dichloropropane	77	4.490	4.496	-0.006	68	656342	146.1	
38 2-Butanone (MEK)	43	4.496	4.496	0.0	45	173275	153.2	
103 Butadiene	54	4.545	4.545	0.0	0	40027	149.2	M
39 Propionitrile	54	4.545	4.544	0.001	61	41198	152.8	
101 Ethyl acetate	43	4.563	4.563	0.0	0	316815	139.4	
40 Chlorobromomethane	130	4.715	4.715	0.0	81	355121	131.7	
41 Tetrahydrofuran	42	4.764	4.770	-0.006	83	94341	150.2	
42 Chloroform	83	4.795	4.794	0.001	78	860308	140.4	
43 1,1,1-Trichloroethane	97	4.983	4.983	0.0	96	760627	132.5	
44 Cyclohexane	56	5.044	5.044	0.0	86	390073	144.6	
46 1,1-Dichloropropene	75	5.141	5.141	0.0	92	606981	127.7	
45 Carbon tetrachloride	117	5.147	5.147	0.0	82	603098	134.7	
47 Benzene	78	5.342	5.342	0.0	94	1764063	144.7	
48 1,2-Dichloroethane	62	5.348	5.348	0.0	48	553952	130.4	
49 Tert-amyl methyl ether	73	5.452	5.451	0.001	97	1262103	137.5	
50 Isobutyl alcohol	41	5.452	5.451	0.001	41	138005	139.0	
102 n-Butanol	56	5.890	5.889	0.001	0	75602	1703.3	
51 Trichloroethene	132	5.981	5.981	0.0	88	583938	135.6	
52 Methylcyclohexane	83	6.182	6.187	-0.005	91	437913	133.9	
53 1,2-Dichloropropane	63	6.200	6.200	0.0	90	476543	131.6	
54 Dibromomethane	93	6.315	6.309	0.006	88	295086	139.6	
55 Dichlorobromomethane	83	6.474	6.473	0.001	92	683637	136.7	
56 2-Chloroethyl vinyl ether	63	6.784	6.790	-0.006	81	184555	304.3	
60 cis-1,3-Dichloropropene	75	6.942	6.942	0.0	94	808113	139.7	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.100	0.0	95	314249	131.5	
59 Toluene	91	7.301	7.301	0.0	93	1787813	133.5	
57 trans-1,3-Dichloropropene	75	7.526	7.526	0.0	87	683932	140.5	
61 Ethyl methacrylate	69	7.636	7.635	0.001	94	573360	133.4	
62 1,1,2-Trichloroethane	83	7.721	7.720	0.001	85	360178	134.8	
63 Tetrachloroethene	166	7.897	7.897	0.0	84	416079	127.6	
64 1,3-Dichloropropane	76	7.909	7.909	0.0	88	683616	130.5	
65 2-Hexanone	43	8.001	8.000	0.001	95	247911	143.4	
66 Chlorodibromomethane	129	8.153	8.152	0.001	87	555838	146.6	
67 Ethylene Dibromide	107	8.280	8.280	0.0	100	465582	138.9	
68 Chlorobenzene	112	8.840	8.840	0.0	95	1254833	126.2	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.931	0.0	96	519162	137.5	
70 Ethylbenzene	91	8.968	8.968	0.0	96	1658117	131.4	
71 m-Xylene & p-Xylene	91	9.108	9.108	0.0	0	2312501	287.6	
72 o-Xylene	91	9.558	9.558	0.0	88	1451326	133.7	
73 Styrene	104	9.576	9.576	0.0	91	1244037	124.6	
74 Bromoform	173	9.771	9.777	-0.006	97	291717	152.3	
75 Isopropylbenzene	105	9.996	9.996	0.0	95	1427024	128.7	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.330	0.0	74	443322	137.0	
77 Bromobenzene	77	10.337	10.336	0.001	91	745066	131.6	
78 1,2,3-Trichloropropane	75	10.385	10.385	0.0	34	526415	146.1	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.403	0.0	56	107280	143.7	
80 N-Propylbenzene	91	10.483	10.482	0.001	94	1612368	124.5	
81 2-Chlorotoluene	91	10.574	10.574	0.0	94	1125753	130.1	
82 1,3,5-Trimethylbenzene	105	10.696	10.695	0.001	89	1210036	128.6	
83 4-Chlorotoluene	91	10.702	10.701	0.001	96	1227841	140.1	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 tert-Butylbenzene	119	11.085	11.085	0.0	88	1126105	133.0	
	85 1,2,4-Trimethylbenzene	105	11.140	11.139	0.001	64	1260319	127.3	
	86 sec-Butylbenzene	105	11.346	11.352	-0.006	95	1419516	129.4	
	87 1,3-Dichlorobenzene	146	11.468	11.468	0.0	96	816218	134.1	
	88 4-Isopropyltoluene	119	11.529	11.529	0.0	87	1231351	131.4	
	89 1,4-Dichlorobenzene	146	11.572	11.571	0.001	89	798990	134.9	
	99 1,2,3-Trimethylbenzene	105	11.645	11.644	0.001	0	1311530	127.3	
	91 1,2-Dichlorobenzene	146	12.022	12.022	0.0	86	761222	136.7	
	90 n-Butylbenzene	91	12.028	12.028	0.0	94	1050396	132.5	
	92 1,2-Dibromo-3-Chloropropane	157	12.965	12.971	-0.006	63	74100	154.7	
	93 1,2,4-Trichlorobenzene	180	13.999	13.999	0.0	94	365715	148.0	
	94 Hexachlorobutadiene	225	14.230	14.230	0.0	94	187291	147.0	
	95 Naphthalene	128	14.291	14.291	0.0	98	711630	154.4	
	96 1,2,3-Trichlorobenzene	180	14.595	14.595	0.0	96	228079	160.7	
S	97 Total 1,2-dichloroethene	100				0		254.6	
S	98 Xylenes, Total	100				0		421.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 15:19:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D
Injection Date: 17-Aug-2011 14:28:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 9
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 15:19:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

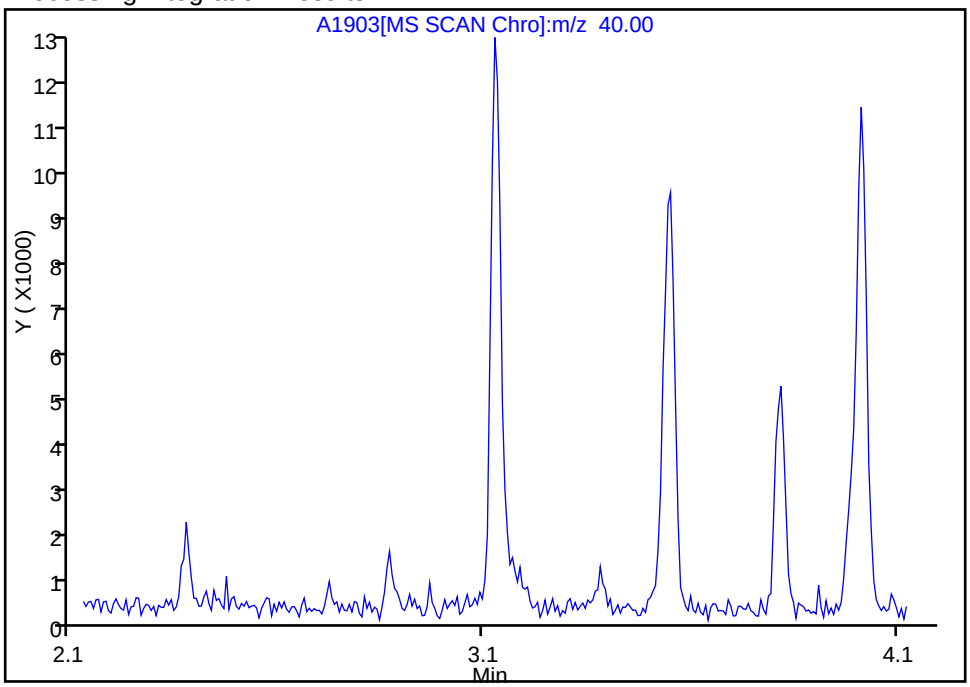
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D		
Injection Date:	17-Aug-2011 14:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	9
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

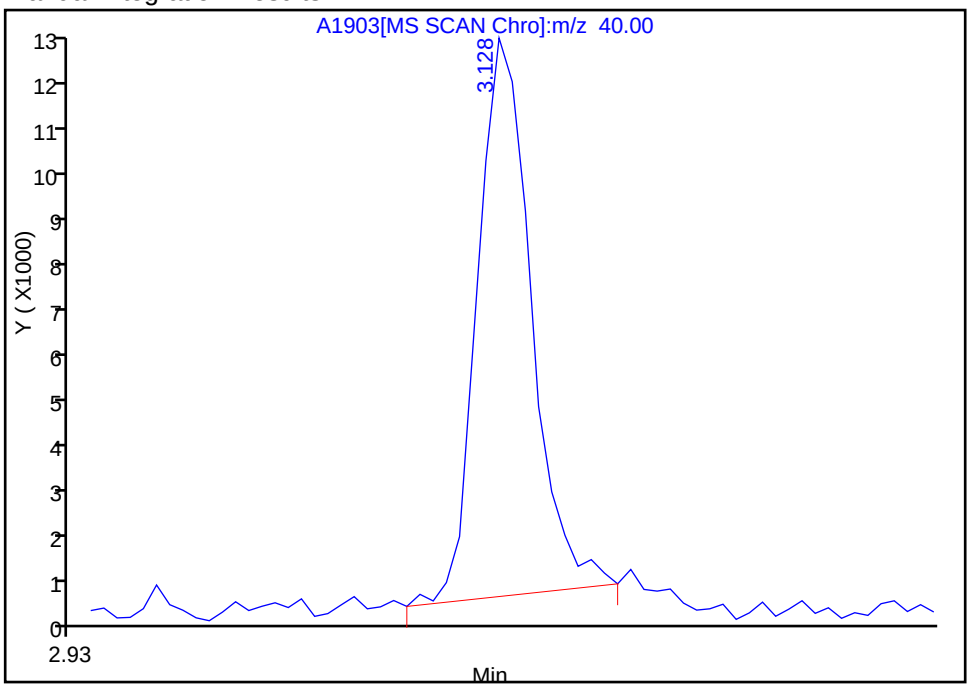
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 19871
Amount: 152.0217



Reviewer: hallj, 17-Aug-2011 15:19:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 15:19:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

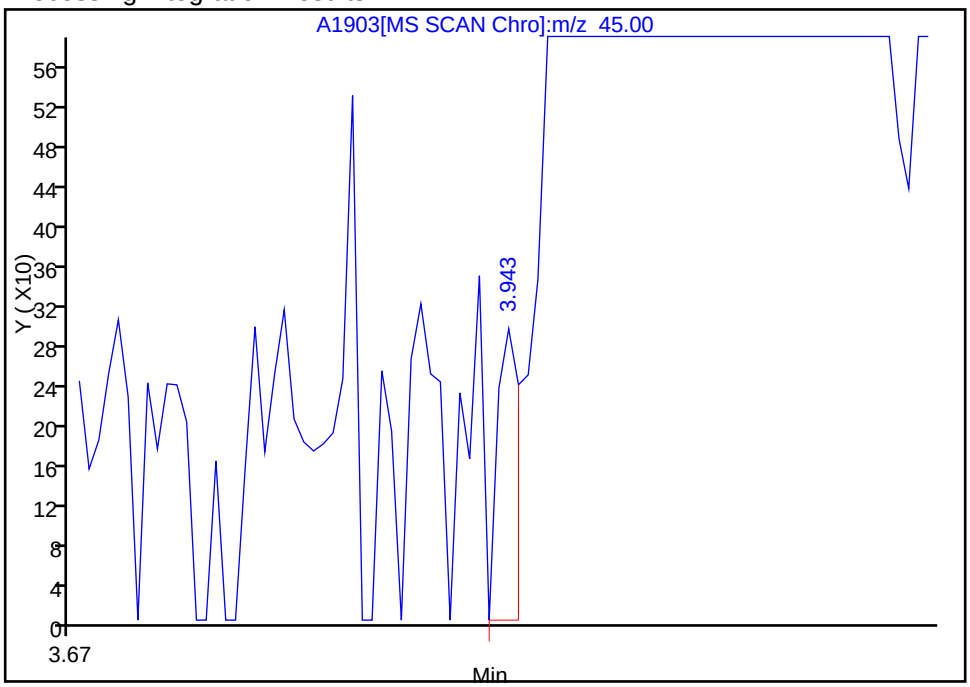
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D		
Injection Date:	17-Aug-2011 14:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	9
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

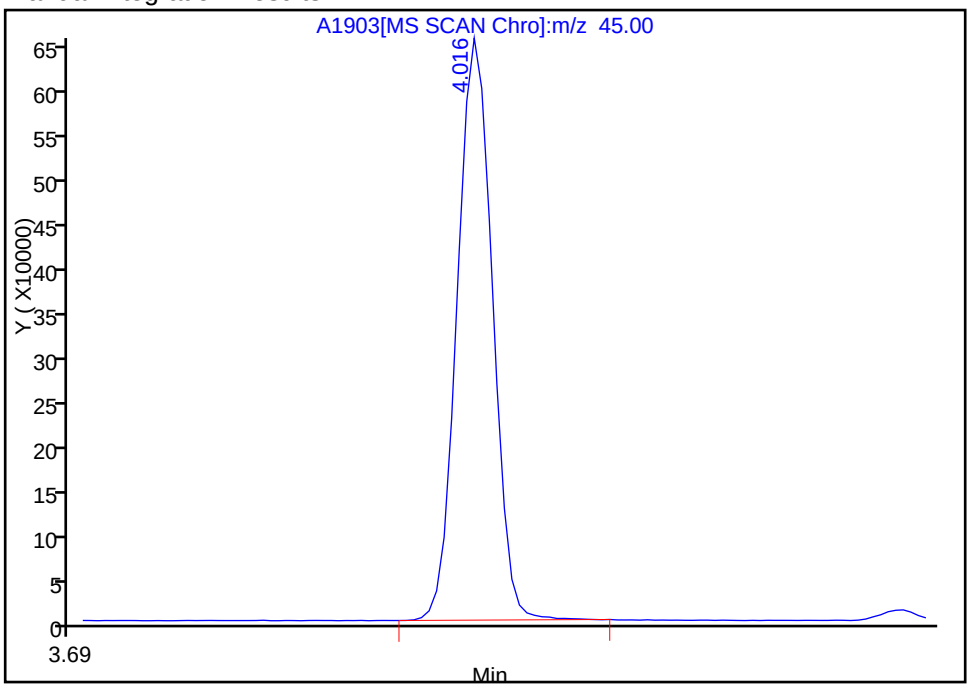
Processing Integration Results

RT: 3.94
Response: 277
Amount: 0.029611



Manual Integration Results

RT: 4.02
Response: 1295687
Amount: 133.8716



Reviewer: hallj, 17-Aug-2011 15:19:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 15:19:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1903.D

Injection Date: 17-Aug-2011 14:28:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 9

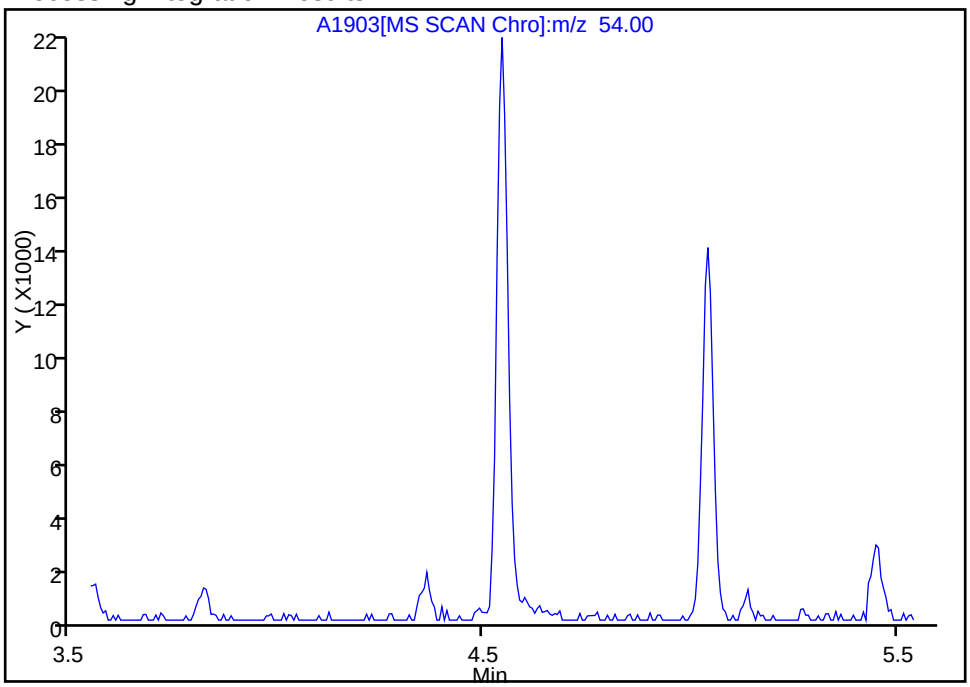
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Not Detected

Expected RT: 4.55

Processing Integration Results

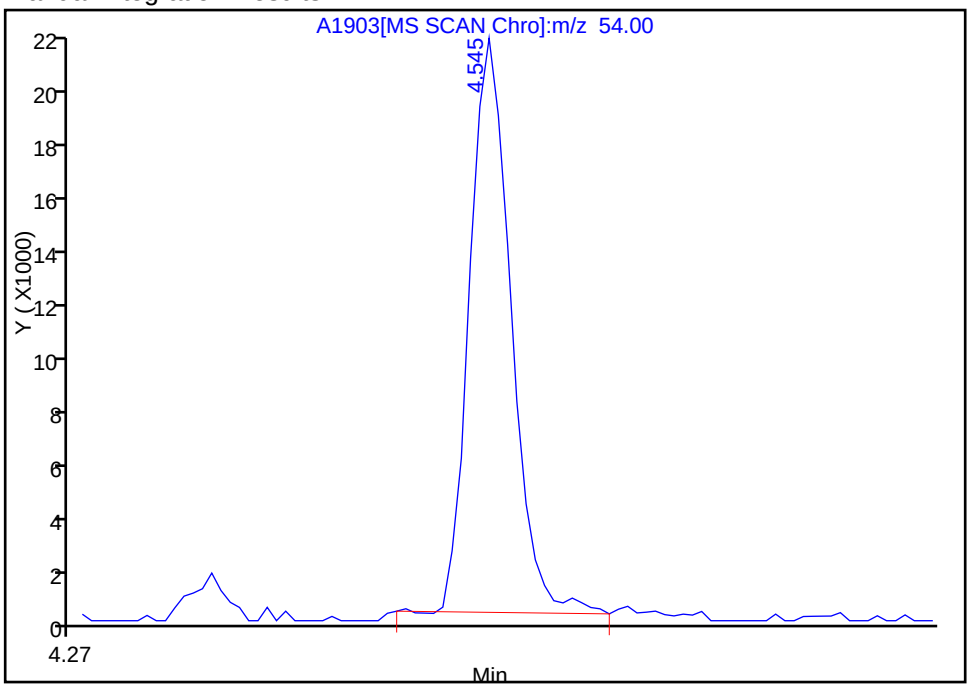


Manual Integration Results

RT: 4.55

Response: 40027

Amount: 149.2450



Reviewer: hallj, 17-Aug-2011 15:19:36

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	17-Aug-2011 15:01:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	STD200		
Misc. Info.:	510-0005393-010 =510-0005393-010		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	28
Lims Batch ID:	85201	Lims Sample ID:	10
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m		
Last Update:	17-Aug-2011 15:52:58	Calib Date:	17-Aug-2011 15:01:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	17-Aug-2011 15:52:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.611	5.610	0.001	99	665758	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.809	-0.005	82	276470	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.548	11.547	0.001	66	202429	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.276	5.275	0.001	0	159286	49.0	
$ 7 Toluene-d8 (Surr)	98	7.235	7.234	0.001	92	649032	51.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.160	0.001	87	245327	52.8	
12 Dichlorodifluoromethane	85	1.443	1.442	0.001	87	754699	174.5	
13 Chloromethane	50	1.608	1.607	0.001	88	663217	193.0	
14 Vinyl chloride	62	1.699	1.704	-0.005	82	593731	180.6	
15 Bromomethane	94	1.991	2.002	-0.011	90	345614	199.2	
16 Chloroethane	64	2.094	2.105	-0.011	95	465758	190.0	
17 Trichlorofluoromethane	101	2.350	2.349	0.001	78	904072	174.2	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.630	2.629	0.001	78	761313	189.7	
19 Acrolein	56	2.733	2.732	0.001	95	68045	202.2	
20 1,1-Dichloroethene	61	2.836	2.835	0.001	83	782565	178.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.843	2.848	-0.005	75	387232	177.8	
22 Acetone	43	2.873	2.872	0.001	98	139548	122.0	
23 Iodomethane	142	2.976	2.975	0.001	99	598865	203.7	
24 Carbon disulfide	76	3.037	3.042	-0.005	99	1704188	174.1	
104 Acetonitrile	40	3.128	3.128	0.0	0	30230	215.8	M
25 Methyl acetate	43	3.189	3.188	0.001	95	439667	167.9	
26 Methylene Chloride	84	3.287	3.286	0.001	76	663154	186.6	
27 2-Methyl-2-propanol	59	3.390	3.383	0.007	100	140340	704.8	
28 Acrylonitrile	53	3.506	3.505	0.001	99	169904	202.3	
29 trans-1,2-Dichloroethene	61	3.548	3.547	0.001	82	795073	176.2	
30 Methyl tert-butyl ether	73	3.548	3.553	-0.005	89	1434693	159.7	
31 Hexane	57	3.822	3.821	0.001	92	290549	170.7	
32 1,1-Dichloroethane	63	3.938	3.943	-0.005	83	1018443	166.2	
33 Vinyl acetate	43	3.986	3.991	-0.005	98	2143417	388.7	
34 Isopropyl ether	45	4.017	4.017	0.0	14	1590472	190.9	M

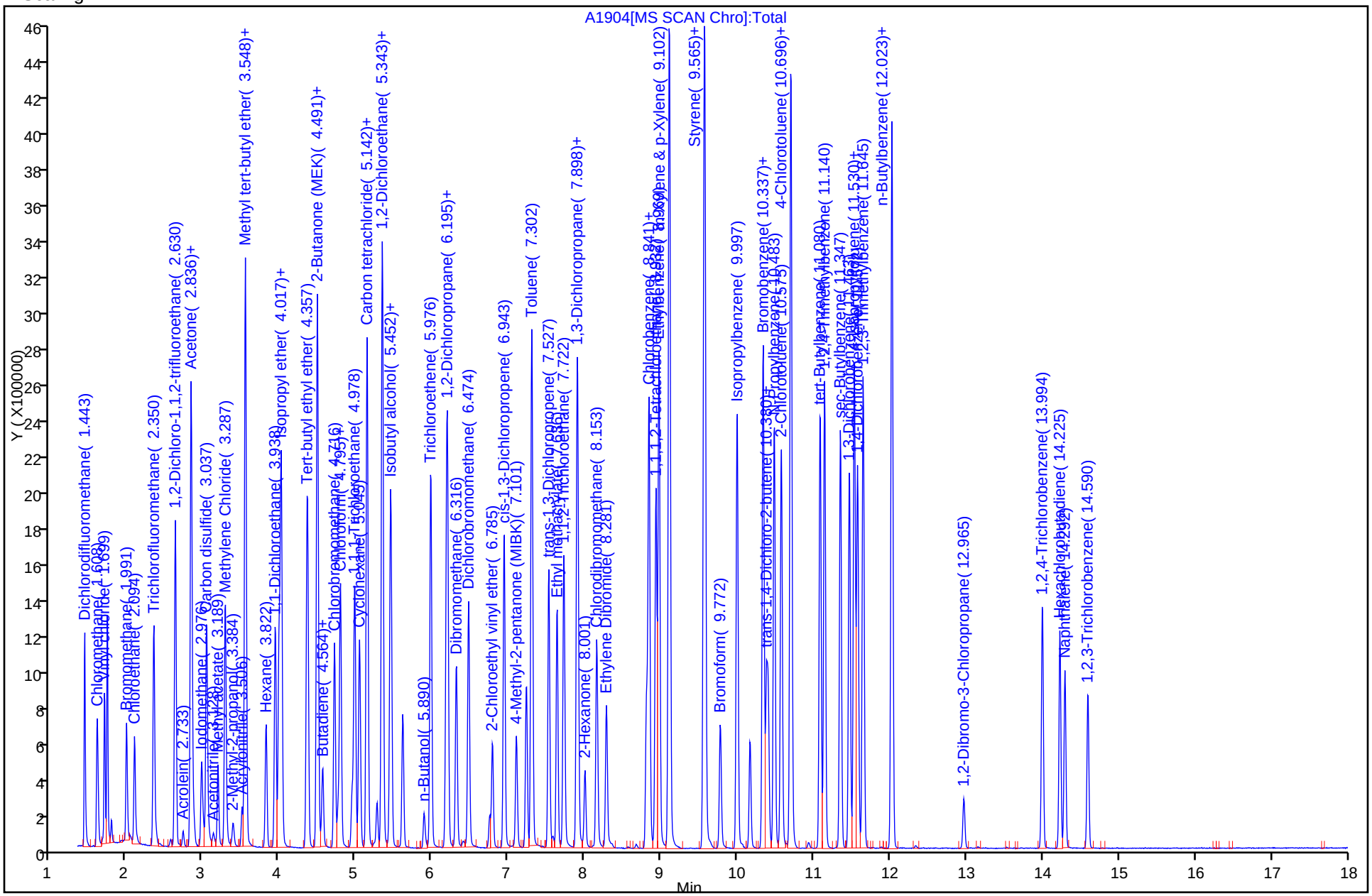
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.363	4.356	0.007	92	1553379	160.8	
36 cis-1,2-Dichloroethene	61	4.491	4.490	0.001	83	890507	166.6	
37 2,2-Dichloropropane	77	4.497	4.496	0.001	75	808203	191.3	
38 2-Butanone (MEK)	43	4.497	4.496	0.001	41	173060	131.5	
39 Propionitrile	54	4.546	4.544	0.002	46	51086	197.2	
103 Butadiene	54	4.546	4.546	0.0	0	50244	194.7	M
101 Ethyl acetate	43	4.564	4.563	0.001	0	407648	184.0	
40 Chlorobromomethane	130	4.716	4.715	0.001	81	451147	171.7	
41 Tetrahydrofuran	42	4.765	4.770	-0.005	84	120380	198.5	
42 Chloroform	83	4.795	4.794	0.001	68	1071279	157.4	
43 1,1,1-Trichloroethane	97	4.978	4.983	-0.005	90	949041	169.9	
44 Cyclohexane	56	5.045	5.044	0.001	87	488758	185.4	
46 1,1-Dichloropropene	75	5.142	5.141	0.001	91	754579	182.2	
45 Carbon tetrachloride	117	5.148	5.147	0.001	86	754683	172.8	
47 Benzene	78	5.343	5.342	0.001	95	2135654	188.8	
48 1,2-Dichloroethane	62	5.349	5.348	0.001	50	695442	168.4	
49 Tert-amyl methyl ether	73	5.452	5.451	0.001	97	1552655	175.3	
50 Isobutyl alcohol	41	5.452	5.451	0.001	42	180547	186.1	
102 n-Butanol	56	5.890	5.889	0.001	0	117808	2645.2	
51 Trichloroethene	132	5.982	5.981	0.001	87	733727	174.5	
52 Methylcyclohexane	83	6.182	6.187	-0.005	91	551818	172.9	
53 1,2-Dichloropropane	63	6.201	6.200	0.001	90	609954	172.7	
54 Dibromomethane	93	6.310	6.309	0.001	94	383195	184.1	
55 Dichlorobromomethane	83	6.474	6.473	0.001	98	872478	178.1	
56 2-Chloroethyl vinyl ether	63	6.791	6.790	0.001	92	253125	407.3	
60 cis-1,3-Dichloropropene	75	6.943	6.942	0.001	93	1025222	180.6	
58 4-Methyl-2-pentanone (MIBK)	43	7.101	7.100	0.001	96	395045	169.9	
59 Toluene	91	7.302	7.301	0.001	96	2180567	190.1	
57 trans-1,3-Dichloropropene	75	7.527	7.526	0.001	86	875304	182.8	
61 Ethyl methacrylate	69	7.636	7.635	0.001	94	728622	173.7	
62 1,1,2-Trichloroethane	83	7.722	7.720	0.002	85	460123	176.1	
63 Tetrachloroethene	166	7.898	7.897	0.001	82	529454	184.9	
64 1,3-Dichloropropane	76	7.910	7.909	0.001	88	867735	170.2	
65 2-Hexanone	43	8.001	8.000	0.001	94	269301	161.2	
66 Chlorodibromomethane	129	8.153	8.152	0.001	88	713817	190.3	
67 Ethylene Dibromide	107	8.281	8.280	0.001	99	590741	179.7	
68 Chlorobenzene	112	8.841	8.840	0.001	94	1557194	176.9	
69 1,1,1,2-Tetrachloroethane	131	8.932	8.931	0.001	89	663250	178.0	
70 Ethylbenzene	91	8.969	8.968	0.001	94	2020772	147.8	
71 m-Xylene & p-Xylene	91	9.102	9.108	-0.006	0	2773482	402.9	
72 o-Xylene	91	9.559	9.558	0.001	88	1793601	190.7	
73 Styrene	104	9.577	9.576	0.001	91	1558800	160.5	
74 Bromoform	173	9.772	9.777	-0.005	98	379721	197.7	
75 Isopropylbenzene	105	9.997	9.996	0.001	94	1757792	166.3	
76 1,1,2,2-Tetrachloroethane	83	10.331	10.330	0.001	75	566246	181.4	
77 Bromobenzene	77	10.337	10.336	0.001	89	943753	173.9	
78 1,2,3-Trichloropropane	75	10.380	10.385	-0.005	36	666945	190.4	
79 trans-1,4-Dichloro-2-butene	53	10.404	10.403	0.001	48	138740	191.0	
80 N-Propylbenzene	91	10.483	10.482	0.001	94	1975514	176.5	
81 2-Chlorotoluene	91	10.575	10.574	0.001	95	1364769	165.6	
82 1,3,5-Trimethylbenzene	105	10.696	10.695	0.001	89	1510262	168.1	
83 4-Chlorotoluene	91	10.702	10.701	0.001	96	1513799	180.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.086	11.085	0.001	87	1398104	172.4	
85 1,2,4-Trimethylbenzene	105	11.140	11.139	0.001	65	1568908	166.2	
86 sec-Butylbenzene	105	11.347	11.352	-0.005	95	1751151	167.4	
87 1,3-Dichlorobenzene	146	11.469	11.468	0.001	95	1038567	177.5	
88 4-Isopropyltoluene	119	11.530	11.529	0.001	89	1538064	171.5	
89 1,4-Dichlorobenzene	146	11.572	11.571	0.001	86	1014983	178.1	
99 1,2,3-Trimethylbenzene	105	11.645	11.644	0.001	0	1648521	167.7	
91 1,2-Dichlorobenzene	146	12.023	12.022	0.001	85	968233	180.4	
90 n-Butylbenzene	91	12.023	12.028	-0.005	94	1307985	172.2	
92 1,2-Dibromo-3-Chloropropane	157	12.972	12.971	0.001	63	94710	201.6	
93 1,2,4-Trichlorobenzene	180	14.000	13.999	0.001	95	481204	199.0	
94 Hexachlorobutadiene	225	14.225	14.230	-0.005	94	239455	192.9	
95 Naphthalene	128	14.292	14.291	0.001	98	907162	201.0	
96 1,2,3-Trichlorobenzene	180	14.590	14.595	-0.005	95	304804	197.1	
S 97 Total 1,2-dichloroethene	100				0		342.8	
S 98 Xylenes, Total	100				0		593.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 15:52:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D
Injection Date: 17-Aug-2011 15:01:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 10
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 15:52:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

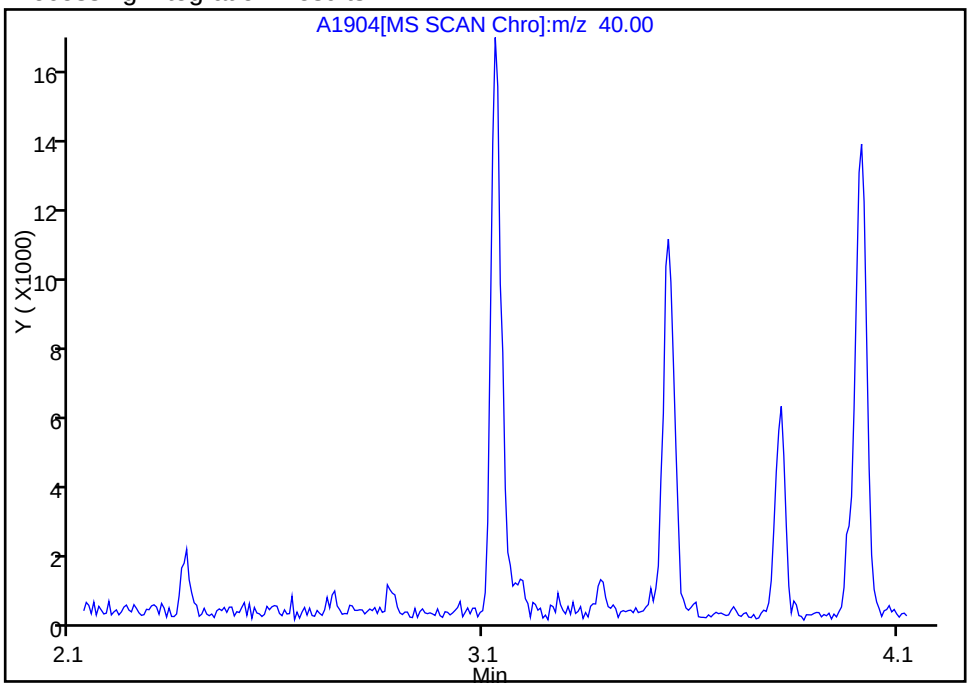
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D		
Injection Date:	17-Aug-2011 15:01:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	10
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

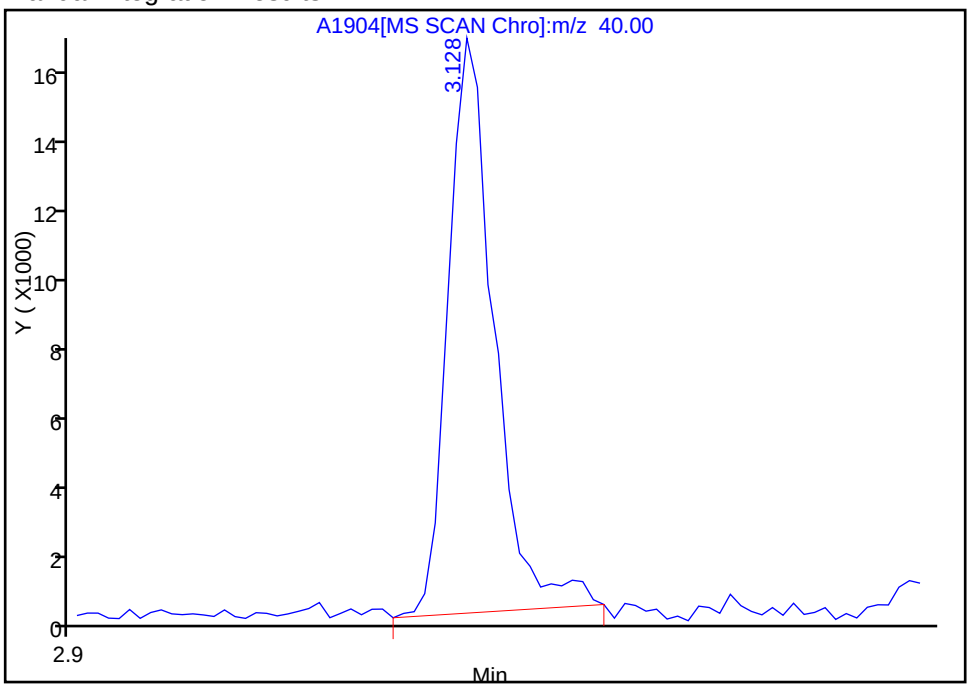
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 30230
Amount: 215.7791



Reviewer: hallj, 17-Aug-2011 15:52:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 15:52:58 Chrom Revision: 1.2 13-Jul-2011 10:43:06

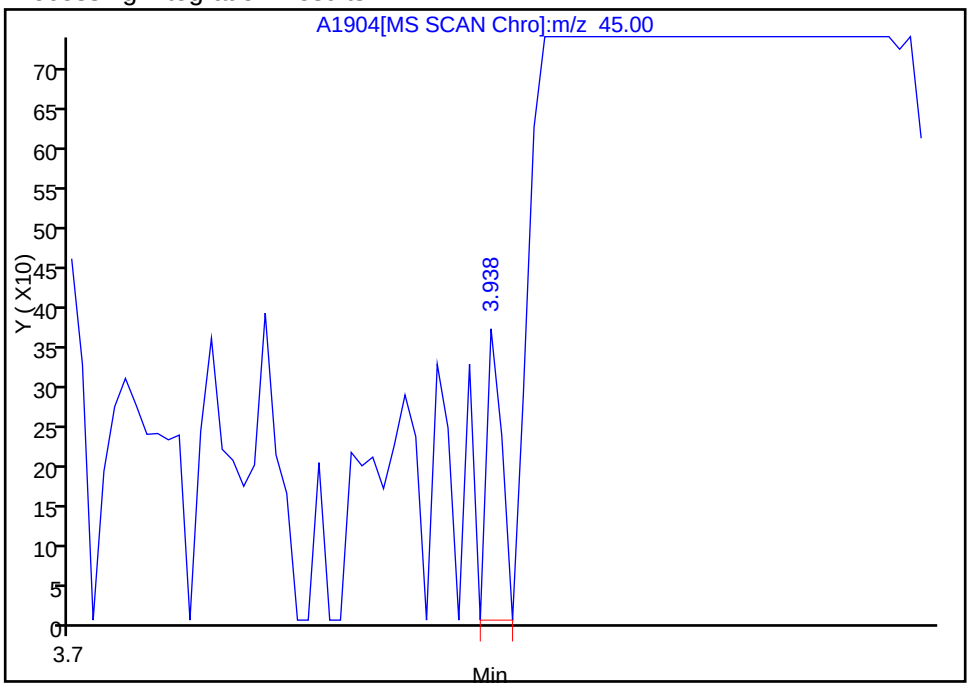
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D		
Injection Date:	17-Aug-2011 15:01:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	10
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

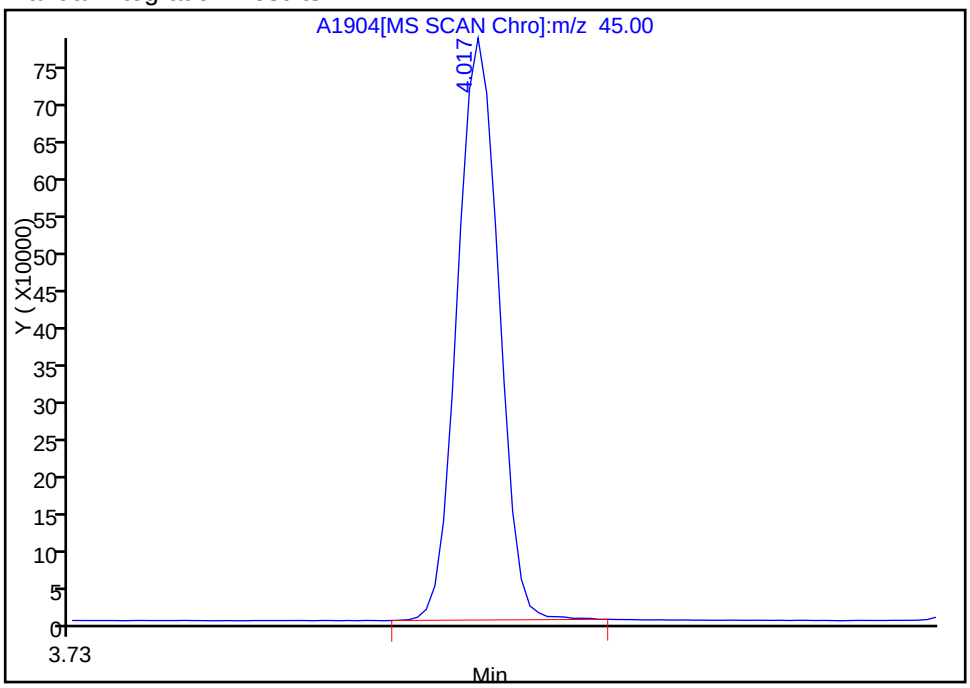
Processing Integration Results

RT: 3.94
Response: 220
Amount: 0.023837



Manual Integration Results

RT: 4.02
Response: 1590472
Amount: 190.8601



Reviewer: hallj, 17-Aug-2011 15:52:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 15:52:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1904.D

Injection Date: 17-Aug-2011 15:01:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 10

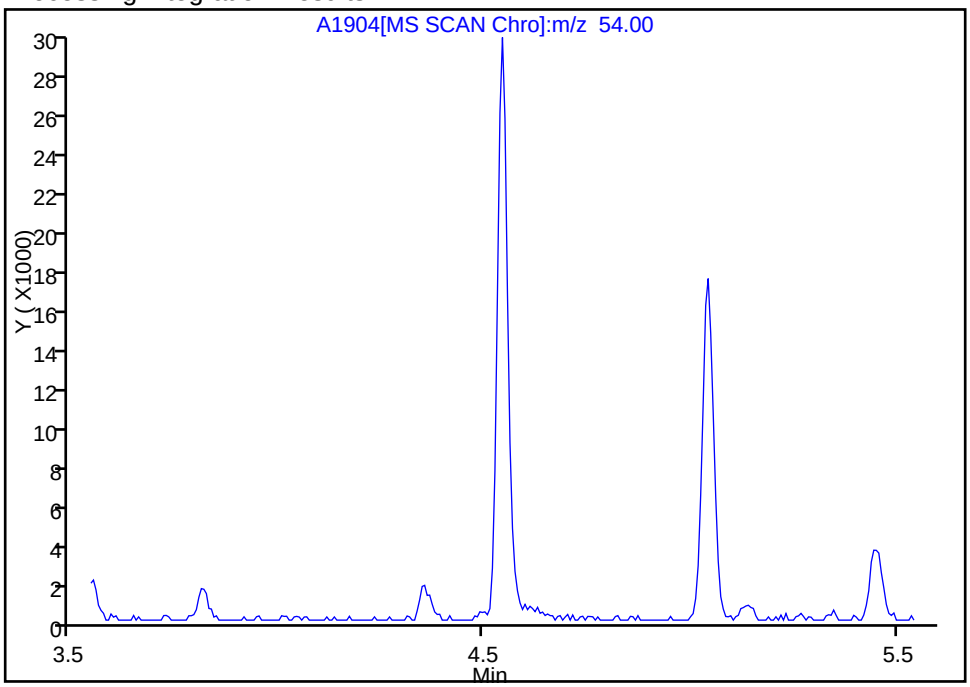
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Not Detected

Expected RT: 4.55

Processing Integration Results

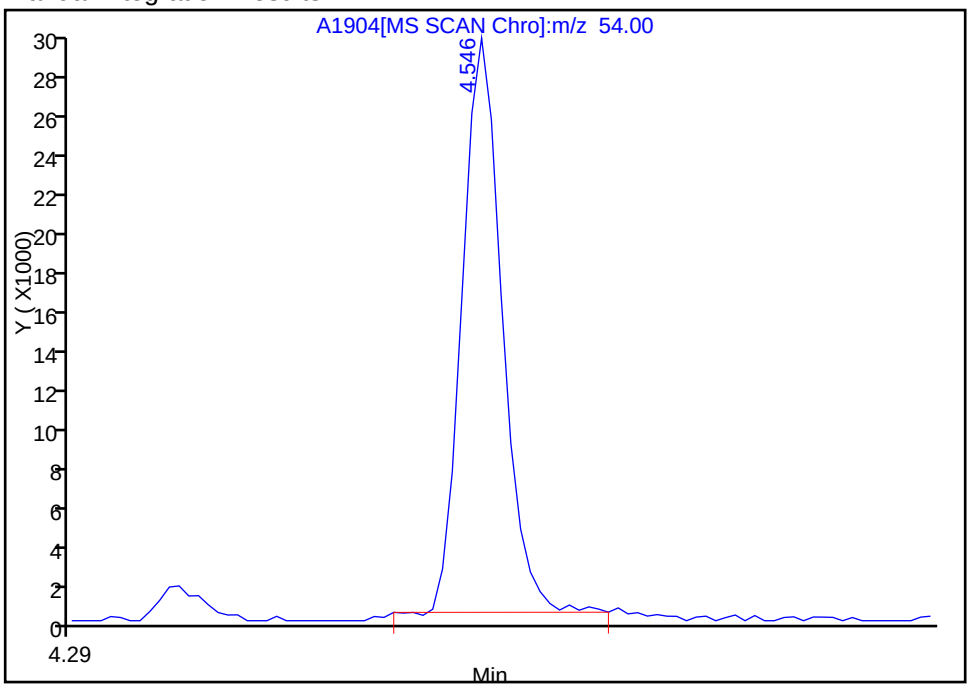


Manual Integration Results

RT: 4.55

Response: 50244

Amount: 194.7287



Reviewer: hallj, 17-Aug-2011 15:52:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Lims ID: STD020 Client ID:
Inject. Date: 17-Aug-2011 17:07:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD020
Misc. Info.: 510-0005393-014 =510-0005393-014
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 37
Lims Batch ID: 85201 Lims Sample ID: 14
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m
Last Update: 17-Aug-2011 17:31:25 Calib Date: 17-Aug-2011 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 17-Aug-2011 17:31:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.610	0.0	99	694185	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.804	0.0	82	283120	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.547	0.0	94	222597	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.275	0.0	0	170718	50.4	
$ 7 Toluene-d8 (Surr)	98	7.228	7.228	0.0	92	669960	50.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.166	10.166	0.0	91	248395	48.8	
12 Dichlorodifluoromethane	85	1.443	1.443	0.0	88	98753	21.6	
13 Chloromethane	50	1.607	1.607	0.0	89	75923	21.0	
14 Vinyl chloride	62	1.704	1.704	0.0	83	73070	21.1	
15 Bromomethane	94	2.009	2.009	0.0	89	27205	19.8	
16 Chloroethane	64	2.106	2.106	0.0	95	56716	21.0	
17 Trichlorofluoromethane	101	2.349	2.349	0.0	79	116861	21.4	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.629	2.629	0.0	81	97935	21.0	
19 Acrolein	56	2.732	2.732	0.0	81	6925	17.7	
20 1,1-Dichloroethene	61	2.836	2.836	0.0	96	106289	21.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.848	2.848	0.0	82	50809	22.1	
22 Acetone	43	2.872	2.872	0.0	94	26493	28.3	
23 Iodomethane	142	2.976	2.976	0.0	98	25353	14.0	
24 Carbon disulfide	76	3.043	3.043	0.0	98	240658	22.3	
104 Acetonitrile	40	3.128	3.128	0.0	0	2335	16.5	M
25 Methyl acetate	43	3.189	3.189	0.0	96	53404	19.6	
26 Methylene Chloride	84	3.286	3.286	0.0	78	87757	22.3	
27 2-Methyl-2-propanol	59	3.383	3.383	0.0	96	15042	73.3	
28 Acrylonitrile	53	3.505	3.505	0.0	96	20597	21.9	
29 trans-1,2-Dichloroethene	61	3.548	3.548	0.0	74	110409	21.2	
30 Methyl tert-butyl ether	73	3.548	3.548	0.0	85	208342	21.9	
31 Hexane	57	3.821	3.821	0.0	90	39211	21.8	
32 1,1-Dichloroethane	63	3.943	3.943	0.0	95	133357	20.8	
33 Vinyl acetate	43	3.992	3.992	0.0	99	282611	40.3	
34 Isopropyl ether	45	4.016	4.016	0.0	1	233368	21.2	M

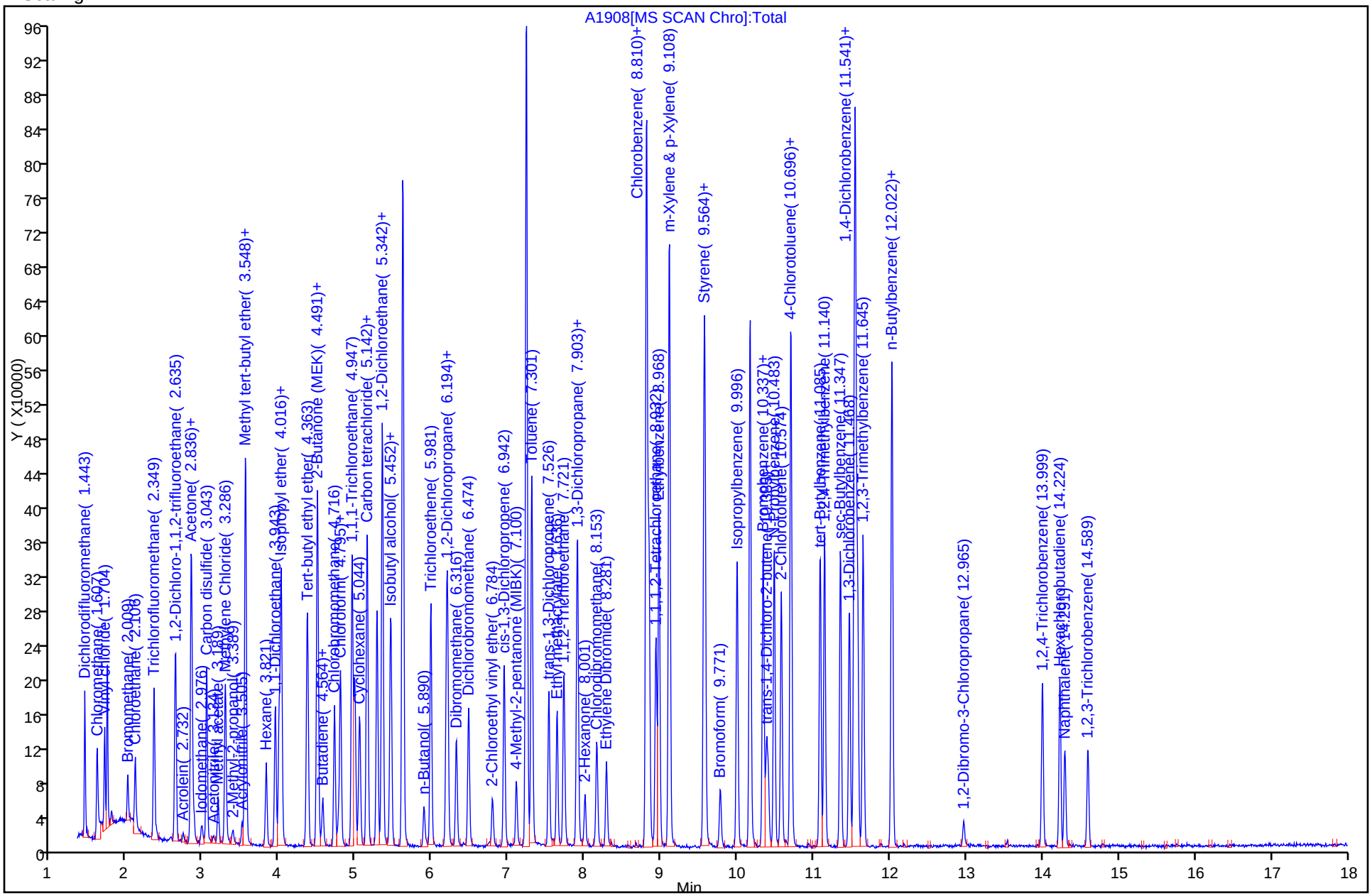
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.363	4.363	0.0	95	211677	20.9	
36 cis-1,2-Dichloroethene	61	4.491	4.491	0.0	86	120227	21.4	
37 2,2-Dichloropropane	77	4.497	4.497	0.0	74	109403	20.3	
38 2-Butanone (MEK)	43	4.497	4.497	0.0	43	27360	22.0	
39 Propionitrile	54	4.545	4.545	0.0	33	5545	18.4	
103 Butadiene	54	4.545	4.545	0.0	0	5351	17.9	M
101 Ethyl acetate	43	4.564	4.564	0.0	0	52106	21.3	
40 Chlorobromomethane	130	4.716	4.716	0.0	82	59617	21.5	
41 Tetrahydrofuran	42	4.770	4.770	0.0	84	15539	20.3	
42 Chloroform	83	4.795	4.795	0.0	80	147806	22.3	
43 1,1,1-Trichloroethane	97	4.983	4.983	0.0	86	122068	20.8	
44 Cyclohexane	56	5.044	5.044	0.0	87	61118	21.1	
46 1,1-Dichloropropene	75	5.142	5.142	0.0	93	96920	20.2	
45 Carbon tetrachloride	117	5.148	5.148	0.0	91	97254	21.2	
47 Benzene	78	5.342	5.342	0.0	91	330718	22.7	
48 1,2-Dichloroethane	62	5.348	5.348	0.0	44	91115	21.0	
49 Tert-amyl methyl ether	73	5.452	5.452	0.0	97	216702	22.2	
50 Isobutyl alcohol	41	5.452	5.452	0.0	37	23090	21.3	
102 n-Butanol	56	5.890	5.890	0.0	0	28118	662.7	
51 Trichloroethene	132	5.981	5.981	0.0	86	93636	21.2	
52 Methylcyclohexane	83	6.188	6.188	0.0	88	72640	21.6	
53 1,2-Dichloropropane	63	6.200	6.200	0.0	92	77288	20.9	
54 Dibromomethane	93	6.316	6.316	0.0	86	45557	20.9	
55 Dichlorobromomethane	83	6.474	6.474	0.0	91	103002	20.1	
56 2-Chloroethyl vinyl ether	63	6.790	6.790	0.0	89	24413	40.8	
60 cis-1,3-Dichloropropene	75	6.942	6.942	0.0	93	123440	20.7	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.100	0.0	94	45290	18.8	
59 Toluene	91	7.301	7.301	0.0	83	329883	21.6	
57 trans-1,3-Dichloropropene	75	7.526	7.526	0.0	87	100770	20.2	
61 Ethyl methacrylate	69	7.636	7.636	0.0	96	85033	19.5	
62 1,1,2-Trichloroethane	83	7.721	7.721	0.0	81	55933	20.5	
63 Tetrachloroethene	166	7.897	7.897	0.0	84	67046	20.2	
64 1,3-Dichloropropane	76	7.903	7.903	0.0	87	111175	20.8	
65 2-Hexanone	43	8.001	8.001	0.0	92	35802	20.5	
66 Chlorodibromomethane	129	8.153	8.153	0.0	85	74573	19.2	
67 Ethylene Dibromide	107	8.281	8.281	0.0	98	70554	20.5	
68 Chlorobenzene	112	8.840	8.840	0.0	91	207200	20.8	
69 1,1,1,2-Tetrachloroethane	131	8.932	8.932	0.0	90	76599	20.1	
70 Ethylbenzene	91	8.968	8.968	0.0	97	301338	21.0	
71 m-Xylene & p-Xylene	91	9.108	9.108	0.0	0	460772	42.2	
72 o-Xylene	91	9.558	9.558	0.0	91	260785	21.4	
73 Styrene	104	9.576	9.576	0.0	93	207271	20.7	
74 Bromoform	173	9.771	9.771	0.0	77	36345	18.7	
75 Isopropylbenzene	105	9.996	9.996	0.0	95	247589	21.1	
76 1,1,2,2-Tetrachloroethane	83	10.331	10.331	0.0	70	62877	18.5	
77 Bromobenzene	77	10.337	10.337	0.0	94	119666	20.0	
78 1,2,3-Trichloropropane	75	10.385	10.385	0.0	36	77352	20.1	
79 trans-1,4-Dichloro-2-butene	53	10.404	10.404	0.0	56	14838	18.7	
80 N-Propylbenzene	91	10.483	10.483	0.0	96	299420	21.9	
81 2-Chlorotoluene	91	10.574	10.574	0.0	94	187876	20.6	
82 1,3,5-Trimethylbenzene	105	10.696	10.696	0.0	90	216856	21.7	
83 4-Chlorotoluene	91	10.702	10.702	0.0	94	216798	22.2	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 tert-Butylbenzene	119	11.085	11.085	0.0	89	202543	22.3	
	85 1,2,4-Trimethylbenzene	105	11.140	11.140	0.0	65	225595	21.5	
	86 sec-Butylbenzene	105	11.347	11.347	0.0	93	269478	22.9	
	87 1,3-Dichlorobenzene	146	11.468	11.468	0.0	96	138418	21.3	
	88 4-Isopropyltoluene	119	11.529	11.529	0.0	92	233012	23.1	
	89 1,4-Dichlorobenzene	146	11.572	11.572	0.0	92	131481	20.9	
	99 1,2,3-Trimethylbenzene	105	11.645	11.645	0.0	0	232135	21.3	
	91 1,2-Dichlorobenzene	146	12.022	12.022	0.0	77	126688	21.3	
	90 n-Butylbenzene	91	12.028	12.028	0.0	97	204902	23.9	
	92 1,2-Dibromo-3-Chloropropane	157	12.965	12.965	0.0	37	8837	17.4	
	93 1,2,4-Trichlorobenzene	180	13.999	13.999	0.0	93	67130	24.4	
	94 Hexachlorobutadiene	225	14.224	14.224	0.0	91	38044	26.6	
	95 Naphthalene	128	14.291	14.291	0.0	96	108981	20.8	
	96 1,2,3-Trichlorobenzene	180	14.595	14.595	0.0	94	39785	22.9	
S	97 Total 1,2-dichloroethene	100				0		42.5	
S	98 Xylenes, Total	100				0		63.5	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 17-Aug-2011 17:31:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Injection Date: 17-Aug-2011 17:07:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 14
Operator ID: JLH
Y Scaling:



Report Date: 17-Aug-2011 17:31:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

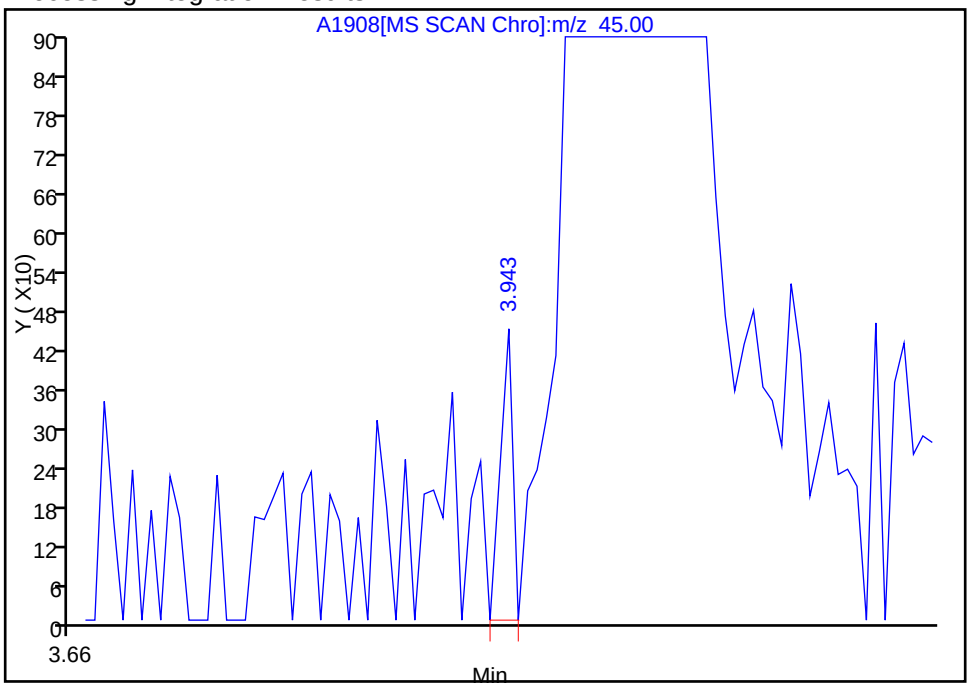
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D		
Injection Date:	17-Aug-2011 17:07:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85201	Lims Sample ID:	14
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

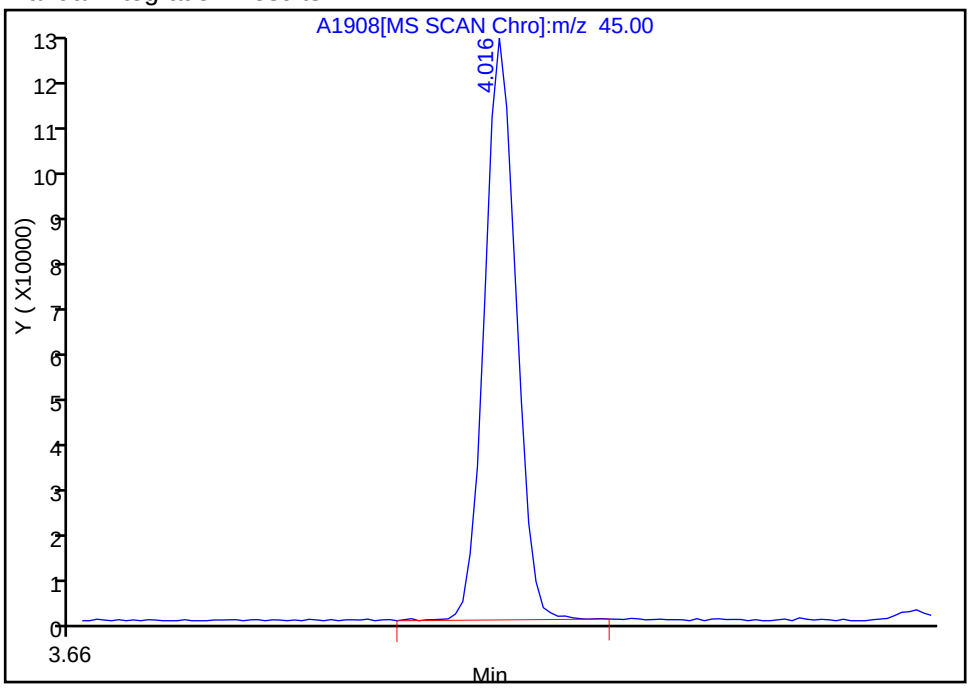
Processing Integration Results

RT: 3.94
Response: 244
Amount: 0.025798



Manual Integration Results

RT: 4.02
Response: 233368
Amount: 21.190536



Reviewer: hallj, 17-Aug-2011 17:31:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 17-Aug-2011 17:31:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D

Injection Date: 17-Aug-2011 17:07:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 14

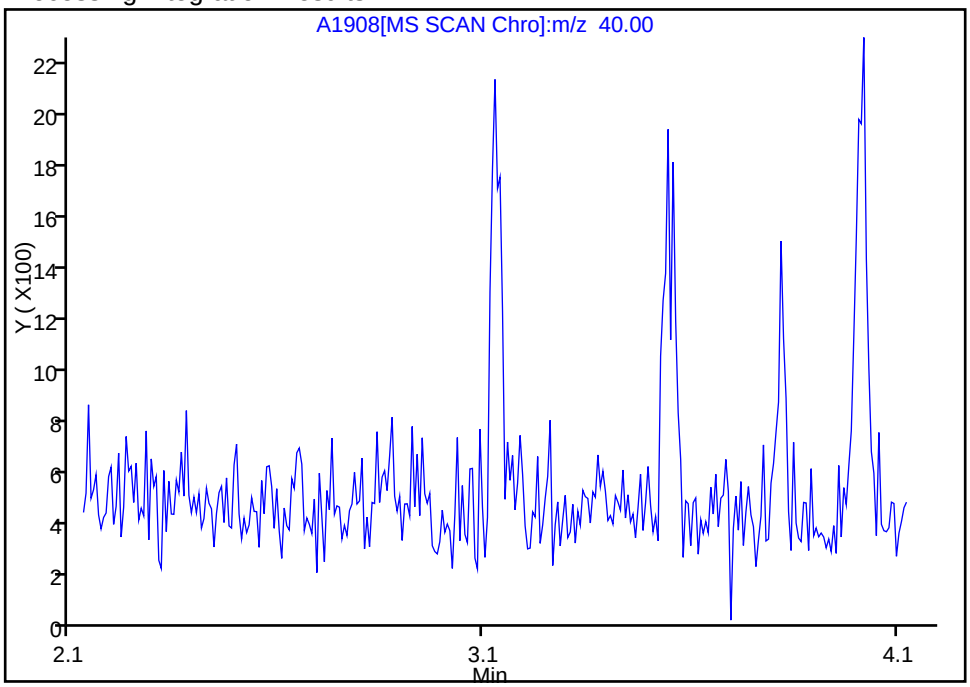
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

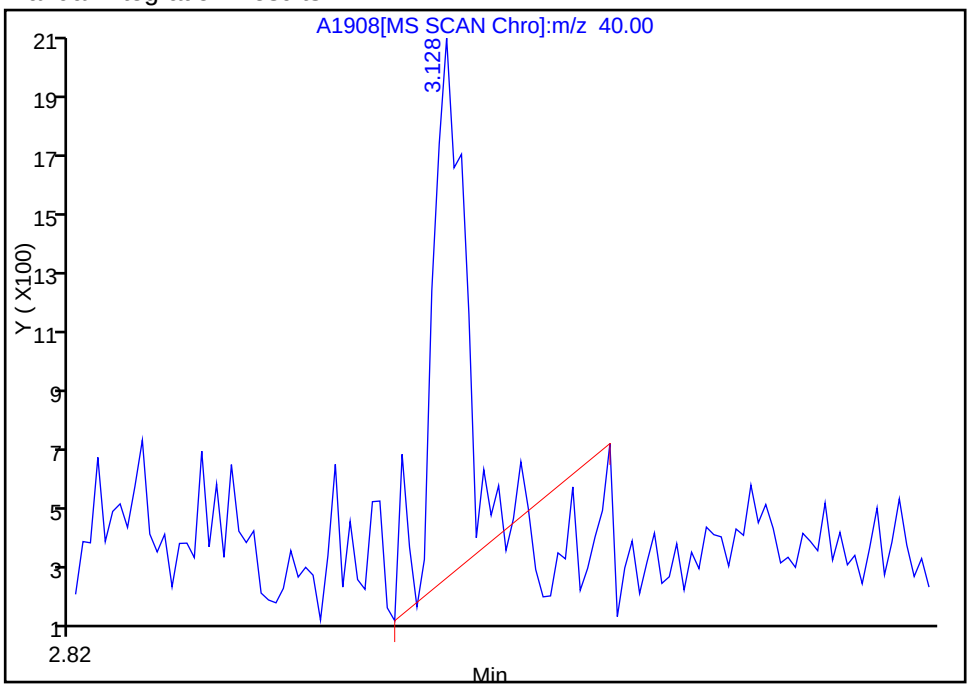


Manual Integration Results

RT: 3.13

Response: 2335

Amount: 16.537906



Reviewer: hallj, 17-Aug-2011 17:31:25

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 17-Aug-2011 17:31:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D

Injection Date: 17-Aug-2011 17:07:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85201 Lims Sample ID: 14

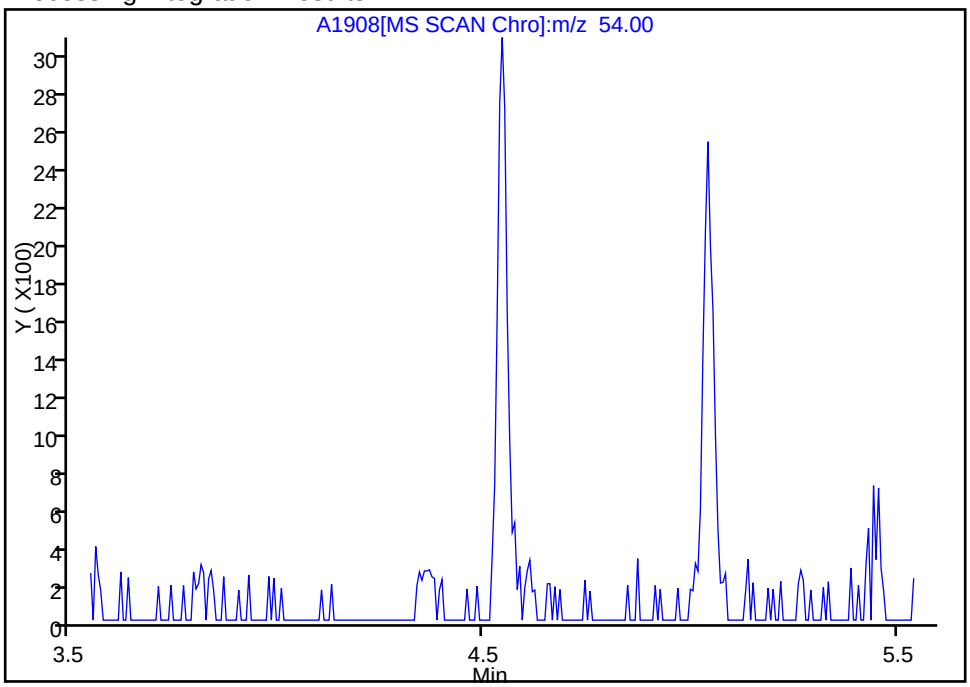
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

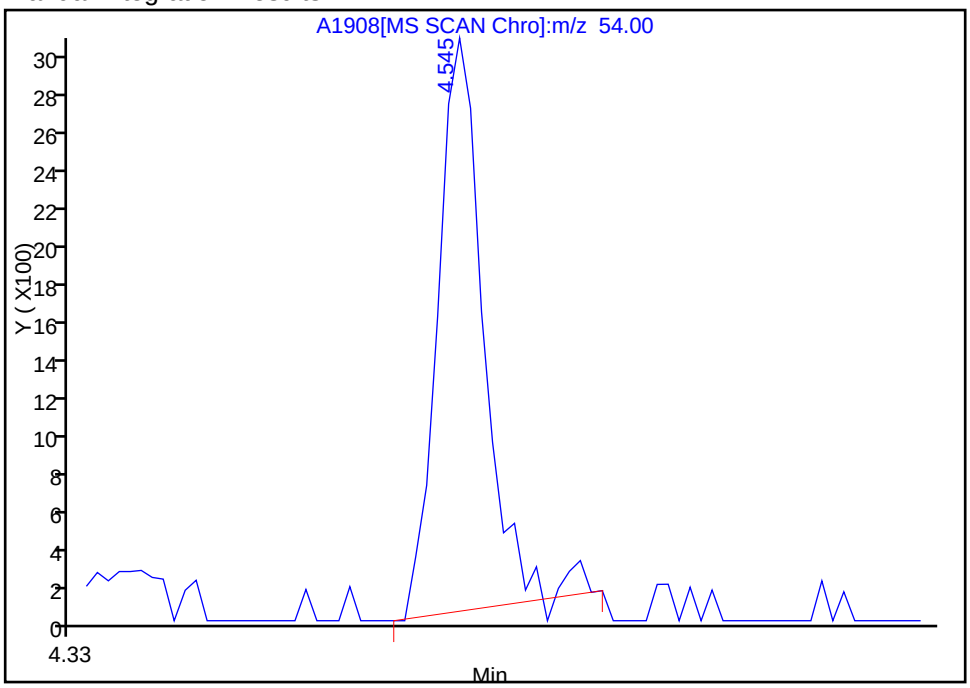


Manual Integration Results

RT: 4.55

Response: 5351

Amount: 17.933065



Reviewer: hallj, 17-Aug-2011 17:31:25

Audit Action: Manually Integrated

Audit Reason: Assign Peak

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-85568/3	A2142.D
Level 2	STD005 510-85568/4	A2143.D
Level 3	STD010 510-85568/5	A2144.D
Level 4	STD020 510-85568/6	A2145.D
Level 5	STD001 510-85568/2	A2141.D
Level 6	STD050 510-85568/7	A2146.D
Level 7	STD100 510-85568/8	A2147.D
Level 8	STD150 510-85568/9	A2148.D
Level 9	STD200 510-85568/10	A2149.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 9	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3302 0.3219	0.2763 0.2780	0.2672 0.2618	0.2744 0.2472		Ave		0.2821				10.0		15.0			
Chloromethane	0.2886 0.2450	0.1773 0.2292	0.2130 0.2219	0.2127 0.2071		Ave		0.2244			0.1000	14.0		15.0			
Vinyl chloride	0.2298 0.2366	0.1513 0.2165	0.2020 0.2061	0.2059 0.1900		Ave		0.2048				13.0		15.0			
Bromomethane	0.1065 0.1059	0.0390 0.1140	0.0879 0.1170	0.0833 0.1005		Lin	-0.071	0.1078							0.9900		0.9900
Chloroethane	0.1528 0.1367	0.1363 0.1290	0.1214 0.1227	0.1218 0.1155		Ave		0.1295				9.3		15.0			
Trichlorofluoromethane	0.3838 0.3819	0.3562 0.3202	0.3382 0.3133	0.3413 0.2960		Ave		0.3414				9.2		15.0			
1,2-Dichlorotrifluoroethane	0.3437 0.3263	0.3146 0.2904	0.2812 0.2776	0.2924 0.2571		Ave		0.2979				9.5		15.0			
Acrolein	0.0246 0.0228	0.0212 0.0207	0.0198 0.0207	0.0170 0.0193		Ave		0.0208				11.0		15.0			
1,1-Dichloroethene	0.3285 0.2872	0.2922 0.2521	0.2359 0.2366	0.2493 0.2156		Ave		0.2622				14.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1886 0.1806	0.1602 0.1609	0.1568 0.1554	0.1589 0.1477		Ave		0.1636				8.4		15.0			
Acetone	0.3628 0.0682	0.1959 0.0713	0.1130 0.0665	0.0957 0.0670		Lin	0.5353	0.0639							0.9990		0.9900
Iodomethane	0.0455 0.2013	0.0294 0.1979	0.0886 0.1874	0.1308 0.1811		Lin	-0.393	0.1882							0.9960		0.9900
Carbon disulfide	0.5290 0.5371	0.5237 0.4750	0.4328 0.4562	0.4631 0.4143		Ave		0.4789				9.7		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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 9	LVL 5		B	M1	M2								
Acetonitrile	0.0125	0.0125	0.0134 0.0118	0.0104 0.0102		Ave		0.0118				11.0		15.0			
Methyl acetate	0.2232 0.2065	0.2094 0.1905	0.1637 0.1832	0.1844 0.1788		Ave		0.1925				10.0		15.0			
Methylene Chloride	0.3309 0.2672	0.2837 0.2380	0.2379 0.2268	0.2459 0.2080		Ave		0.2548				15.0		15.0			
t-Butyl alcohol	0.0154 0.0155	0.0122 0.0152	0.0129 0.0147	0.0128 0.0142		Ave		0.0141				9.2		15.0			
Acrylonitrile	0.0635 0.0649	0.0698 0.0604	0.0449 0.0572	0.0536 0.0559		Ave		0.0588				13.0		15.0			
trans-1,2-Dichloroethene	0.3617 0.3227	0.3496 0.2806	0.2811 0.2662	0.2889 0.2452		Ave		0.2995				14.0		15.0			
Methyl tert-butyl ether	0.7129 0.6483	0.5391 0.5636	0.5726 0.5214	0.5880 0.4657		Ave		0.5764				13.0		15.0			
Hexane	0.1182 0.1019	0.0971 0.0889	0.0774 0.0868	0.0879 0.0838		Ave		0.0928				14.0		15.0			
1,1-Dichloroethane	0.4291 0.4038	0.4208 0.3668	0.3448 0.3442	0.3604 0.3138		Ave		0.3730			0.1000	11.0		15.0			
Vinyl acetate	0.4560 0.4394	0.4195 0.3632	0.3361 0.3312	0.3455 0.2706		Qua	-1.752	0.4881	-0.001						0.9980		0.9950
Isopropyl ether	0.7868 0.6995	0.7519 0.6045	0.6090 0.5600	0.6496 0.4938		Ave		0.6444				15.0		15.0			
Tert-butyl ethyl ether	0.7074 0.6611	0.6215 0.5820	0.5679 0.5439	0.5945 0.4880		Ave		0.5958				11.0		15.0			
cis-1,2-Dichloroethene	0.4040 0.3655	0.3691 0.3215	0.3152 0.3028	0.3247 0.2745		Ave		0.3347				12.0		15.0			
2,2-Dichloropropane	0.3279 0.2989	0.1960 0.2679	0.2487 0.2556	0.2672 0.2298		Ave		0.2615				15.0		15.0			
2-Butanone (MEK)	0.1345 0.0819	0.1088 0.0852	0.0808 0.0801	0.0836 0.0770		Lin2	0.1135	0.0788							0.9950		0.9900
1,3-Butadiene	0.0287 0.0221	0.0211 0.0217	0.0171 0.0207	0.0214 0.0200		Ave		0.0216				15.0		15.0			
Propionitrile	0.0977 0.0815	0.0700 0.0687	0.0584 0.0718	0.0692 0.0644		Lin	0.1721	0.0665							0.9930		0.9900
Ethyl acetate	0.2056 0.1767	0.1926 0.1618	0.1333 0.1550	0.1605 0.1456		Ave		0.1664				14.0		15.0			
Chlorobromomethane	0.2050 0.2059	0.1913 0.1853	0.1800 0.1779	0.1831 0.1639		Ave		0.1866				7.5		15.0			
Tetrahydrofuran	0.3732 0.1678	0.2184 0.1605	0.1726 0.1548	0.1511 0.1430		Lin2	0.4418	0.1434							0.9900		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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 9	LVL 5		B	M1	M2								
Chloroform	0.5952 0.4550	0.5250 0.4063	0.4071 0.3815	0.4118 0.3465		Lin2	0.4325	0.3929							0.9900		0.9900
1,1,1-Trichloroethane	0.3638 0.3701	0.3686 0.3354	0.2901 0.3229	0.3137 0.2991		Ave		0.3330				9.5		15.0			
Cyclohexane	0.1953 0.1849	0.1833 0.1632	0.1491 0.1580	0.1642 0.1507		Ave		0.1686				10.0		15.0			
1,1-Dichloropropene	0.3248 0.3069	0.2925 0.2716	0.2526 0.2610	0.2670 0.2410		Ave		0.2772				10.0		15.0			
Carbon tetrachloride	0.2648 0.2879	0.2602 0.2604	0.2282 0.2560	0.2388 0.2405		Ave		0.2546				7.3		15.0			
Benzene	1.1787 0.9989	1.0880 0.8428	0.9217 0.7636	0.9133 0.6717	1.2850	Qua	-0.210	1.0437	-0.002						0.9990		0.9950
1,2-Dichloroethane	0.3177 0.2885	0.3030 0.2612	0.2399 0.2476	0.2592 0.2258		Ave		0.2679				12.0		15.0			
Isobutanol	0.1484 0.0752	0.0796 0.0670	0.0696 0.0659	0.0652 0.0608		Lin	0.2427	0.0619							0.9960		0.9900
Tert-amyl methyl ether	0.7544 0.6832	0.6713 0.5995	0.5865 0.5566	0.6090 0.5028		Ave		0.6204				13.0		15.0			
n-Butanol	0.0017 0.0033	0.0025 0.0035	0.0027 0.0036	0.0026 0.0036		Lin	-0.457	0.0038							0.9950		0.9900
Trichloroethene	0.3115 0.3090	0.3008 0.2851	0.2677 0.2740	0.2759 0.2577		Ave		0.2852				7.0		15.0			
Methylcyclohexane	0.2415 0.2214	0.2068 0.1961	0.1811 0.1934	0.1925 0.1822		Ave		0.2019				10.0		15.0			
1,2-Dichloropropane	0.2701 0.2480	0.2437 0.2252	0.2006 0.2106	0.2143 0.1963		Ave		0.2261				11.0		15.0			
Dibromomethane	0.1625 0.1540	0.1503 0.1459	0.1260 0.1414	0.1328 0.1308		Ave		0.1430				8.8		15.0			
Dichlorobromomethane	0.3055 0.3261	0.2969 0.3077	0.2538 0.2985	0.2626 0.2745		Ave		0.2907				8.5		15.0			
2-Chloroethyl vinyl ether	0.0513 0.0605	0.0136 0.0625	0.0449 0.0625	0.0488 0.0611		Lin	-0.289	0.0626							0.9990		0.9900
cis-1,3-Dichloropropene	0.3584 0.3974	0.3180 0.3635	0.2943 0.3515	0.3206 0.3198		Ave		0.3404				9.7		15.0			
methyl isobutyl ketone	0.1748 0.1677	0.1583 0.1594	0.1306 0.1529	0.1379 0.1430		Ave		0.1531				9.8		15.0			
Toluene	1.1432 1.0173	1.1040 0.8653	0.9001 0.7833	0.9391 0.6939		Qua	-0.334	1.0651	-0.002						0.9990		0.9950
trans-1,3-Dichloropropene	0.2681 0.3275	0.2267 0.3031	0.2250 0.2987	0.2512 0.2772		Ave		0.2722				14.0		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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 9	LVL 5		B	M1	M2								
Ethyl methacrylate	0.2515 0.3016	0.2563 0.2784	0.2172 0.2781	0.2498 0.2528		Ave		0.2607				9.7		15.0			
1,1,2-Trichloroethane	0.2114 0.1932	0.1988 0.1768	0.1619 0.1726	0.1673 0.1591		Ave		0.1802				11.0		15.0			
Tetrachloroethene	0.2437 0.2274	0.2286 0.2049	0.1862 0.1956	0.1992 0.1848	0.2523	Ave		0.2136				12.0		15.0			
1,3-Dichloropropane	0.4218 0.3808	0.3757 0.3430	0.3234 0.3187	0.3318 0.2912		Ave		0.3483				12.0		15.0			
2-Hexanone	0.1388 0.1154	0.1145 0.1231	0.1109 0.1171	0.1106 0.1140		Ave		0.1181				7.8		15.0			
Chlorodibromomethane	0.1807 0.2528	0.1948 0.2514	0.1636 0.2500	0.1975 0.2360		Lin	-0.191	0.2438							0.9980		0.9900
Ethylene Dibromide	0.2225 0.2508	0.2241 0.2311	0.1892 0.2225	0.2145 0.2116		Ave		0.2208				7.9		15.0			
Chlorobenzene	2.1627 1.7668	1.8654 1.5525	1.5538 1.4373	1.6103 1.2872		Qua	-1.059	1.8693	-0.003		0.3000				1.0000		0.9950
1,1,1,2-Tetrachloroethane	0.5725 0.6634	0.5833 0.6139	0.4931 0.5979	0.5410 0.5558		Ave		0.5776				8.8		15.0			
Ethylbenzene	2.7047 2.3965	2.5425 2.0274	2.0817 1.8353	2.2144 1.6198		Qua	-0.924	2.5105	-0.004						0.9990		0.9950
m-Xylene & p-Xylene	2.0522 1.7620	1.9194 1.4378	1.6060 1.2724	1.6831 1.0917		Qua	0.0681	1.8408	-0.002						0.9990		0.9950
o-Xylene	2.1571 2.0448	2.1045 1.7654	1.7567 1.6285	1.8668 1.4481		Ave		1.8465				13.0		15.0			
Styrene	1.7498 1.7736	1.7104 1.5540	1.4500 1.4365	1.5372 1.2870		Ave		1.5623				11.0		15.0			
Bromoform	0.2166 0.3034	0.2138 0.3215	0.1966 0.3282	0.2334 0.3188		Lin	-0.914	0.3273			0.1000				0.9990		0.9900
Isopropylbenzene	2.6895 2.5109	2.4593 2.1979	2.1185 2.0390	2.1732 1.8196		Ave		2.2510				13.0		15.0			
1,1,2,2-Tetrachloroethane	0.7863 0.8026	0.7213 0.7343	0.5953 0.6952	0.6168 0.6222		Ave		0.6968			0.3000	11.0		15.0			
Bromobenzene	1.4003 1.2583	1.2225 1.1355	1.0772 1.0807	1.1311 1.0047		Ave		1.1638				11.0		15.0			
1,2,3-Trichloropropane	0.7702 0.8580	0.7243 0.8047	0.7183 0.7855	0.7040 0.7337		Ave		0.7623				6.9		15.0			
trans-1,4-Dichloro-2-butene	0.1451 0.1514	0.1282 0.1557	0.1024 0.1537	0.1190 0.1427		Ave		0.1373				14.0		15.0			
N-Propylbenzene	3.1747 2.8963	2.8256 2.4918	2.4749 2.2780	2.5609 2.0036		Ave		2.5882				14.0		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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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 9	LVL 5		B	M1	M2								
2-Chlorotoluene	2.2342 1.9378	1.9340 1.6718	1.6633 1.5675	1.6973 1.4459		Ave		1.7690				14.0		15.0			
1,3,5-Trimethylbenzene	2.3390 2.1061	1.9796 1.8715	1.7243 1.7389	1.8231 1.5541		Ave		1.8921				13.0		15.0			
4-Chlorotoluene	2.5946 2.1674	2.1165 1.8960	1.8543 1.7398	1.9327 1.5582		Qua	-1.798	2.2980	-0.004						1.0000		0.9950
tert-Butylbenzene	2.1103 1.9118	1.8685 1.7058	1.6128 1.6371	1.6625 1.4616		Ave		1.7463				12.0		15.0			
1,2,4-Trimethylbenzene	2.4350 2.2121	2.1512 1.9339	1.8787 1.8031	1.8913 1.6020		Ave		1.9884				13.0		15.0			
sec-Butylbenzene	2.9453 2.4338	2.3240 2.1483	2.0494 2.0222	2.1564 1.7936		Lin2	1.7219	2.0422							0.9900		0.9900
1,3-Dichlorobenzene	1.6040 1.4513	1.4043 1.3150	1.2462 1.2325	1.2662 1.1154		Ave		1.3294				11.0		15.0			
4-Isopropyltoluene	2.3593 2.1060	2.0723 1.8806	1.7579 1.7692	1.8357 1.5798		Ave		1.9201				13.0		15.0			
1,4-Dichlorobenzene	1.7054 1.4134	1.3572 1.2818	1.2214 1.2152	1.2239 1.0965		Ave		1.3144				14.0		15.0			
1,2,3-Trimethylbenzene	2.5505 2.2916	2.2413 2.0486	1.9328 1.8870	1.9937 1.6829		Ave		2.0785				13.0		15.0			
1,2-Dichlorobenzene	1.5010 1.3586	1.3479 1.2371	1.1218 1.1680	1.1667 1.0600		Ave		1.2451				12.0		15.0			
n-Butylbenzene	2.3583 1.7428	1.7189 1.5583	1.4830 1.4643	1.5488 1.3418		Lin2	1.6816	1.4646							0.9900		0.9900
1,2-Dibromo-3-Chloropropane	0.0813 0.1001	0.0779 0.1111	0.0631 0.1105	0.0742 0.1077		Lin	-0.326	0.1108							0.9990		0.9900
1,2,4-Trichlorobenzene	0.6799 0.5443	0.4883 0.5361	0.4353 0.5306	0.4672 0.5168		Ave		0.5248				14.0		15.0			
Hexachlorobutadiene	0.6658 0.2978	0.3644 0.2812	0.2758 0.2762	0.2686 0.2683		Lin	0.6140	0.2690							0.9990		0.9900
Naphthalene	1.1209 1.0749	0.9430 1.0683	0.8813 1.0572	0.8845 1.0037		Ave		1.0042				9.1		15.0			
1,2,3-Trichlorobenzene	0.4322 0.3176	0.2711 0.3264	0.2489 0.3326	0.2586 0.3276		Lin	-0.572	0.3322							1.0000		0.9900
1,2-Dichloroethane-d4 (Surr)	0.2389 0.2384	0.2431 0.2366	0.2410 0.2371	0.2365 0.2349	0.2360	Ave		0.2381				1.1		15.0			
Toluene-d8 (Surr)	0.9120 0.9369	0.9271 0.9392	0.9281 0.9320	0.9310 0.9496	0.9164	Ave		0.9303				1.2		15.0			
4-Bromofluorobenzene (Surr)	1.1046 1.1030	1.0744 1.1306	1.1067 1.1134	1.0905 1.1216	1.1093	Ave		1.1060				1.5		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.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-85568/3	A2142.D
Level 2	STD005 510-85568/4	A2143.D
Level 3	STD010 510-85568/5	A2144.D
Level 4	STD020 510-85568/6	A2145.D
Level 5	STD001 510-85568/2	A2141.D
Level 6	STD050 510-85568/7	A2146.D
Level 7	STD100 510-85568/8	A2147.D
Level 8	STD150 510-85568/9	A2148.D
Level 9	STD200 510-85568/10	A2149.D

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
Dichlorodifluoromethane	FB	Ave	12305 282282	26304 480441	48869 684238	100087 849923		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloromethane	FB	Ave	10755 214782	16884 396193	38970 579873	77568 712051		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl chloride	FB	Ave	8566 207452	14407 374165	36952 538713	75107 653380		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromomethane	FB	Lin	3969 92857	3714 196996	16087 305844	30394 345629		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroethane	FB	Ave	5695 119847	12979 222879	22211 320775	44402 397180		2.00 50.0	5.00 100	10.0 150	20.0 200	
Trichlorofluoromethane	FB	Ave	14303 334873	33917 553468	61874 818811	124478 1017834		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorotrifluoroethane	FB	Ave	12810 286105	29949 501968	51443 725367	106635 884012		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acrolein	FB	Ave	922 20072	2024 35980	3636 54390	6213 66736		2.01 50.2	5.02 100	10.0 151	20.1 201	
1,1-Dichloroethene	FB	Ave	12241 251803	27819 435796	43151 618331	90912 741514		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	7030 158372	15252 278078	28676 405988	57967 508054		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetone	FB	Lin	13520 59836	18655 123308	20679 173804	34918 230243		2.00 50.0	5.00 100	10.0 150	20.0 200	
Iodomethane	FB	Lin	1697 176484	2803 342105	16212 489625	47700 622660		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon disulfide	FB	Ave	19714 470960	49856 820976	79167 1192219	168880 1424680		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetonitrile	FB	Ave	 10981	 21527	2448 30887	3795 34986		 50.0	 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.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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	8317 181026	19936 329181	29950 478773	67259 614849		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylene Chloride	FB	Ave	12332 234323	27009 411390	43509 592814	89671 715370		2.00 50.0	5.00 100	10.0 150	20.0 200	
t-Butyl alcohol	FB	Ave	2289 54299	4635 105000	9464 153536	18701 196004		8.00 200	20.0 400	40.0 600	80.0 800	
Acrylonitrile	FB	Ave	2365 56947	6644 104399	8207 149501	19546 192369		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,2-Dichloroethene	FB	Ave	13481 282903	33284 484914	51415 695717	105348 843321		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl tert-butyl ether	FB	Ave	26567 568447	51327 974121	104745 1362601	214428 1601456		2.00 50.0	5.00 100	10.0 150	20.0 200	
Hexane	FB	Ave	4405 89366	9248 153678	14151 226876	32066 288125		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloroethane	FB	Ave	15992 354011	40064 633878	63070 899521	131451 1079071		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl acetate	FB	Qua	33986 770501	79876 1255502	122972 1731067	251990 1860866		4.00 100	10.0 200	20.0 300	40.0 400	
Isopropyl ether	FB	Ave	29324 613363	71589 1044727	111403 1463554	236890 1698164		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-butyl ethyl ether	FB	Ave	26365 579655	59168 1005933	103878 1421301	216791 1678198		2.00 50.0	5.00 100	10.0 150	20.0 200	
cis-1,2-Dichloroethene	FB	Ave	15058 320433	35142 555681	57665 791243	118400 943993		2.00 50.0	5.00 100	10.0 150	20.0 200	
2,2-Dichloropropane	FB	Ave	12222 262077	18664 462988	45487 668007	97432 790095		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Butanone (MEK)	FB	Lin2	5013 71805	10358 147178	14779 209235	30472 264735		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Butadiene	FB	Ave	1068 19384	2012 37435	3121 54044	7803 68866		2.00 50.0	5.00 100	10.0 150	20.0 200	
Propionitrile	DCB	Lin	1068 21853	2012 36244	3181 57574	7724 69300		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl acetate	FB	Ave	7663 154891	18339 279575	24382 405098	58541 500698		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobromomethane	FB	Ave	7641 180551	18213 320289	32926 464988	66788 563691		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrahydrofuran	DCB	Lin2	4079 45003	6281 84672	9393 124197	16867 153861		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroform	FB	Lin2	22184 398928	49982 702174	74464 997027	150194 1191641		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1-Trichloroethane	FB	Ave	13557 324542	35092 579758	53070 843859	114393 1028626		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.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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	7280 162097	17455 282059	27278 412812	59900 518375		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloropropene	FB	Ave	12105 269087	27844 469482	46213 682190	97369 828757		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon tetrachloride	FB	Ave	9870 252430	24770 450056	41749 669057	87072 827090		2.00 50.0	5.00 100	10.0 150	20.0 200	
Benzene	FB	Qua	43930 875822	103582 1456662	168607 1995452	333073 2309718	25076	2.00 50.0	5.00 100	10.0 150	20.0 200	1.00
1,2-Dichloroethane	FB	Ave	11841 252947	28850 451402	43877 647053	94541 776468		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isobutanol	FB	Lin	5532 65901	7581 115791	12740 172215	23781 208974		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-amyl methyl ether	FB	Ave	28114 599007	63912 1036092	107282 1454648	222099 1728886		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butanol	FB	Lin	4095 60244	12228 80774	25527 104687	35980 166653		127 1050	255 1350	510 1650	770 2700	
Trichloroethene	FB	Ave	11608 270933	28634 492839	48963 716122	100619 886075		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylcyclohexane	FB	Ave	9001 194107	19688 338900	33133 505487	70213 626424		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloropropane	FB	Ave	10066 217449	23203 389184	36692 550338	78140 675111		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dibromomethane	FB	Ave	6055 135027	14305 252234	23046 369526	48432 449709		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dichlorobromomethane	FB	Ave	11384 285959	28271 531774	46420 780067	95763 944030		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chloroethyl vinyl ether	FB	Lin	3827 106028	2593 216073	16420 326866	35607 420342		4.00 100	10.0 200	20.0 300	40.0 400	
cis-1,3-Dichloropropene	FB	Ave	13358 348405	30272 628218	53826 918555	116915 1099611		2.00 50.0	5.00 100	10.0 150	20.0 200	
methyl isobutyl ketone	FB	Ave	6516 147069	15070 275482	23890 399459	50305 491749		2.00 50.0	5.00 100	10.0 150	20.0 200	
Toluene	FB	Qua	42604 891967	105103 1495573	164651 2047088	342469 2386229		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,3-Dichloropropene	FB	Ave	9993 287168	21584 523783	41157 780519	91622 953060		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl methacrylate	FB	Ave	9372 264484	24398 481112	39739 726903	91114 869414		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloroethane	FB	Ave	7879 169439	18929 305658	29611 450936	61031 547097		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrachloroethene	FB	Ave	9083 199420	21765 354198	34057 511117	72662 635509	4924	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.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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	15718 333895	35767 592743	59149 832774	120989 1001385		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Hexanone	FB	Ave	5171 101192	10904 212795	20295 306056	40323 391934		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorodibromomethane	FB	Lin	6736 221669	18549 434443	29921 653352	72037 811708		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylene Dibromide	FB	Ave	8292 219926	21332 399344	34601 581384	78224 727677		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobenzene	CBZ	Qua	29962 603246	66084 1052786	107109 1473723	222386 1759756		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1,2-Tetrachloroethane	CBZ	Ave	7932 226502	20664 416295	33992 613082	74707 759788		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylbenzene	CBZ	Qua	37471 818241	90073 1374846	143496 1881833	305808 2214414		2.00 50.0	5.00 100	10.0 150	20.0 200	
m-Xylene & p-Xylene	CBZ	Qua	56861 1203225	135998 1950080	221408 2609387	464895 2984937		4.00 100	10.0 200	20.0 300	40.0 400	
o-Xylene	CBZ	Ave	29884 698165	74554 1197228	121095 1669850	257804 1979652		2.00 50.0	5.00 100	10.0 150	20.0 200	
Styrene	CBZ	Ave	24241 605571	60594 1053825	99954 1472967	212292 1759499		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromoform	CBZ	Lin	3001 103599	7574 217997	13554 336504	32236 435856		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isopropylbenzene	DCB	Ave	29397 673502	70718 1159442	115309 1635595	242616 1957815		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2,2-Tetrachloroethane	DCB	Ave	8595 215268	20741 387365	32401 557683	68857 669503		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromobenzene	DCB	Ave	15306 337512	35152 598998	58634 866922	126273 1081001		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichloropropane	DCB	Ave	8418 230139	20828 424507	39099 630100	78594 789448		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,4-Dichloro-2-butene	DCB	Ave	1586 40603	3685 82138	5572 123281	13281 153519		2.00 50.0	5.00 100	10.0 150	20.0 200	
N-Propylbenzene	DCB	Ave	34700 776875	81252 1314463	134710 1827269	285888 2155789		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chlorotoluene	DCB	Ave	24420 519768	55613 881904	90533 1257378	189483 1555727		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3,5-Trimethylbenzene	DCB	Ave	25566 564927	56923 987257	93854 1394835	203526 1672236		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Chlorotoluene	DCB	Qua	28360 581362	60860 1000161	100929 1395610	215762 1676580		2.00 50.0	5.00 100	10.0 150	20.0 200	
tert-Butylbenzene	DCB	Ave	23066 512786	53729 899834	87785 1313177	185595 1572685		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.: 510-69047-1 Analy Batch No.: 85568

SDG No.:

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

Calibration Start Date: 08/24/2011 11:54 Calibration End Date: 08/24/2011 16:20 Calibration ID: 4218

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
1,2,4-Trimethylbenzene	DCB	Ave	26615 593339	61857 1020151	102256 1446394	211138 1723779		2.00 50.0	5.00 100	10.0 150	20.0 200	
sec-Butylbenzene	DCB	Lin2	32193 652809	66826 1133261	111550 1622102	240738 1929896		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Dichlorobenzene	DCB	Ave	17532 389267	40381 693699	67832 988683	141358 1200174		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Isopropyltoluene	DCB	Ave	25788 564885	59589 992031	95681 1419162	204934 1699844		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,4-Dichlorobenzene	DCB	Ave	18641 379126	39027 676144	66482 974806	136633 1179848		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trimethylbenzene	DCB	Ave	27878 614666	64448 1080668	105202 1513624	222568 1810728		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorobenzene	DCB	Ave	16406 364411	38760 652571	61059 936890	130247 1140536		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butylbenzene	DCB	Lin2	25777 467480	49426 822046	80720 1174562	172901 1443758		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromo-3-Chloropropane	DCB	Lin	889 26843	2241 58622	3433 88642	8282 115935		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,4-Trichlorobenzene	DCB	Ave	7431 145997	14041 282790	23692 425642	52156 556046		2.00 50.0	5.00 100	10.0 150	20.0 200	
Hexachlorobutadiene	DCB	Lin	7277 79886	10479 148317	15014 221529	29984 288676		2.00 50.0	5.00 100	10.0 150	20.0 200	
Naphthalene	DCB	Ave	12252 288309	27115 563550	47967 848025	98745 1079980		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichlorobenzene	DCB	Lin	4724 85190	7795 172169	13546 266797	28868 352517		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloroethane-d4 (Surr)	FB	Ave	222583 209053	231465 204436	220422 206513	215653 201965	230268	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
Toluene-d8 (Surr)	FB	Ave	849696 821495	882666 811598	848859 811899	848841 816397	894184	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	301843 295860	308952 298201	301201 297707	304365 301714	309213	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

Report Date: 24-Aug-2011 14:11:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2141.D		
Lims ID:	STD001	Client ID:	
Inject. Date:	24-Aug-2011 11:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD001		
Misc. Info.:	510-0005435-002 =510-0005435-002		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	85568	Lims Sample ID:	2
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m		
Last Update:	24-Aug-2011 14:11:26	Calib Date:	24-Aug-2011 13:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	24-Aug-2011 14:11:26

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.599	0.015	99	975714	50.0	
* 2 Chlorobenzene-d5	82	8.802	8.802	0.0	81	367792	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.545	0.001	92	278744	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.273	0.001	0	230268	49.2	
$ 7 Toluene-d8 (Surr)	98	7.233	7.232	0.001	92	894184	49.8	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.158	0.007	91	309213	50.5	
47 Benzene	78	5.347	5.340	0.007	66	25076	1.15	
63 Tetrachloroethene	166	7.896	7.895	0.001	70	4924	1.11	

Report Date: 24-Aug-2011 14:11:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2141.D

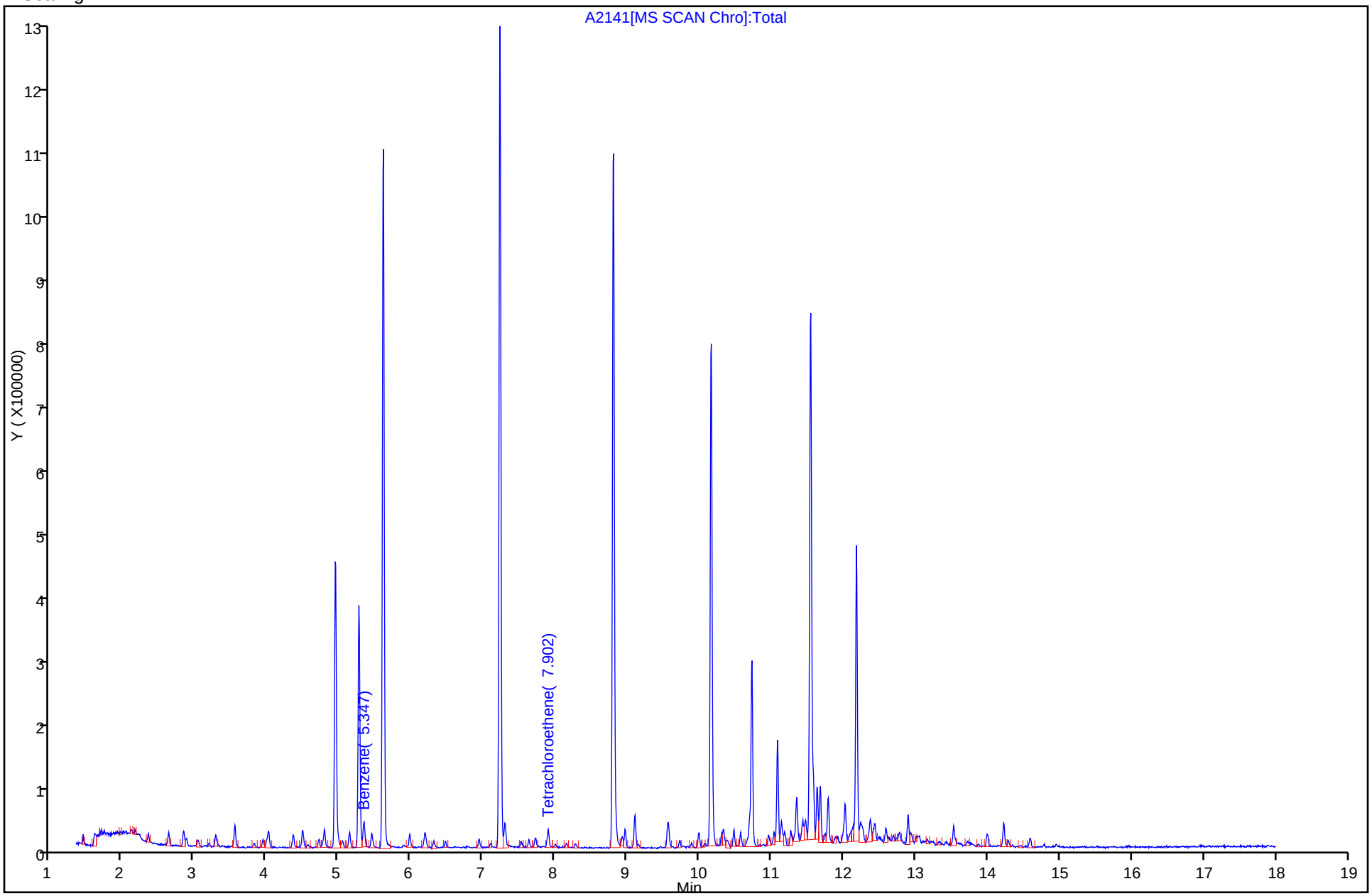
Injection Date: 24-Aug-2011 11:54:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 2

Operator ID: JLH

Y Scaling:



TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D
Lims ID: STD002 Client ID:
Inject. Date: 24-Aug-2011 12:27:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD002
Misc. Info.: 510-0005435-003 =510-0005435-003
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 85568 Lims Sample ID: 3
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 14:13:56 Calib Date: 24-Aug-2011 13:34:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 14:13:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.599	0.011	99	931711	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.802	0.002	81	346347	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.545	0.002	92	273257	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.273	0.002	0	222583	49.8	
$ 7 Toluene-d8 (Surr)	98	7.228	7.232	-0.004	91	849696	49.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.160	10.158	0.002	89	301843	50.3	
12 Dichlorodifluoromethane	85	1.443	1.447	-0.004	80	12305	2.27	
13 Chloromethane	50	1.601	1.605	-0.004	86	10755	2.00	
14 Vinyl chloride	62	1.704	1.702	0.002	75	8566	2.00	
15 Bromomethane	94	2.008	2.006	0.002	76	3969	5.33	
16 Chloroethane	64	2.106	2.104	0.002	80	5695	2.23	
17 Trichlorofluoromethane	101	2.349	2.353	-0.004	79	14303	2.14	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.629	2.633	-0.004	69	12810	2.20	
19 Acrolein	56	2.732	2.737	-0.004	67	922	2.26	
20 1,1-Dichloroethene	61	2.836	2.834	0.002	81	12241	2.00	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.848	2.846	0.002	79	7030	2.24	
22 Acetone	43	2.878	2.876	0.002	91	13520	2.00	
23 Iodomethane	142	2.970	2.974	-0.004	82	1697	3.84	
24 Carbon disulfide	76	3.037	3.041	-0.005	95	19714	2.14	
25 Methyl acetate	43	3.195	3.193	0.002	81	8317	2.00	
26 Methylene Chloride	84	3.286	3.284	0.002	69	12332	1.97	
27 2-Methyl-2-propanol	59	3.383	3.381	0.002	46	2289	9.11	
28 Acrylonitrile	53	3.505	3.503	0.002	80	2365	2.00	
29 trans-1,2-Dichloroethene	61	3.548	3.546	0.002	83	13481	2.19	
30 Methyl tert-butyl ether	73	3.554	3.552	0.002	81	26567	2.34	
31 Hexane	57	3.821	3.819	0.002	76	4405	1.70	
32 1,1-Dichloroethane	63	3.943	3.941	0.002	74	15992	2.16	
33 Vinyl acetate	43	3.992	3.992	0.0	98	33986	3.94	M
34 Isopropyl ether	45	4.016	4.020	-0.004	92	29324	5.97	
35 Tert-butyl ethyl ether	59	4.363	4.361	0.002	89	26365	2.24	

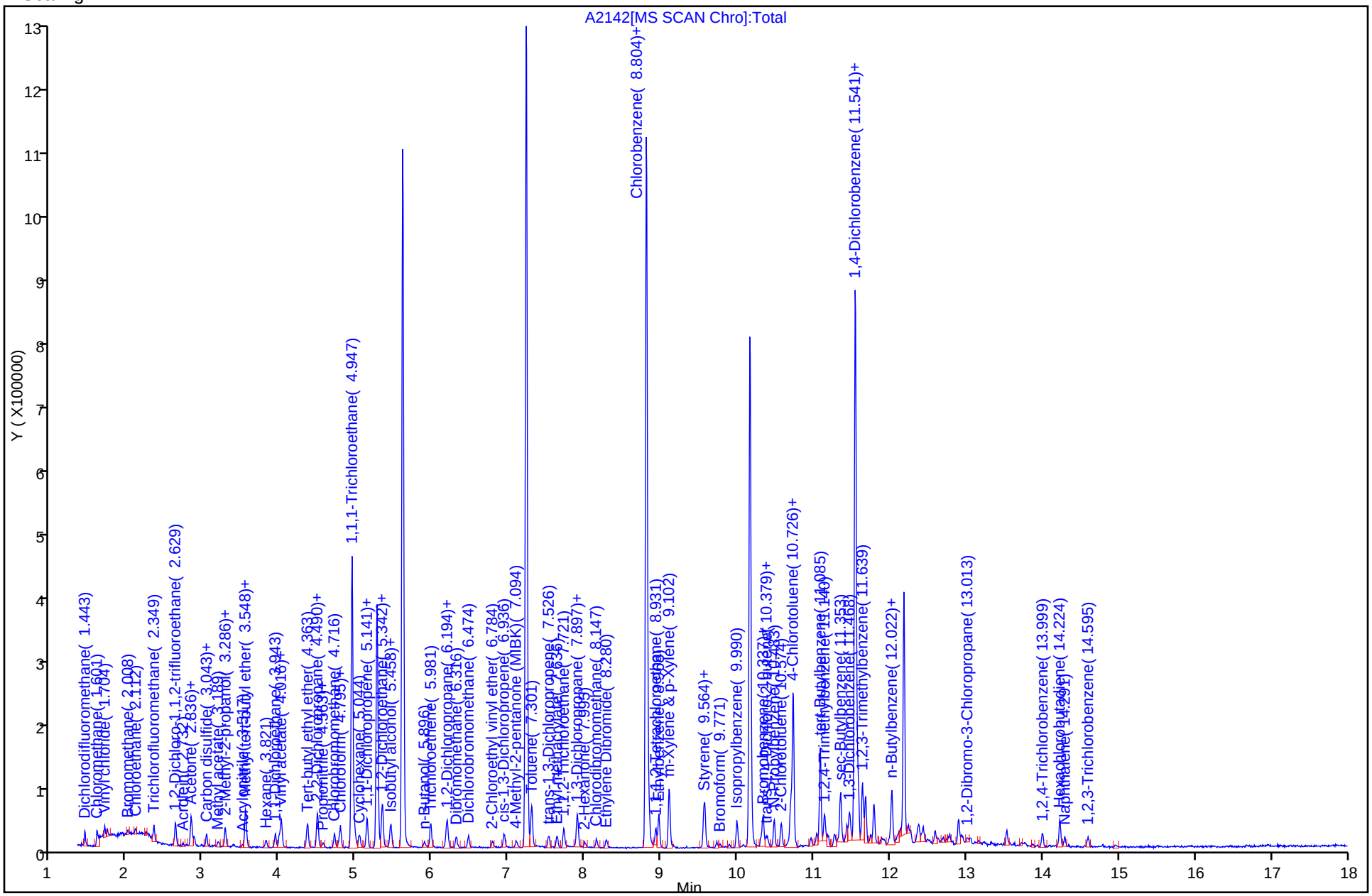
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
36 cis-1,2-Dichloroethene	61	4.490	4.489	0.001	81	15058	2.23	
37 2,2-Dichloropropane	77	4.503	4.495	0.008	76	12222	2.00	
38 2-Butanone (MEK)	43	4.503	4.495	0.008	39	5013	2.00	
103 Butadiene	54	4.551	4.551	0.0	0	1068	2.00	M
39 Propionitrile	54	4.551	4.551	0.0	1	1068	2.00	M
101 Ethyl acetate	43	4.563	4.562	0.001	0	7663	2.00	
40 Chlorobromomethane	130	4.716	4.720	-0.004	68	7641	2.13	
41 Tetrahydrofuran	42	4.764	4.762	0.002	87	4079	2.01	
42 Chloroform	83	4.795	4.793	0.002	74	22184	2.00	
43 1,1,1-Trichloroethane	97	4.983	4.981	0.002	84	13557	2.13	
44 Cyclohexane	56	5.044	5.042	0.002	74	7280	2.22	
45 Carbon tetrachloride	117	5.147	5.146	0.001	77	9870	2.11	
46 1,1-Dichloropropene	75	5.141	5.146	-0.005	86	12105	2.24	
47 Benzene	78	5.342	5.340	0.002	65	43930	2.11	
48 1,2-Dichloroethane	62	5.348	5.346	0.002	48	11841	2.22	
50 Isobutyl alcohol	41	5.458	5.458	0.0	3	5532	2.00	M
49 Tert-amyl methyl ether	73	5.452	5.456	-0.004	95	28114	2.25	
102 n-Butanol	56	5.902	5.894	0.008	0	4095	124.2	
51 Trichloroethene	132	5.975	5.979	-0.004	79	11608	2.12	
52 Methylcyclohexane	83	6.188	6.186	0.002	84	9001	2.30	
53 1,2-Dichloropropane	63	6.194	6.198	-0.004	83	10066	2.27	
54 Dibromomethane	93	6.316	6.314	0.002	83	6055	2.22	
55 Dichlorobromomethane	83	6.474	6.472	0.002	80	11384	2.14	
56 2-Chloroethyl vinyl ether	63	6.784	6.782	0.002	72	3827	12.1	
60 cis-1,3-Dichloropropene	75	6.936	6.940	-0.004	75	13358	2.22	
58 4-Methyl-2-pentanone (MIBK)	43	7.094	7.098	-0.004	73	6516	2.26	
59 Toluene	91	7.301	7.299	0.002	59	42604	2.18	
57 trans-1,3-Dichloropropene	75	7.526	7.524	0.002	73	9993	2.23	
61 Ethyl methacrylate	69	7.636	7.634	0.002	78	9372	2.08	
62 1,1,2-Trichloroethane	83	7.727	7.725	0.002	80	7879	2.22	
63 Tetrachloroethene	166	7.891	7.895	-0.004	89	9083	2.14	
64 1,3-Dichloropropane	76	7.903	7.907	-0.004	79	15718	2.26	
65 2-Hexanone	43	7.995	7.999	-0.004	85	5171	2.29	
66 Chlorodibromomethane	129	8.147	8.157	-0.010	66	6736	2.01	
67 Ethylene Dibromide	107	8.280	8.279	0.001	83	8292	2.10	
68 Chlorobenzene	112	8.840	8.840	0.0	0	29962	2.00	M
69 1,1,1,2-Tetrachloroethane	131	8.931	8.929	0.002	66	7932	2.08	
70 Ethylbenzene	91	8.968	8.966	0.002	91	37471	2.21	
71 m-Xylene & p-Xylene	91	9.102	9.106	-0.004	0	56861	4.42	
72 o-Xylene	91	9.558	9.556	0.002	87	29884	2.15	
73 Styrene	104	9.576	9.568	0.008	90	24241	2.14	
74 Bromoform	173	9.771	9.769	0.002	60	3001	2.07	
75 Isopropylbenzene	105	9.990	9.994	-0.004	88	29397	2.22	
76 1,1,2,2-Tetrachloroethane	83	10.337	10.329	0.008	45	8595	2.24	
77 Bromobenzene	77	10.337	10.335	0.002	83	15306	2.27	
78 1,2,3-Trichloropropane	75	10.379	10.377	0.002	30	8418	2.09	
79 trans-1,4-Dichloro-2-butene	53	10.398	10.402	-0.004	15	1586	2.00	
80 N-Propylbenzene	91	10.483	10.481	0.002	89	34700	2.25	
81 2-Chlorotoluene	91	10.580	10.572	0.008	70	24420	2.30	
82 1,3,5-Trimethylbenzene	105	10.690	10.694	-0.004	80	25566	2.32	
83 4-Chlorotoluene	91	10.702	10.700	0.002	91	28360	1.99	
84 tert-Butylbenzene	119	11.085	11.083	0.002	71	23066	2.26	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85	1,2,4-Trimethylbenzene	105	11.140	11.138	0.002	31	26615	2.26	
86	sec-Butylbenzene	105	11.347	11.345	0.002	79	32193	1.99	
87	1,3-Dichlorobenzene	146	11.462	11.466	-0.004	74	17532	2.26	
88	4-Isopropyltoluene	119	11.529	11.527	0.002	45	25788	2.29	
89	1,4-Dichlorobenzene	146	11.578	11.578	0.0	0	18641	2.00	M
99	1,2,3-Trimethylbenzene	105	11.645	11.643	0.002	0	27878	2.28	
91	1,2-Dichlorobenzene	146	12.022	12.020	0.002	71	16406	2.27	
90	n-Butylbenzene	91	12.022	12.026	-0.004	92	25777	2.00	
92	1,2-Dibromo-3-Chloropropane	157	12.977	12.969	0.008	1	889	2.19	
93	1,2,4-Trichlorobenzene	180	13.999	13.997	0.002	51	7431	2.01	
94	Hexachlorobutadiene	225	14.224	14.228	-0.004	78	7277	2.02	
95	Naphthalene	128	14.285	14.289	-0.004	78	12252	2.28	
96	1,2,3-Trichlorobenzene	180	14.595	14.593	0.002	52	4724	2.23	
S 98	Xylenes, Total	100				0		6.57	
S 97	Total 1,2-dichloroethene	100				0		4.41	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D
Injection Date: 24-Aug-2011 12:27:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 3
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

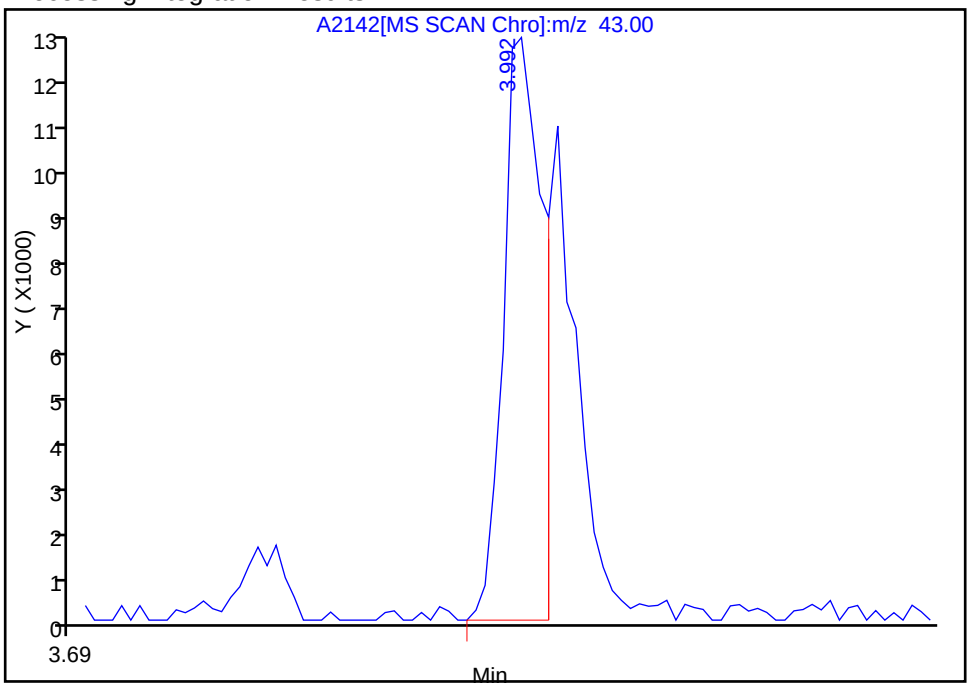
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D		
Injection Date:	24-Aug-2011 12:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	3
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

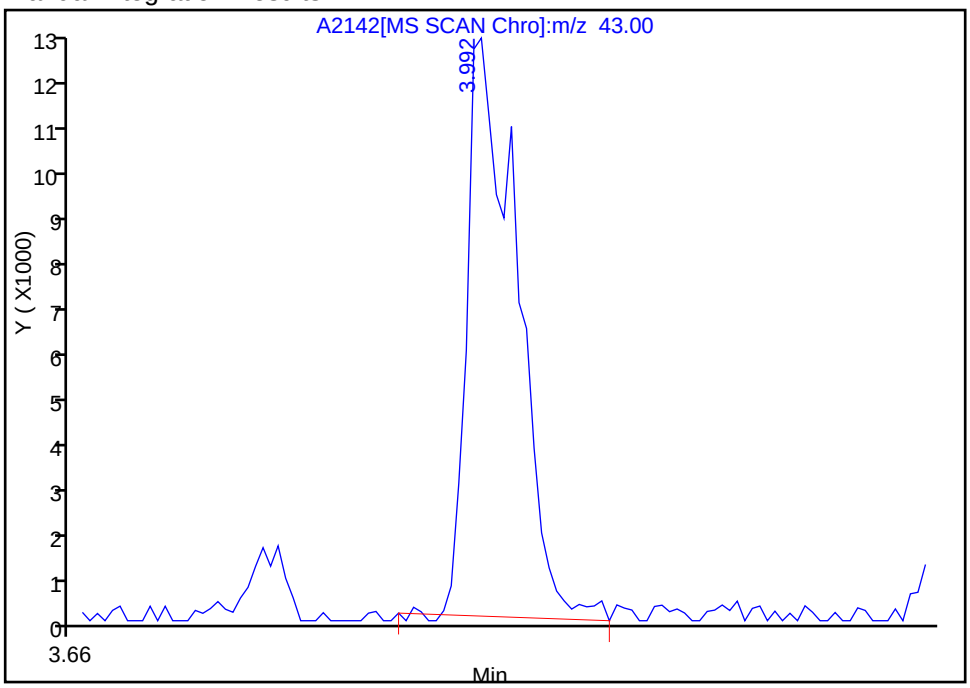
Processing Integration Results

RT: 3.99
Response: 22691
Amount: 4.000000



Manual Integration Results

RT: 3.99
Response: 33986
Amount: 3.944509



Reviewer: hallj, 24-Aug-2011 14:13:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D

Injection Date: 24-Aug-2011 12:27:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

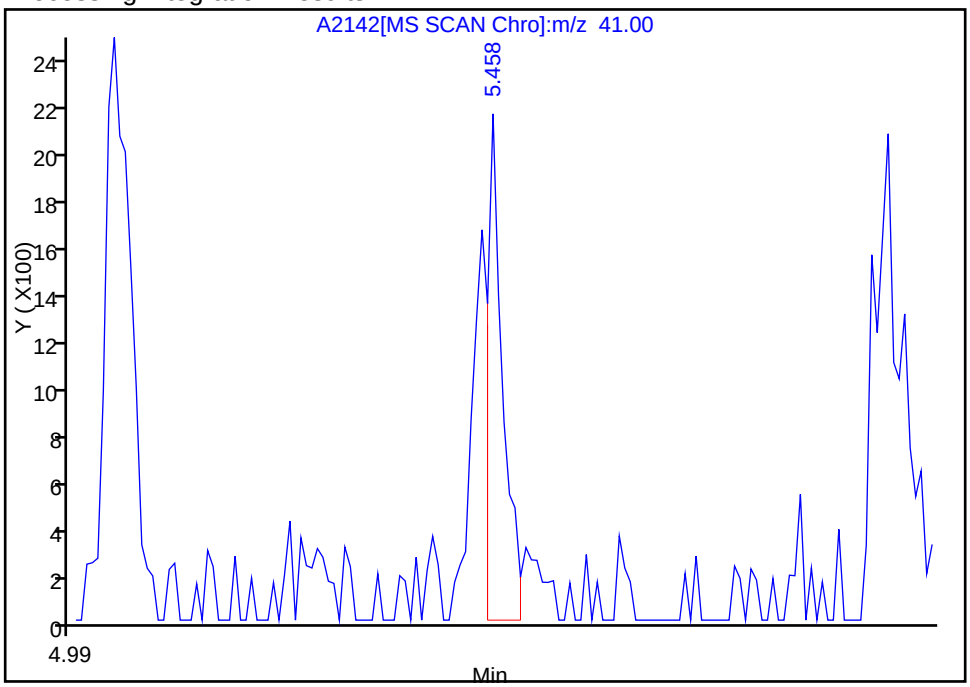
Lims Batch ID: 85568 Lims Sample ID: 3

Operator ID: JLH

50 Isobutyl alcohol, Signal: 1, m/z: 41.0 Type: quant, RT: 5.46

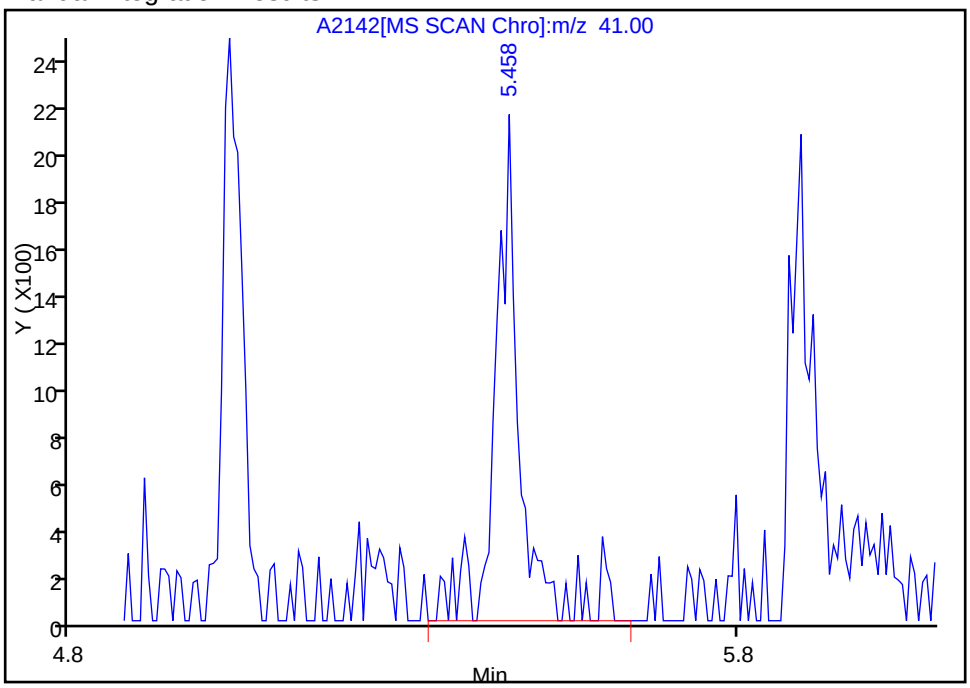
Processing Integration Results

RT: 5.46
Response: 2473
Amount: 1.846398



Manual Integration Results

RT: 5.46
Response: 5532
Amount: 2.000000



Reviewer: hallj, 24-Aug-2011 14:13:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

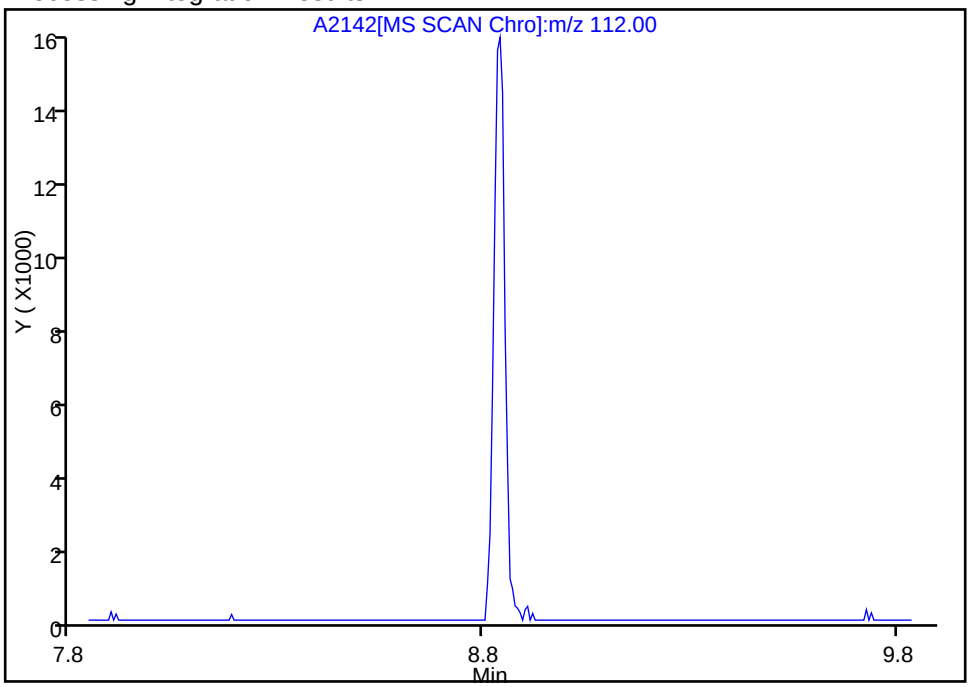
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D		
Injection Date:	24-Aug-2011 12:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	3
Operator ID:	JLH		

68 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.84

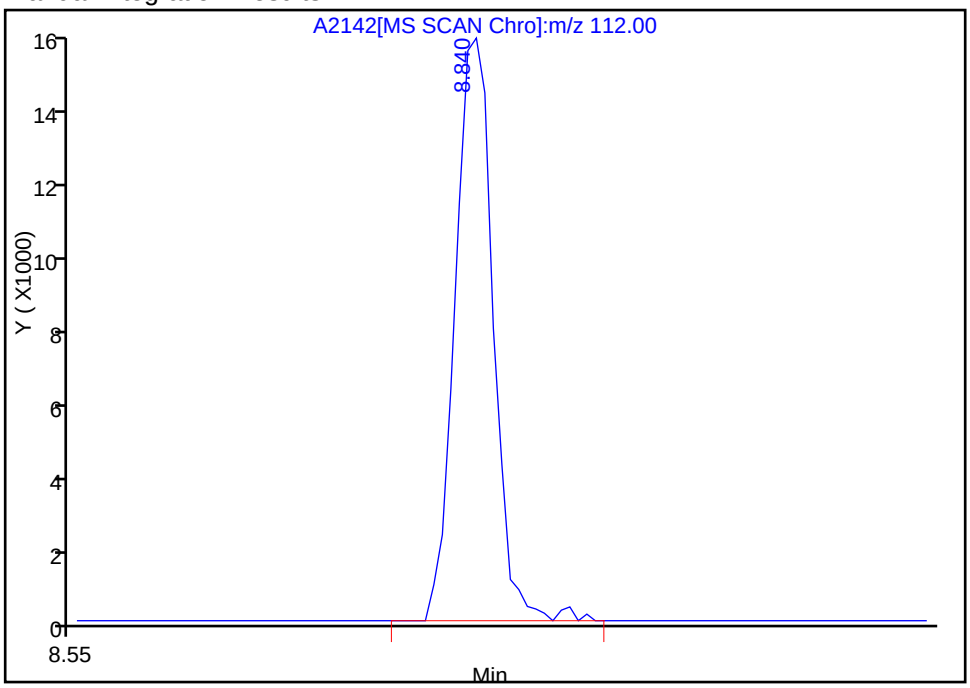
Processing Integration Results

Not Detected
Expected RT: 8.84



Manual Integration Results

RT: 8.84
Response: 29962
Amount: 2.000000



Reviewer: hallj, 24-Aug-2011 14:13:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

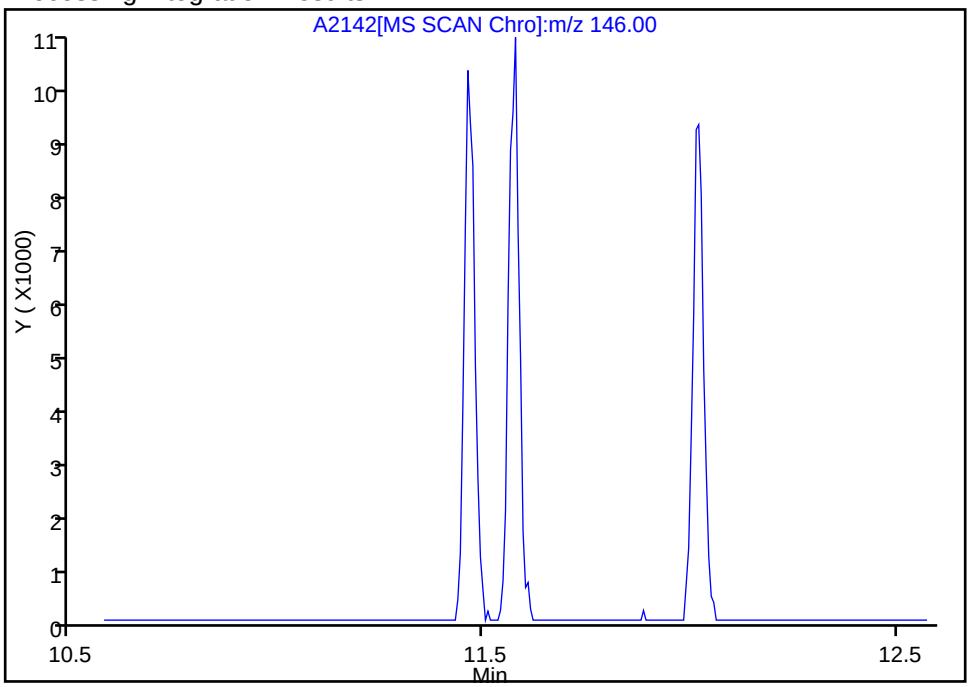
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D		
Injection Date:	24-Aug-2011 12:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	3
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.58

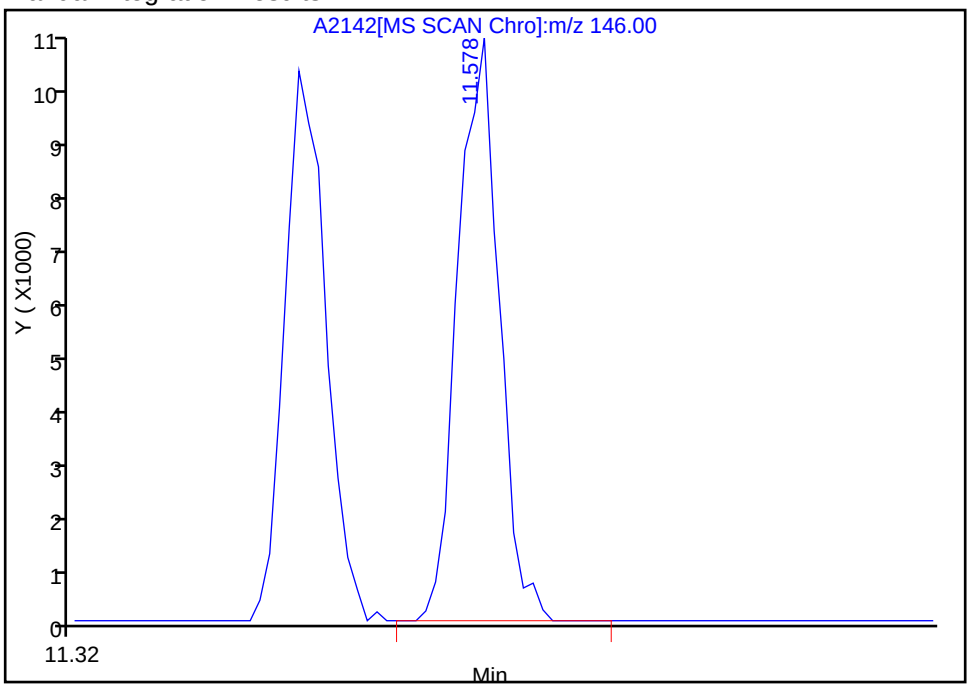
Processing Integration Results

Not Detected
Expected RT: 11.58



Manual Integration Results

RT: 11.58
Response: 18641
Amount: 2.000000



Reviewer: hallj, 24-Aug-2011 14:13:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

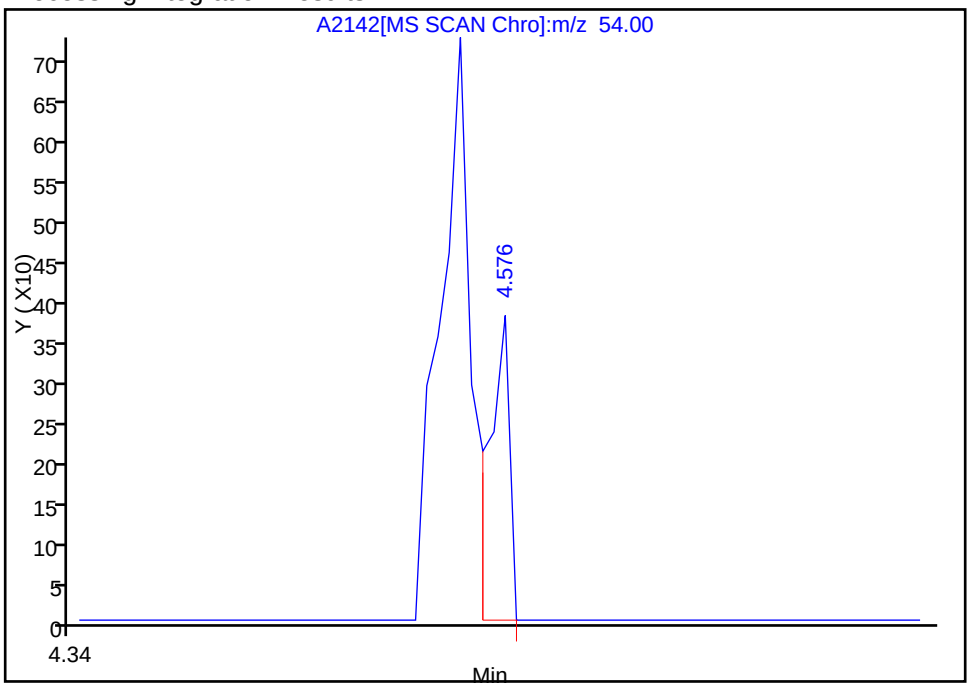
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D		
Injection Date:	24-Aug-2011 12:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	3
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

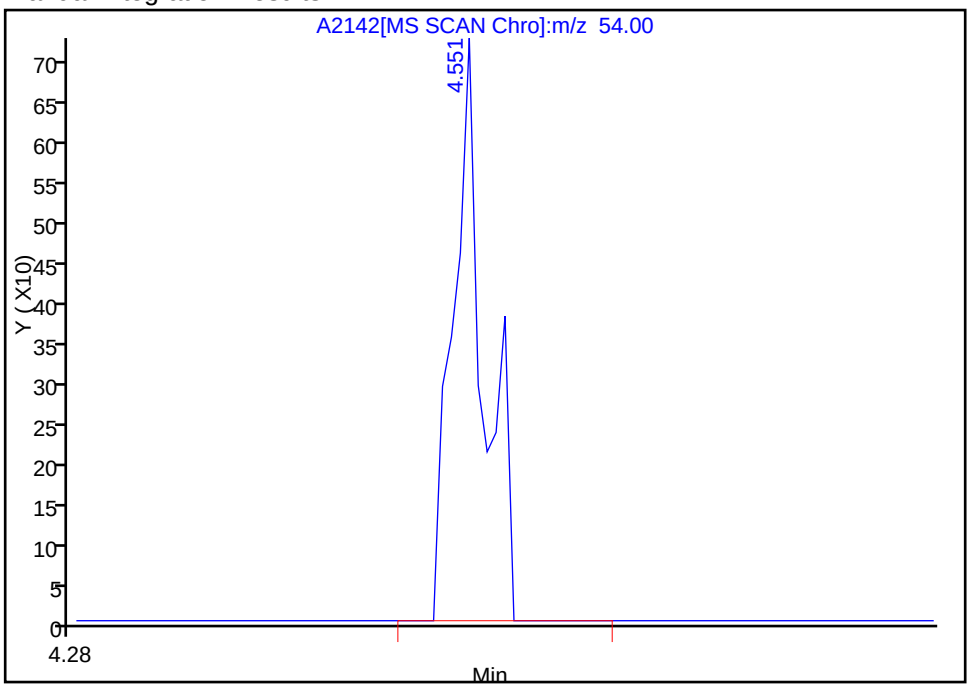
Processing Integration Results

RT: 4.58
Response: 299
Amount: 2.000000



Manual Integration Results

RT: 4.55
Response: 1068
Amount: 2.000000



Reviewer: hallj, 24-Aug-2011 14:13:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:13:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2142.D

Injection Date: 24-Aug-2011 12:27:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 3

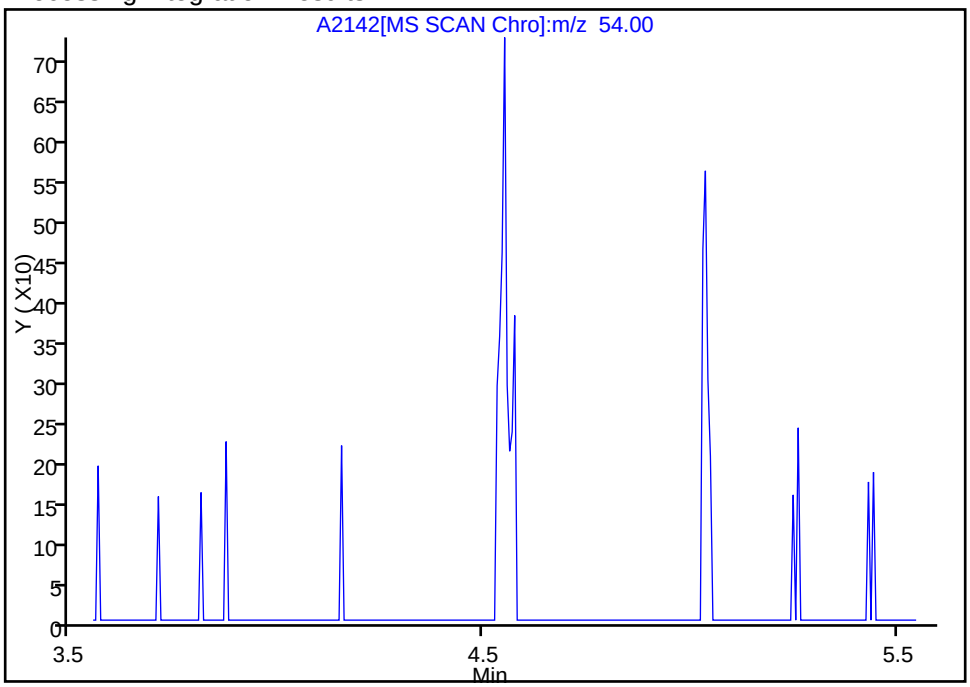
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

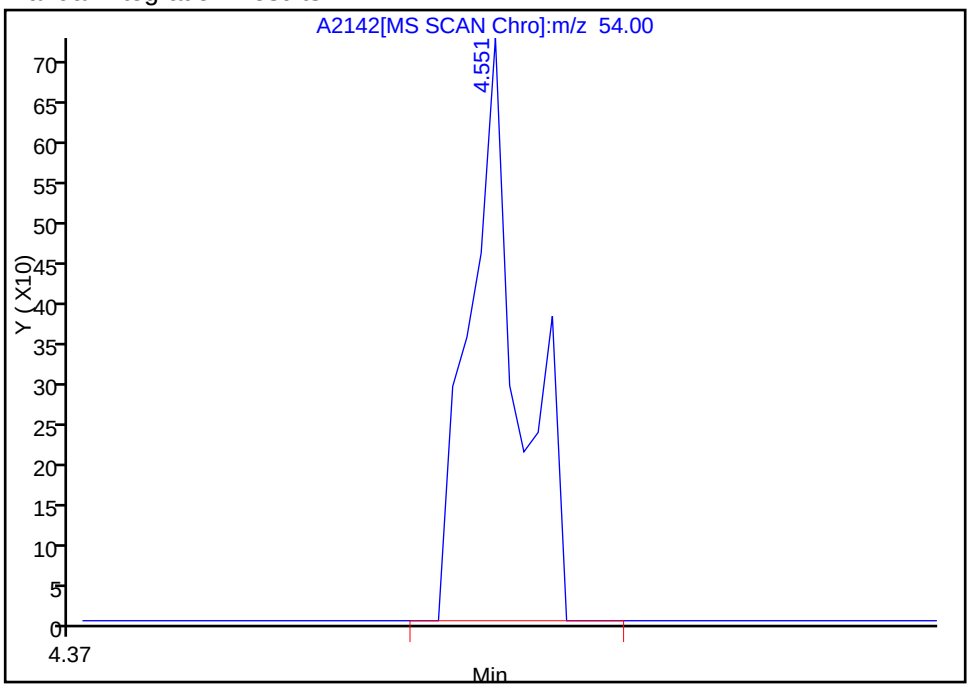


Manual Integration Results

RT: 4.55

Response: 1068

Amount: 2.000000



Reviewer: hallj, 24-Aug-2011 14:13:56

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D
Lims ID: STD005 Client ID:
Inject. Date: 24-Aug-2011 13:00:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD005
Misc. Info.: 510-0005435-004 =510-0005435-004
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 85568 Lims Sample ID: 4
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 14:18:23 Calib Date: 24-Aug-2011 13:34:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 14:18:23

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.599	0.011	99	952061	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.802	0.002	81	354265	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.542	11.545	-0.003	94	287552	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.276	5.273	0.003	0	231465	50.7	
$ 7 Toluene-d8 (Surr)	98	7.229	7.232	-0.003	91	882666	50.3	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.158	0.003	91	308952	48.9	
12 Dichlorodifluoromethane	85	1.443	1.447	-0.004	87	26304	4.74	
13 Chloromethane	50	1.608	1.605	0.003	88	16884	5.00	
14 Vinyl chloride	62	1.705	1.702	0.003	94	14407	5.00	
15 Bromomethane	94	2.015	2.006	0.009	84	3714	5.00	
16 Chloroethane	64	2.106	2.104	0.002	97	12979	4.98	
17 Trichlorofluoromethane	101	2.350	2.353	-0.003	75	33917	4.96	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.630	2.633	-0.003	79	29949	5.02	
19 Acrolein	56	2.739	2.737	0.003	62	2024	4.86	
20 1,1-Dichloroethene	61	2.836	2.834	0.002	94	27819	5.00	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.849	2.846	0.003	83	15252	4.75	
22 Acetone	43	2.879	2.876	0.003	93	18655	5.00	
23 Iodomethane	142	2.970	2.974	-0.004	52	2803	5.00	
24 Carbon disulfide	76	3.043	3.041	0.002	97	49856	5.29	
25 Methyl acetate	43	3.195	3.193	0.002	93	19936	5.00	
26 Methylene Chloride	84	3.287	3.284	0.003	76	27009	5.31	
27 2-Methyl-2-propanol	59	3.390	3.381	0.009	82	4635	18.0	
28 Acrylonitrile	53	3.512	3.503	0.009	88	6644	5.00	
29 trans-1,2-Dichloroethene	61	3.548	3.546	0.002	95	33284	5.28	
30 Methyl tert-butyl ether	73	3.554	3.552	0.002	85	51327	4.43	
31 Hexane	57	3.822	3.819	0.003	91	9248	5.47	
32 1,1-Dichloroethane	63	3.944	3.941	0.003	91	40064	5.28	
33 Vinyl acetate	43	3.992	3.992	0.0	99	79876	10.0	M
34 Isopropyl ether	45	4.023	4.023	0.0	1	71589	7.32	M
35 Tert-butyl ethyl ether	59	4.363	4.361	0.002	93	59168	4.91	

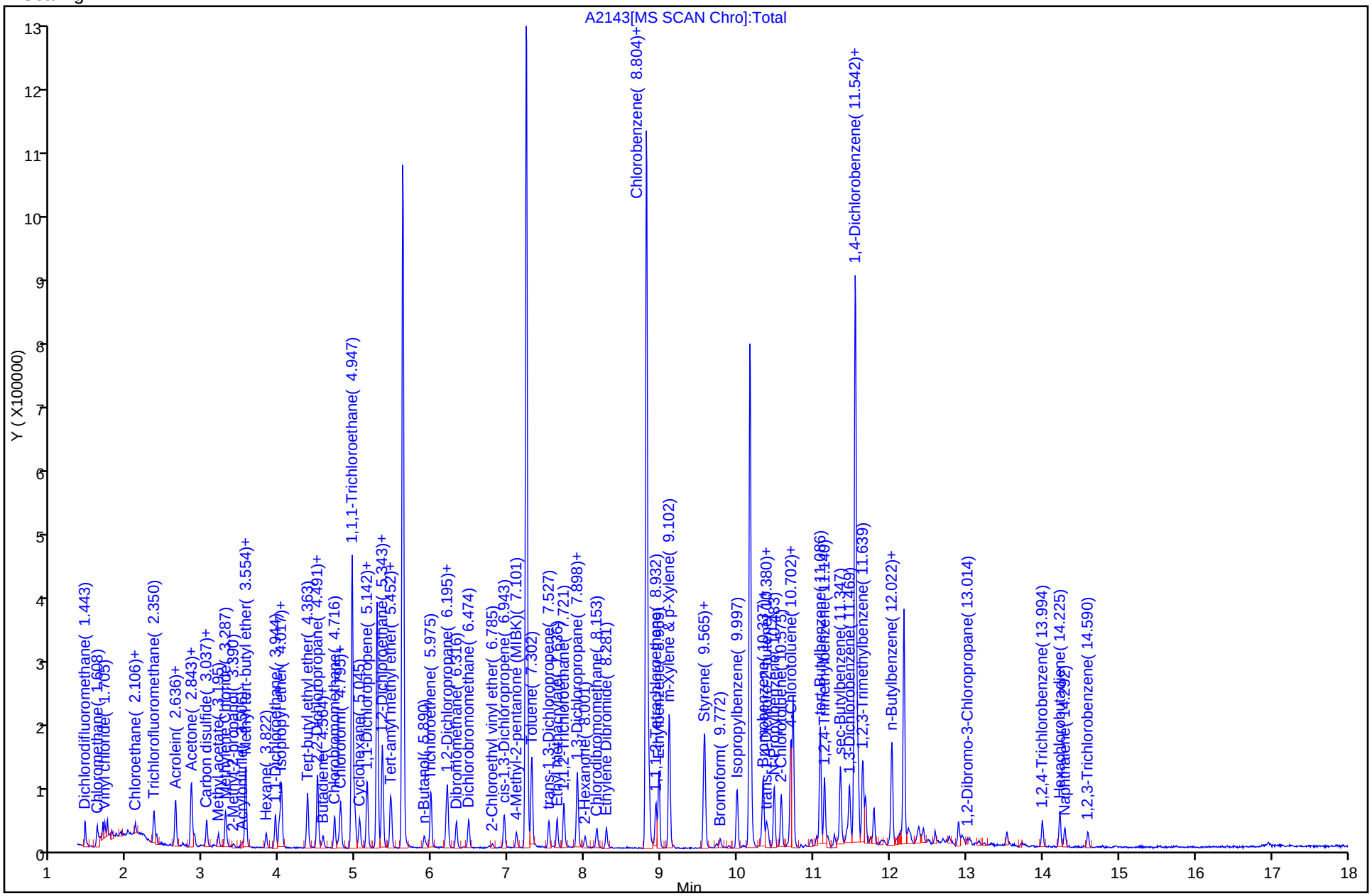
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
36 cis-1,2-Dichloroethene	61	4.491	4.489	0.002	87	35142	5.09	
37 2,2-Dichloropropane	77	4.497	4.495	0.002	56	18664	5.00	
38 2-Butanone (MEK)	43	4.497	4.495	0.002	44	10358	5.00	
39 Propionitrile	54	4.552	4.552	0.0	0	2012	5.00	M
103 Butadiene	54	4.552	4.552	0.0	0	2012	5.00	M
101 Ethyl acetate	43	4.570	4.562	0.008	0	18339	5.00	
40 Chlorobromomethane	130	4.722	4.720	0.002	78	18213	4.98	
41 Tetrahydrofuran	42	4.771	4.762	0.009	81	6281	4.89	
42 Chloroform	83	4.795	4.793	0.002	78	49982	5.00	
43 1,1,1-Trichloroethane	97	4.978	4.981	-0.003	89	35092	5.41	
44 Cyclohexane	56	5.045	5.042	0.003	87	17455	5.21	
45 Carbon tetrachloride	117	5.148	5.146	0.002	75	24770	5.18	
46 1,1-Dichloropropene	75	5.142	5.146	-0.004	90	27844	5.04	
47 Benzene	78	5.343	5.340	0.003	91	103582	4.86	
48 1,2-Dichloroethane	62	5.349	5.346	0.003	43	28850	5.28	
49 Tert-amyl methyl ether	73	5.452	5.456	-0.004	98	63912	5.00	
50 Isobutyl alcohol	41	5.452	5.458	-0.006	41	7581	5.00	
102 n-Butanol	56	5.890	5.894	-0.004	0	12228	272.0	
51 Trichloroethene	132	5.982	5.979	0.003	83	28634	5.13	
52 Methylcyclohexane	83	6.188	6.186	0.002	82	19688	4.93	
53 1,2-Dichloropropane	63	6.195	6.198	-0.004	89	23203	5.12	
54 Dibromomethane	93	6.316	6.314	0.002	85	14305	5.14	
55 Dichlorobromomethane	83	6.474	6.472	0.002	87	28271	5.20	
56 2-Chloroethyl vinyl ether	63	6.785	6.782	0.003	55	2593	10.0	
60 cis-1,3-Dichloropropene	75	6.943	6.940	0.003	83	30272	4.91	
58 4-Methyl-2-pentanone (MIBK)	43	7.101	7.098	0.003	82	15070	5.12	
59 Toluene	91	7.302	7.299	0.003	79	105103	5.26	
57 trans-1,3-Dichloropropene	75	7.527	7.524	0.003	80	21584	4.72	
61 Ethyl methacrylate	69	7.636	7.634	0.002	94	24398	5.30	
62 1,1,2-Trichloroethane	83	7.721	7.725	-0.004	80	18929	5.21	
63 Tetrachloroethene	166	7.898	7.895	0.003	71	21765	5.02	
64 1,3-Dichloropropane	76	7.904	7.907	-0.003	85	35767	5.03	
65 2-Hexanone	43	8.001	7.999	0.002	82	10904	4.72	
66 Chlorodibromomethane	129	8.153	8.157	-0.004	75	18549	5.42	
67 Ethylene Dibromide	107	8.281	8.279	0.002	90	21332	5.29	
68 Chlorobenzene	112	8.841	8.841	0.0	0	66084	5.33	M
69 1,1,1,2-Tetrachloroethane	131	8.926	8.929	-0.003	81	20664	5.31	
70 Ethylbenzene	91	8.969	8.966	0.003	95	90073	5.20	
71 m-Xylene & p-Xylene	91	9.102	9.106	-0.004	0	135998	10.3	
72 o-Xylene	91	9.559	9.556	0.003	90	74554	5.25	
73 Styrene	104	9.571	9.568	0.003	88	60594	5.23	
74 Bromoform	173	9.772	9.769	0.003	72	7574	5.11	
75 Isopropylbenzene	105	9.997	9.994	0.003	93	70718	5.08	
76 1,1,2,2-Tetrachloroethane	83	10.331	10.329	0.002	68	20741	5.14	
77 Bromobenzene	77	10.331	10.335	-0.004	89	35152	4.96	
78 1,2,3-Trichloropropane	75	10.380	10.377	0.003	32	20828	4.91	
79 trans-1,4-Dichloro-2-butene	53	10.404	10.402	0.002	30	3685	5.00	
80 N-Propylbenzene	91	10.483	10.481	0.002	96	81252	5.00	
81 2-Chlorotoluene	91	10.575	10.572	0.003	88	55613	4.97	
82 1,3,5-Trimethylbenzene	105	10.696	10.694	0.002	85	56923	4.91	
83 4-Chlorotoluene	91	10.702	10.700	0.002	95	60860	5.14	
84 tert-Butylbenzene	119	11.086	11.083	0.003	89	53729	5.01	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85	1,2,4-Trimethylbenzene	105	11.140	11.138	0.002	54	61857	4.99	
86	sec-Butylbenzene	105	11.347	11.345	0.002	91	66826	5.08	
87	1,3-Dichlorobenzene	146	11.463	11.466	-0.003	90	40381	4.95	
88	4-Isopropyltoluene	119	11.530	11.527	0.003	61	59589	5.02	
89	1,4-Dichlorobenzene	146	11.572	11.572	0.0	0	39027	5.00	M
99	1,2,3-Trimethylbenzene	105	11.645	11.643	0.002	0	64448	5.00	
91	1,2-Dichlorobenzene	146	12.022	12.020	0.002	83	38760	5.09	
90	n-Butylbenzene	91	12.029	12.026	0.003	94	49426	5.04	
92	1,2-Dibromo-3-Chloropropane	157	12.971	12.969	0.002	21	2241	5.26	
93	1,2,4-Trichlorobenzene	180	13.994	13.997	-0.003	82	14041	4.93	
94	Hexachlorobutadiene	225	14.225	14.228	-0.003	84	10479	4.84	
95	Naphthalene	128	14.292	14.289	0.003	93	27115	4.80	
96	1,2,3-Trichlorobenzene	180	14.590	14.593	-0.003	76	7795	4.62	
S 98	Xylenes, Total	100				0		15.6	
S 97	Total 1,2-dichloroethene	100				0		10.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D
Injection Date: 24-Aug-2011 13:00:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 4
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

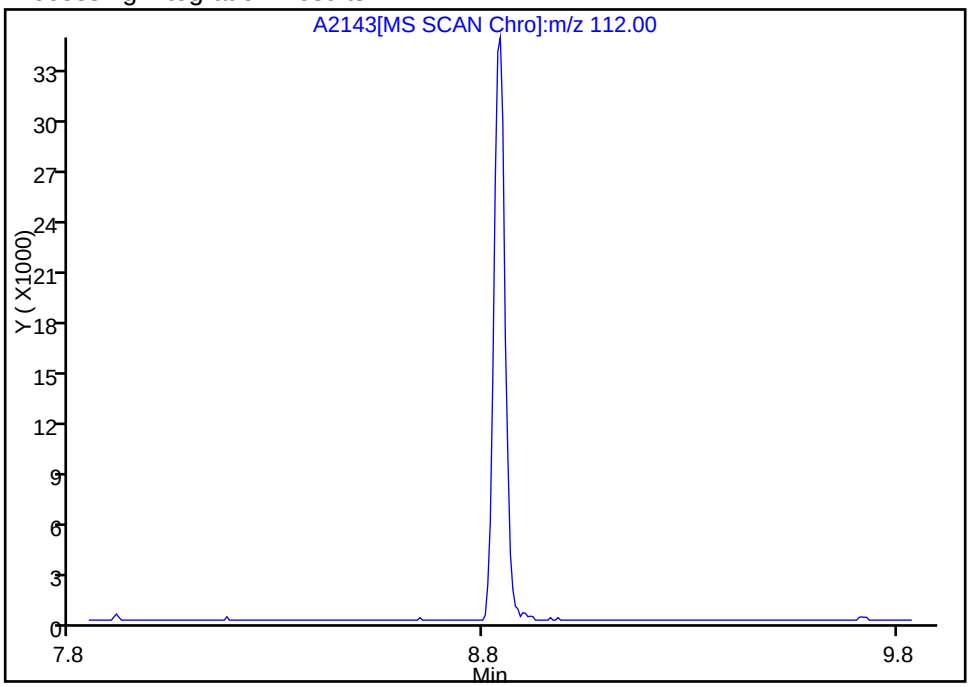
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D		
Injection Date:	24-Aug-2011 13:00:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	4
Operator ID:	JLH		

68 Chlorobenzene, Signal: 1, m/z: 112.0 Type: quant, RT: 8.84

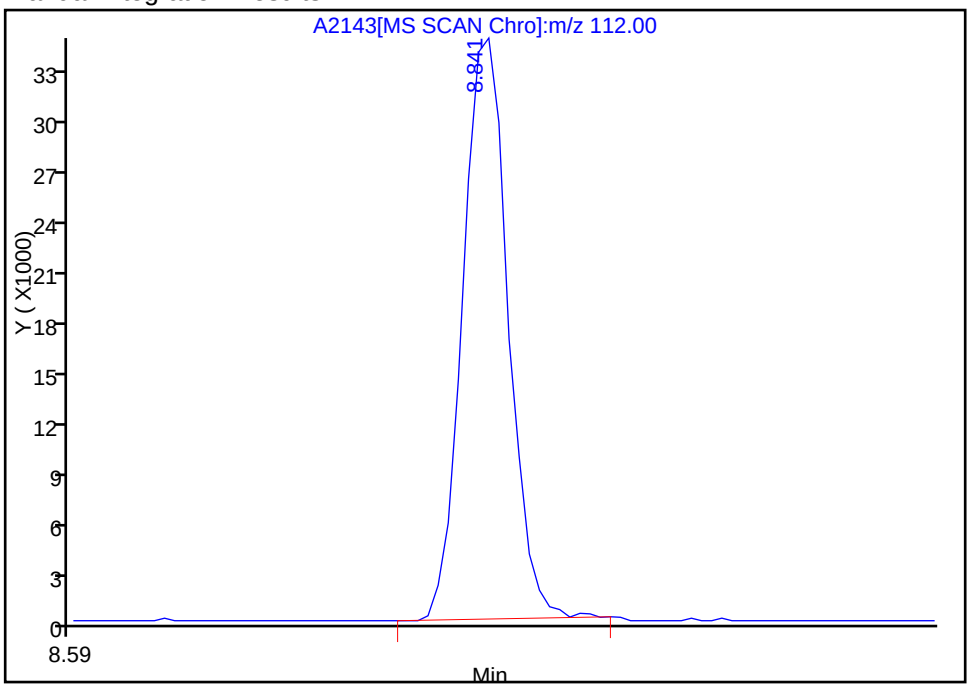
Processing Integration Results

Not Detected
Expected RT: 8.84



Manual Integration Results

RT: 8.84
Response: 66084
Amount: 5.329640



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

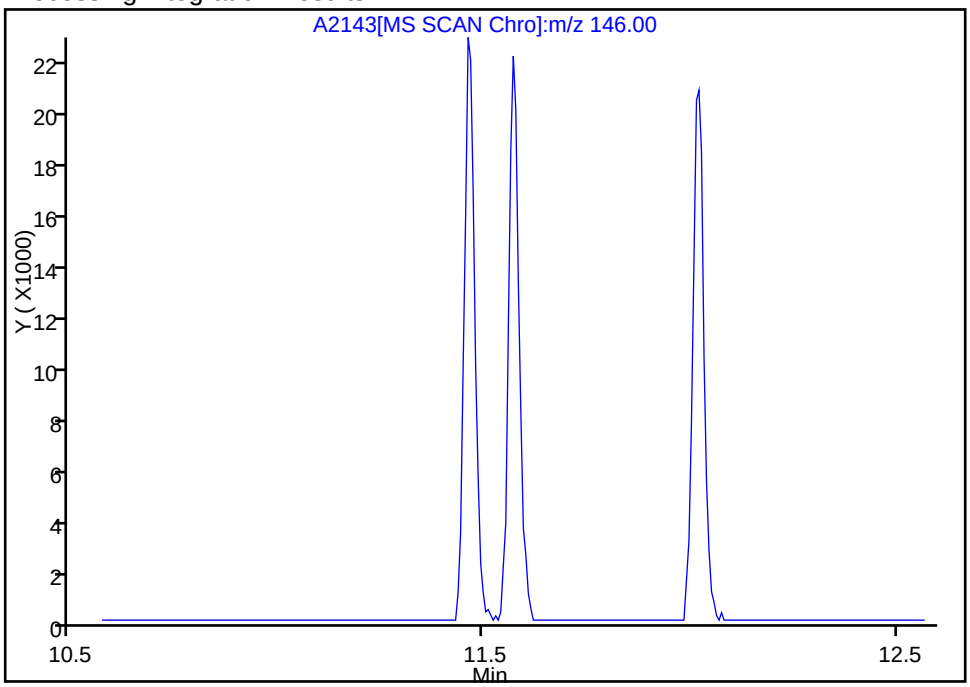
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D		
Injection Date:	24-Aug-2011 13:00:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	4
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.57

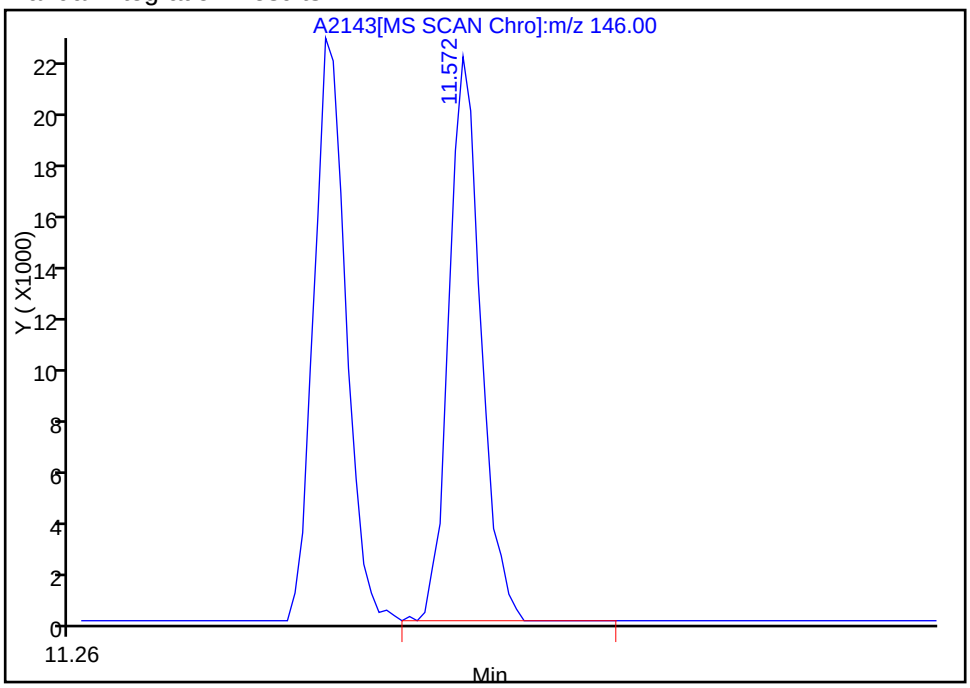
Processing Integration Results

Not Detected
Expected RT: 11.57



Manual Integration Results

RT: 11.57
Response: 39027
Amount: 5.000000



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

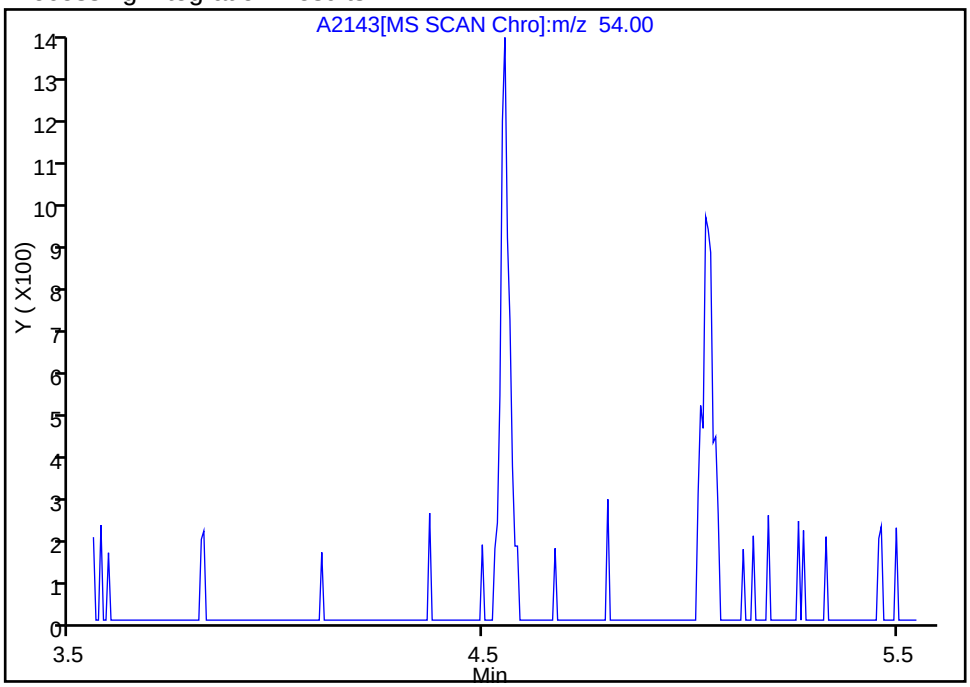
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D
Injection Date: 24-Aug-2011 13:00:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 4
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

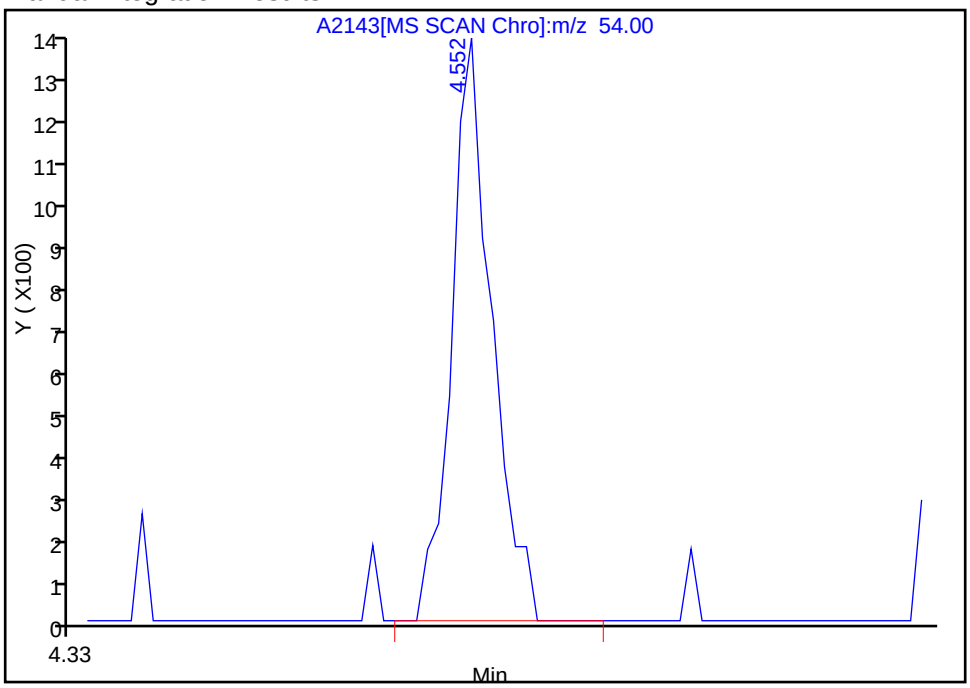
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.55
Response: 2012
Amount: 5.000000



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

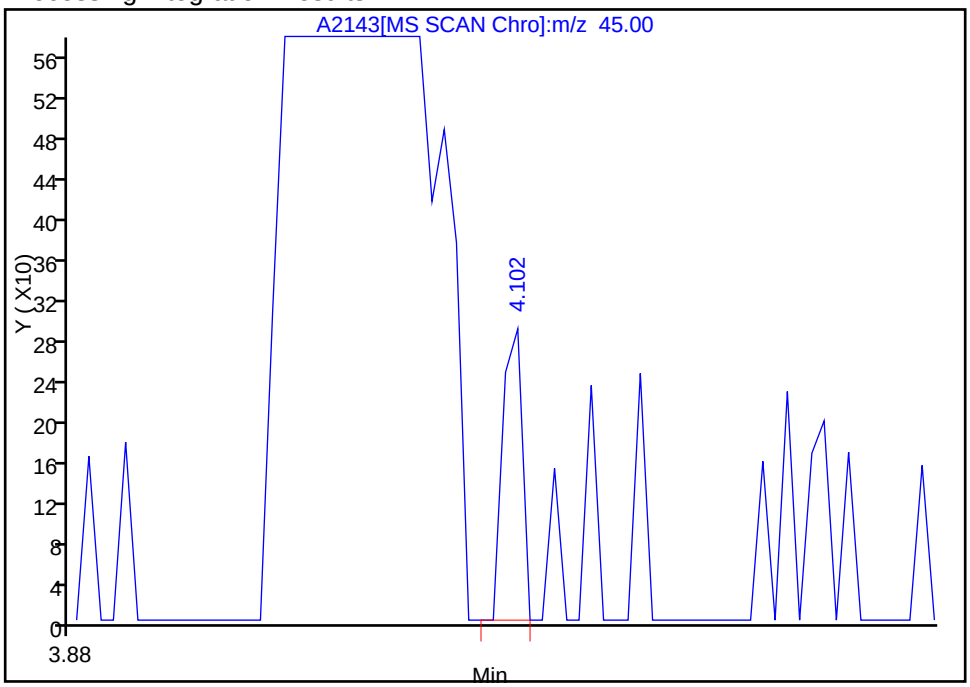
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D		
Injection Date:	24-Aug-2011 13:00:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	4
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

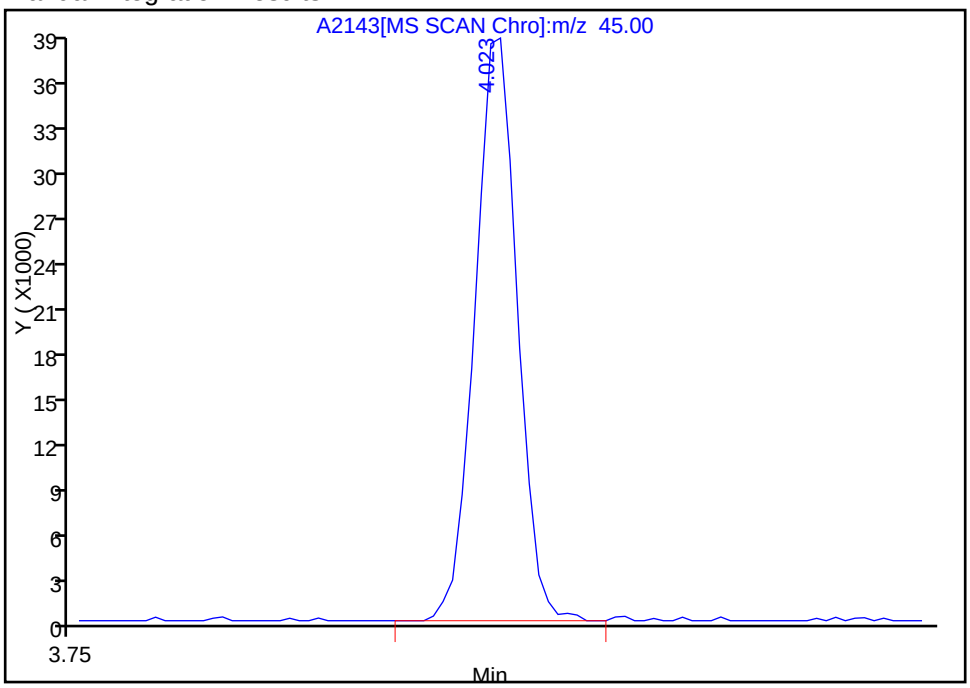
Processing Integration Results

RT: 4.10
Response: 195
Amount: 0.038871



Manual Integration Results

RT: 4.02
Response: 71589
Amount: 7.322819



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

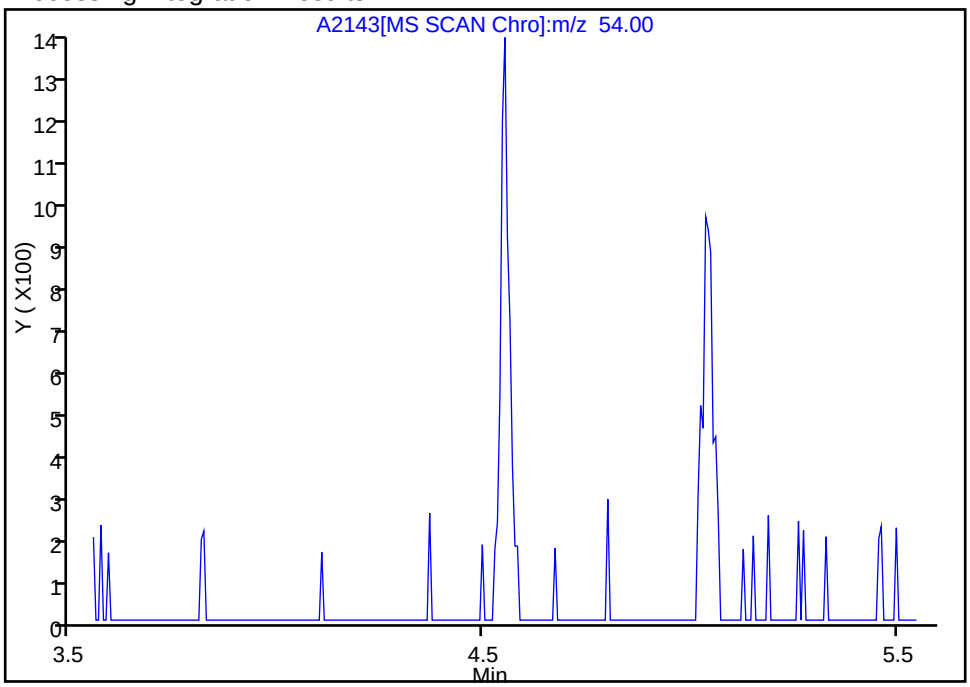
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D
Injection Date: 24-Aug-2011 13:00:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 4
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

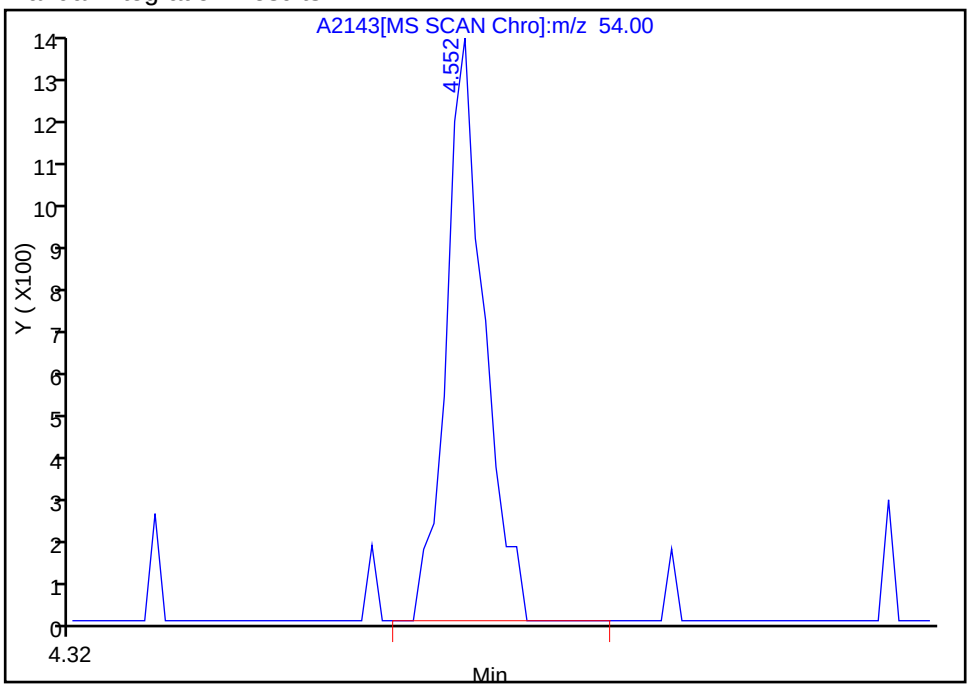
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 2012
Amount: 5.000000



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 14:18:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

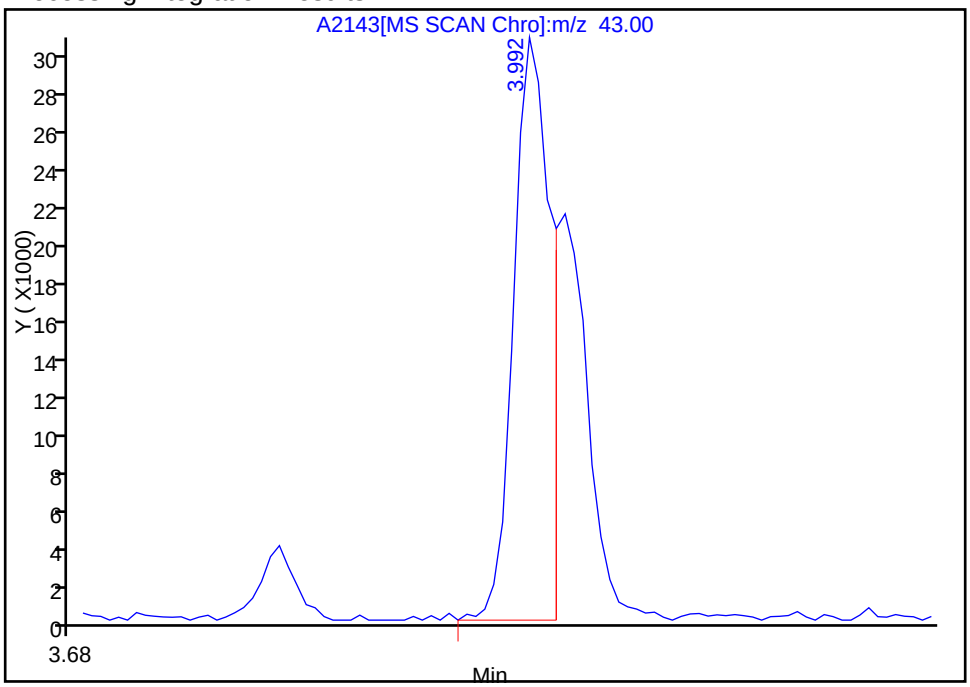
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2143.D		
Injection Date:	24-Aug-2011 13:00:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	4
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

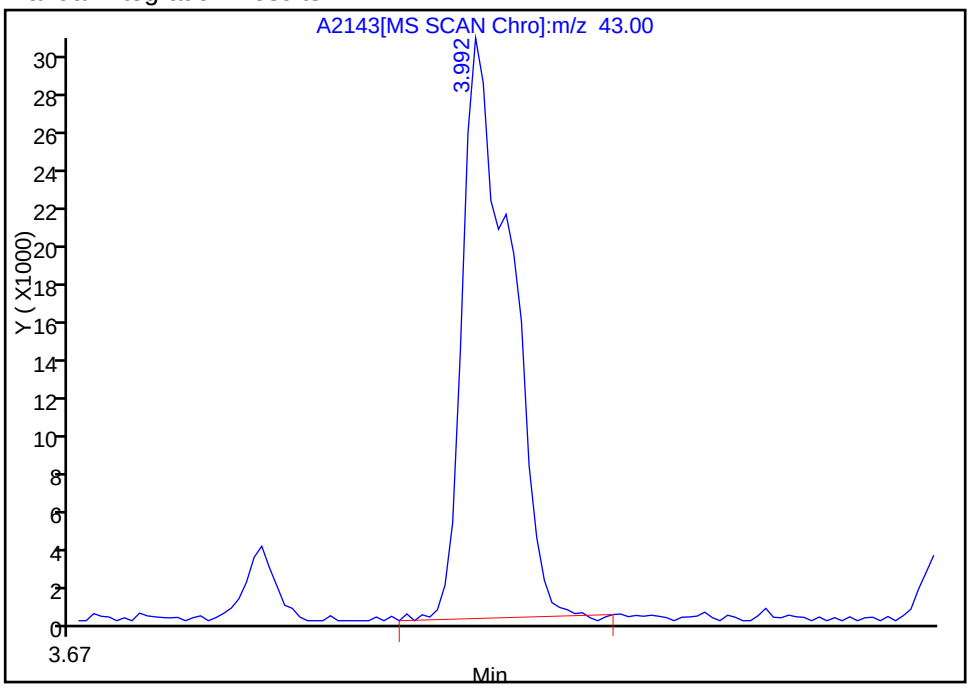
Processing Integration Results

RT: 3.99
Response: 54290
Amount: 10.554913



Manual Integration Results

RT: 3.99
Response: 79876
Amount: 10.000000



Reviewer: hallj, 24-Aug-2011 14:18:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D
Lims ID: STD010 Client ID:
Inject. Date: 24-Aug-2011 13:34:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD010
Misc. Info.: 510-0005435-005 =510-0005435-005
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 85568 Lims Sample ID: 5
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:10:20 Calib Date: 24-Aug-2011 15:47:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 14:19:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.614	0.0	99	914624	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.807	0.001	81	344666	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.545	0.001	93	272152	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.273	0.001	0	220422	50.5	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	848859	50.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.164	0.001	92	301201	50.1	
12 Dichlorodifluoromethane	85	1.447	1.446	0.001	86	48869	9.30	
13 Chloromethane	50	1.605	1.605	0.001	89	38970	9.39	
14 Vinyl chloride	62	1.703	1.702	0.001	82	36952	9.76	
15 Bromomethane	94	2.007	2.006	0.001	83	16087	10.8	
16 Chloroethane	64	2.104	2.103	0.001	92	22211	9.23	
17 Trichlorofluoromethane	101	2.347	2.347	0.0	92	61874	9.72	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.633	2.633	0.0	76	51443	9.26	
19 Acrolein	56	2.731	2.736	-0.005	60	3636	9.48	
20 1,1-Dichloroethene	61	2.834	2.833	0.001	95	43151	8.78	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.846	0.0	84	28676	9.45	
22 Acetone	43	2.877	2.876	0.001	93	20679	9.04	
23 Iodomethane	142	2.974	2.973	0.001	93	16212	7.76	
24 Carbon disulfide	76	3.041	3.040	0.001	97	79167	8.87	
104 Acetonitrile	40	3.138	3.133	0.005	0	2448	11.0	M
25 Methyl acetate	43	3.193	3.192	0.001	88	29950	8.42	
26 Methylene Chloride	84	3.284	3.284	0.0	76	43509	9.10	
27 2-Methyl-2-propanol	59	3.394	3.393	0.001	88	9464	36.7	
28 Acrylonitrile	53	3.503	3.509	-0.006	97	8207	7.58	
29 trans-1,2-Dichloroethene	61	3.546	3.545	0.001	79	51415	9.15	
30 Methyl tert-butyl ether	73	3.552	3.551	0.001	86	104745	9.67	
31 Hexane	57	3.820	3.819	0.001	90	14151	8.23	
32 1,1-Dichloroethane	63	3.941	3.941	0.0	82	63070	9.04	
33 Vinyl acetate	43	3.996	3.991	0.005	99	122972	17.5	M
34 Isopropyl ether	45	4.020	4.022	-0.002	1	111403	9.15	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.361	4.360	0.001	96	103878	9.29	
36 cis-1,2-Dichloroethene	61	4.495	4.488	0.007	84	57665	9.18	
37 2,2-Dichloropropane	77	4.495	4.494	0.001	63	45487	8.39	
38 2-Butanone (MEK)	43	4.501	4.500	0.001	46	14779	8.77	
39 Propionitrile	54	4.550	4.545	0.005	0	3181	7.77	M
103 Butadiene	54	4.550	4.551	-0.001	0	3121	7.65	M
101 Ethyl acetate	43	4.568	4.567	0.001	0	24382	7.87	
40 Chlorobromomethane	130	4.720	4.719	0.001	76	32926	9.48	
41 Tetrahydrofuran	42	4.769	4.768	0.001	79	9393	9.13	
42 Chloroform	83	4.799	4.792	0.007	79	74464	9.09	
43 1,1,1-Trichloroethane	97	4.982	4.981	0.001	87	53070	8.59	
44 Cyclohexane	56	5.042	5.042	0.0	84	27278	8.71	
46 1,1-Dichloropropene	75	5.140	5.139	0.001	92	46213	8.95	
45 Carbon tetrachloride	117	5.146	5.145	0.001	75	41749	8.89	
47 Benzene	78	5.340	5.340	0.0	73	168607	8.27	
48 1,2-Dichloroethane	62	5.353	5.346	0.007	54	43877	8.76	
50 Isobutyl alcohol	41	5.450	5.455	-0.005	40	12740	8.61	
49 Tert-amyl methyl ether	73	5.456	5.455	0.001	98	107282	9.20	
102 n-Butanol	56	5.894	5.894	0.0	0	25527	495.9	M
51 Trichloroethene	132	5.979	5.979	0.0	86	48963	9.26	
52 Methylcyclohexane	83	6.186	6.185	0.001	88	33133	8.85	
53 1,2-Dichloropropane	63	6.198	6.198	0.0	91	36692	8.71	
54 Dibromomethane	93	6.314	6.313	0.001	90	23046	8.71	
55 Dichlorobromomethane	83	6.472	6.471	0.001	88	46420	8.66	
56 2-Chloroethyl vinyl ether	63	6.788	6.788	0.0	82	16420	19.8	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	92	53826	8.57	
58 4-Methyl-2-pentanone (MIBK)	43	7.099	7.098	0.001	89	23890	8.45	
59 Toluene	91	7.305	7.305	0.0	77	164651	9.33	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	88	41157	8.29	
61 Ethyl methacrylate	69	7.634	7.633	0.001	92	39739	8.30	
62 1,1,2-Trichloroethane	83	7.725	7.724	0.001	89	29611	8.84	
63 Tetrachloroethene	166	7.896	7.895	0.001	87	34057	8.57	
64 1,3-Dichloropropane	76	7.908	7.907	0.001	85	59149	9.07	
65 2-Hexanone	43	7.999	7.998	0.001	94	20295	9.35	
66 Chlorodibromomethane	129	8.151	8.156	-0.005	86	29921	8.44	
67 Ethylene Dibromide	107	8.285	8.284	0.001	97	34601	8.52	
68 Chlorobenzene	112	8.838	8.838	0.0	76	107109	9.10	
69 1,1,1,2-Tetrachloroethane	131	8.930	8.929	0.001	83	33992	8.49	
70 Ethylbenzene	91	8.966	8.972	-0.006	95	143496	9.22	
71 m-Xylene & p-Xylene	91	9.106	9.105	0.001	0	221408	17.9	
72 o-Xylene	91	9.562	9.562	0.0	90	121095	9.23	
73 Styrene	104	9.575	9.574	0.001	93	99954	9.05	
74 Bromoform	173	9.769	9.775	-0.006	79	13554	9.19	
75 Isopropylbenzene	105	9.994	9.994	0.0	94	115309	9.16	
76 1,1,2,2-Tetrachloroethane	83	10.329	10.334	-0.005	73	32401	8.41	
77 Bromobenzene	77	10.335	10.334	0.001	91	58634	9.08	
78 1,2,3-Trichloropropane	75	10.384	10.383	0.001	30	39099	9.37	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.401	0.001	34	5572	7.50	
80 N-Propylbenzene	91	10.481	10.480	0.001	96	134710	9.26	
81 2-Chlorotoluene	91	10.572	10.572	0.0	92	90533	9.16	
82 1,3,5-Trimethylbenzene	105	10.694	10.693	0.001	91	93854	8.89	
83 4-Chlorotoluene	91	10.706	10.699	0.007	94	100929	9.08	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.083	11.083	0.0	91	87785	9.03	
85 1,2,4-Trimethylbenzene	105	11.144	11.137	0.007	29	102256	9.19	
86 sec-Butylbenzene	105	11.351	11.350	0.001	88	111550	8.92	
87 1,3-Dichlorobenzene	146	11.467	11.466	0.001	95	67832	9.16	
88 4-Isopropyltoluene	119	11.527	11.527	0.0	81	95681	8.93	
89 1,4-Dichlorobenzene	146	11.576	11.575	0.001	0	66482	9.08	M
99 1,2,3-Trimethylbenzene	105	11.643	11.648	-0.005	0	105202	9.05	
91 1,2-Dichlorobenzene	146	12.020	12.019	0.001	86	61059	8.82	
90 n-Butylbenzene	91	12.026	12.025	0.001	93	80720	8.86	
92 1,2-Dibromo-3-Chloropropane	157	12.969	12.962	0.007	25	3433	9.06	
93 1,2,4-Trichlorobenzene	180	13.997	13.997	0.0	87	23692	8.28	
94 Hexachlorobutadiene	225	14.222	14.228	-0.006	84	15014	8.45	
95 Naphthalene	128	14.289	14.289	0.0	95	47967	8.77	
96 1,2,3-Trichlorobenzene	180	14.587	14.593	-0.006	83	13546	9.38	
S 98 Xylenes, Total	100				0		27.1	
S 97 Total 1,2-dichloroethene	100				0		18.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D

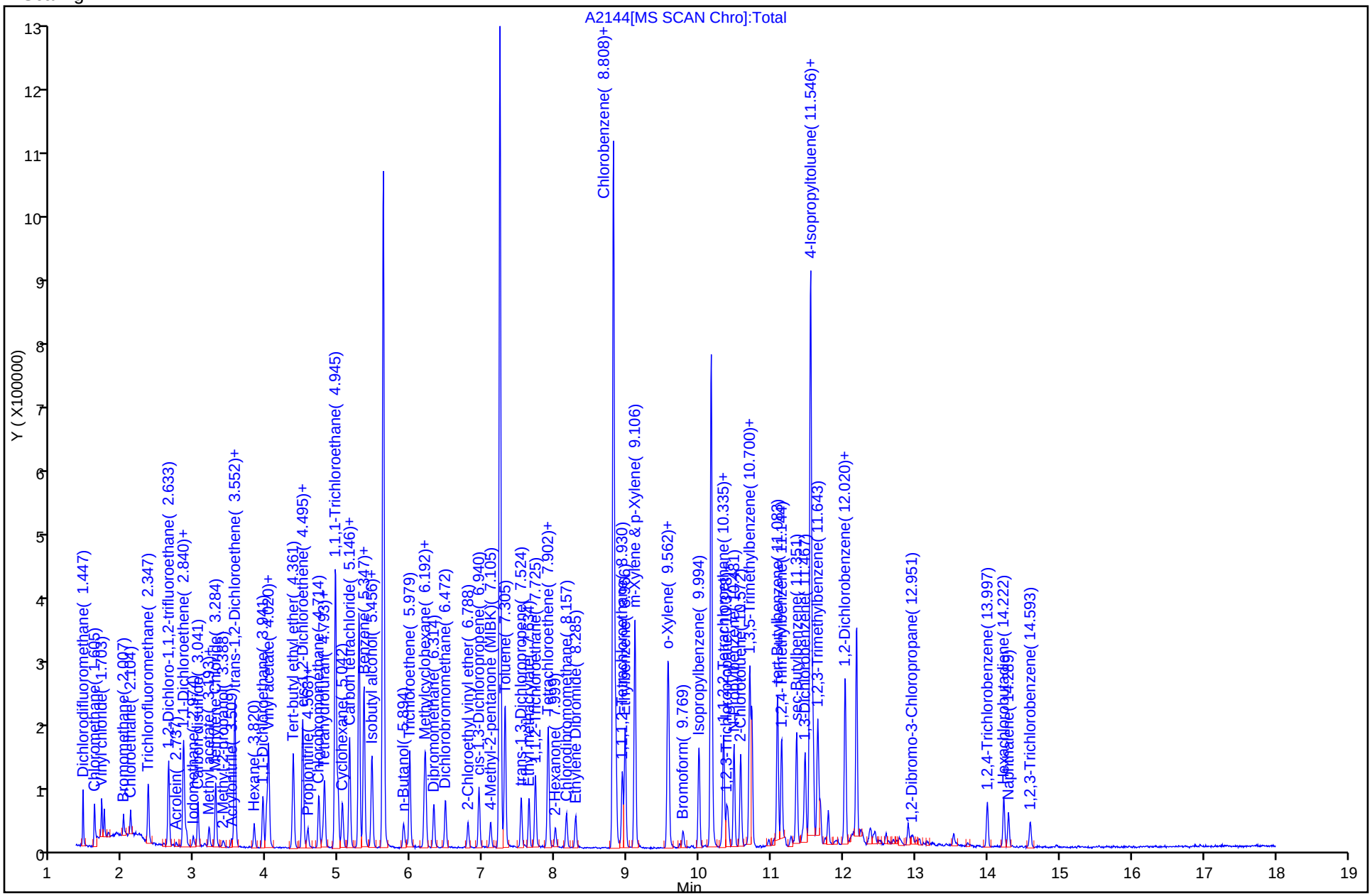
Injection Date: 24-Aug-2011 13:34:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 5

Operator ID: JLH

Y Scaling:



Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D

Injection Date: 24-Aug-2011 13:34:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 5

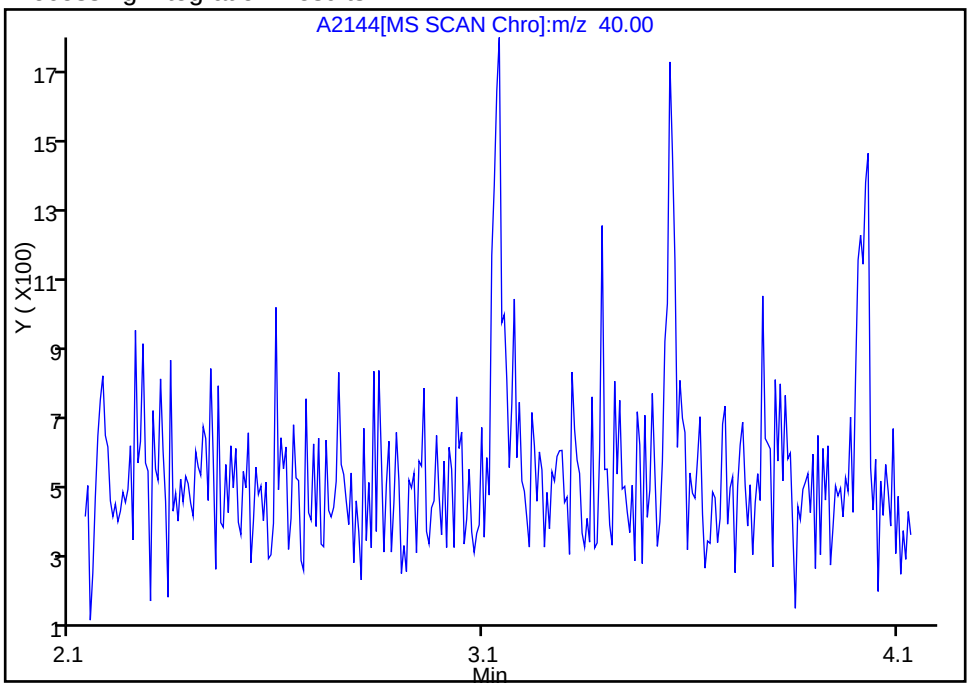
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

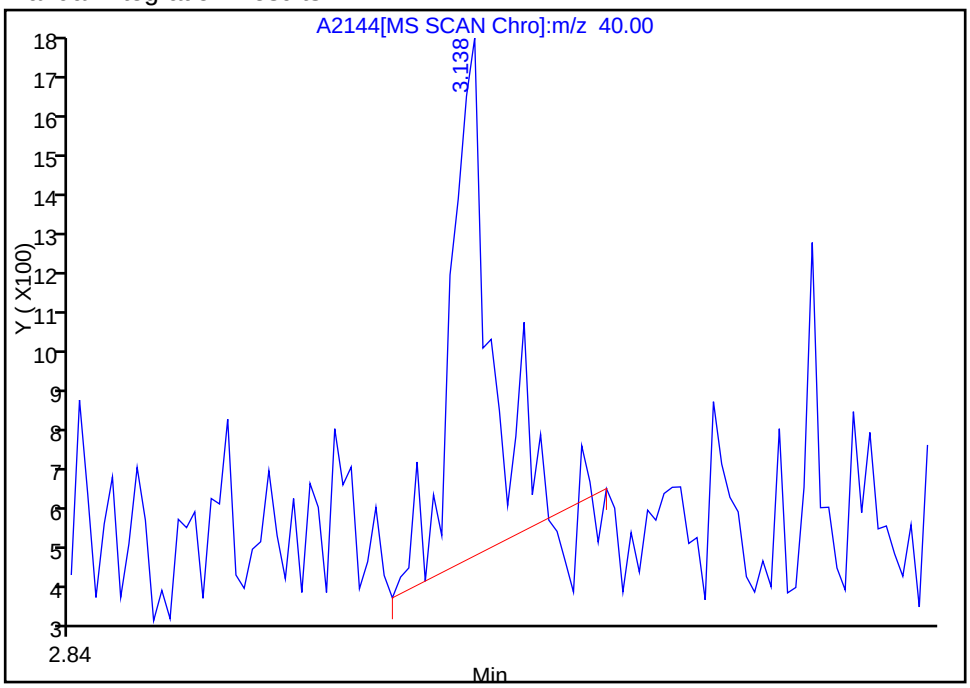


Manual Integration Results

RT: 3.14

Response: 2448

Amount: 11.044153



Reviewer: hallj, 24-Aug-2011 14:19:57

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

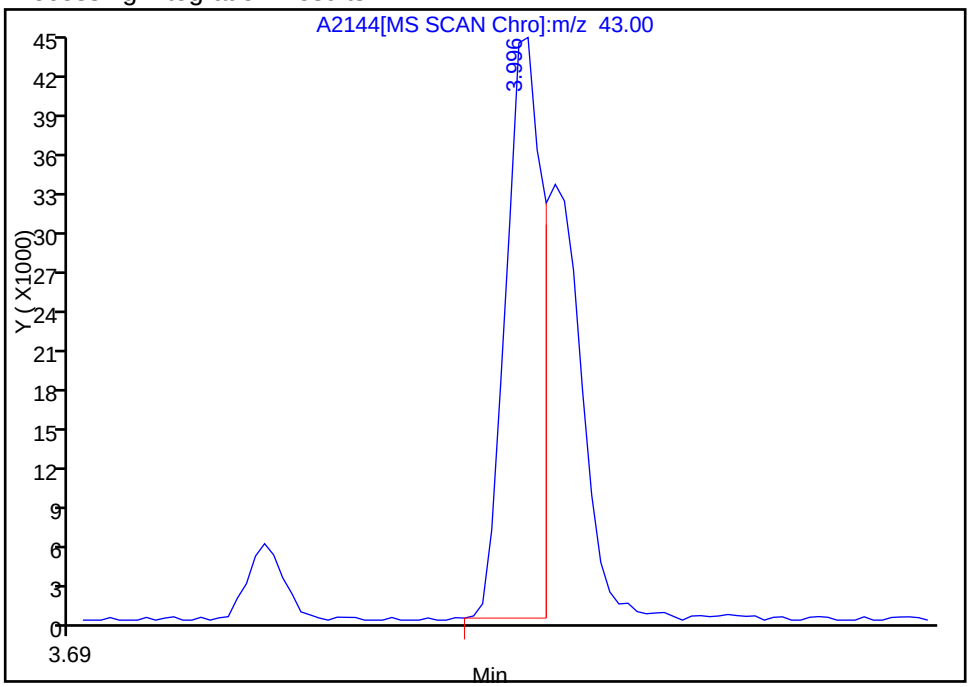
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Injection Date:	24-Aug-2011 13:34:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	5
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

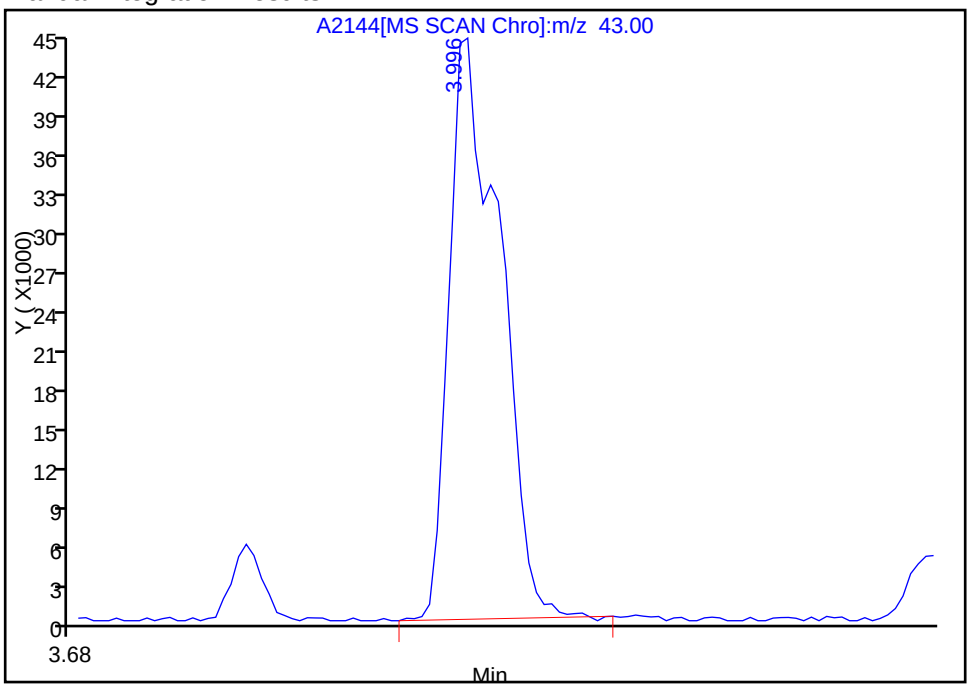
Processing Integration Results

RT: 4.00
Response: 76640
Amount: 9.978976



Manual Integration Results

RT: 4.00
Response: 122972
Amount: 17.488107



Reviewer: hallj, 24-Aug-2011 14:19:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

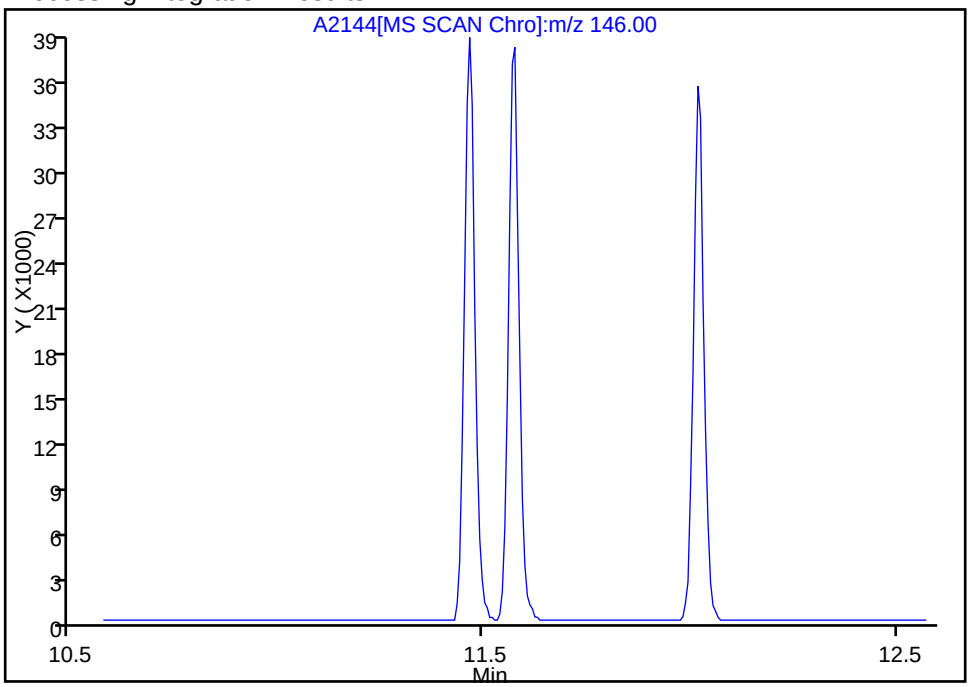
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Injection Date:	24-Aug-2011 13:34:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	5
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.58

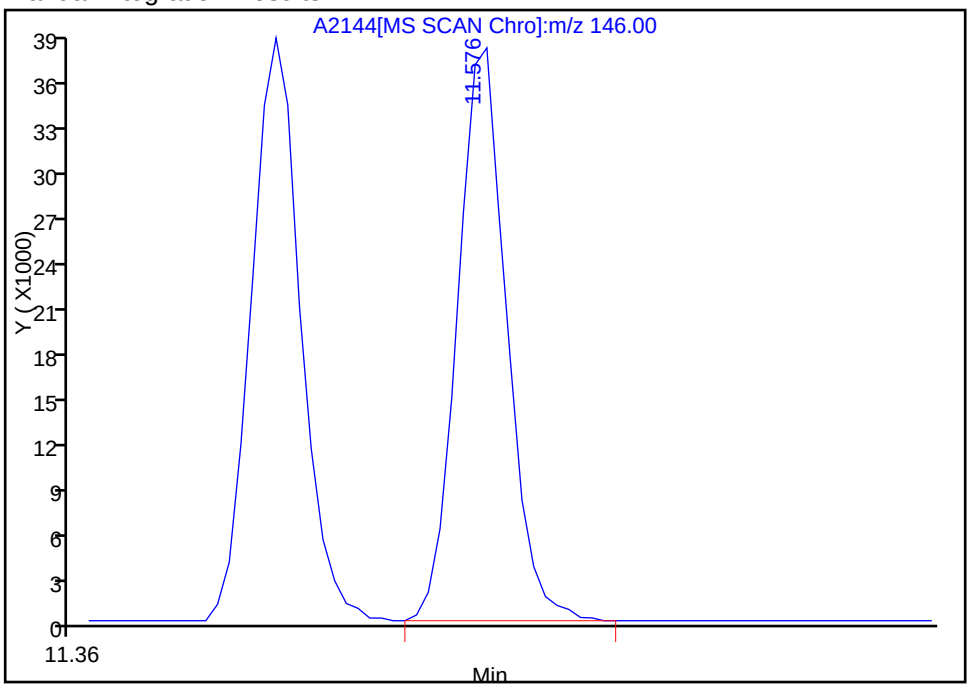
Processing Integration Results

Not Detected
Expected RT: 11.58



Manual Integration Results

RT: 11.58
Response: 66482
Amount: 9.077847



Reviewer: hallj, 24-Aug-2011 14:19:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D

Injection Date: 24-Aug-2011 13:34:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 5

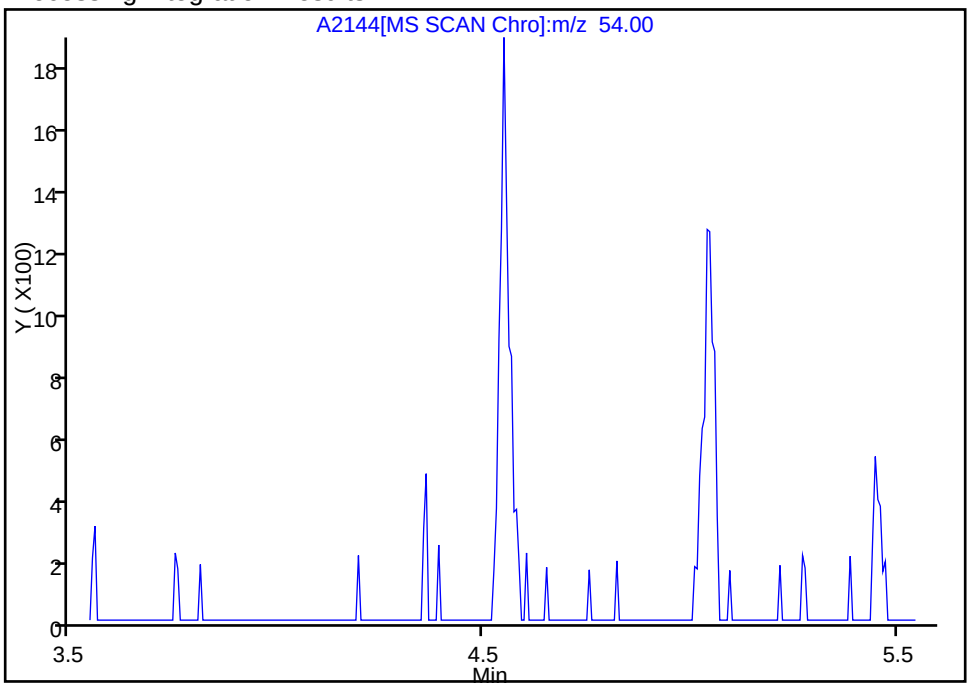
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Processing Integration Results

Not Detected

Expected RT: 4.54

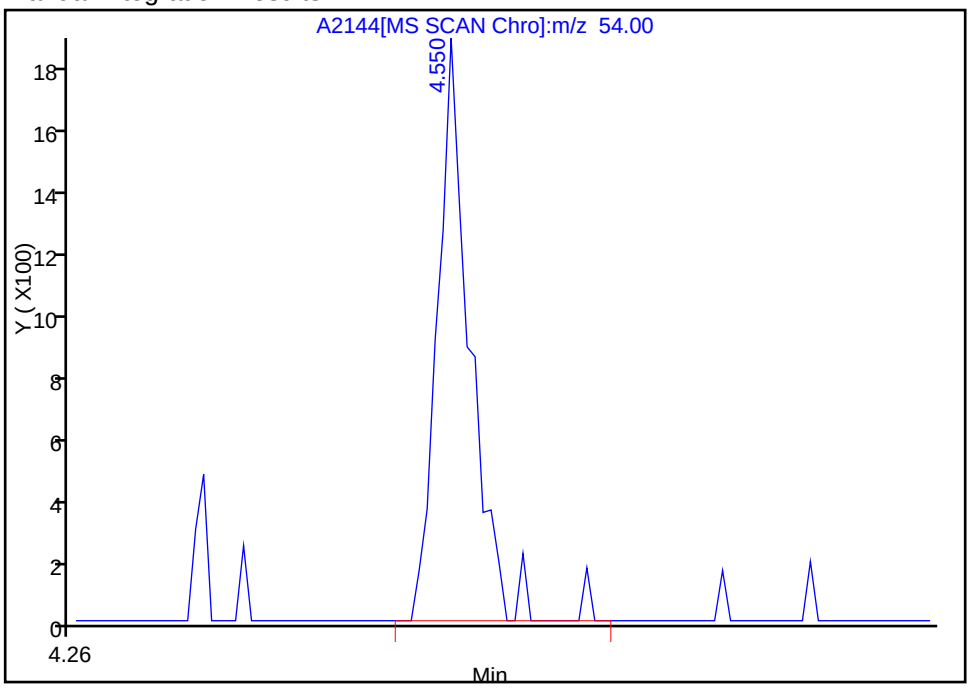


Manual Integration Results

RT: 4.55

Response: 3181

Amount: 7.765817



Reviewer: hallj, 24-Aug-2011 14:19:57

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

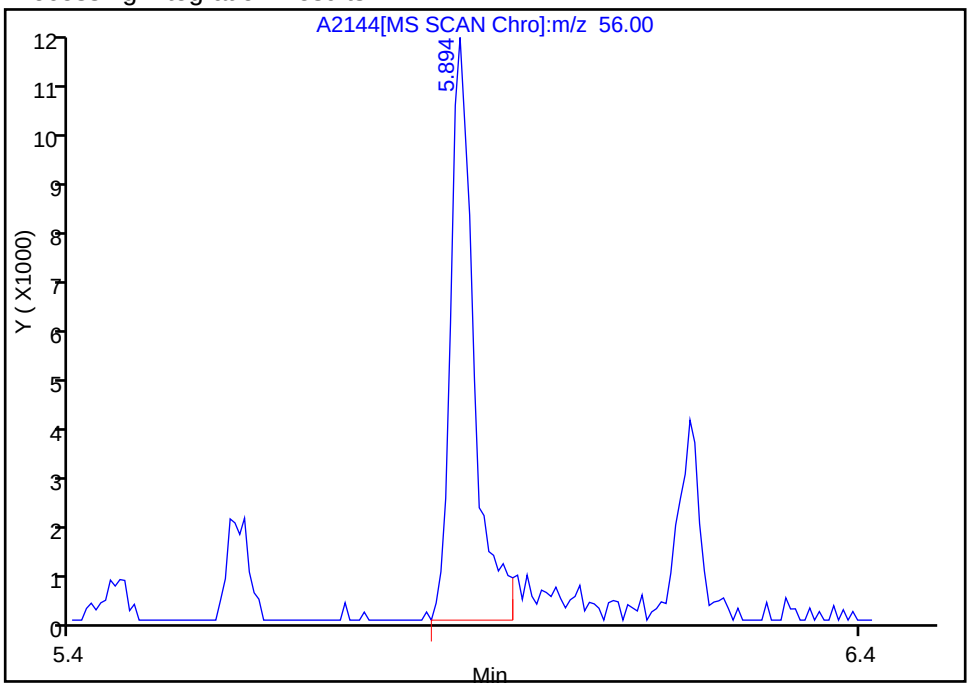
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Injection Date:	24-Aug-2011 13:34:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	5
Operator ID:	JLH		

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.89

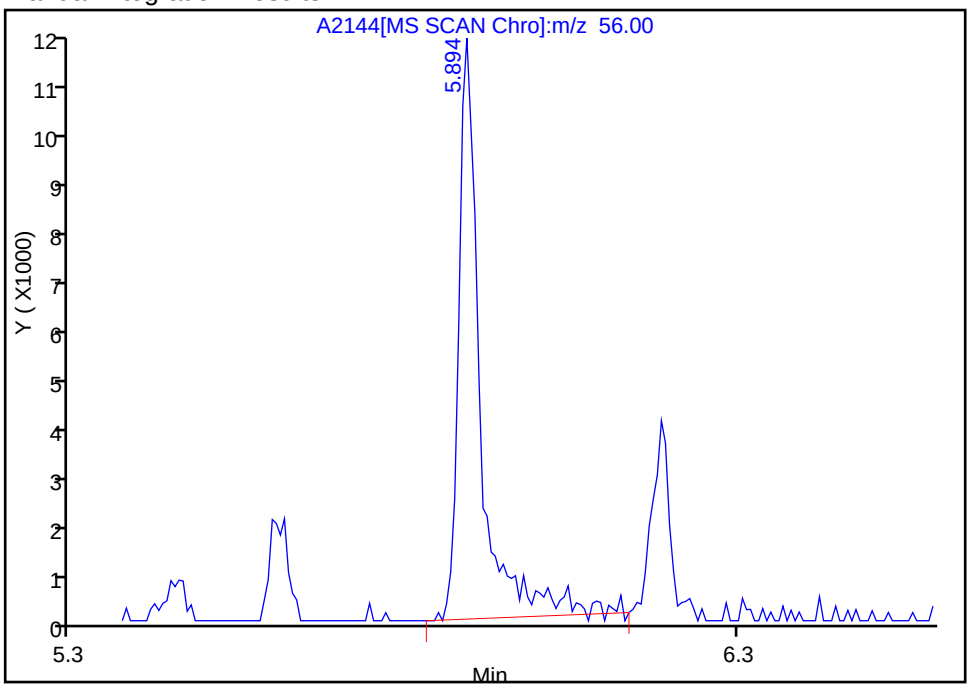
Processing Integration Results

RT: 5.89
Response: 23007
Amount: 453.1692



Manual Integration Results

RT: 5.89
Response: 25527
Amount: 495.9107



Reviewer: hallj, 24-Aug-2011 16:10:20
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

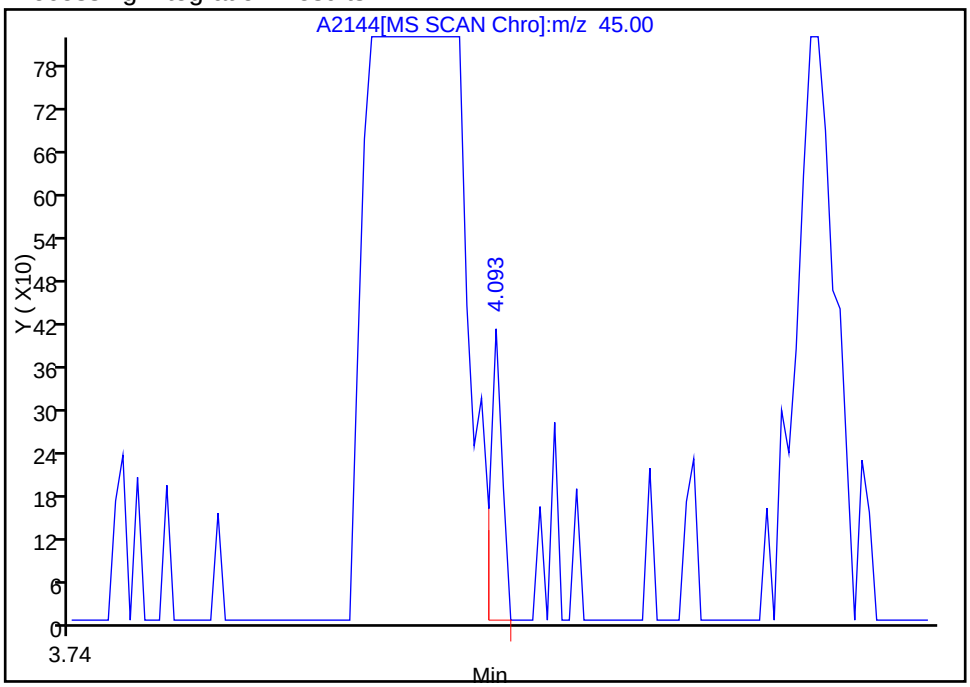
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Injection Date:	24-Aug-2011 13:34:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	5
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

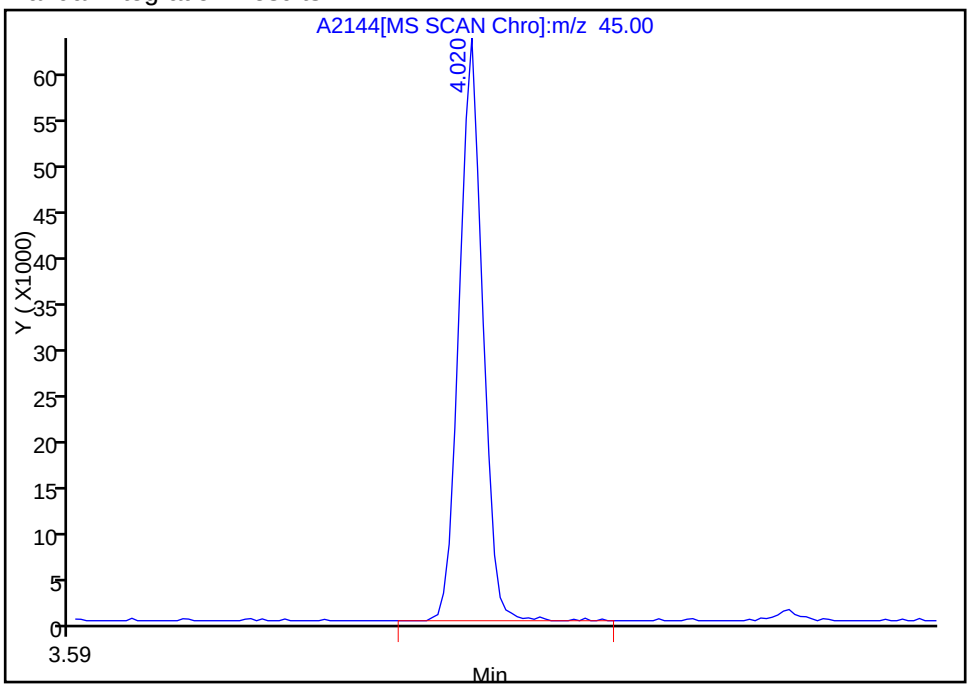
Processing Integration Results

RT: 4.09
Response: 273
Amount: 0.029068



Manual Integration Results

RT: 4.02
Response: 111403
Amount: 9.145515



Reviewer: hallj, 24-Aug-2011 14:19:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:10:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

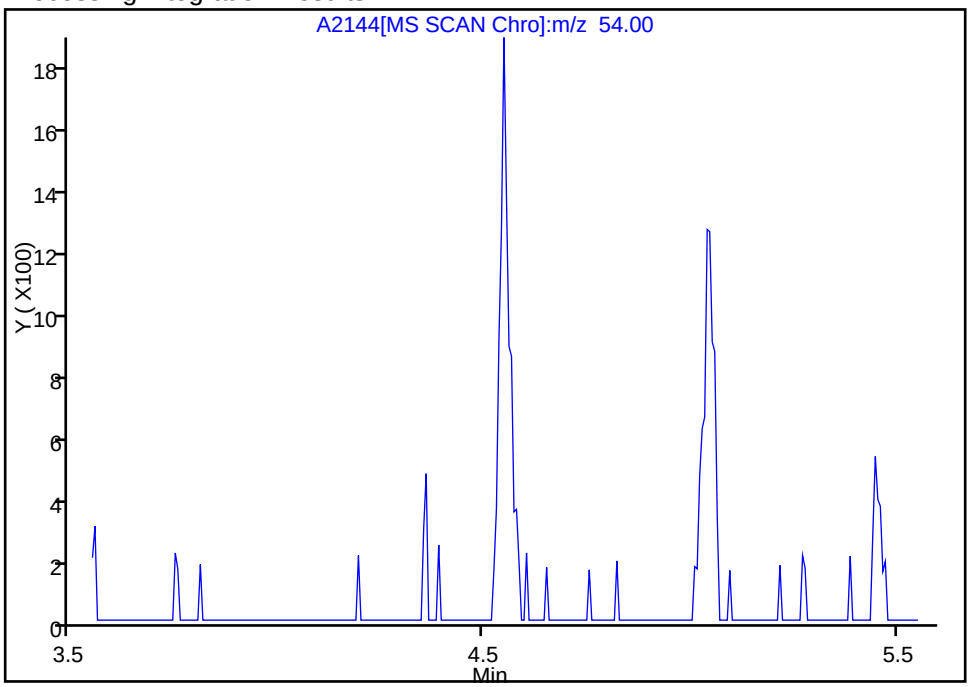
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2144.D		
Injection Date:	24-Aug-2011 13:34:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	5
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

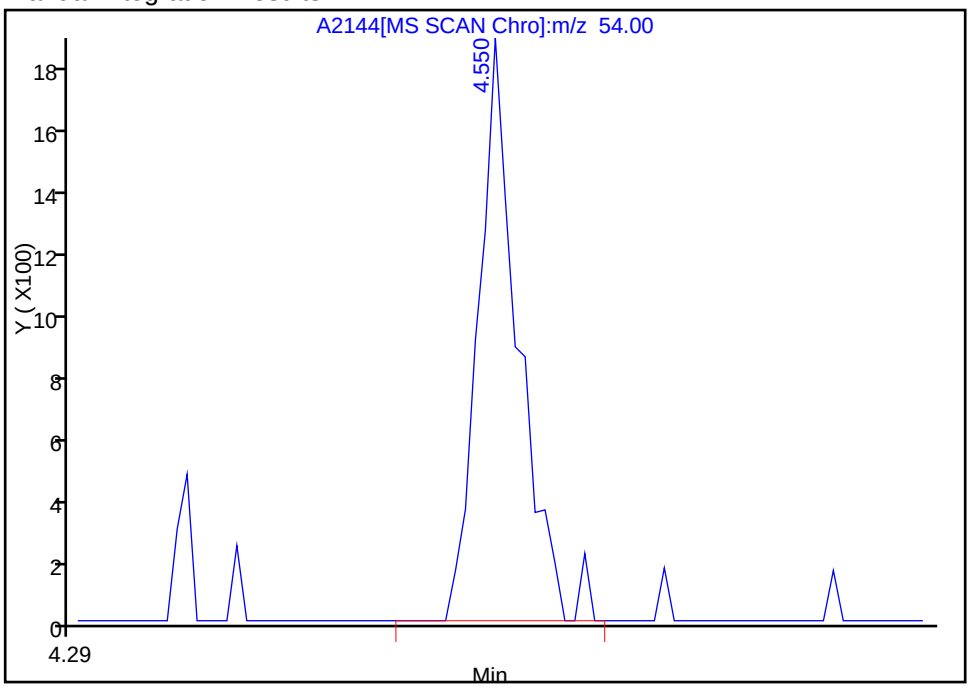
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 3121
Amount: 7.648940



Reviewer: hallj, 24-Aug-2011 14:19:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:11:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D
Lims ID: STD020 Client ID:
Inject. Date: 24-Aug-2011 14:07:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD020
Misc. Info.: 510-0005435-006 =510-0005435-006
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 19
Lims Batch ID: 85568 Lims Sample ID: 6
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:11:37 Calib Date: 24-Aug-2011 15:47:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 14:52:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.614	0.0	99	911727	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.808	0.0	81	345257	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.546	0.0	93	279094	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.274	0.0	0	215653	49.6	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	848841	50.2	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.165	0.0	90	304365	49.4	
12 Dichlorodifluoromethane	85	1.447	1.447	0.0	98	100087	19.1	
13 Chloromethane	50	1.605	1.605	0.0	88	77568	18.8	
14 Vinyl chloride	62	1.703	1.703	0.0	83	75107	19.9	
15 Bromomethane	94	2.007	2.007	0.0	90	30394	17.4	
16 Chloroethane	64	2.104	2.104	0.0	95	44402	18.5	
17 Trichlorofluoromethane	101	2.347	2.347	0.0	79	124478	19.6	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.633	2.633	0.0	80	106635	19.3	
19 Acrolein	56	2.737	2.737	0.0	84	6213	16.2	
20 1,1-Dichloroethene	61	2.834	2.834	0.0	94	90912	18.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.846	0.0	83	57967	19.2	
22 Acetone	43	2.877	2.877	0.0	94	34918	21.4	
23 Iodomethane	142	2.974	2.974	0.0	97	47700	16.6	
24 Carbon disulfide	76	3.041	3.041	0.0	98	168880	19.0	
104 Acetonitrile	40	3.138	3.138	0.0	0	3795	17.2	M
25 Methyl acetate	43	3.193	3.193	0.0	95	67259	19.0	
26 Methylene Chloride	84	3.284	3.284	0.0	79	89671	18.8	
27 2-Methyl-2-propanol	59	3.394	3.394	0.0	97	18701	72.8	
28 Acrylonitrile	53	3.509	3.509	0.0	96	19546	18.1	
29 trans-1,2-Dichloroethene	61	3.552	3.552	0.0	71	105348	18.8	
30 Methyl tert-butyl ether	73	3.552	3.552	0.0	86	214428	19.9	
31 Hexane	57	3.820	3.820	0.0	91	32066	18.7	
32 1,1-Dichloroethane	63	3.941	3.941	0.0	83	131451	18.9	
33 Vinyl acetate	43	3.996	3.996	0.0	99	251990	35.9	M
34 Isopropyl ether	45	4.020	4.020	0.0	1	236890	19.5	M

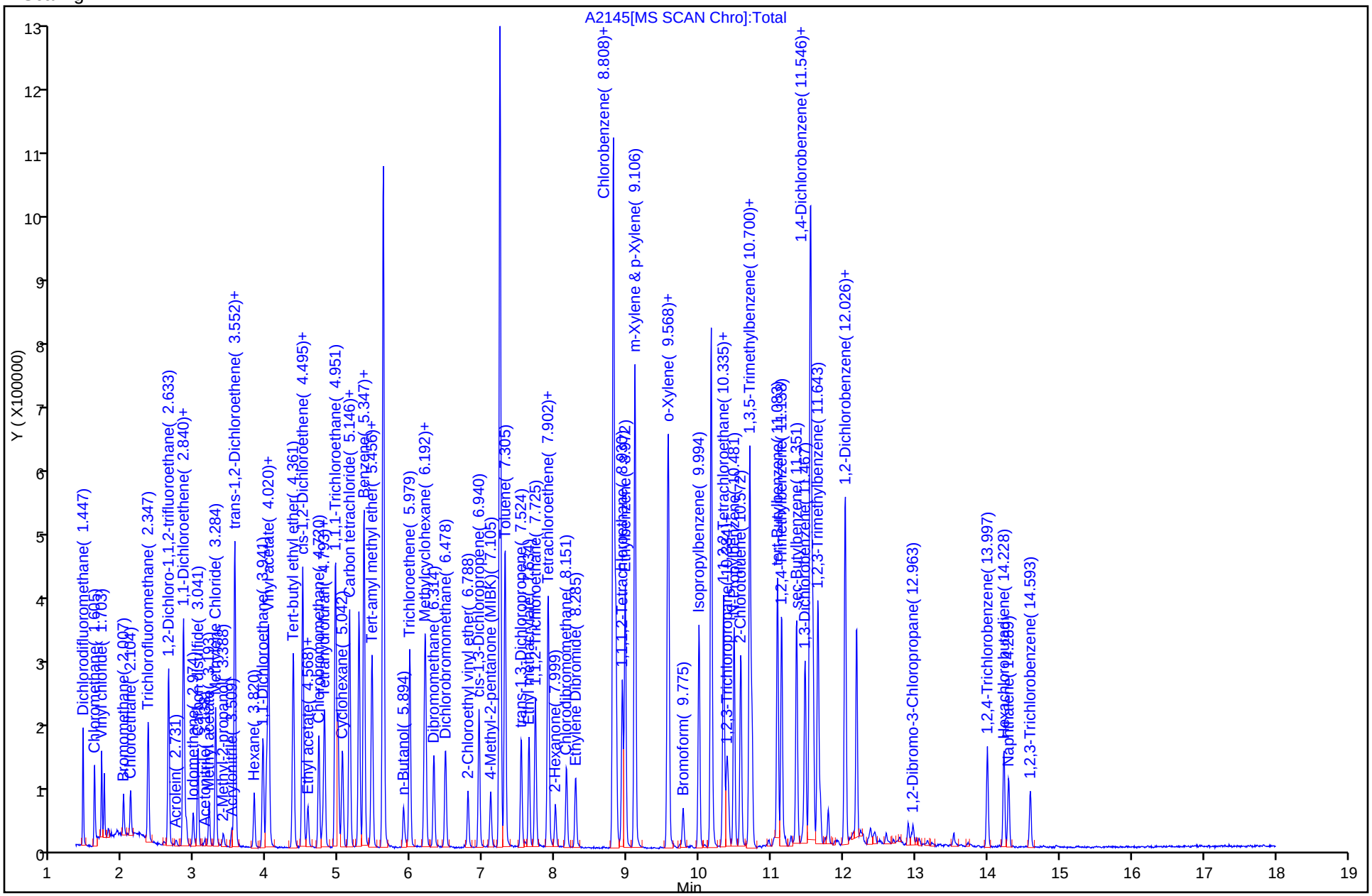
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.361	4.361	0.0	94	216791	19.5	
36 cis-1,2-Dichloroethene	61	4.495	4.495	0.0	82	118400	18.9	
37 2,2-Dichloropropane	77	4.495	4.495	0.0	66	97432	19.4	
38 2-Butanone (MEK)	43	4.501	4.501	0.0	47	30472	19.6	
39 Propionitrile	54	4.550	4.550	0.0	60	7724	19.0	
103 Butadiene	54	4.550	4.550	0.0	0	7803	19.9	M
101 Ethyl acetate	43	4.568	4.568	0.0	0	58541	19.0	
40 Chlorobromomethane	130	4.720	4.720	0.0	78	66788	19.3	
41 Tetrahydrofuran	42	4.769	4.769	0.0	76	16867	17.5	
42 Chloroform	83	4.793	4.793	0.0	78	150194	19.4	
43 1,1,1-Trichloroethane	97	4.982	4.982	0.0	88	114393	18.6	
44 Cyclohexane	56	5.042	5.042	0.0	87	59900	19.2	
46 1,1-Dichloropropene	75	5.146	5.146	0.0	94	97369	18.9	
45 Carbon tetrachloride	117	5.146	5.146	0.0	71	87072	18.6	
47 Benzene	78	5.340	5.340	0.0	91	333073	19.9	
48 1,2-Dichloroethane	62	5.353	5.353	0.0	49	94541	18.9	
50 Isobutyl alcohol	41	5.456	5.456	0.0	38	23781	17.9	
49 Tert-amyl methyl ether	73	5.456	5.456	0.0	98	222099	19.1	
102 n-Butanol	56	5.894	5.894	0.0	0	35980	701.2	M
51 Trichloroethene	132	5.979	5.979	0.0	86	100619	19.1	
52 Methylcyclohexane	83	6.186	6.186	0.0	89	70213	18.8	
53 1,2-Dichloropropane	63	6.198	6.198	0.0	91	78140	18.6	
54 Dibromomethane	93	6.314	6.314	0.0	86	48432	18.4	
55 Dichlorobromomethane	83	6.478	6.478	0.0	91	95763	17.9	
56 2-Chloroethyl vinyl ether	63	6.788	6.788	0.0	91	35607	36.3	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	92	116915	18.7	
58 4-Methyl-2-pentanone (MIBK)	43	7.099	7.099	0.0	95	50305	17.9	
59 Toluene	91	7.305	7.305	0.0	81	342469	19.5	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	86	91622	18.5	
61 Ethyl methacrylate	69	7.634	7.634	0.0	94	91114	19.1	
62 1,1,2-Trichloroethane	83	7.725	7.725	0.0	82	61031	18.3	
63 Tetrachloroethene	166	7.896	7.896	0.0	87	72662	18.3	
64 1,3-Dichloropropane	76	7.908	7.908	0.0	87	120989	18.6	
65 2-Hexanone	43	7.999	7.999	0.0	96	40323	18.6	
66 Chlorodibromomethane	129	8.157	8.157	0.0	87	72037	17.5	
67 Ethylene Dibromide	107	8.279	8.279	0.0	98	78224	19.3	
68 Chlorobenzene	112	8.838	8.838	0.0	85	222386	18.9	
69 1,1,1,2-Tetrachloroethane	131	8.930	8.930	0.0	87	74707	18.6	
70 Ethylbenzene	91	8.972	8.972	0.0	97	305808	19.6	
71 m-Xylene & p-Xylene	91	9.106	9.106	0.0	0	464895	37.8	
72 o-Xylene	91	9.562	9.562	0.0	89	257804	19.6	
73 Styrene	104	9.575	9.575	0.0	93	212292	19.2	
74 Bromoform	173	9.775	9.775	0.0	98	32236	17.3	
75 Isopropylbenzene	105	9.994	9.994	0.0	95	242616	18.8	
76 1,1,2,2-Tetrachloroethane	83	10.329	10.329	0.0	76	68857	17.4	
77 Bromobenzene	77	10.335	10.335	0.0	90	126273	19.1	
78 1,2,3-Trichloropropane	75	10.378	10.378	0.0	26	78594	18.4	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.402	0.0	61	13281	17.4	
80 N-Propylbenzene	91	10.481	10.481	0.0	97	285888	19.2	
81 2-Chlorotoluene	91	10.572	10.572	0.0	95	189483	18.7	
82 1,3,5-Trimethylbenzene	105	10.694	10.694	0.0	90	203526	18.8	
83 4-Chlorotoluene	91	10.700	10.700	0.0	94	215762	18.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.083	11.083	0.0	92	185595	18.6	
85 1,2,4-Trimethylbenzene	105	11.144	11.144	0.0	43	211138	18.5	
86 sec-Butylbenzene	105	11.351	11.351	0.0	93	240738	18.8	
87 1,3-Dichlorobenzene	146	11.467	11.467	0.0	95	141358	18.6	
88 4-Isopropyltoluene	119	11.527	11.527	0.0	90	204934	18.6	
89 1,4-Dichlorobenzene	146	11.576	11.576	0.0	83	136633	18.2	
99 1,2,3-Trimethylbenzene	105	11.649	11.649	0.0	0	222568	18.7	
91 1,2-Dichlorobenzene	146	12.020	12.020	0.0	85	130247	18.4	
90 n-Butylbenzene	91	12.026	12.026	0.0	96	172901	19.7	
92 1,2-Dibromo-3-Chloropropane	157	12.969	12.969	0.0	36	8282	16.6	
93 1,2,4-Trichlorobenzene	180	13.997	13.997	0.0	92	52156	17.8	
94 Hexachlorobutadiene	225	14.228	14.228	0.0	93	29984	18.0	
95 Naphthalene	128	14.295	14.295	0.0	97	98745	17.6	
96 1,2,3-Trichlorobenzene	180	14.593	14.593	0.0	90	28868	17.4	
S 98 Xylenes, Total	100				0		57.4	
S 97 Total 1,2-dichloroethene	100				0		37.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 16:11:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D
Injection Date: 24-Aug-2011 14:07:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 6
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 16:11:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D

Injection Date: 24-Aug-2011 14:07:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 6

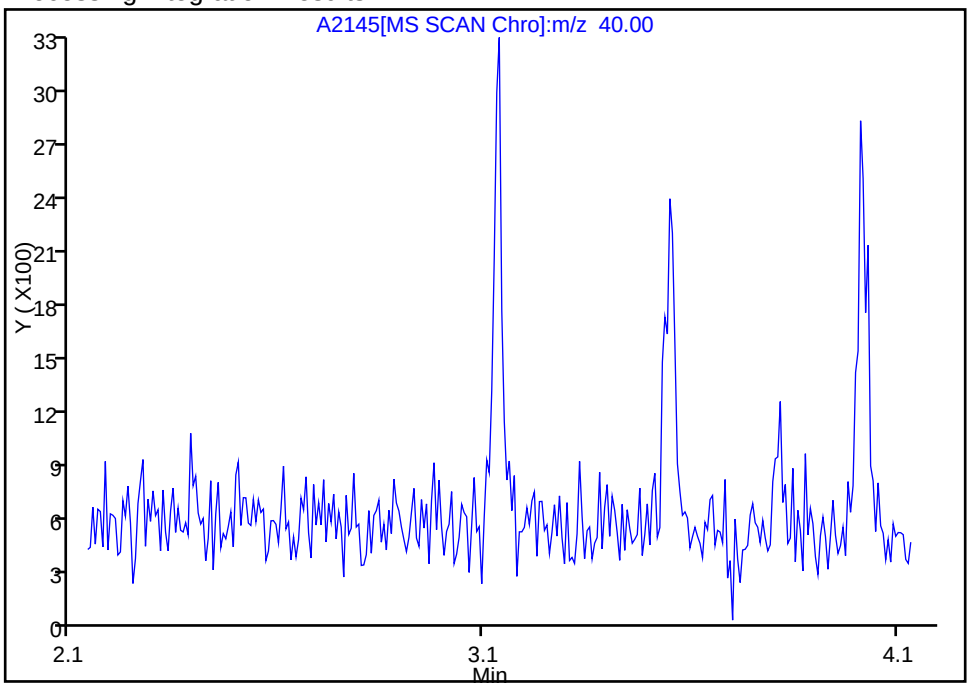
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.14

Not Detected

Expected RT: 3.14

Processing Integration Results

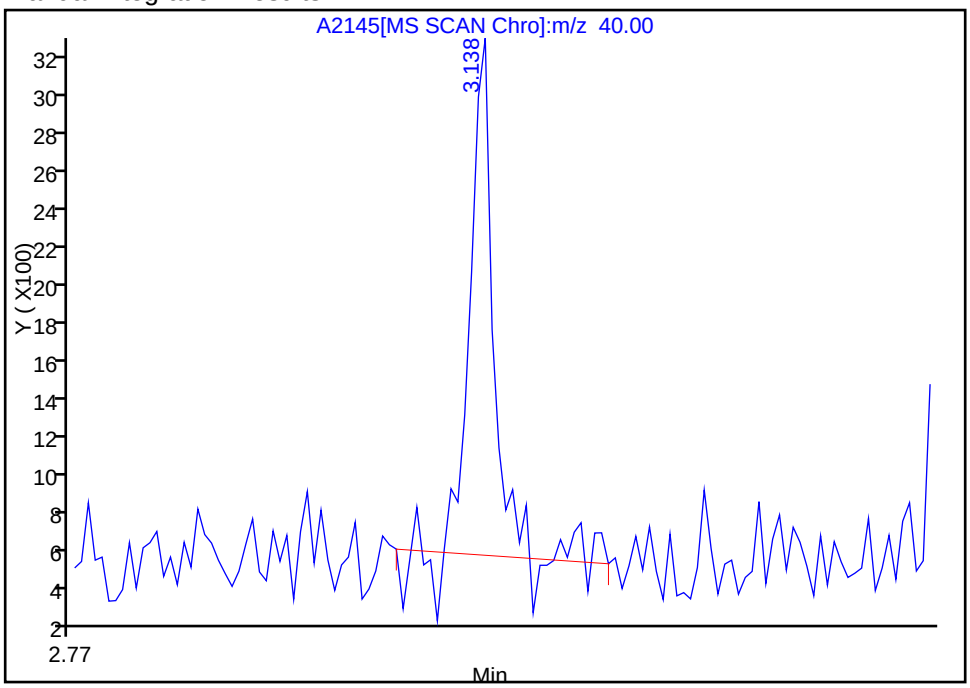


Manual Integration Results

RT: 3.14

Response: 3795

Amount: 17.175547



Reviewer: hallj, 24-Aug-2011 14:52:32

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:11:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

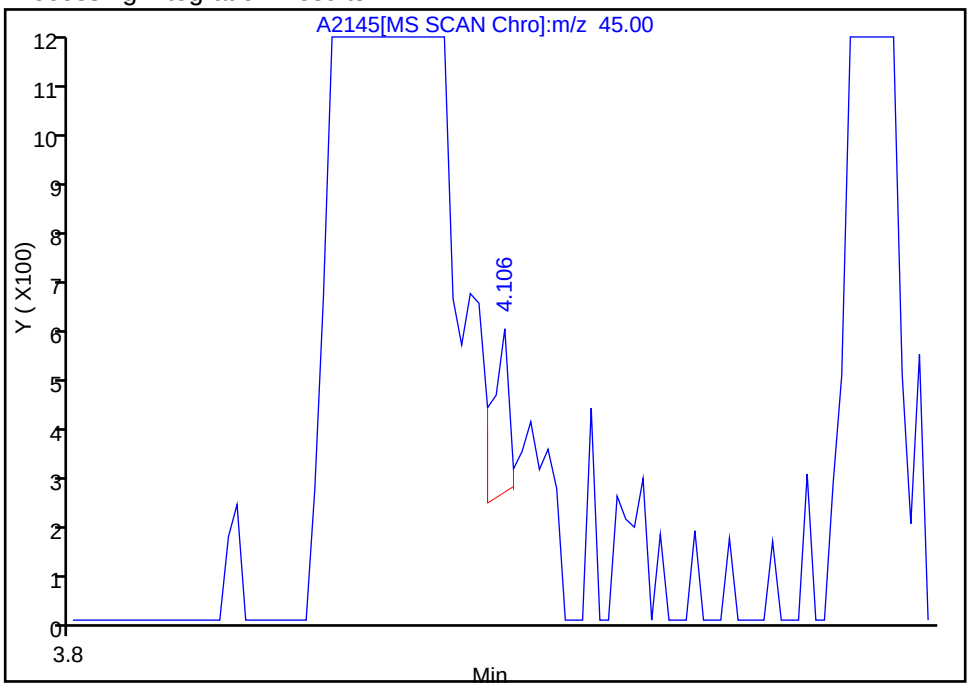
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D		
Injection Date:	24-Aug-2011 14:07:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	6
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

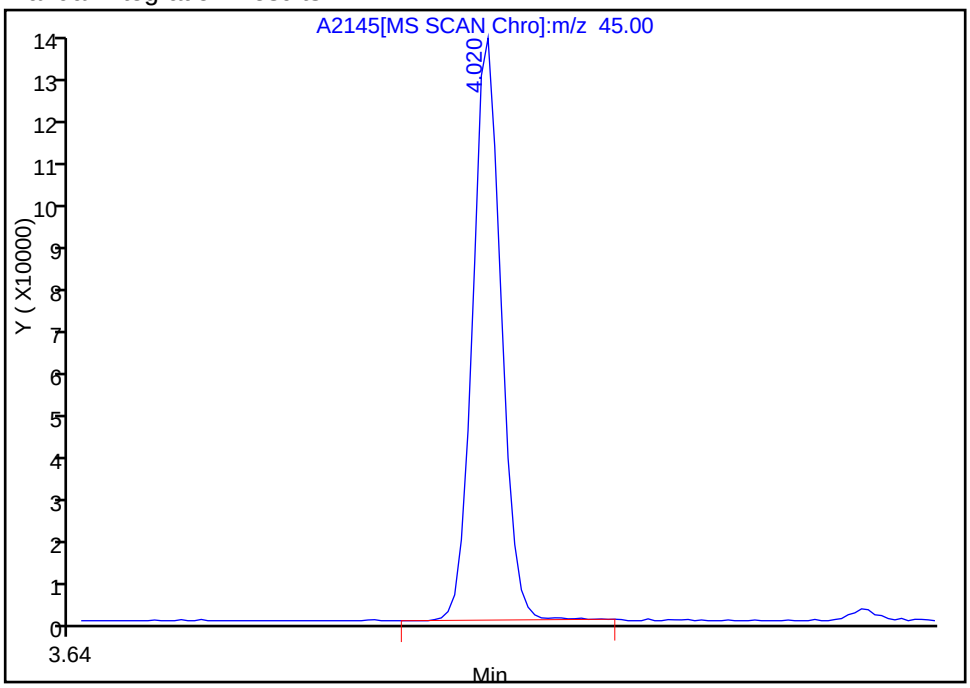
Processing Integration Results

RT: 4.11
Response: 275
Amount: 0.028077



Manual Integration Results

RT: 4.02
Response: 236890
Amount: 19.509035



Reviewer: hallj, 24-Aug-2011 14:52:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:11:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

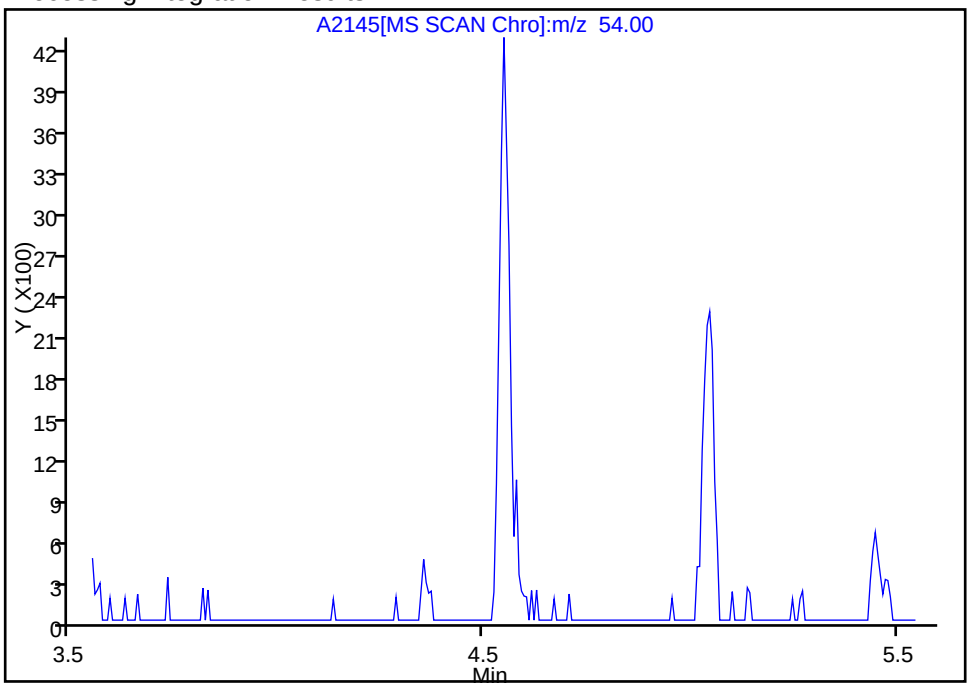
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D		
Injection Date:	24-Aug-2011 14:07:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	6
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

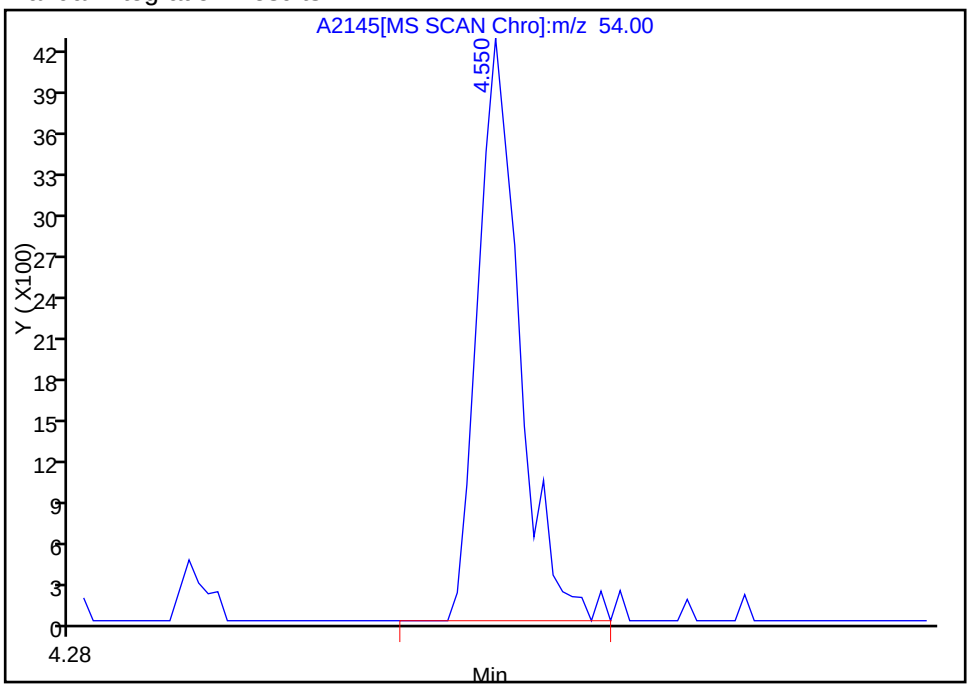
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 7803
Amount: 19.926653



Reviewer: hallj, 24-Aug-2011 14:52:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

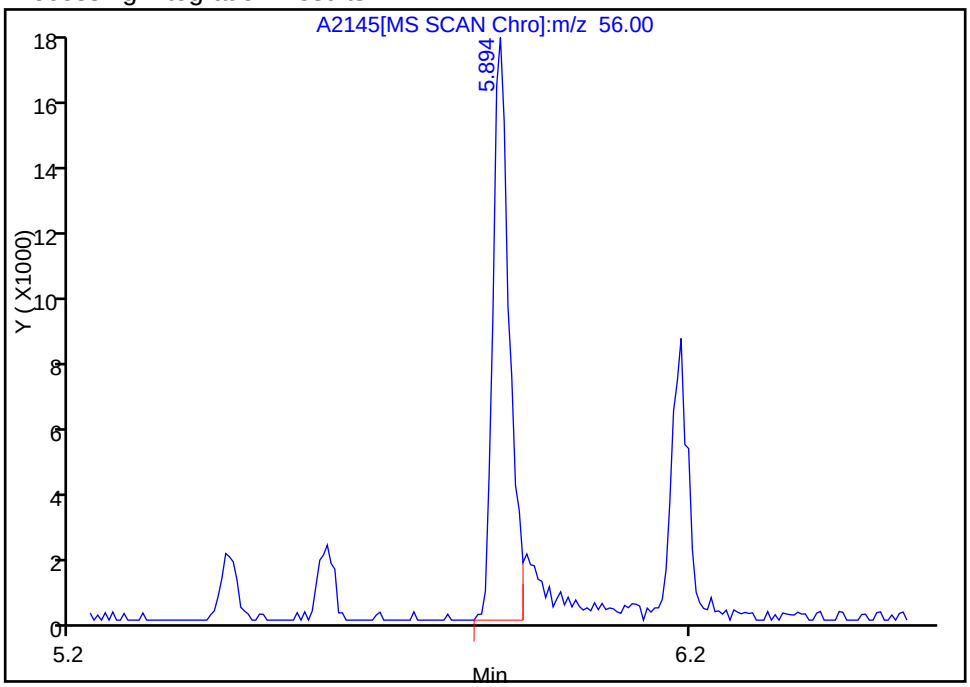
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D		
Injection Date:	24-Aug-2011 14:07:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	6
Operator ID:	JLH		

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.89

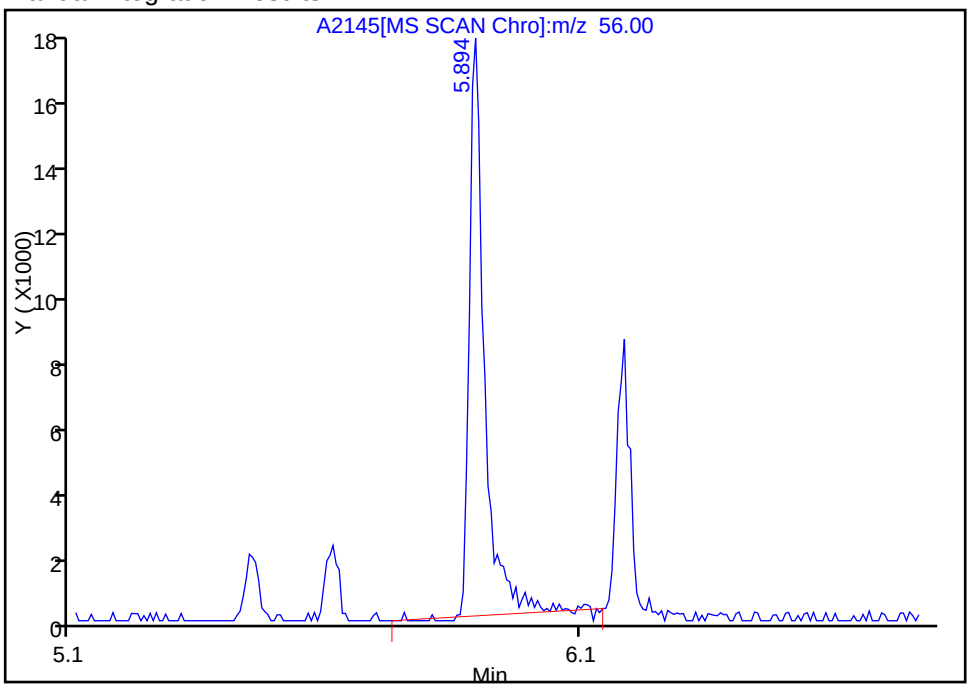
Processing Integration Results

RT: 5.89
Response: 32822
Amount: 639.6561



Manual Integration Results

RT: 5.89
Response: 35980
Amount: 701.2095



Reviewer: hallj, 24-Aug-2011 16:11:37
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 24-Aug-2011 16:11:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

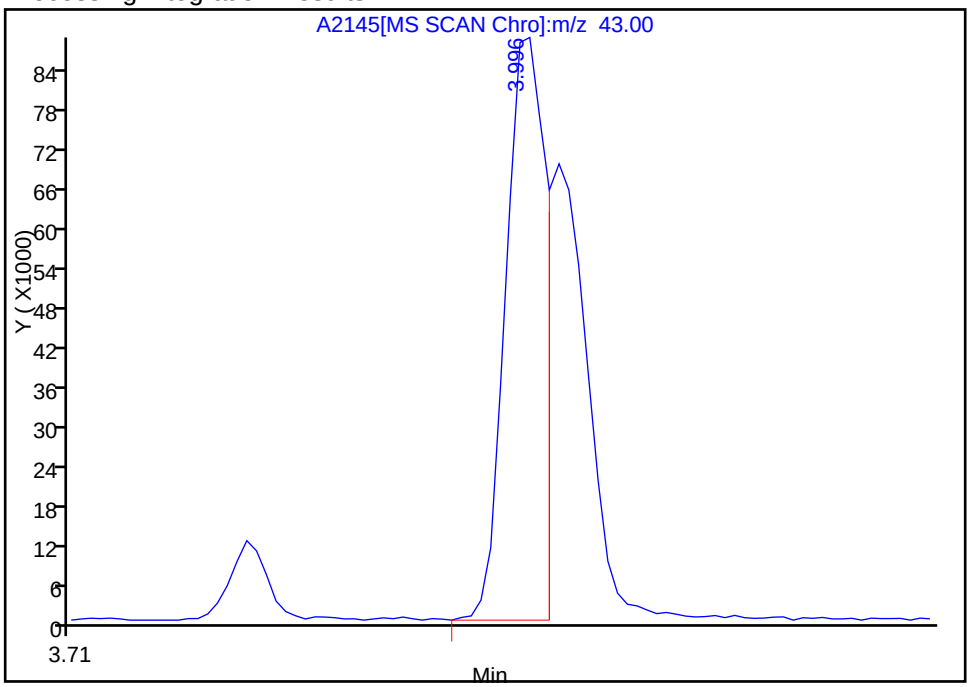
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2145.D		
Injection Date:	24-Aug-2011 14:07:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	6
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 4.00

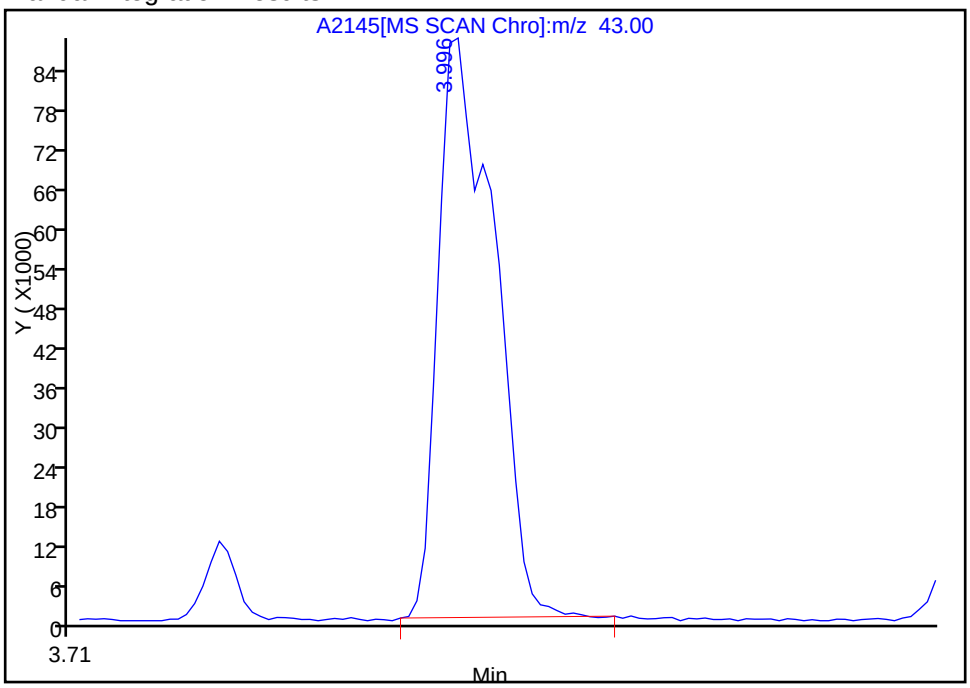
Processing Integration Results

RT: 4.00
Response: 158193
Amount: 36.346444



Manual Integration Results

RT: 4.00
Response: 251990
Amount: 35.949898



Reviewer: hallj, 24-Aug-2011 14:52:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D
Lims ID: STD050 Client ID:
Inject. Date: 24-Aug-2011 14:40:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: STD050
Misc. Info.: 510-0005435-007 =510-0005435-007
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 20
Lims Batch ID: 85568 Lims Sample ID: 7
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 15:39:22 Calib Date: 24-Aug-2011 15:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 15:39:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.614	0.0	99	876806	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.807	0.0	81	341429	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.545	0.0	93	268228	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.273	0.0	0	209053	50.0	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	821495	50.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.164	0.0	92	295860	50.0	
12 Dichlorodifluoromethane	85	1.446	1.446	0.0	87	282282	55.3	
13 Chloromethane	50	1.605	1.605	0.0	98	214782	53.0	
14 Vinyl chloride	62	1.702	1.702	0.0	83	207452	57.1	
15 Bromomethane	94	2.006	2.006	0.0	91	92857	48.6	
16 Chloroethane	64	2.103	2.103	0.0	99	119847	51.4	
17 Trichlorofluoromethane	101	2.347	2.347	0.0	79	334873	54.0	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.633	2.633	0.0	85	286105	53.0	
19 Acrolein	56	2.736	2.736	0.0	92	20072	54.5	
20 1,1-Dichloroethene	61	2.833	2.833	0.0	84	251803	52.4	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.846	0.0	83	158372	53.9	
22 Acetone	43	2.876	2.876	0.0	94	59836	22.6	
23 Iodomethane	142	2.973	2.973	0.0	97	176484	87.1	
24 Carbon disulfide	76	3.040	3.040	0.0	98	470960	54.4	
104 Acetonitrile	40	3.138	3.138	0.0	0	10981	51.7	M
25 Methyl acetate	43	3.192	3.192	0.0	94	181026	52.6	
26 Methylene Chloride	84	3.284	3.284	0.0	75	234323	50.0	
27 2-Methyl-2-propanol	59	3.393	3.393	0.0	97	54299	221.3	
28 Acrylonitrile	53	3.509	3.509	0.0	100	56947	54.6	
30 Methyl tert-butyl ether	73	3.551	3.551	0.0	92	568447	53.7	
29 trans-1,2-Dichloroethene	61	3.545	3.545	0.0	84	282903	51.4	
31 Hexane	57	3.819	3.819	0.0	91	89366	53.5	
32 1,1-Dichloroethane	63	3.941	3.941	0.0	84	354011	52.1	
33 Vinyl acetate	43	3.989	3.989	0.0	99	770501	111.7	
34 Isopropyl ether	45	4.020	4.020	0.0	0	613363	50.0	M

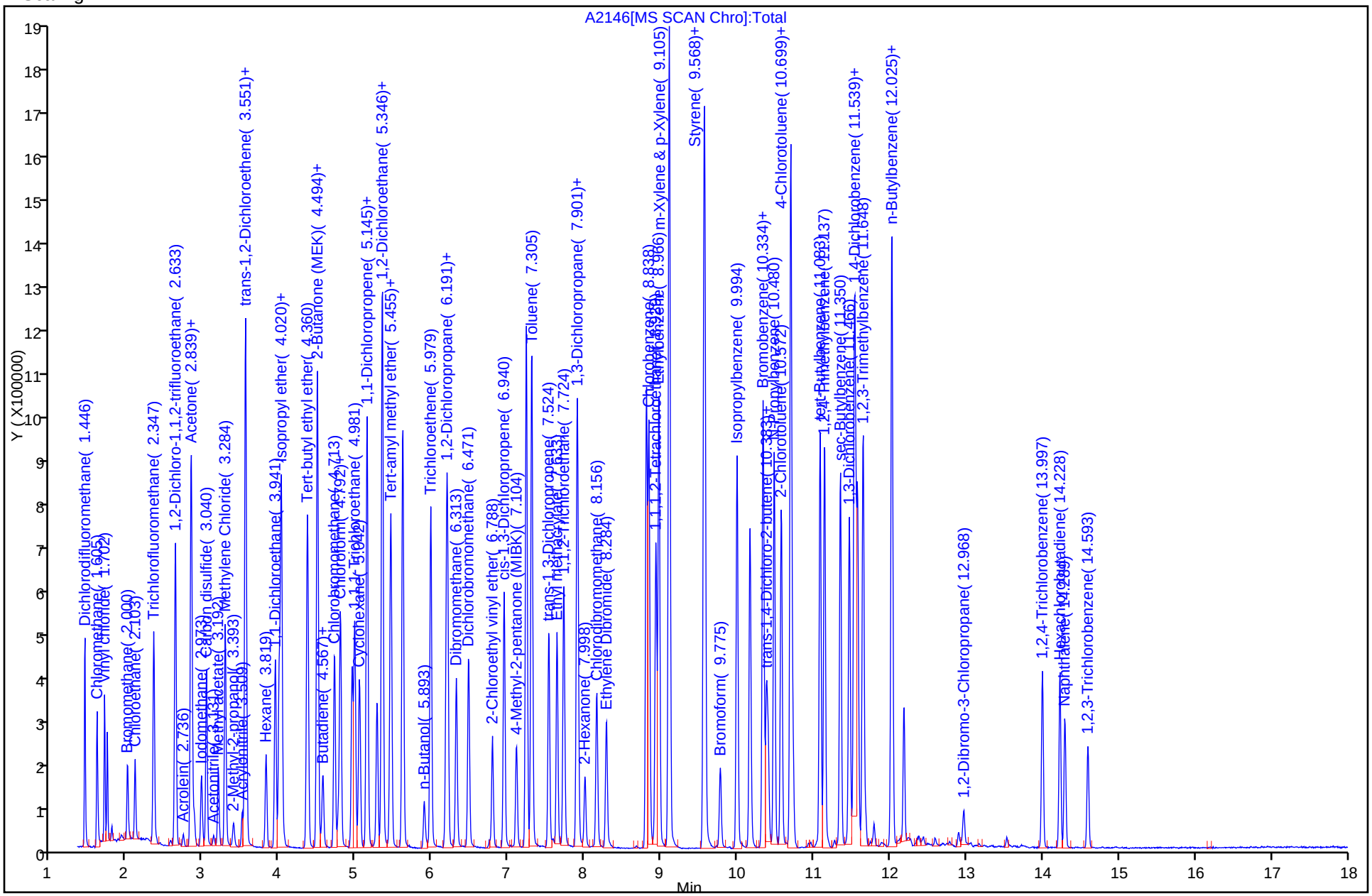
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.360	4.360	0.0	95	579655	53.1	
37 2,2-Dichloropropane	77	4.494	4.494	0.0	67	262077	54.6	
36 cis-1,2-Dichloroethene	61	4.488	4.488	0.0	83	320433	52.2	
38 2-Butanone (MEK)	43	4.500	4.500	0.0	48	71805	50.2	
39 Propionitrile	54	4.549	4.549	0.0	0	21853	50.9	M
103 Butadiene	54	4.549	4.549	0.0	0	19384	50.3	M
101 Ethyl acetate	43	4.567	4.567	0.0	0	154891	51.4	
40 Chlorobromomethane	130	4.719	4.719	0.0	82	180551	53.7	
41 Tetrahydrofuran	42	4.768	4.768	0.0	79	45003	51.5	
42 Chloroform	83	4.792	4.792	0.0	79	398928	54.5	
43 1,1,1-Trichloroethane	97	4.981	4.981	0.0	88	324542	54.4	
44 Cyclohexane	56	5.042	5.042	0.0	88	162097	53.3	
45 Carbon tetrachloride	117	5.145	5.145	0.0	88	252430	56.1	
46 1,1-Dichloropropene	75	5.139	5.139	0.0	94	269087	53.7	
47 Benzene	78	5.340	5.340	0.0	92	875822	48.4	
48 1,2-Dichloroethane	62	5.346	5.346	0.0	45	252947	51.8	
50 Isobutyl alcohol	41	5.455	5.455	0.0	40	65901	54.5	
49 Tert-amyl methyl ether	73	5.455	5.455	0.0	99	599007	52.5	
102 n-Butanol	56	5.893	5.893	0.0	0	60244	1305.7	
51 Trichloroethene	132	5.979	5.979	0.0	85	270933	53.0	
52 Methylcyclohexane	83	6.185	6.185	0.0	89	194107	53.6	
53 1,2-Dichloropropane	63	6.198	6.198	0.0	91	217449	53.1	
54 Dibromomethane	93	6.313	6.313	0.0	88	135027	53.0	
55 Dichlorobromomethane	83	6.471	6.471	0.0	93	285959	55.8	
56 2-Chloroethyl vinyl ether	63	6.788	6.788	0.0	92	106028	100.1	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	92	348405	58.1	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.098	0.0	96	147069	54.2	
59 Toluene	91	7.305	7.305	0.0	86	891967	51.1	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	87	287168	54.0	
61 Ethyl methacrylate	69	7.633	7.633	0.0	94	264484	58.2	
62 1,1,2-Trichloroethane	83	7.724	7.724	0.0	83	169439	52.2	
63 Tetrachloroethene	166	7.895	7.895	0.0	86	199420	51.6	
64 1,3-Dichloropropane	76	7.907	7.907	0.0	87	333895	52.5	
65 2-Hexanone	43	7.998	7.998	0.0	94	101192	48.5	
66 Chlorodibromomethane	129	8.156	8.156	0.0	88	221669	51.3	
67 Ethylene Dibromide	107	8.284	8.284	0.0	100	219926	56.5	
68 Chlorobenzene	112	8.838	8.838	0.0	91	603246	50.4	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.929	0.0	88	226502	57.4	
70 Ethylbenzene	91	8.972	8.972	0.0	96	818241	51.5	
71 m-Xylene & p-Xylene	91	9.105	9.105	0.0	0	1203225	101.1	
72 o-Xylene	91	9.562	9.562	0.0	88	698165	52.5	
73 Styrene	104	9.574	9.574	0.0	92	605571	54.4	
74 Bromoform	173	9.775	9.775	0.0	93	103599	49.2	
75 Isopropylbenzene	105	9.994	9.994	0.0	96	673502	53.2	
76 1,1,2,2-Tetrachloroethane	83	10.334	10.334	0.0	73	215268	56.6	
77 Bromobenzene	77	10.334	10.334	0.0	88	337512	52.2	
78 1,2,3-Trichloropropane	75	10.383	10.383	0.0	34	230139	56.2	
79 trans-1,4-Dichloro-2-butene	53	10.401	10.401	0.0	48	40603	50.0	
80 N-Propylbenzene	91	10.480	10.480	0.0	96	776875	52.9	
81 2-Chlorotoluene	91	10.572	10.572	0.0	95	519768	52.2	
82 1,3,5-Trimethylbenzene	105	10.693	10.693	0.0	90	564927	53.3	
83 4-Chlorotoluene	91	10.699	10.699	0.0	95	581362	51.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.083	11.083	0.0	91	512786	52.8	
85 1,2,4-Trimethylbenzene	105	11.137	11.137	0.0	55	593339	53.1	
86 sec-Butylbenzene	105	11.350	11.350	0.0	93	652809	51.9	
87 1,3-Dichlorobenzene	146	11.466	11.466	0.0	97	389267	52.5	
88 4-Isopropyltoluene	119	11.527	11.527	0.0	90	564885	52.6	
89 1,4-Dichlorobenzene	146	11.575	11.575	0.0	79	379126	51.7	
99 1,2,3-Trimethylbenzene	105	11.648	11.648	0.0	0	614666	52.6	
91 1,2-Dichlorobenzene	146	12.019	12.019	0.0	89	364411	52.7	
90 n-Butylbenzene	91	12.025	12.025	0.0	96	467480	54.5	
92 1,2-Dibromo-3-Chloropropane	157	12.962	12.962	0.0	57	26843	47.7	
93 1,2,4-Trichlorobenzene	180	13.997	13.997	0.0	95	145997	51.1	
94 Hexachlorobutadiene	225	14.228	14.228	0.0	96	79886	52.1	
95 Naphthalene	128	14.289	14.289	0.0	98	288309	54.0	
96 1,2,3-Trichlorobenzene	180	14.593	14.593	0.0	95	85190	49.8	
S 98 Xylenes, Total	100				0		153.5	
S 97 Total 1,2-dichloroethene	100				0		103.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 15:39:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D
Injection Date: 24-Aug-2011 14:40:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 7
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 15:39:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D

Injection Date: 24-Aug-2011 14:40:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 7

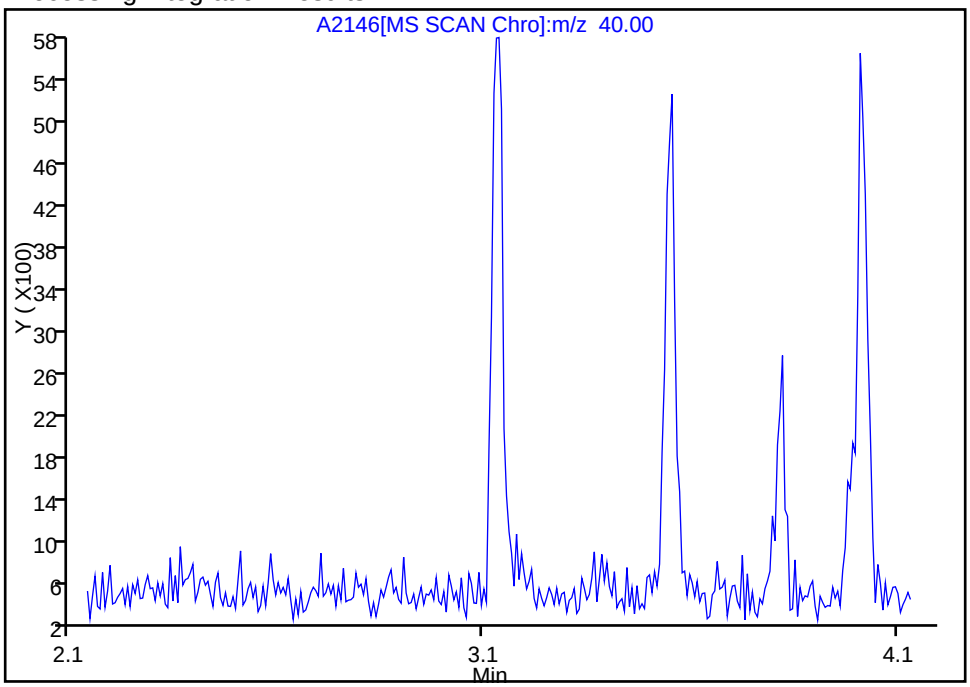
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.14

Not Detected

Expected RT: 3.14

Processing Integration Results

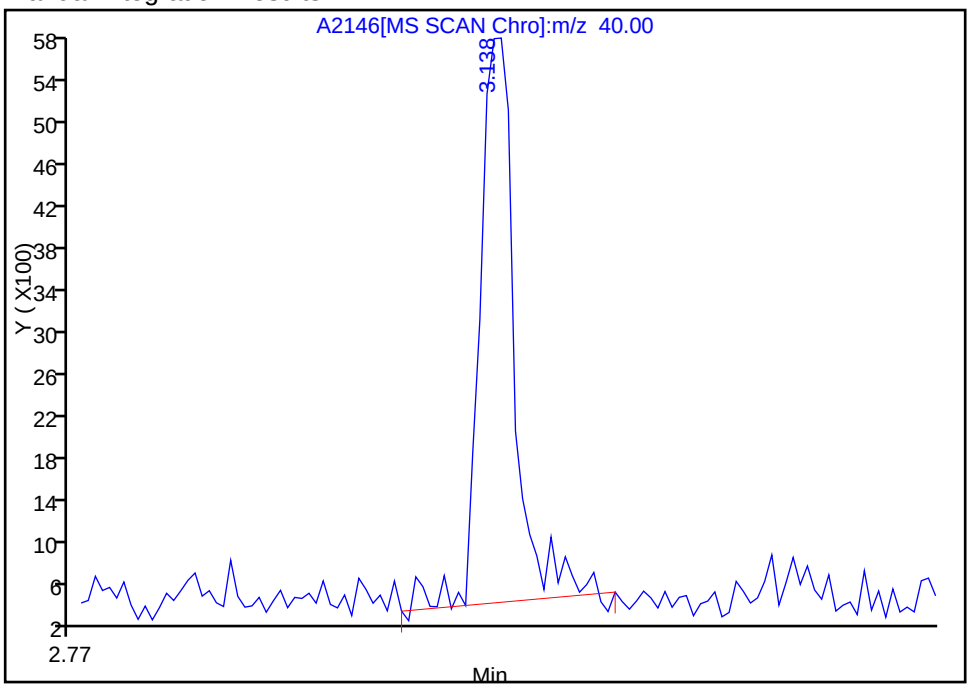


Manual Integration Results

RT: 3.14

Response: 10981

Amount: 51.733709



Reviewer: hallj, 24-Aug-2011 15:39:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:39:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D

Injection Date: 24-Aug-2011 14:40:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 7

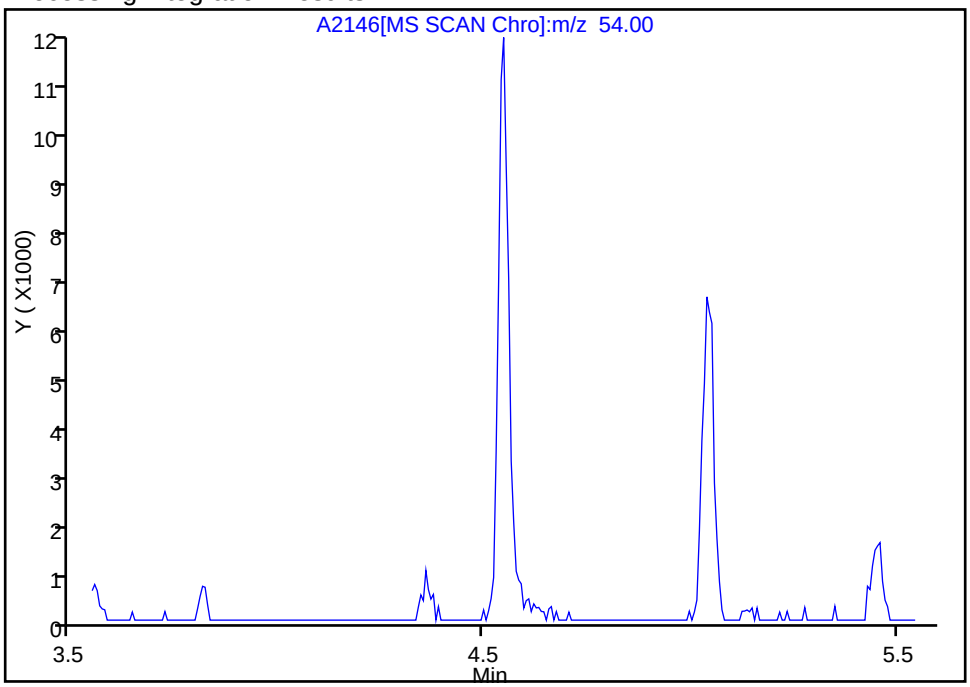
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

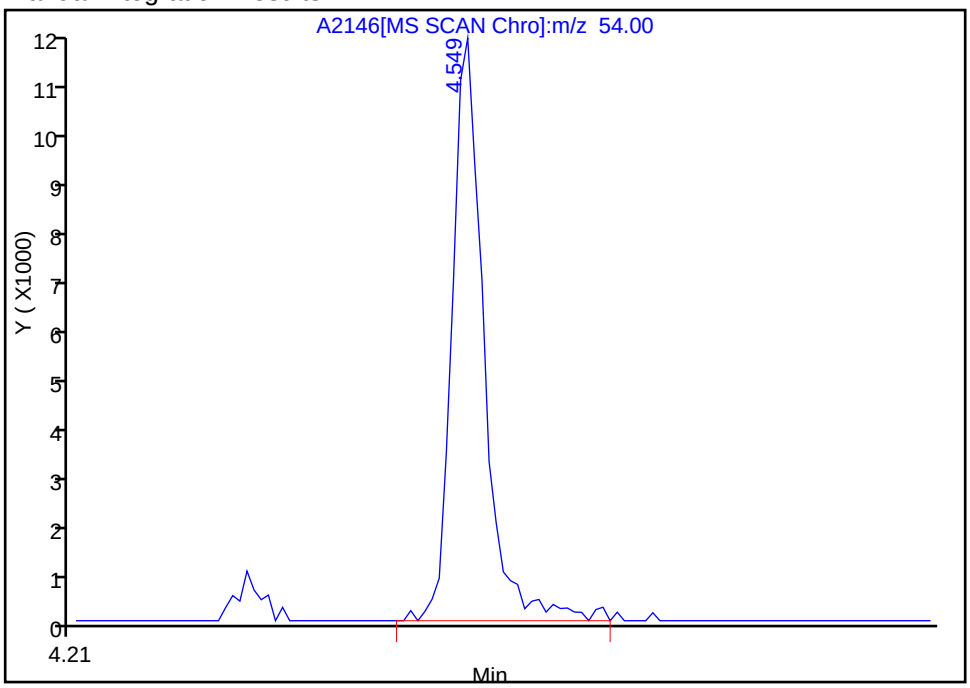


Manual Integration Results

RT: 4.55

Response: 21853

Amount: 50.883123



Reviewer: hallj, 24-Aug-2011 15:39:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:39:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D

Injection Date: 24-Aug-2011 14:40:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 7

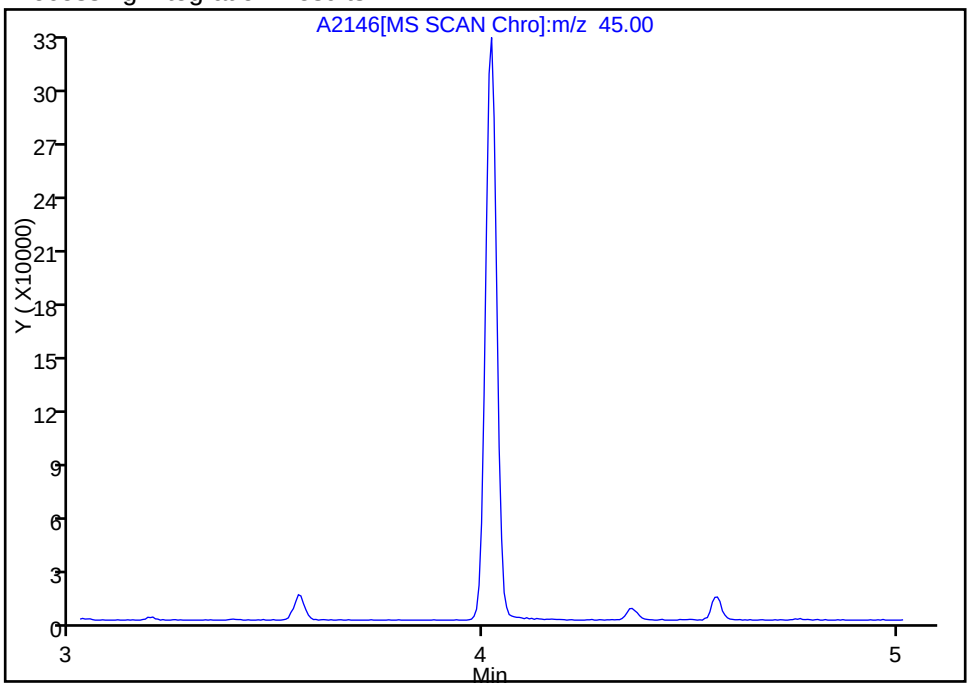
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

Processing Integration Results

Not Detected

Expected RT: 4.02

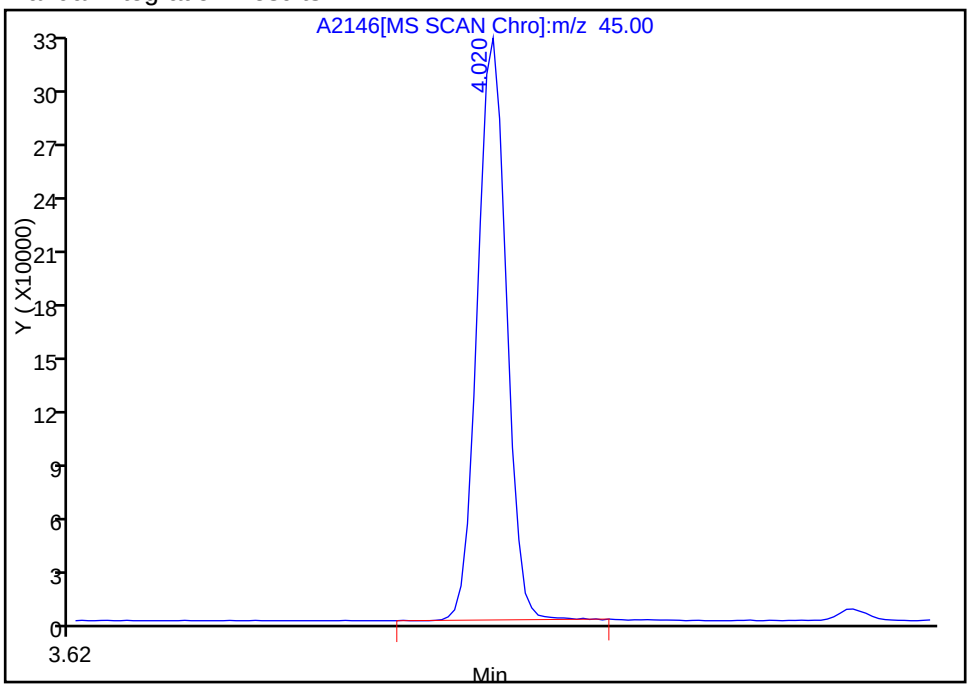


Manual Integration Results

RT: 4.02

Response: 613363

Amount: 50.011823



Reviewer: hallj, 24-Aug-2011 15:39:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:39:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2146.D

Injection Date: 24-Aug-2011 14:40:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 7

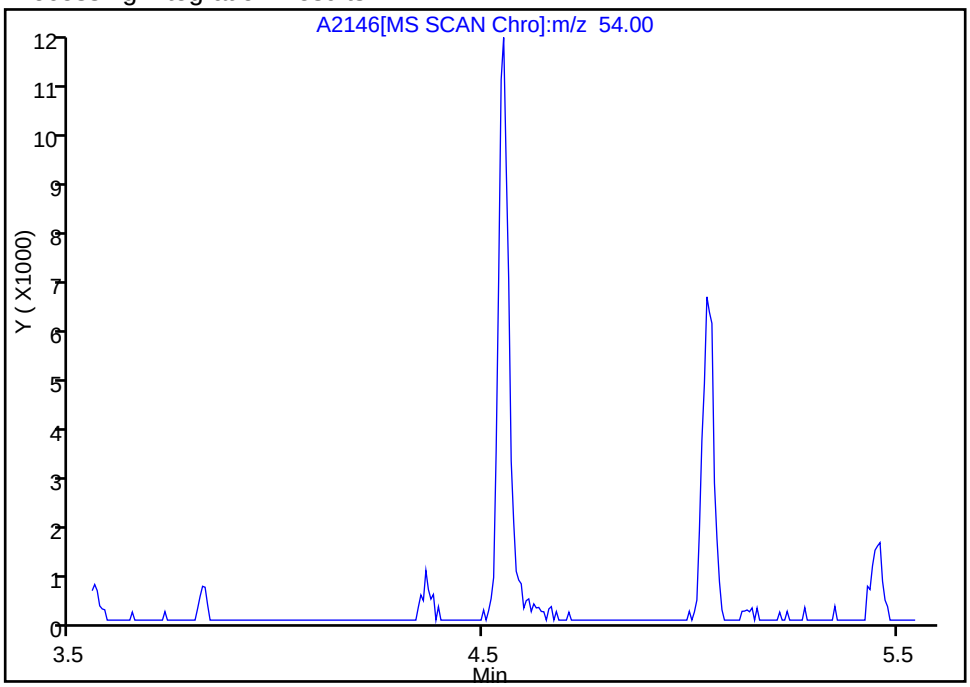
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

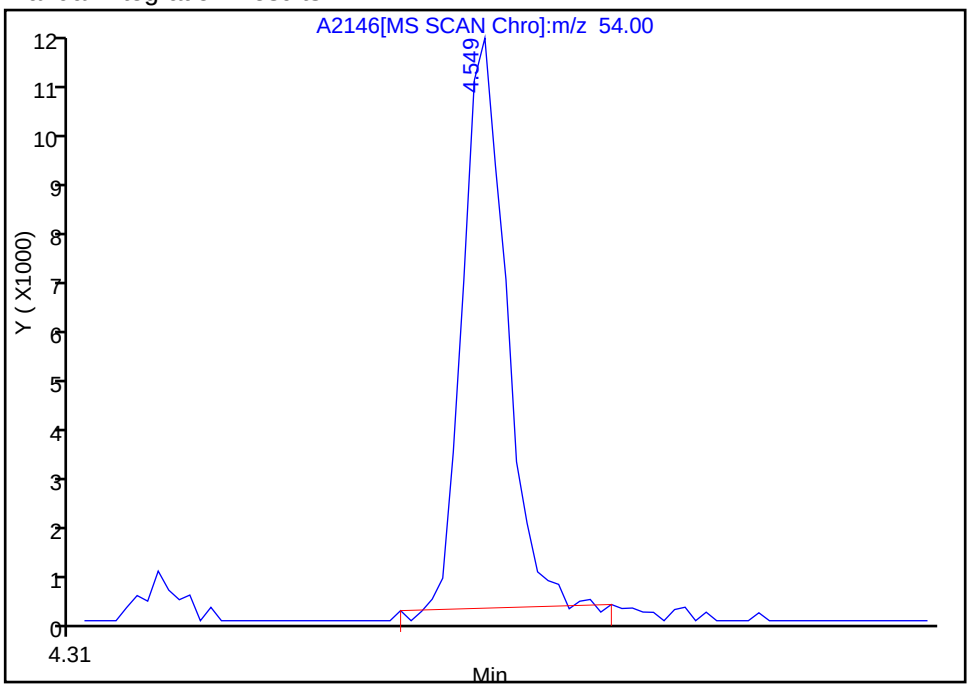


Manual Integration Results

RT: 4.55

Response: 19384

Amount: 50.319029



Reviewer: hallj, 24-Aug-2011 15:39:22

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D
Lims ID: STD100 Client ID:
Inject. Date: 24-Aug-2011 15:14:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD100
Misc. Info.: 510-0005435-008 =510-0005435-008
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 21
Lims Batch ID: 85568 Lims Sample ID: 8
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 15:40:24 Calib Date: 24-Aug-2011 15:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 15:40:24

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.615	5.614	0.001	99	864179	50.0	
* 2 Chlorobenzene-d5	82	8.803	8.807	-0.004	81	339072	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.545	0.002	93	263757	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.273	0.002	0	204436	49.6	
$ 7 Toluene-d8 (Surr)	98	7.234	7.232	0.002	92	811598	50.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.160	10.164	-0.004	89	298201	51.3	
12 Dichlorodifluoromethane	85	1.442	1.446	-0.004	87	480441	95.4	
13 Chloromethane	50	1.606	1.605	0.002	88	396193	98.9	
14 Vinyl chloride	62	1.704	1.702	0.002	82	374165	104.6	
15 Bromomethane	94	2.002	2.006	-0.004	89	196996	101.2	
16 Chloroethane	64	2.099	2.103	-0.004	95	222879	97.0	
17 Trichlorofluoromethane	101	2.349	2.347	0.002	78	553468	90.6	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.628	2.633	-0.005	78	501968	94.3	
19 Acrolein	56	2.738	2.736	0.002	88	35980	99.0	
20 1,1-Dichloroethene	61	2.835	2.833	0.002	83	435796	92.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.847	2.846	0.001	82	278078	96.0	
22 Acetone	43	2.878	2.876	0.002	96	123308	47.2	
23 Iodomethane	142	2.975	2.973	0.002	97	342105	171.2	
24 Carbon disulfide	76	3.036	3.040	-0.004	98	820976	96.3	
104 Acetonitrile	40	3.133	3.133	0.0	0	21527	102.2	M
25 Methyl acetate	43	3.194	3.192	0.002	94	329181	97.0	
26 Methylene Chloride	84	3.285	3.284	0.001	76	411390	89.1	
27 2-Methyl-2-propanol	59	3.395	3.393	0.002	98	105000	434.2	
28 Acrylonitrile	53	3.511	3.509	0.002	98	104399	101.5	
29 trans-1,2-Dichloroethene	61	3.547	3.545	0.002	84	484914	89.3	
30 Methyl tert-butyl ether	73	3.553	3.551	0.002	88	974121	93.3	
31 Hexane	57	3.821	3.819	0.002	92	153678	93.4	
32 1,1-Dichloroethane	63	3.942	3.941	0.001	83	633878	94.6	
33 Vinyl acetate	43	3.991	3.989	0.002	99	1255502	184.7	
34 Isopropyl ether	45	4.022	4.022	0.0	0	1044727	88.4	M

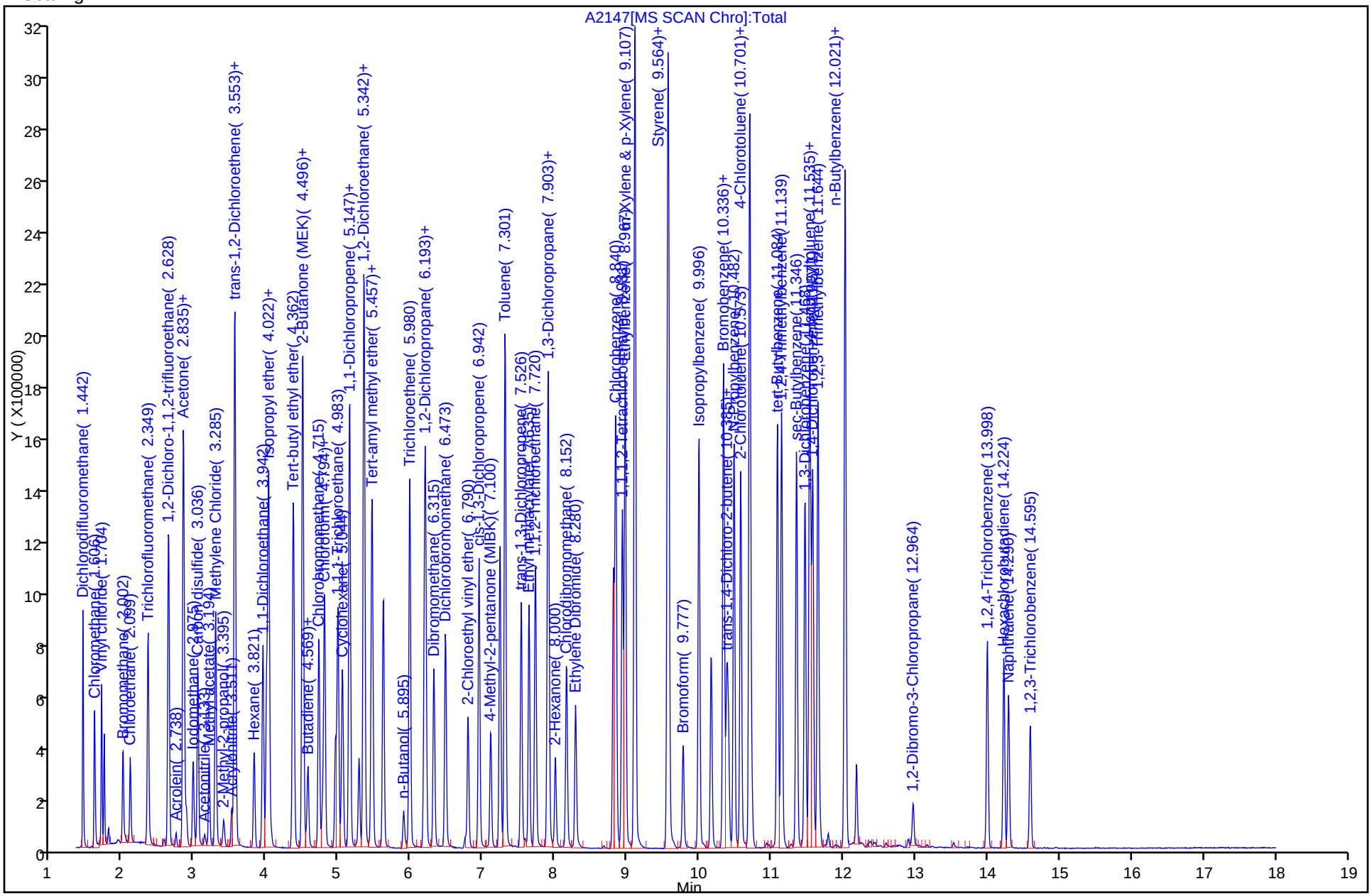
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.362	4.360	0.002	93	1005933	93.5	
36 cis-1,2-Dichloroethene	61	4.490	4.488	0.002	82	555681	91.9	
37 2,2-Dichloropropane	77	4.496	4.494	0.002	68	462988	98.0	
38 2-Butanone (MEK)	43	4.502	4.500	0.002	54	147178	105.9	
39 Propionitrile	54	4.545	4.545	0.0	0	36244	96.9	M
103 Butadiene	54	4.545	4.545	0.0	0	37435	99.6	M
101 Ethyl acetate	43	4.569	4.567	0.002	0	279575	94.2	
40 Chlorobromomethane	130	4.715	4.719	-0.004	81	320289	96.6	
41 Tetrahydrofuran	42	4.770	4.768	0.002	84	84672	99.8	
42 Chloroform	83	4.794	4.792	0.002	78	702174	98.0	
43 1,1,1-Trichloroethane	97	4.983	4.981	0.002	90	579758	98.6	
44 Cyclohexane	56	5.044	5.042	0.002	86	282059	94.1	
46 1,1-Dichloropropene	75	5.141	5.139	0.002	92	469482	95.0	
45 Carbon tetrachloride	117	5.147	5.145	0.002	83	450056	101.4	
47 Benzene	78	5.342	5.340	0.002	93	1456662	81.6	
48 1,2-Dichloroethane	62	5.348	5.346	0.002	47	451402	93.9	
50 Isobutyl alcohol	41	5.457	5.455	0.002	40	115791	98.3	
49 Tert-amyl methyl ether	73	5.457	5.455	0.002	98	1036092	92.1	
102 n-Butanol	56	5.895	5.893	0.002	0	80774	1776.3	
51 Trichloroethene	132	5.980	5.979	0.001	86	492839	97.8	
52 Methylcyclohexane	83	6.187	6.185	0.002	88	338900	94.9	
53 1,2-Dichloropropane	63	6.199	6.198	0.001	92	389184	96.4	
54 Dibromomethane	93	6.315	6.313	0.002	91	252234	100.5	
55 Dichlorobromomethane	83	6.473	6.471	0.002	92	531774	105.3	
56 2-Chloroethyl vinyl ether	63	6.790	6.788	0.002	91	216073	200.7	
60 cis-1,3-Dichloropropene	75	6.942	6.940	0.002	92	628218	106.3	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.098	0.002	95	275482	103.0	
59 Toluene	91	7.301	7.305	-0.004	93	1495573	87.0	
57 trans-1,3-Dichloropropene	75	7.526	7.524	0.002	86	523783	98.6	
61 Ethyl methacrylate	69	7.635	7.633	0.002	95	481112	107.4	
62 1,1,2-Trichloroethane	83	7.720	7.724	-0.004	83	305658	95.6	
63 Tetrachloroethene	166	7.897	7.895	0.002	87	354198	93.0	
64 1,3-Dichloropropane	76	7.909	7.907	0.002	86	592743	94.6	
65 2-Hexanone	43	8.000	7.998	0.002	94	212795	103.6	
66 Chlorodibromomethane	129	8.152	8.156	-0.004	87	434443	99.9	
67 Ethylene Dibromide	107	8.280	8.284	-0.004	99	399344	104.1	
68 Chlorobenzene	112	8.840	8.838	0.002	91	1052786	88.6	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.929	0.002	95	416295	106.2	
70 Ethylbenzene	91	8.967	8.972	-0.005	96	1374846	87.1	
71 m-Xylene & p-Xylene	91	9.107	9.105	0.002	0	1950080	164.9	
72 o-Xylene	91	9.558	9.562	-0.004	89	1197228	90.6	
73 Styrene	104	9.576	9.574	0.002	92	1053825	95.4	
74 Bromoform	173	9.777	9.775	0.002	97	217997	100.9	
75 Isopropylbenzene	105	9.996	9.994	0.002	95	1159442	93.2	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.334	-0.004	78	387365	103.5	
77 Bromobenzene	77	10.336	10.334	0.002	89	598998	94.3	
78 1,2,3-Trichloropropane	75	10.379	10.383	-0.004	28	424507	105.4	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.401	0.002	45	82138	100.5	
80 N-Propylbenzene	91	10.482	10.480	0.002	95	1314463	91.0	
81 2-Chlorotoluene	91	10.573	10.572	0.001	94	881904	90.1	
82 1,3,5-Trimethylbenzene	105	10.695	10.693	0.002	90	987257	94.8	
83 4-Chlorotoluene	91	10.701	10.699	0.002	96	1000161	90.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.084	11.083	0.001	92	899834	94.1	
85 1,2,4-Trimethylbenzene	105	11.139	11.137	0.002	64	1020151	92.8	
86 sec-Butylbenzene	105	11.346	11.350	-0.004	94	1133261	91.7	
87 1,3-Dichlorobenzene	146	11.468	11.466	0.002	96	693699	95.2	
88 4-Isopropyltoluene	119	11.529	11.527	0.002	90	992031	93.9	
89 1,4-Dichlorobenzene	146	11.571	11.575	-0.004	88	676144	93.8	
99 1,2,3-Trimethylbenzene	105	11.644	11.648	-0.004	0	1080668	94.1	
91 1,2-Dichlorobenzene	146	12.021	12.019	0.002	85	652571	96.0	
90 n-Butylbenzene	91	12.021	12.025	-0.004	94	822046	98.1	
92 1,2-Dibromo-3-Chloropropane	157	12.970	12.962	0.008	63	58622	101.8	
93 1,2,4-Trichlorobenzene	180	13.998	13.997	0.001	96	282790	99.8	
94 Hexachlorobutadiene	225	14.224	14.228	-0.004	95	148317	99.4	
95 Naphthalene	128	14.290	14.289	0.001	98	563550	107.3	
96 1,2,3-Trichlorobenzene	180	14.595	14.593	0.002	96	172169	100.6	
S 98 Xylenes, Total	100				0		255.5	
S 97 Total 1,2-dichloroethene	100				0		181.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D
Injection Date: 24-Aug-2011 15:14:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 8
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

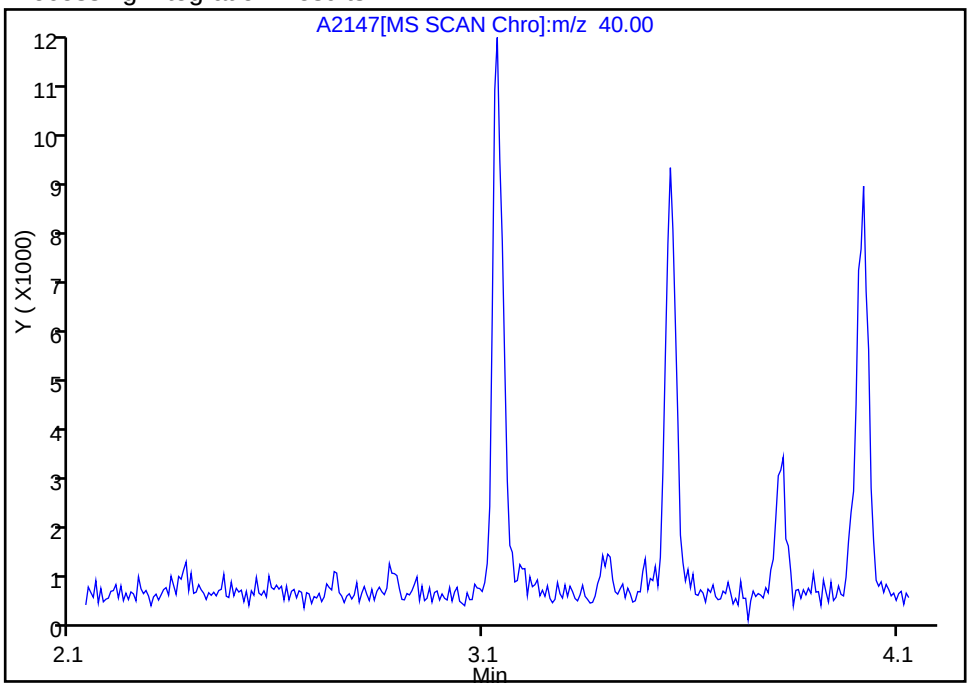
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D		
Injection Date:	24-Aug-2011 15:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	8
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

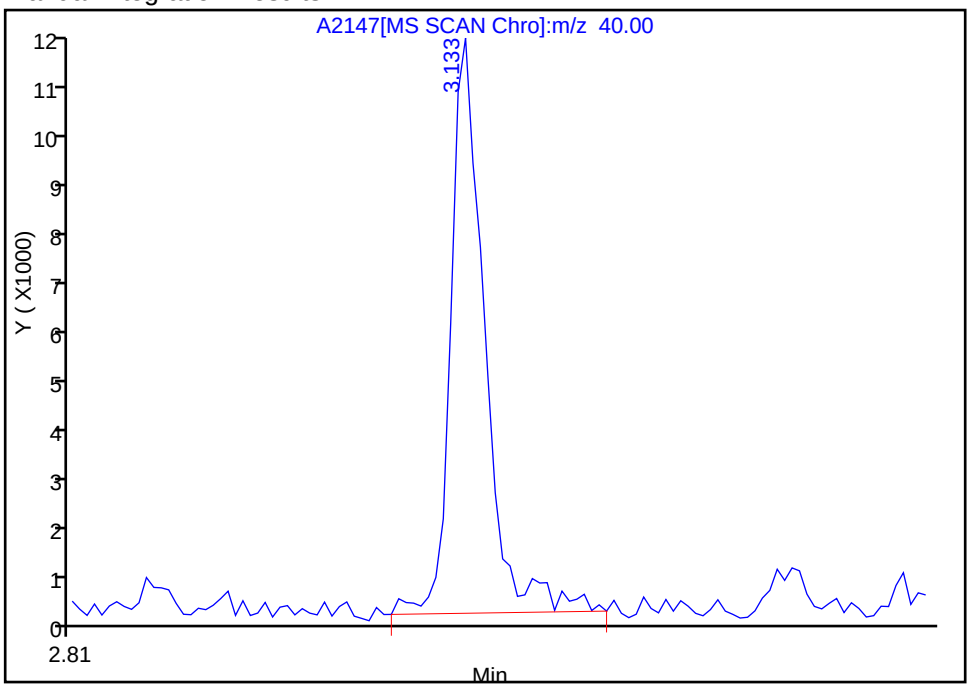
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 21527
Amount: 102.1593



Reviewer: hallj, 24-Aug-2011 15:40:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D

Injection Date: 24-Aug-2011 15:14:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 8

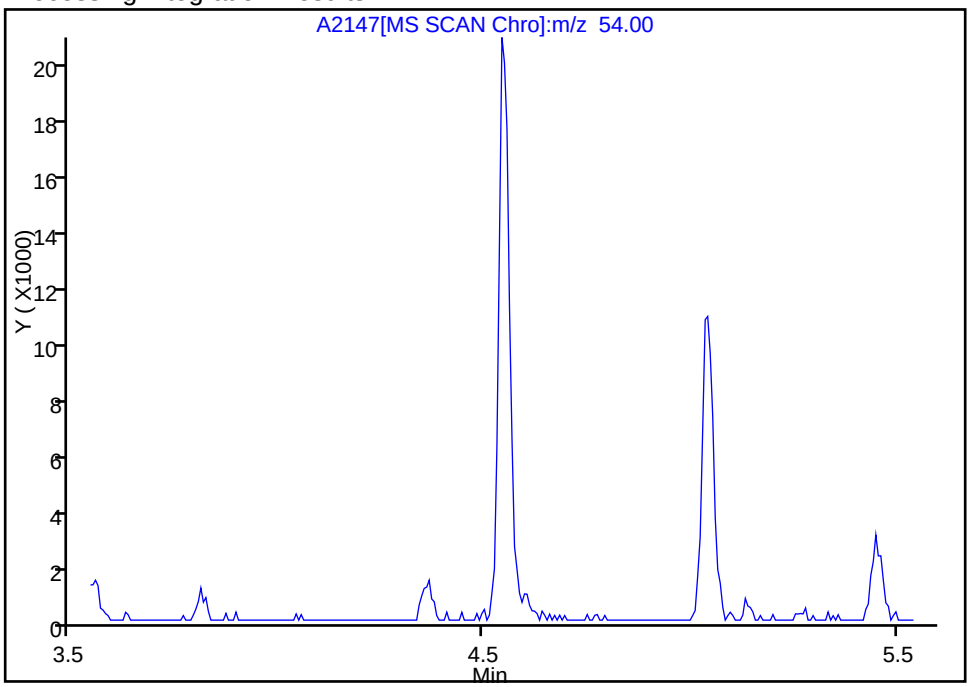
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Processing Integration Results

Not Detected

Expected RT: 4.54

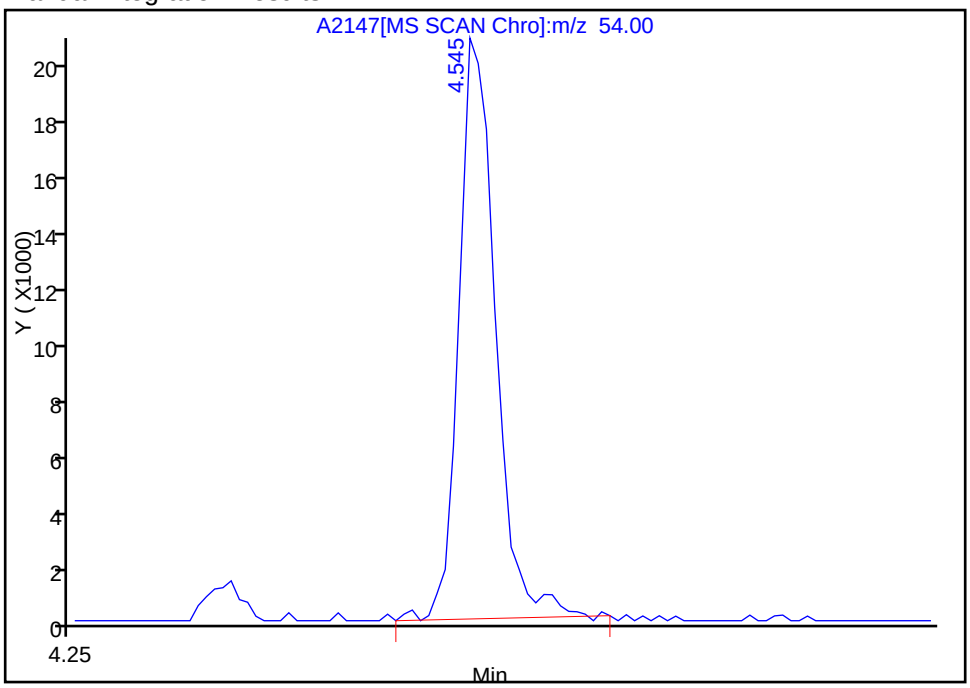


Manual Integration Results

RT: 4.54

Response: 37435

Amount: 99.644971



Reviewer: hallj, 24-Aug-2011 15:40:24

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D

Injection Date: 24-Aug-2011 15:14:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 8

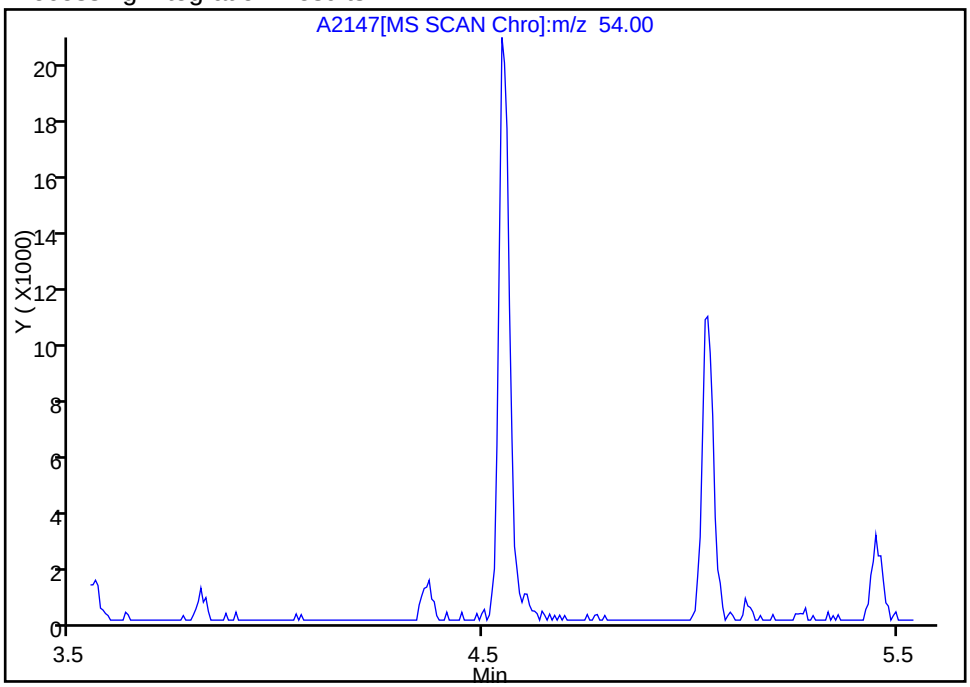
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Not Detected

Expected RT: 4.54

Processing Integration Results

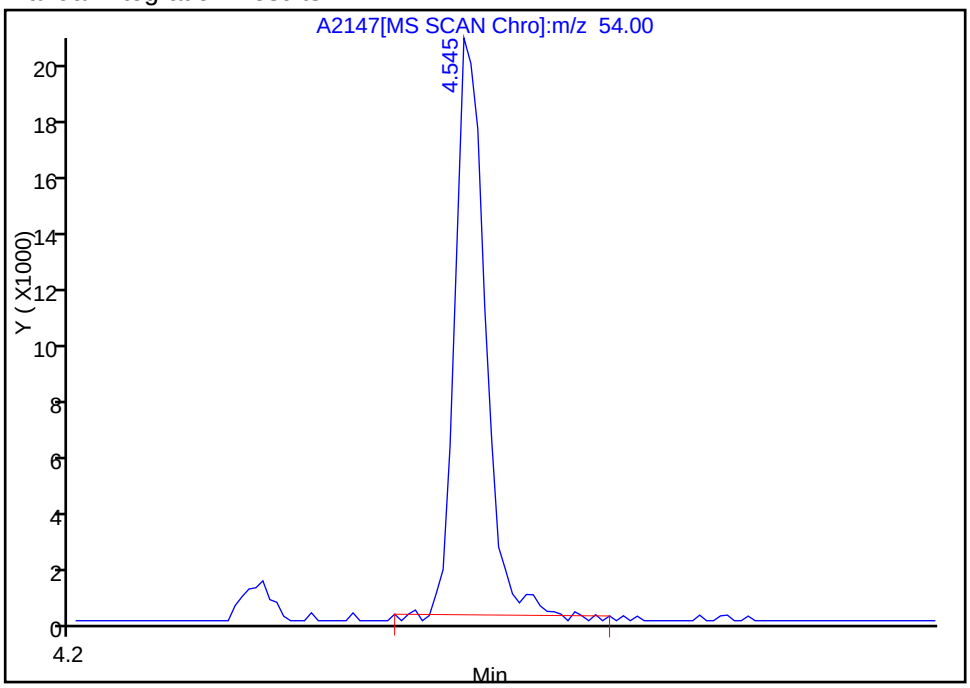


Manual Integration Results

RT: 4.54

Response: 36244

Amount: 96.896869



Reviewer: hallj, 24-Aug-2011 15:40:24

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 15:40:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

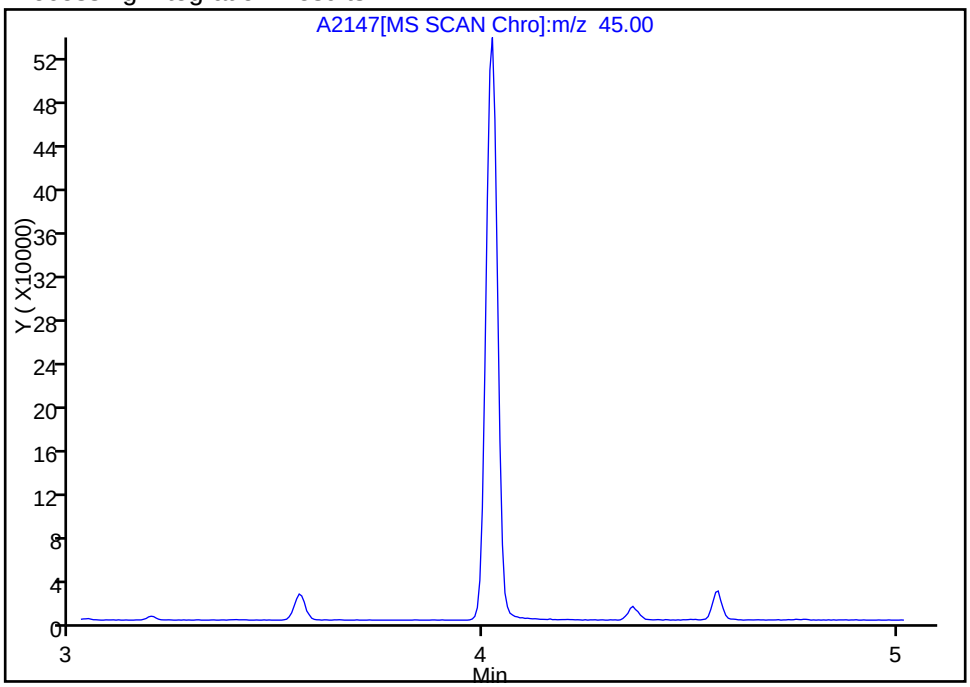
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2147.D		
Injection Date:	24-Aug-2011 15:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	8
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

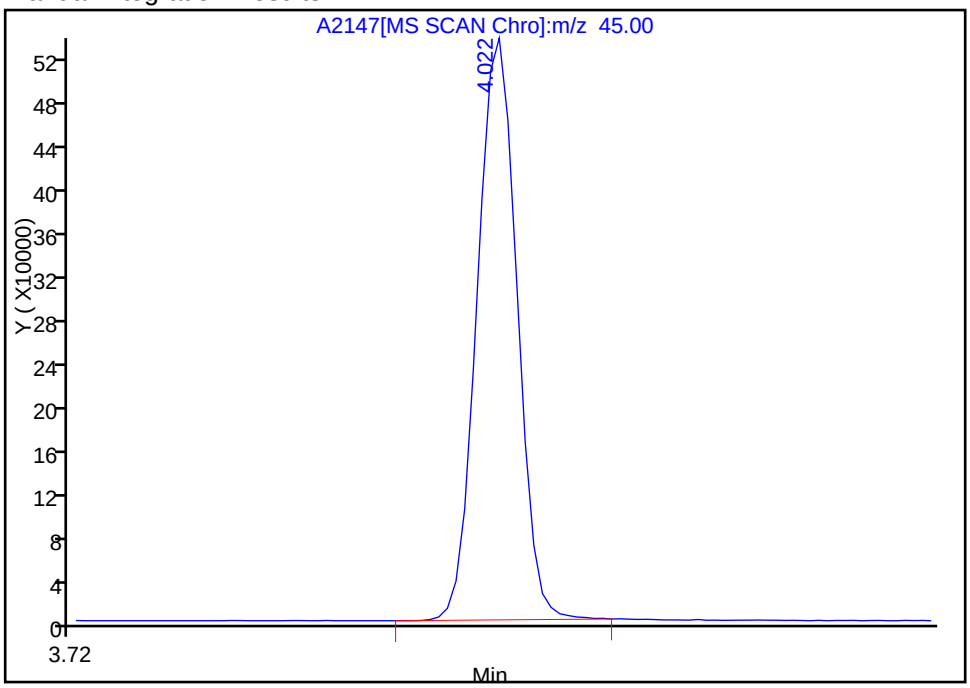
Processing Integration Results

Not Detected
Expected RT: 4.02



Manual Integration Results

RT: 4.02
Response: 1044727
Amount: 88.428814



Reviewer: hallj, 24-Aug-2011 15:40:24
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D
Lims ID: STD150 Client ID:
Inject. Date: 24-Aug-2011 15:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD150
Misc. Info.: 510-0005435-009 =510-0005435-009
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 22
Lims Batch ID: 85568 Lims Sample ID: 9
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:08:53 Calib Date: 24-Aug-2011 15:47:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 16:08:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.609	5.614	-0.005	99	871118	50.0	
* 2 Chlorobenzene-d5	82	8.803	8.807	-0.004	81	341790	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.545	0.002	86	267384	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.273	0.002	0	206513	49.7	
$ 7 Toluene-d8 (Surr)	98	7.234	7.232	0.002	92	811899	50.2	
$ 8 4-Bromofluorobenzene (Surr)	95	10.166	10.164	0.002	92	297707	50.4	
12 Dichlorodifluoromethane	85	1.442	1.446	-0.004	86	684238	136.8	
13 Chloromethane	50	1.600	1.605	-0.004	88	579873	146.7	
14 Vinyl chloride	62	1.704	1.702	0.002	82	538713	149.4	
15 Bromomethane	94	1.990	2.006	-0.016	89	305844	151.3	
16 Chloroethane	64	2.099	2.103	-0.004	94	320775	140.0	
17 Trichlorofluoromethane	101	2.343	2.347	-0.004	79	818811	135.1	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.629	2.633	-0.004	78	725367	137.1	
19 Acrolein	56	2.738	2.736	0.002	92	54390	148.8	
20 1,1-Dichloroethene	61	2.829	2.833	-0.004	83	618331	132.0	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.841	2.846	-0.005	83	405988	140.4	
22 Acetone	43	2.878	2.876	0.002	95	173804	148.8	
23 Iodomethane	142	2.975	2.973	0.002	99	489625	146.4	
24 Carbon disulfide	76	3.036	3.040	-0.004	98	1192219	140.2	
104 Acetonitrile	40	3.133	3.133	0.0	0	30887	146.3	M
25 Methyl acetate	43	3.194	3.192	0.002	94	478773	141.4	
26 Methylene Chloride	84	3.286	3.284	0.002	74	592814	130.1	
27 2-Methyl-2-propanol	59	3.395	3.393	0.002	99	153536	625.4	
28 Acrylonitrile	53	3.505	3.509	-0.004	99	149501	145.0	
29 trans-1,2-Dichloroethene	61	3.547	3.545	0.002	85	695717	130.0	
30 Methyl tert-butyl ether	73	3.553	3.551	0.002	89	1362601	132.1	
31 Hexane	57	3.821	3.819	0.002	92	226876	138.5	
32 1,1-Dichloroethane	63	3.943	3.941	0.002	83	899521	135.4	
33 Vinyl acetate	43	3.991	3.991	0.0	98	1731067	258.5	M
34 Isopropyl ether	45	4.022	4.022	0.0	0	1463554	126.1	M

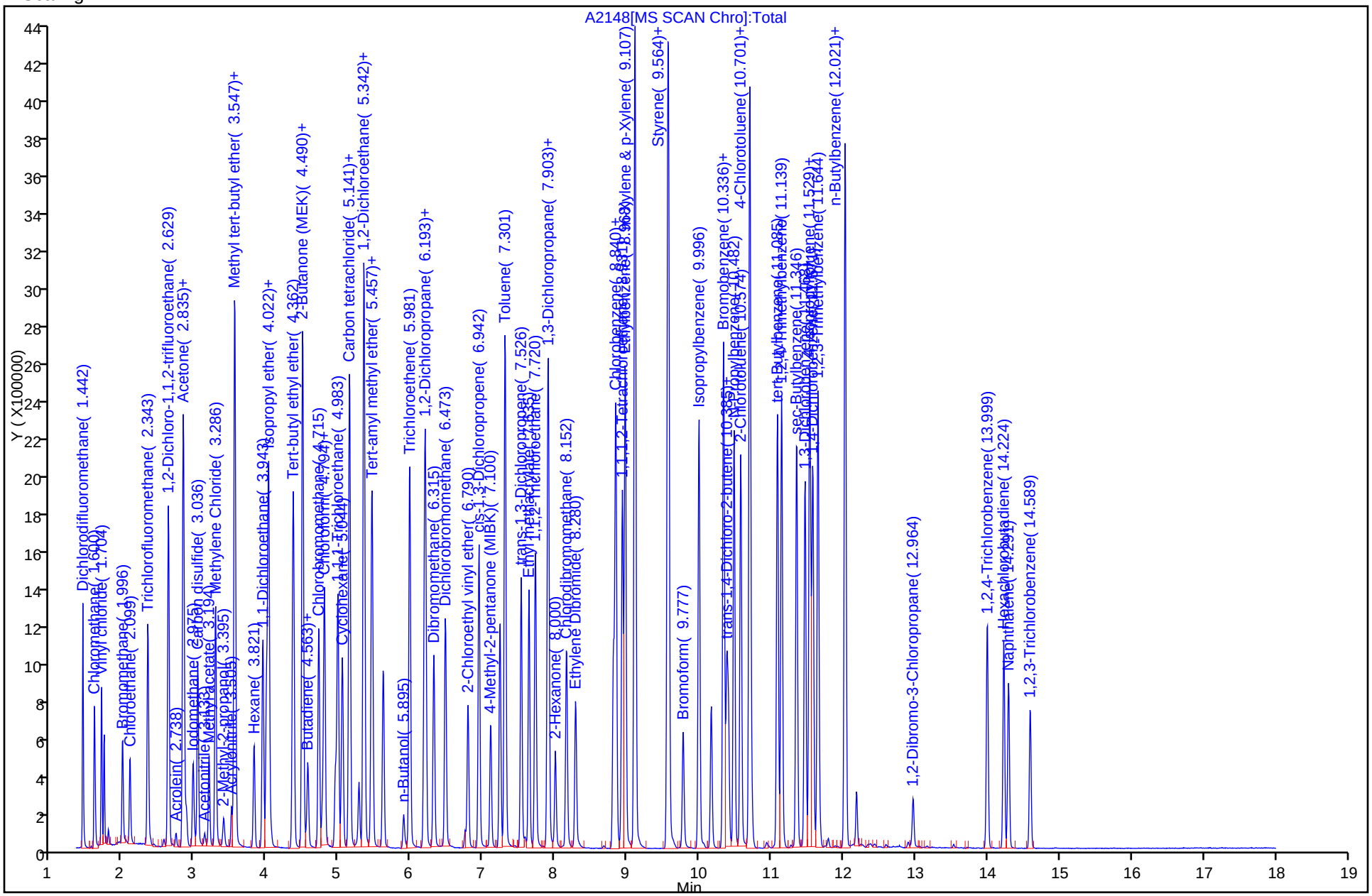
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.362	4.360	0.002	91	1421301	133.5	
36 cis-1,2-Dichloroethene	61	4.490	4.488	0.002	81	791243	132.3	
37 2,2-Dichloropropane	77	4.496	4.494	0.002	70	668007	146.7	
38 2-Butanone (MEK)	43	4.502	4.500	0.002	56	209235	149.9	
39 Propionitrile	54	4.551	4.545	0.006	61	57574	150.7	
103 Butadiene	54	4.551	4.551	0.0	0	54044	147.5	M
101 Ethyl acetate	43	4.563	4.567	-0.004	0	405098	137.3	
40 Chlorobromomethane	130	4.715	4.719	-0.004	79	464988	140.6	
41 Tetrahydrofuran	42	4.770	4.768	0.002	83	124197	148.4	
42 Chloroform	83	4.794	4.792	0.002	78	997027	140.8	
43 1,1,1-Trichloroethane	97	4.983	4.981	0.002	89	843859	143.4	
44 Cyclohexane	56	5.044	5.042	0.002	85	412812	138.4	
46 1,1-Dichloropropene	75	5.141	5.139	0.002	92	682190	138.7	
45 Carbon tetrachloride	117	5.147	5.145	0.002	82	669057	149.6	
47 Benzene	78	5.342	5.340	0.002	93	1995452	143.6	
48 1,2-Dichloroethane	62	5.348	5.346	0.002	49	647053	135.6	
50 Isobutyl alcohol	41	5.457	5.455	0.002	42	172215	148.6	
49 Tert-amyl methyl ether	73	5.457	5.455	0.002	96	1454648	131.0	
102 n-Butanol	56	5.895	5.893	0.002	0	104687	2165.0	
51 Trichloroethene	132	5.981	5.979	0.002	86	716122	142.2	
52 Methylcyclohexane	83	6.181	6.185	-0.004	91	505487	141.7	
53 1,2-Dichloropropane	63	6.200	6.198	0.002	92	550338	137.1	
54 Dibromomethane	93	6.315	6.313	0.002	91	369526	146.6	
55 Dichlorobromomethane	83	6.473	6.471	0.002	92	780067	152.8	
56 2-Chloroethyl vinyl ether	63	6.790	6.788	0.002	93	326866	299.4	
60 cis-1,3-Dichloropropene	75	6.942	6.940	0.002	93	918555	153.5	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.098	0.002	94	399459	148.4	
59 Toluene	91	7.301	7.305	-0.004	94	2047088	121.8	
57 trans-1,3-Dichloropropene	75	7.526	7.524	0.002	86	780519	165.0	
61 Ethyl methacrylate	69	7.635	7.633	0.002	94	726903	159.3	
62 1,1,2-Trichloroethane	83	7.720	7.724	-0.004	84	450936	141.3	
63 Tetrachloroethene	166	7.897	7.895	0.002	87	511117	135.0	
64 1,3-Dichloropropane	76	7.909	7.907	0.002	88	832774	134.1	
65 2-Hexanone	43	8.000	7.998	0.002	92	306056	148.1	
66 Chlorodibromomethane	129	8.158	8.156	0.002	87	653352	149.3	
67 Ethylene Dibromide	107	8.280	8.284	-0.004	99	581384	150.3	
68 Chlorobenzene	112	8.840	8.838	0.002	93	1473723	126.3	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.929	0.002	90	613082	154.4	
70 Ethylbenzene	91	8.968	8.972	-0.004	95	1881833	121.9	
71 m-Xylene & p-Xylene	91	9.107	9.105	0.002	0	2609387	302.9	
72 o-Xylene	91	9.558	9.562	-0.004	88	1669850	128.3	
73 Styrene	104	9.576	9.574	0.002	90	1472967	134.5	
74 Bromoform	173	9.777	9.775	0.002	98	336504	150.9	
75 Isopropylbenzene	105	9.996	9.994	0.002	93	1635595	132.3	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.334	-0.004	79	557683	147.4	
77 Bromobenzene	77	10.336	10.334	0.002	89	866922	136.6	
78 1,2,3-Trichloropropane	75	10.379	10.383	-0.004	33	630100	153.7	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.401	0.002	56	123281	168.9	
80 N-Propylbenzene	91	10.482	10.480	0.002	93	1827269	127.9	
81 2-Chlorotoluene	91	10.574	10.572	0.002	94	1257378	129.5	
82 1,3,5-Trimethylbenzene	105	10.695	10.693	0.002	90	1394835	134.4	
83 4-Chlorotoluene	91	10.701	10.699	0.002	96	1395610	127.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.085	11.083	0.002	87	1313177	137.4	
85 1,2,4-Trimethylbenzene	105	11.139	11.137	0.002	62	1446394	132.4	
86 sec-Butylbenzene	105	11.352	11.350	0.002	94	1622102	132.1	
87 1,3-Dichlorobenzene	146	11.468	11.466	0.002	96	988683	135.9	
88 4-Isopropyltoluene	119	11.529	11.527	0.002	88	1419162	134.8	
89 1,4-Dichlorobenzene	146	11.577	11.575	0.002	88	974806	135.5	
99 1,2,3-Trimethylbenzene	105	11.644	11.648	-0.004	0	1513624	132.6	
91 1,2-Dichlorobenzene	146	12.021	12.019	0.002	89	936890	137.8	
90 n-Butylbenzene	91	12.028	12.025	0.003	94	1174562	146.0	
92 1,2-Dibromo-3-Chloropropane	157	12.970	12.962	0.008	63	88642	150.0	
93 1,2,4-Trichlorobenzene	180	13.999	13.997	0.002	93	425642	151.3	
94 Hexachlorobutadiene	225	14.230	14.228	0.002	95	221529	149.1	
95 Naphthalene	128	14.291	14.289	0.002	97	848025	157.9	
96 1,2,3-Trichlorobenzene	180	14.595	14.593	0.002	95	266797	150.9	
S 98 Xylenes, Total	100				0		431.3	
S 97 Total 1,2-dichloroethene	100				0		262.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 16:08:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D
Injection Date: 24-Aug-2011 15:47:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 9
Operator ID: JLH
Y Scaling:



Report Date: 24-Aug-2011 16:08:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D

Injection Date: 24-Aug-2011 15:47:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 9

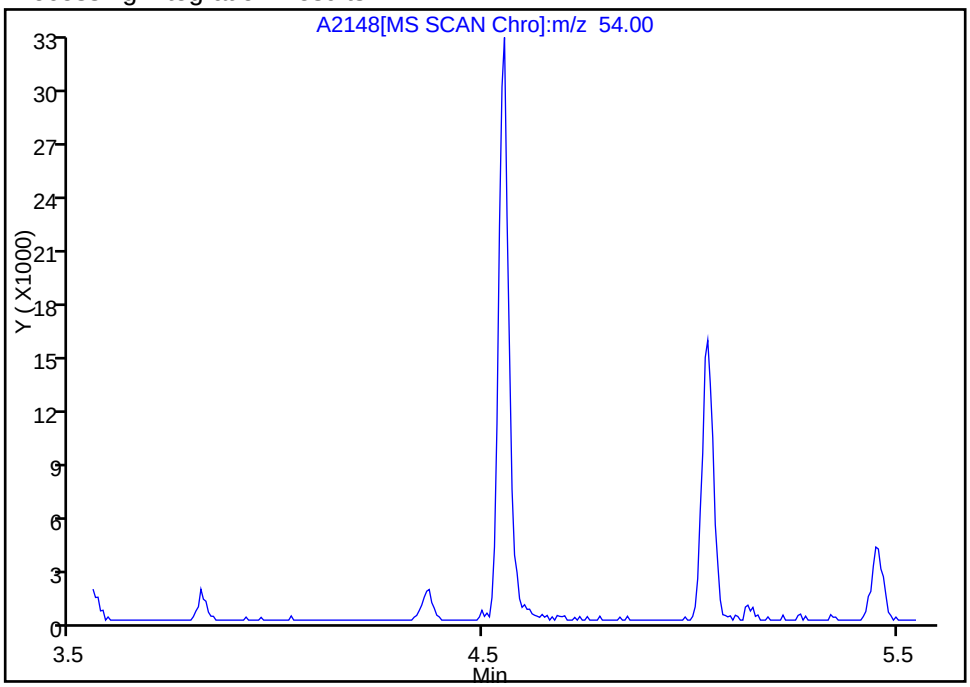
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

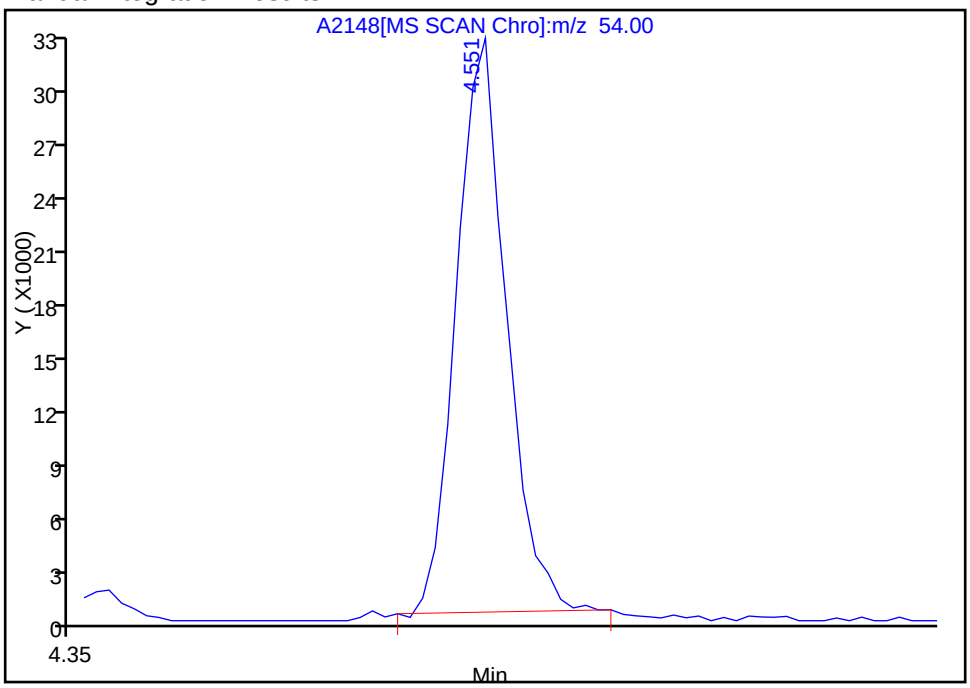


Manual Integration Results

RT: 4.55

Response: 54044

Amount: 147.5227



Reviewer: hallj, 24-Aug-2011 16:08:53

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:08:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

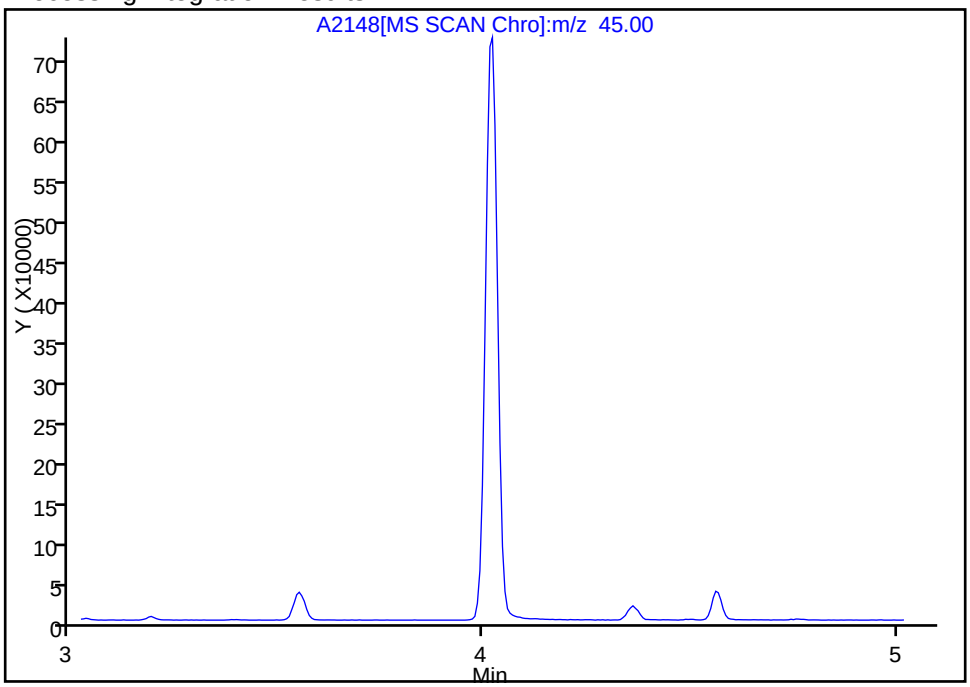
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D		
Injection Date:	24-Aug-2011 15:47:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	9
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

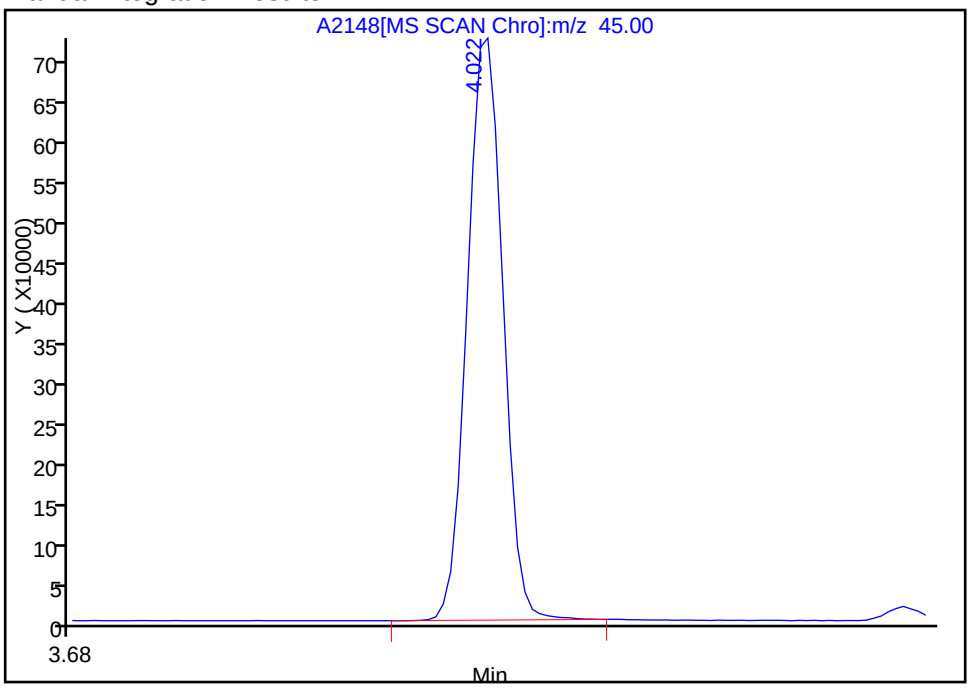
Processing Integration Results

Not Detected
Expected RT: 4.02



Manual Integration Results

RT: 4.02
Response: 1463554
Amount: 126.1495



Reviewer: hallj, 24-Aug-2011 16:08:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:08:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

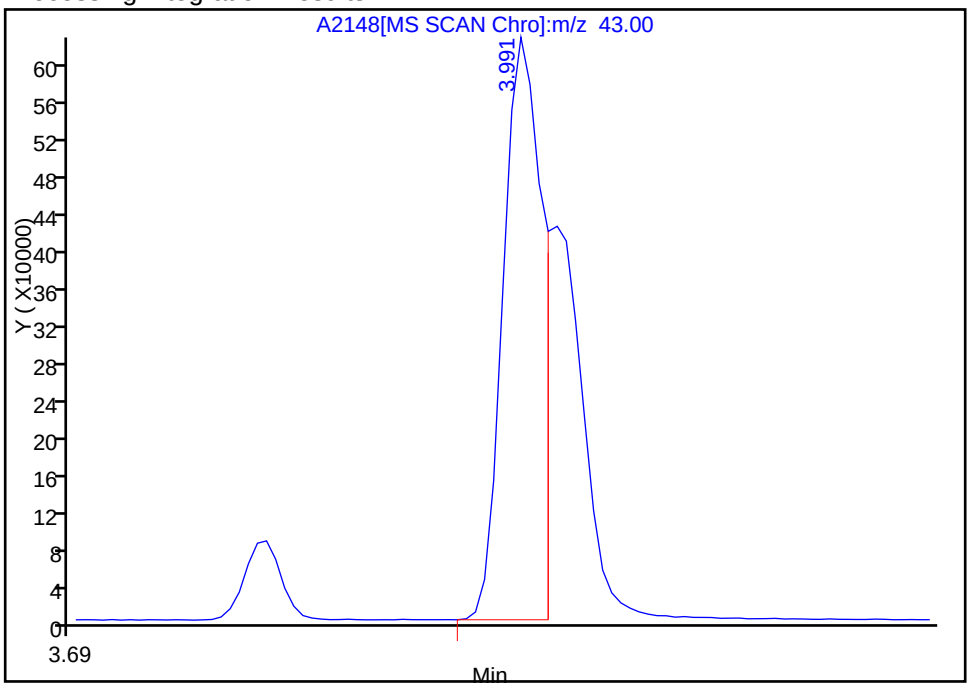
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D		
Injection Date:	24-Aug-2011 15:47:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	9
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

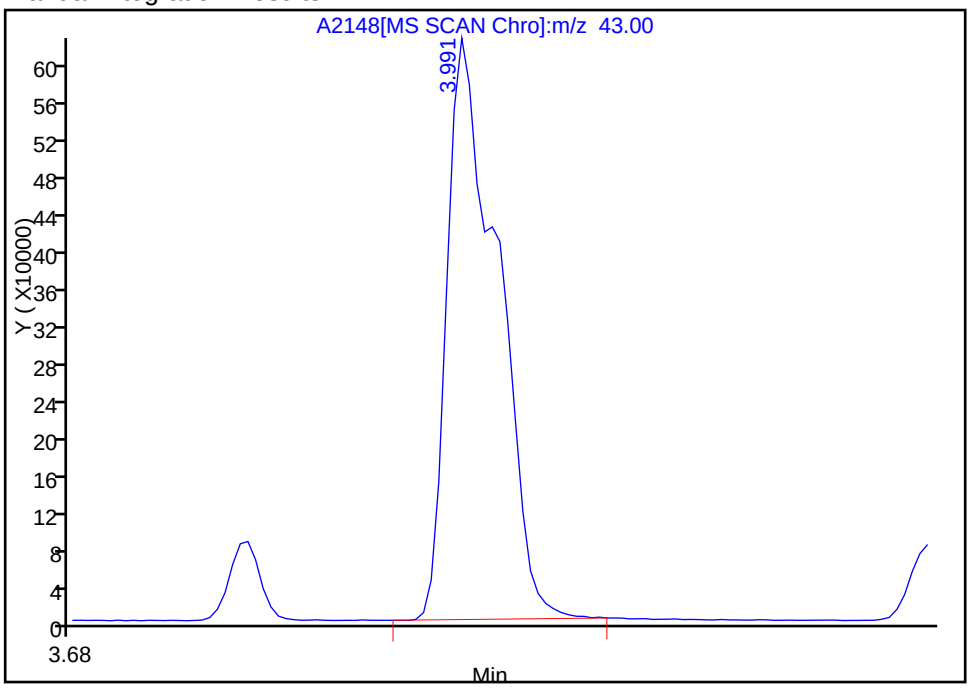
Processing Integration Results

RT: 3.99
Response: 1154250
Amount: 179.7171



Manual Integration Results

RT: 3.99
Response: 1731067
Amount: 258.4735



Reviewer: hallj, 24-Aug-2011 16:08:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:08:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

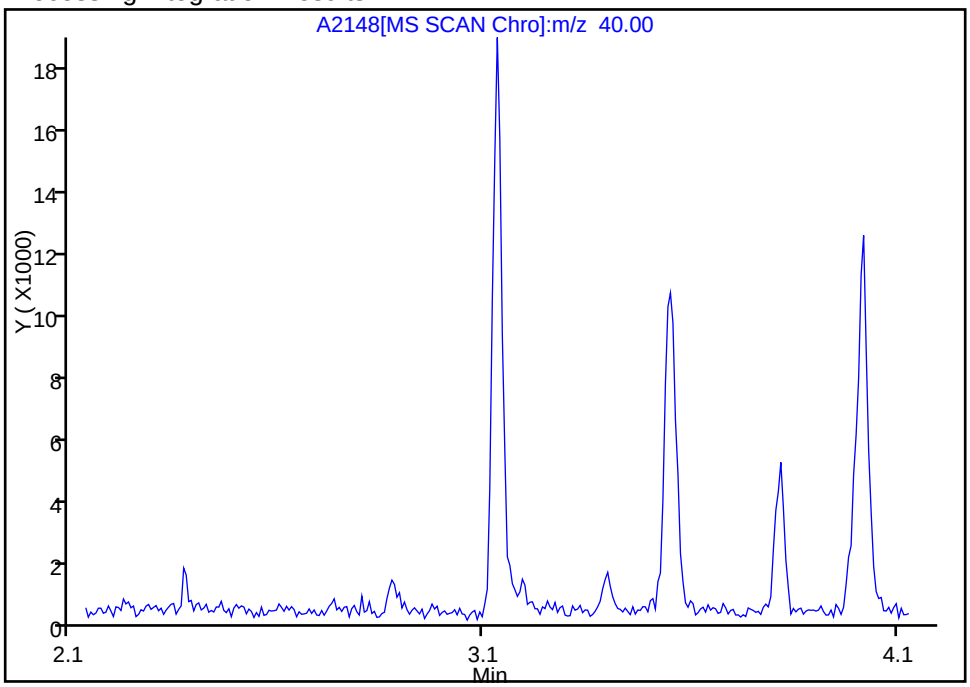
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2148.D		
Injection Date:	24-Aug-2011 15:47:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	9
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

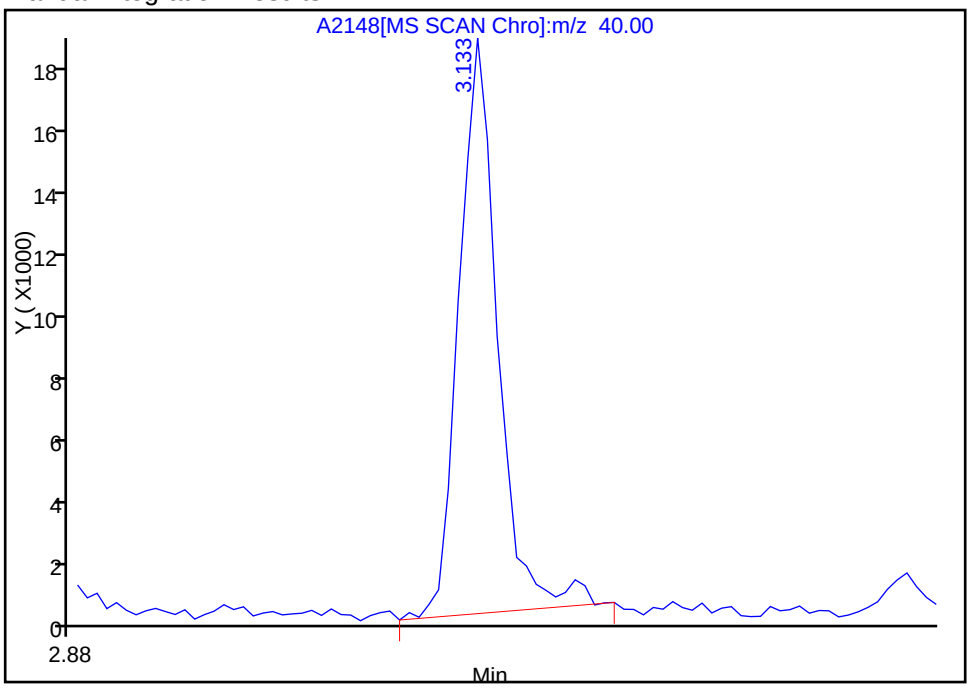
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 30887
Amount: 146.3061



Reviewer: hallj, 24-Aug-2011 16:08:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:52:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D
Lims ID: STD200 Client ID:
Inject. Date: 24-Aug-2011 16:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: STD200
Misc. Info.: 510-0005435-010 =510-0005435-010
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 28
Lims Batch ID: 85568 Lims Sample ID: 10
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:52:41 Calib Date: 24-Aug-2011 16:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 16:52:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.614	0.0	99	859683	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.807	0.001	81	341778	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.545	0.001	62	268996	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.273	0.0	0	201965	49.3	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	816397	51.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.164	0.001	91	301714	50.7	
12 Dichlorodifluoromethane	85	1.441	1.446	-0.005	86	849923	175.2	
13 Chloromethane	50	1.605	1.605	0.001	87	712051	184.6	
14 Vinyl chloride	62	1.702	1.702	0.0	82	653380	185.6	
15 Bromomethane	94	1.988	2.006	-0.018	90	345629	187.2	
16 Chloroethane	64	2.092	2.103	-0.011	95	397180	178.3	
17 Trichlorofluoromethane	101	2.341	2.347	-0.006	78	1017834	173.4	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.627	2.633	-0.006	77	884012	172.6	
19 Acrolein	56	2.737	2.736	0.001	93	66736	186.9	
20 1,1-Dichloroethene	61	2.834	2.833	0.001	82	741514	164.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.840	2.846	-0.006	83	508054	180.6	
22 Acetone	43	2.877	2.876	0.001	95	230243	201.2	
23 Iodomethane	142	2.974	2.973	0.001	98	622660	194.5	
24 Carbon disulfide	76	3.035	3.040	-0.005	99	1424680	173.0	
104 Acetonitrile	40	3.132	3.132	0.0	0	34986	172.5	M
25 Methyl acetate	43	3.193	3.192	0.001	94	614849	185.8	
26 Methylene Chloride	84	3.284	3.284	0.0	75	715370	163.3	
27 2-Methyl-2-propanol	59	3.400	3.393	0.007	98	196004	807.9	
28 Acrylonitrile	53	3.509	3.509	0.0	99	192369	190.4	
29 trans-1,2-Dichloroethene	61	3.546	3.545	0.001	88	843321	163.8	
30 Methyl tert-butyl ether	73	3.552	3.551	0.001	90	1601456	161.6	
31 Hexane	57	3.820	3.819	0.001	91	288125	180.7	
32 1,1-Dichloroethane	63	3.941	3.941	0.0	83	1079071	168.3	
33 Vinyl acetate	43	3.990	3.990	0.0	98	1860866	388.8	M
34 Isopropyl ether	45	4.020	4.020	0.0	6	1698164	153.3	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.361	4.360	0.001	90	1678198	163.8	
36 cis-1,2-Dichloroethene	61	4.489	4.488	0.001	80	943993	164.1	
37 2,2-Dichloropropane	77	4.495	4.494	0.001	68	790095	175.7	
38 2-Butanone (MEK)	43	4.501	4.500	0.001	56	264735	193.9	
39 Propionitrile	54	4.550	4.545	0.005	45	69300	191.0	
103 Butadiene	54	4.550	4.550	0.0	0	68866	185.5	M
101 Ethyl acetate	43	4.568	4.567	0.001	0	500698	175.0	
40 Chlorobromomethane	130	4.720	4.719	0.001	79	563691	175.7	
41 Tetrahydrofuran	42	4.769	4.768	0.001	83	153861	196.3	
42 Chloroform	83	4.793	4.792	0.001	78	1191641	175.3	
43 1,1,1-Trichloroethane	97	4.981	4.981	0.0	89	1028626	179.7	
44 Cyclohexane	56	5.042	5.042	0.0	86	518375	178.8	
46 1,1-Dichloropropene	75	5.140	5.139	0.001	91	828757	173.9	
45 Carbon tetrachloride	117	5.146	5.145	0.001	80	827090	188.9	
47 Benzene	78	5.340	5.340	0.0	93	2309718	200.6	
48 1,2-Dichloroethane	62	5.346	5.346	0.0	49	776468	168.6	
50 Isobutyl alcohol	41	5.456	5.455	0.001	43	208974	192.4	
49 Tert-amyl methyl ether	73	5.456	5.455	0.001	95	1728886	162.1	
102 n-Butanol	56	5.894	5.894	0.0	0	166653	2693.7	
51 Trichloroethene	132	5.979	5.979	0.0	87	886075	180.7	
52 Methylcyclohexane	83	6.186	6.185	0.001	89	626424	180.5	
53 1,2-Dichloropropane	63	6.198	6.198	0.0	89	675111	173.7	
54 Dibromomethane	93	6.314	6.313	0.001	87	449709	183.0	
55 Dichlorobromomethane	83	6.472	6.471	0.001	92	944030	188.9	
56 2-Chloroethyl vinyl ether	63	6.788	6.788	0.0	92	420342	395.0	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	91	1099611	187.9	
58 4-Methyl-2-pentanone (MIBK)	43	7.105	7.098	0.007	94	491749	186.8	
59 Toluene	91	7.305	7.305	0.0	94	2386229	200.8	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	86	953060	203.7	
61 Ethyl methacrylate	69	7.634	7.633	0.001	93	869414	193.9	
62 1,1,2-Trichloroethane	83	7.725	7.724	0.001	84	547097	176.6	
63 Tetrachloroethene	166	7.895	7.895	0.0	85	635509	173.0	
64 1,3-Dichloropropane	76	7.908	7.907	0.001	88	1001385	167.2	
65 2-Hexanone	43	8.005	7.998	0.007	94	391934	193.1	
66 Chlorodibromomethane	129	8.157	8.156	0.001	88	811708	194.4	
67 Ethylene Dibromide	107	8.279	8.284	-0.005	100	727677	191.7	
68 Chlorobenzene	112	8.838	8.838	0.0	94	1759756	199.6	
69 1,1,1,2-Tetrachloroethane	131	8.930	8.929	0.001	89	759788	192.4	
70 Ethylbenzene	91	8.972	8.972	0.0	93	2214414	200.8	
71 m-Xylene & p-Xylene	91	9.106	9.105	0.001	0	2984937	404.3	
72 o-Xylene	91	9.562	9.562	0.0	84	1979652	156.8	
73 Styrene	104	9.574	9.574	0.0	89	1759499	164.8	
74 Bromoform	173	9.775	9.775	0.0	98	435856	197.6	
75 Isopropylbenzene	105	9.994	9.994	0.0	94	1957815	161.7	
76 1,1,2,2-Tetrachloroethane	83	10.335	10.334	0.001	74	669503	178.6	
77 Bromobenzene	77	10.335	10.334	0.001	88	1081001	172.7	
78 1,2,3-Trichloropropane	75	10.384	10.383	0.001	33	789448	192.5	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.401	0.001	51	153519	207.9	
80 N-Propylbenzene	91	10.481	10.480	0.001	93	2155789	154.8	
81 2-Chlorotoluene	91	10.572	10.572	0.0	94	1555727	163.5	
82 1,3,5-Trimethylbenzene	105	10.694	10.693	0.001	90	1672236	164.3	
83 4-Chlorotoluene	91	10.706	10.699	0.007	97	1676580	200.1	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
	84 tert-Butylbenzene	119	11.083	11.083	0.0	87	1572685	167.4	
	85 1,2,4-Trimethylbenzene	105	11.144	11.137	0.007	66	1723779	161.1	
	86 sec-Butylbenzene	105	11.351	11.350	0.001	94	1929896	174.8	
	87 1,3-Dichlorobenzene	146	11.466	11.466	0.0	95	1200174	167.8	
	88 4-Isopropyltoluene	119	11.527	11.527	0.0	86	1699844	164.6	
	89 1,4-Dichlorobenzene	146	11.576	11.575	0.001	86	1179848	166.9	
	99 1,2,3-Trimethylbenzene	105	11.649	11.648	0.001	0	1810728	161.9	
	91 1,2-Dichlorobenzene	146	12.020	12.019	0.001	92	1140536	170.3	
	90 n-Butylbenzene	91	12.026	12.025	0.001	93	1443758	182.1	
	92 1,2-Dibromo-3-Chloropropane	157	12.969	12.962	0.007	64	115935	197.4	
	93 1,2,4-Trichlorobenzene	180	13.997	13.997	0.0	94	556046	196.9	
	94 Hexachlorobutadiene	225	14.228	14.228	0.0	93	288676	197.2	
	95 Naphthalene	128	14.289	14.289	0.0	98	1079980	199.9	
	96 1,2,3-Trichlorobenzene	180	14.593	14.593	0.0	96	352517	199.0	
S	98 Xylenes, Total	100				0		561.1	
S	97 Total 1,2-dichloroethene	100				0		327.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 16:52:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D

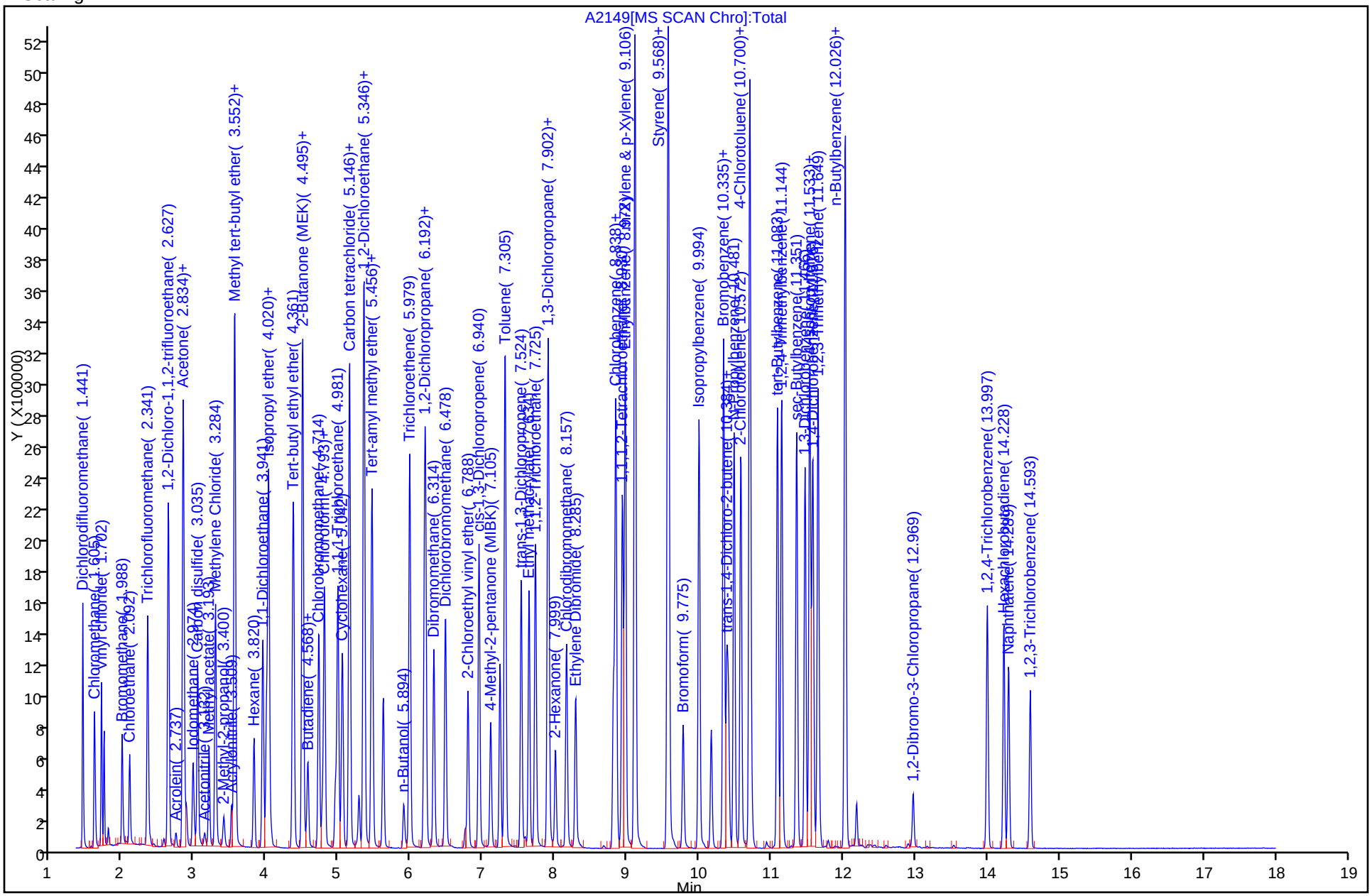
Injection Date: 24-Aug-2011 16:20:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 10

Operator ID: JLH

Y Scaling:



Report Date: 24-Aug-2011 16:52:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

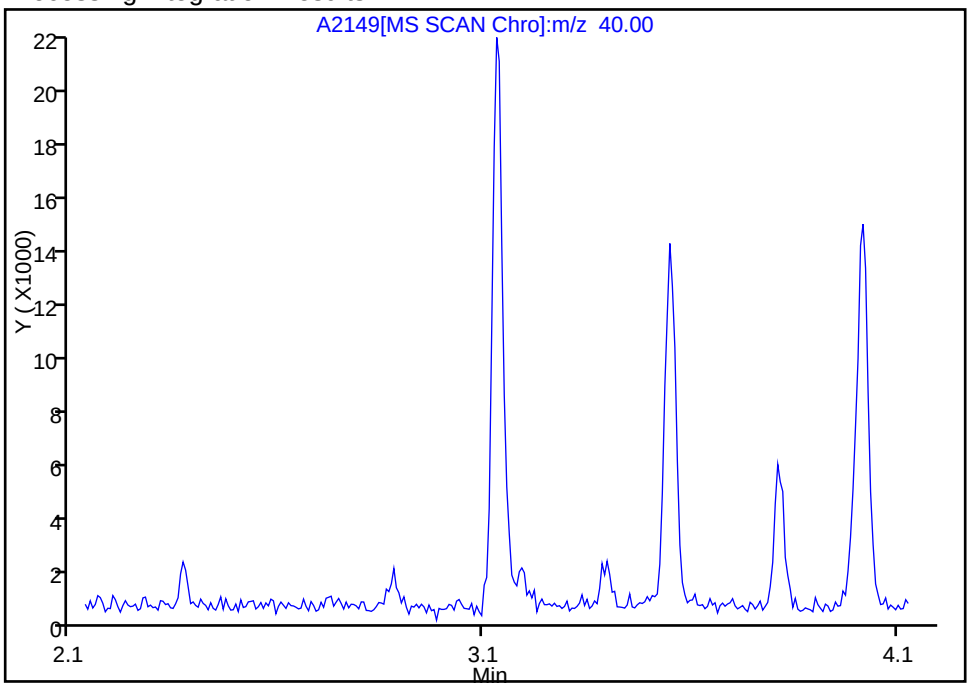
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D		
Injection Date:	24-Aug-2011 16:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	10
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

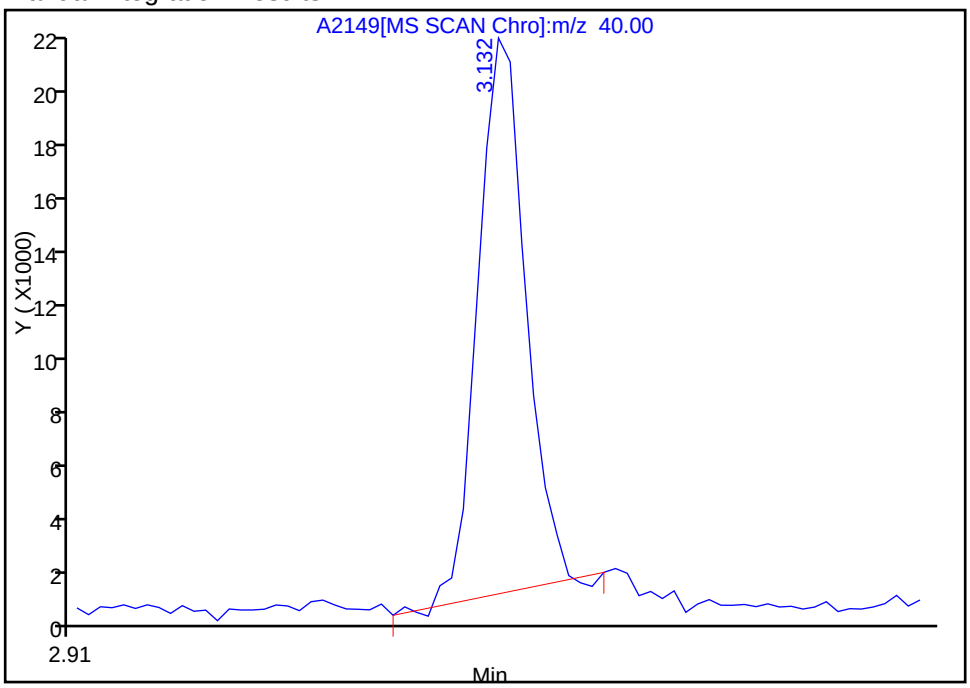
Processing Integration Results

Not Detected
Expected RT: 3.13



Manual Integration Results

RT: 3.13
Response: 34986
Amount: 172.5382



Reviewer: hallj, 24-Aug-2011 16:52:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:52:42 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D

Injection Date: 24-Aug-2011 16:20:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85568 Lims Sample ID: 10

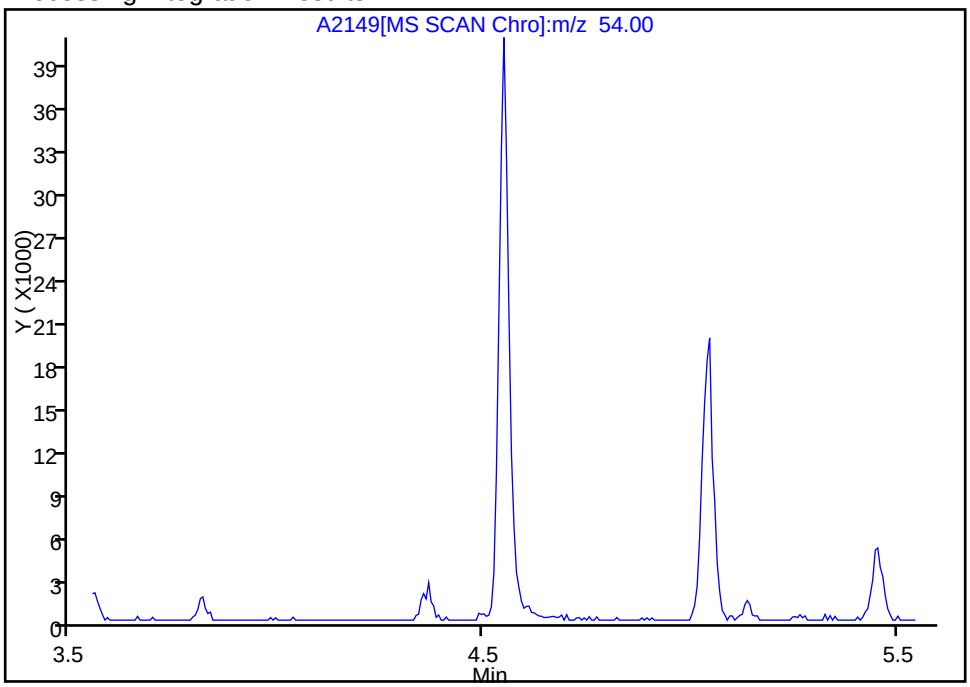
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

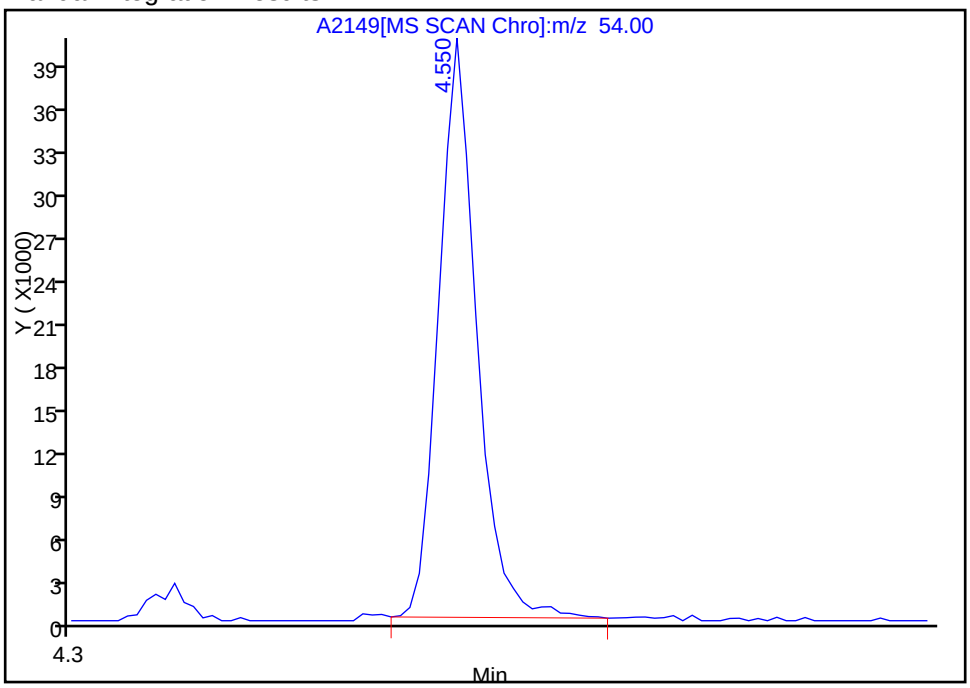


Manual Integration Results

RT: 4.55

Response: 68866

Amount: 185.5158



Reviewer: hallj, 24-Aug-2011 16:52:41

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:52:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

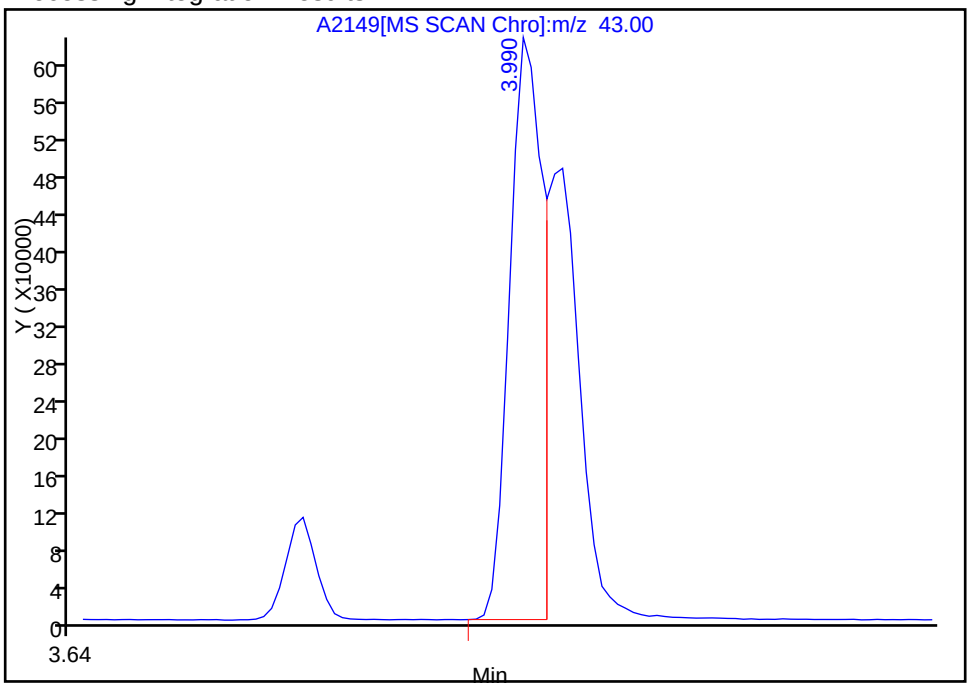
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D		
Injection Date:	24-Aug-2011 16:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	10
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

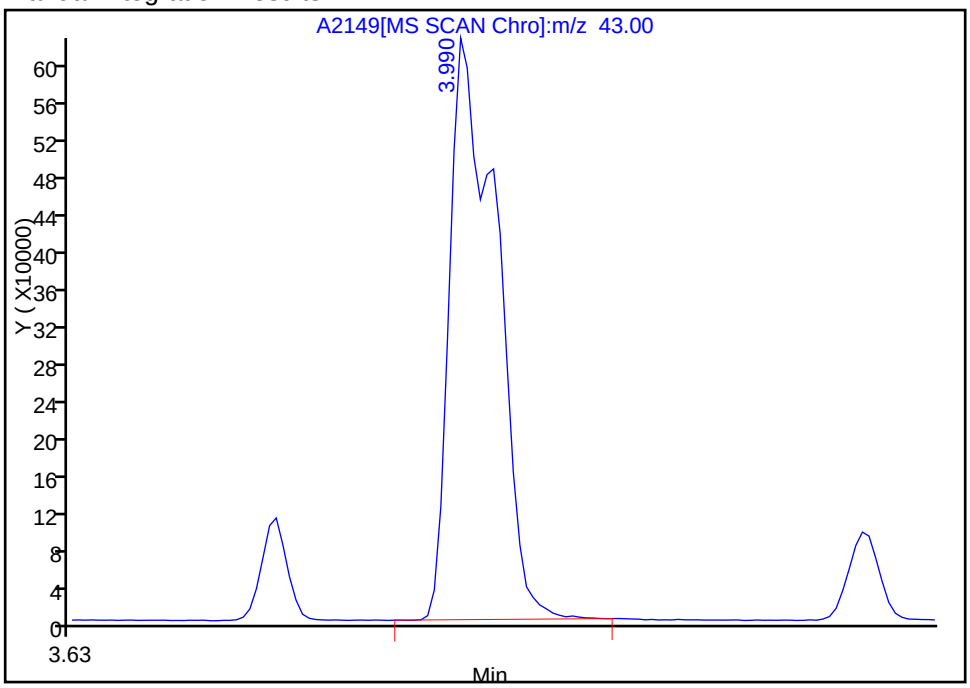
Processing Integration Results

RT: 3.99
Response: 1137362
Amount: 185.2800



Manual Integration Results

RT: 3.99
Response: 1860866
Amount: 388.7875



Reviewer: hallj, 24-Aug-2011 16:52:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 16:52:42 Chrom Revision: 1.2 13-Jul-2011 10:43:06

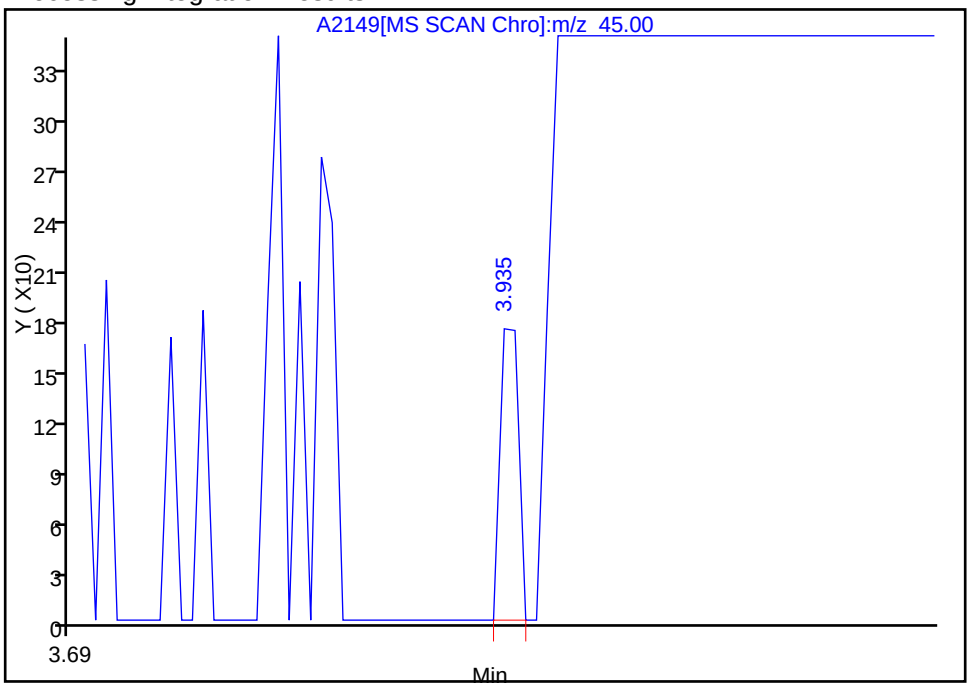
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D		
Injection Date:	24-Aug-2011 16:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	10
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

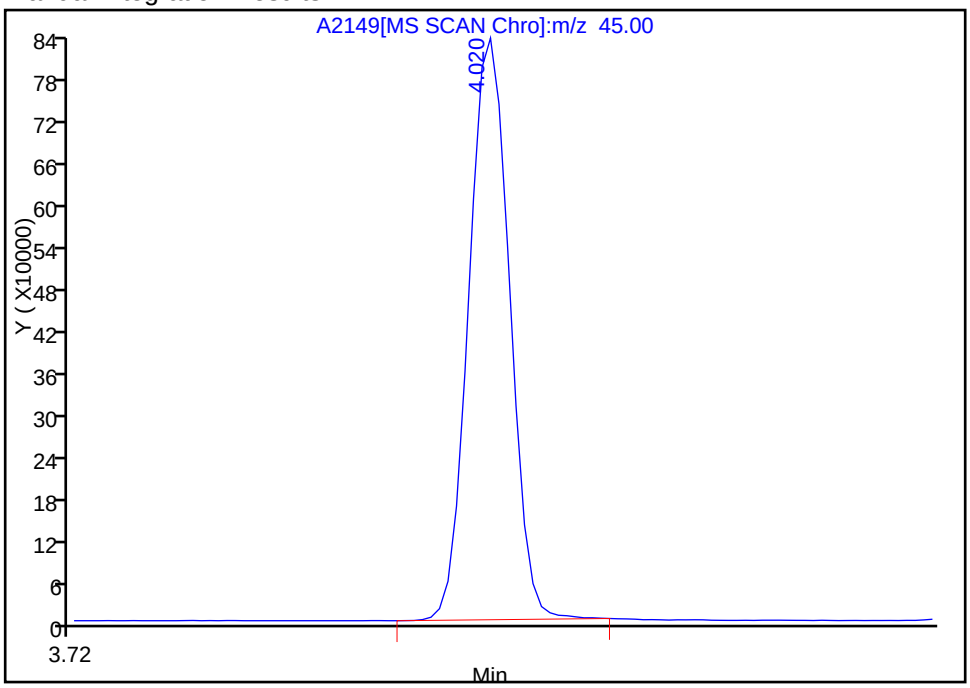
Processing Integration Results

RT: 3.94
Response: 126
Amount: 0.012577



Manual Integration Results

RT: 4.02
Response: 1698164
Amount: 153.2692



Reviewer: hallj, 24-Aug-2011 16:52:41
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: STD050 510-85487/5 Calibration Date: 08/23/2011 05:45

Instrument ID: VMSA Calib Start Date: 08/19/2011 04:10

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/19/2011 07:38

Lab File ID: E2884.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	0.5358	0.5094		47.5	50.0	-4.9	40.0
Chloromethane	Ave	0.3277	0.3097	0.1000	47.3	50.0	-5.5	40.0
Vinyl chloride	Ave	0.4049	0.3775		46.6	50.0	-6.8	20.0
Bromomethane	Qua		0.1123		49.9	50.0	-0.2	40.0
Chloroethane	Ave	0.2892	0.2762		47.8	50.0	-4.5	40.0
Trichlorofluoromethane	Ave	0.6240	0.5891		47.2	50.0	-5.6	40.0
1,2-Dichlorotrifluoroethane	Ave	0.4965	0.4697		47.3	50.0	-5.4	40.0
Acrolein	Ave	0.0206	0.0128		<160	50.2	-37.6	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2564	0.2435		47.5	50.0	-5.1	40.0
1,1-Dichlorethylene	Ave	0.3120	0.2794	0.1000	44.8	50.0	-10.5	20.0
Acetone	Lin		0.0336		46.0	50.0	-8.0	60.0
Iodomethane	Lin2		0.1670		41.5	50.0	-17.0	40.0
Carbon disulfide	Lin		0.9062		48.9	50.0	-2.2	40.0
Methyl acetate	Ave	0.2582	0.2254		43.7	50.0	-12.7	40.0
Methylene Chloride	Ave	0.3163	0.2774		43.8	50.0	-12.3	40.0
t-Butyl alcohol	Lin2		0.0237		158	200	-21.3	60.0
Acrylonitrile	Lin2		0.0595		<50.0	50.0	-15.4	40.0
Methyl tert-butyl ether	Ave	0.7804	0.6048		38.7	50.0	-22.5	40.0
trans-1,2-Dichloroethylene	Ave	0.3474	0.3128		45.0	50.0	-9.9	40.0
n-Hexane	Ave	0.3498	0.3152		45.1	50.0	-9.9	40.0
1,1-Dichloroethane	Ave	0.5892	0.5338		45.3	50.0	-9.4	40.0
Vinyl acetate	Qua		0.4032		74.8	100	-25.2	40.0
Isopropyl ether	Qua		0.7499		<50.0	50.0	-17.0	40.0
Tert-butyl ethyl ether	Ave	0.7632	0.6015		39.4	50.0	-21.2	40.0
cis-1,2-Dichloroethylene	Ave	0.3986	0.3396		42.6	50.0	-14.8	40.0
2,2-Dichloropropane	Ave	0.5210	0.4978		47.8	50.0	-4.4	40.0
Methyl ethyl ketone (MEK)	Lin2		0.0363		39.0	50.0	-22.0	60.0
Ethyl acetate	Ave	0.2647	0.2022		38.2	50.0	-23.6	40.0
Propionitrile	Ave	0.0742	0.0608		40.9	50.0	-18.1	40.0
Chlorobromomethane	Ave	0.1998	0.1601		40.1	50.0	-19.8	40.0
Tetrahydrofuran	Lin		0.1284		39.8	50.0	-20.4	40.0
Chloroform	Lin		0.5694		49.6	50.0	-0.8	20.0
1,1,1-Trichloroethane	Ave	0.5619	0.5302		47.2	50.0	-5.6	40.0
Cyclohexane	Ave	0.5104	0.4569		44.8	50.0	-10.5	40.0
1,1-Dichloropropene	Ave	0.5333	0.4871		45.7	50.0	-8.7	40.0
Carbon tetrachloride	Ave	0.4911	0.4646		47.3	50.0	-5.4	40.0
Benzene	Qua		1.263		43.1	50.0	-13.8	40.0
1,2-Dichloroethane	Ave	0.4090	0.3852		47.1	50.0	-5.8	40.0
Isobutanol	Ave	0.1085	0.0965		<500	50.0	-11.1	40.0
Tert-amyl methyl ether	Ave	0.7758	0.6284		<50.0	50.0	-19.0	40.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: STD050 510-85487/5 Calibration Date: 08/23/2011 05:45

Instrument ID: VMSA Calib Start Date: 08/19/2011 04:10

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/19/2011 07:38

Lab File ID: E2884.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	0.0066	0.0043		355	550	-35.5	40.0
Trichloroethene	Ave	0.3798	0.3218		42.4	50.0	-15.3	40.0
Methylcyclohexane	Ave	0.6423	0.5916		46.1	50.0	-7.9	40.0
1,2-Dichloropropane	Ave	0.3535	0.3006		42.5	50.0	-15.0	20.0
Dibromomethane	Ave	0.1725	0.1447		41.9	50.0	-16.1	40.0
Bromodichloromethane	Ave	0.4367	0.3970		45.4	50.0	-9.1	40.0
2-Chloroethyl vinyl ether	Ave	0.0179	0.0086		48.3	100	-51.7*	40.0
cis-1,3-Dichloropropene	Ave	0.4635	0.4025		43.4	50.0	-13.1	40.0
4-Methyl-2-pentanone (MIBK)	Ave	0.2082	0.1517		36.4	50.0	-27.2	40.0
Toluene	Qua		1.300		43.3	50.0	-13.4	20.0
trans-1,3-Dichloropropene	Ave	0.3961	0.3451		43.6	50.0	-12.9	40.0
Ethyl methacrylate	Ave	0.3851	0.3216		41.7	50.0	-16.5	40.0
1,1,2-Trichloroethane	Ave	0.2250	0.1839		40.9	50.0	-18.2	40.0
Tetrachloroethylene	Ave	0.3044	0.2631		43.2	50.0	-13.6	40.0
1,3-Dichloropropane	Ave	0.4673	0.3981		42.6	50.0	-14.8	40.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1663	0.1307		39.3	50.0	-21.4	60.0
Chlorodibromomethane	Ave	0.2691	0.2237		41.6	50.0	-16.8	40.0
1,2-Dibromoethane	Ave	0.2320	0.1841		39.7	50.0	-20.6	40.0
Chlorobenzene	Qua		1.159	0.3000	50.4	50.0	0.8	40.0
1,1,1,2-Tetrachloroethane	Ave	0.3936	0.4084		51.9	50.0	3.8	40.0
Ethylbenzene	Qua		2.140		52.4	50.0	4.8	20.0
m-Xylene & p-Xylene	Qua		1.583		114	100	13.6	40.0
o-Xylene	Qua		1.734		53.2	50.0	6.4	40.0
Styrene	Ave	1.181	1.309		55.4	50.0	10.9	40.0
Bromoform	Ave	0.1928	0.1799	0.1000	46.7	50.0	-6.7	40.0
Isopropylbenzene	Qua		1.921		52.6	50.0	5.2	40.0
1,1,2,2-Tetrachloroethane	Ave	0.7186	0.6806	0.3000	47.4	50.0	-5.3	40.0
Bromobenzene	Ave	0.8325	0.8316		49.9	50.0	-0.1	40.0
1,2,3-Trichloropropane	Ave	0.8828	0.9118		51.6	50.0	3.3	40.0
trans-1,4-Dichloro-2-butene	Ave	0.1690	0.1704		50.4	50.0	0.8	40.0
n-Propylbenzene	Qua		4.561		55.1	50.0	10.2	40.0
2-Chlorotoluene	Ave	2.450	2.735		55.8	50.0	11.6	40.0
1,3,5-Trimethylbenzene	Qua		3.243		54.1	50.0	8.2	40.0
4-Chlorotoluene	Qua		3.221		54.8	50.0	9.6	40.0
tert-Butylbenzene	Ave	2.504	2.829		56.5	50.0	13.0	40.0
1,2,4-Trimethylbenzene	Qua		3.226		53.5	50.0	7.0	40.0
sec-Butylbenzene	Qua		4.100		53.5	50.0	7.0	40.0
1,3-Dichlorobenzene	Ave	1.565	1.616		51.6	50.0	3.2	40.0
4-Isopropyltoluene	Qua		3.435		53.7	50.0	7.4	40.0
1,4-Dichlorobenzene	Lin		1.614		57.6	50.0	15.2	40.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: STD050 510-85487/5 Calibration Date: 08/23/2011 05:45

Instrument ID: VMSA Calib Start Date: 08/19/2011 04:10

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/19/2011 07:38

Lab File ID: E2884.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	3.070	3.177		51.7	50.0	3.5	40.0
n-Butylbenzene	Qua		3.352		54.7	50.0	9.4	40.0
1,2-Dichlorobenzene	Lin		1.457		57.9	50.0	15.8	40.0
1,2-Dibromo-3-Chloropropane	Ave	0.1233	0.1011		41.0	50.0	-18.0	60.0
1,2,4-Trichlorobenzene	Ave	0.9333	0.9621		51.5	50.0	3.1	60.0
Hexachlorobutadiene	Ave	0.7143	0.7719		54.0	50.0	8.1	60.0
Naphthalene	Ave	1.759	1.739		49.4	50.0	-1.1	60.0
1,2,3-Trichlorobenzene	Ave	0.8785	0.9160		52.1	50.0	4.3	60.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2508	0.2956		58.9	50.0	17.9	40.0
Toluene-d8 (Surr)	Ave	1.013	0.9527		47.0	50.0	-6.0	40.0
4-Bromofluorobenzene (Surr)	Ave	0.995	1.000		50.2	50.0	0.5	40.0

Report Date: 23-Aug-2011 07:16:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D
Lims ID: std050 Client ID:
Inject. Date: 23-Aug-2011 05:45:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: STD050
Misc. Info.: 510-0005425-005 =510-0005425-005
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 85487 Lims Sample ID: 5
Sublist: chrom-8260-SO-VMSA-E*sub24
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 07:16:53 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 23-Aug-2011 07:16:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.919	6.919	0.0	1	1541741	50.0	M
* 2 Chlorobenzene-d5	117	10.655	10.655	0.0	89	1037608	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.921	13.921	0.0	91	583935	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.536	6.536	0.0	0	455711	58.9	
$ 6 Toluene-d8 (Surr)	98	8.793	8.793	0.0	85	1468850	47.0	
$ 7 4-Bromofluorobenzene (Surr)	95	12.261	12.261	0.0	83	583976	50.2	
8 Dichlorodifluoromethane	85	2.107	2.107	0.0	98	785376	47.5	
9 Chloromethane	50	2.314	2.314	0.0	89	477500	47.3	
10 Vinyl chloride	62	2.442	2.442	0.0	94	582069	46.6	
11 Bromomethane	94	2.789	2.789	0.0	92	173076	49.9	M
12 Chloroethane	64	2.916	2.916	0.0	98	425886	47.8	
13 Trichlorofluoromethane	101	3.190	3.190	0.0	80	908207	47.2	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.519	3.519	0.0	91	724153	47.3	
15 Acrolein	56	3.646	3.646	0.0	1	19882	31.3	M
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.762	3.762	0.0	81	375342	47.5	
16 1,1-Dichloroethene	96	3.762	3.762	0.0	98	430711	44.8	
18 Acetone	58	3.811	3.811	0.0	97	51813	46.0	
19 Iodomethane	142	3.932	3.932	0.0	96	257405	41.5	
20 Carbon disulfide	76	4.005	4.005	0.0	100	1397177	48.9	
21 Methyl acetate	43	4.164	4.164	0.0	96	347494	43.7	
22 Methylene Chloride	84	4.279	4.279	0.0	81	427598	43.8	
23 2-Methyl-2-propanol	59	4.395	4.395	0.0	94	145945	157.5	
24 Acrylonitrile	53	4.529	4.529	0.0	98	91752	42.3	
25 trans-1,2-Dichloroethene	96	4.571	4.571	0.0	81	482268	45.0	
26 Methyl tert-butyl ether	73	4.571	4.571	0.0	96	932441	38.7	
27 Hexane	57	4.863	4.863	0.0	94	486017	45.1	
28 1,1-Dichloroethane	63	5.015	5.015	0.0	85	822979	45.3	
29 Vinyl acetate	43	5.076	5.076	0.0	0	1243182	74.8	M
30 Isopropyl ether	45	5.088	5.088	0.0	84	1156145	41.5	
31 Tert-butyl ethyl ether	59	5.478	5.478	0.0	94	927273	39.4	

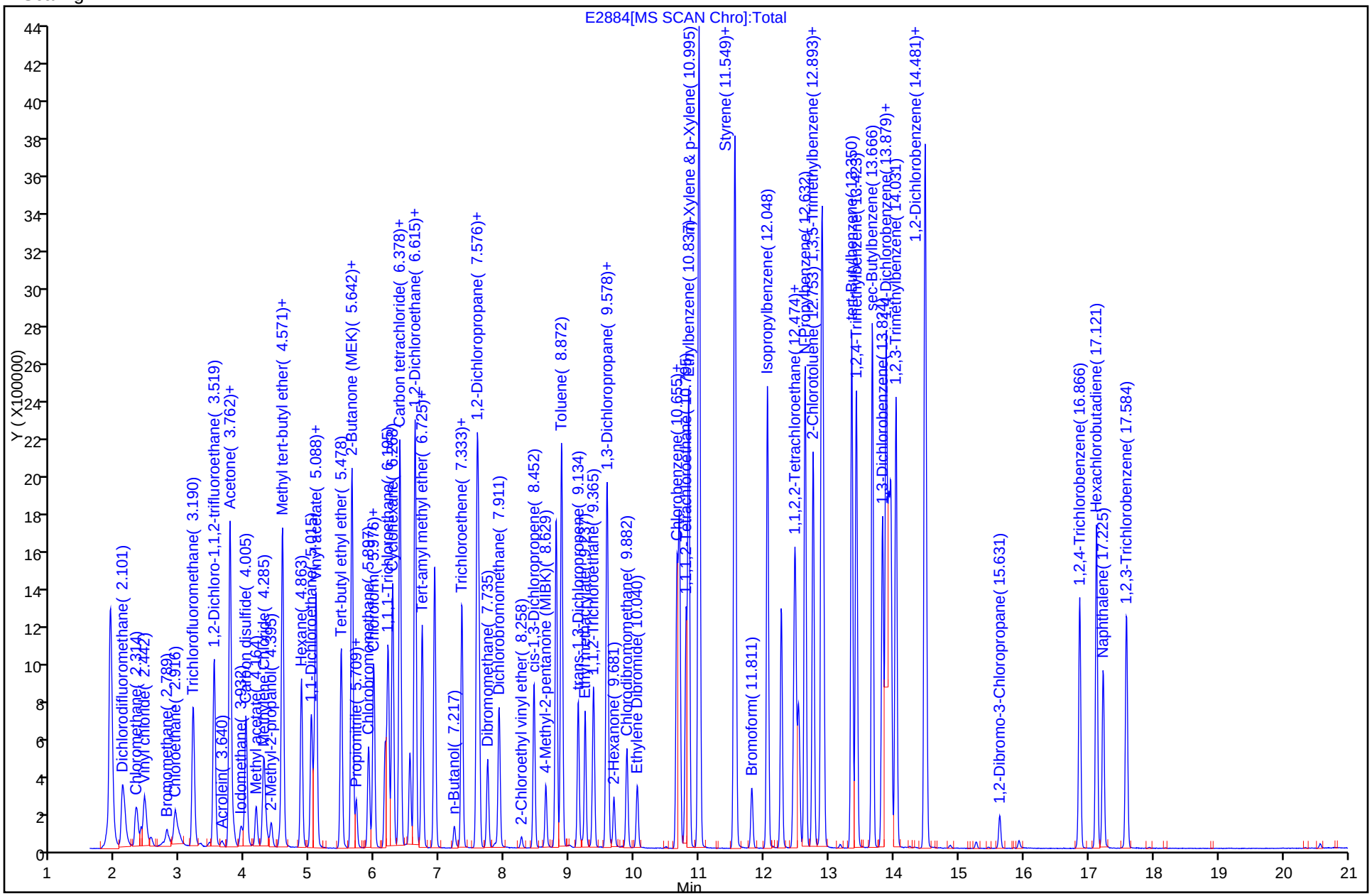
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.636	5.636	0.0	87	523567	42.6	
33 2,2-Dichloropropane	77	5.648	5.648	0.0	80	767529	47.8	
34 2-Butanone (MEK)	72	5.648	5.648	0.0	40	55944	39.0	
105 Ethyl acetate	43	5.709	5.709	0.0	0	311770	38.2	
93 Propionitrile	54	5.709	5.709	0.0	0	35472	40.9	
35 Chlorobromomethane	130	5.897	5.897	0.0	89	246893	40.1	
95 Tetrahydrofuran	42	5.964	5.964	0.0	0	74961	39.8	
36 Chloroform	83	5.976	5.976	0.0	70	877891	49.6	
37 1,1,1-Trichloroethane	97	6.195	6.195	0.0	98	817355	47.2	
38 Cyclohexane	84	6.268	6.268	0.0	88	704410	44.8	
39 1,1-Dichloropropene	75	6.378	6.378	0.0	94	751012	45.7	
40 Carbon tetrachloride	117	6.390	6.390	0.0	81	716280	47.3	
41 Benzene	78	6.615	6.615	0.0	93	1947226	43.1	
42 1,2-Dichloroethane	62	6.621	6.621	0.0	46	593823	47.1	
43 Isobutyl alcohol	41	6.725	6.725	0.0	42	148713	44.4	
44 Tert-amyl methyl ether	73	6.725	6.725	0.0	94	968864	40.5	
102 n-Butanol	56	7.224	7.224	0.0	0	72114	354.8	
45 Trichloroethene	132	7.339	7.339	0.0	90	496193	42.4	
46 Methylcyclohexane	83	7.570	7.570	0.0	92	912122	46.1	
47 1,2-Dichloropropane	63	7.601	7.601	0.0	0	463481	42.5	M
48 Dibromomethane	93	7.735	7.735	0.0	87	223085	41.9	
49 Dichlorobromomethane	83	7.911	7.911	0.0	93	612058	45.4	
50 2-Chloroethyl vinyl ether	63	8.258	8.258	0.0	91	26613	48.3	
54 cis-1,3-Dichloropropene	75	8.452	8.452	0.0	92	620615	43.4	
52 4-Methyl-2-pentanone (MIBK)	43	8.629	8.629	0.0	98	233833	36.4	
53 Toluene	91	8.872	8.872	0.0	79	2003696	43.3	
51 trans-1,3-Dichloropropene	75	9.134	9.134	0.0	94	532042	43.6	
55 Ethyl methacrylate	69	9.237	9.237	0.0	77	495751	41.7	
56 1,1,2-Trichloroethane	83	9.365	9.365	0.0	89	283577	40.9	
57 Tetrachloroethene	164	9.572	9.572	0.0	87	405646	43.2	
58 1,3-Dichloropropane	76	9.584	9.584	0.0	90	613719	42.6	
59 2-Hexanone	43	9.681	9.681	0.0	96	201483	39.3	
60 Chlorodibromomethane	129	9.882	9.882	0.0	89	344946	41.6	
61 Ethylene Dibromide	107	10.040	10.040	0.0	98	283860	39.7	
62 Chlorobenzene	112	10.691	10.691	0.0	92	1202683	50.4	
63 1,1,1,2-Tetrachloroethane	131	10.795	10.795	0.0	92	423781	51.9	
64 Ethylbenzene	91	10.837	10.837	0.0	96	2220166	52.4	
65 m-Xylene & p-Xylene	91	10.995	10.995	0.0	0	3284385	113.6	
66 o-Xylene	91	11.537	11.537	0.0	90	1799396	53.2	
67 Styrene	104	11.555	11.555	0.0	85	1358652	55.4	
68 Bromoform	173	11.811	11.811	0.0	95	186703	46.7	
69 Isopropylbenzene	105	12.048	12.048	0.0	94	1993142	52.6	
71 1,1,2,2-Tetrachloroethane	83	12.455	12.455	0.0	89	397434	47.4	
70 Bromobenzene	156	12.480	12.480	0.0	89	485602	49.9	
72 1,2,3-Trichloropropane	75	12.522	12.522	0.0	87	532422	51.6	
73 trans-1,4-Dichloro-2-butene	53	12.541	12.541	0.0	44	99522	50.4	
74 N-Propylbenzene	91	12.632	12.632	0.0	94	2663327	55.1	
75 2-Chlorotoluene	91	12.753	12.753	0.0	95	1597164	55.8	
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	29	1893976	54.1	M
77 4-Chlorotoluene	91	12.906	12.906	0.0	89	1880824	54.8	
78 tert-Butylbenzene	119	13.350	13.350	0.0	89	1651890	56.5	
80 1,2,4-Trimethylbenzene	105	13.423	13.423	0.0	52	1883951	53.5	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	81 sec-Butylbenzene	105	13.666	13.666	0.0	96	2393851	53.5	
	82 1,3-Dichlorobenzene	146	13.824	13.824	0.0	93	943385	51.6	
	79 4-Isopropyltoluene	119	13.879	13.879	0.0	85	2005980	53.7	
	83 1,4-Dichlorobenzene	146	13.952	13.952	0.0	75	942708	57.6	
	99 1,2,3-Trimethylbenzene	105	14.031	14.031	0.0	0	1855274	51.7	
	84 n-Butylbenzene	91	14.475	14.475	0.0	93	1957569	54.7	
	85 1,2-Dichlorobenzene	146	14.493	14.493	0.0	85	850555	57.9	
	86 1,2-Dibromo-3-Chloropropane	157	15.637	15.637	0.0	59	59040	41.0	
	87 1,2,4-Trichlorobenzene	180	16.866	16.866	0.0	90	561823	51.5	
	88 Hexachlorobutadiene	225	17.127	17.127	0.0	95	450716	54.0	
	89 Naphthalene	128	17.231	17.231	0.0	97	1015675	49.4	
	90 1,2,3-Trichlorobenzene	180	17.590	17.590	0.0	92	534861	52.1	
S	91 Xylenes, Total	100				0		166.8	
S	92 Total 1,2-dichloroethene	100				0		87.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 07:16:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D
Injection Date: 23-Aug-2011 05:45:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 85487 Lims Sample ID: 5
Operator ID: WH
Y Scaling:



Report Date: 23-Aug-2011 07:16:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

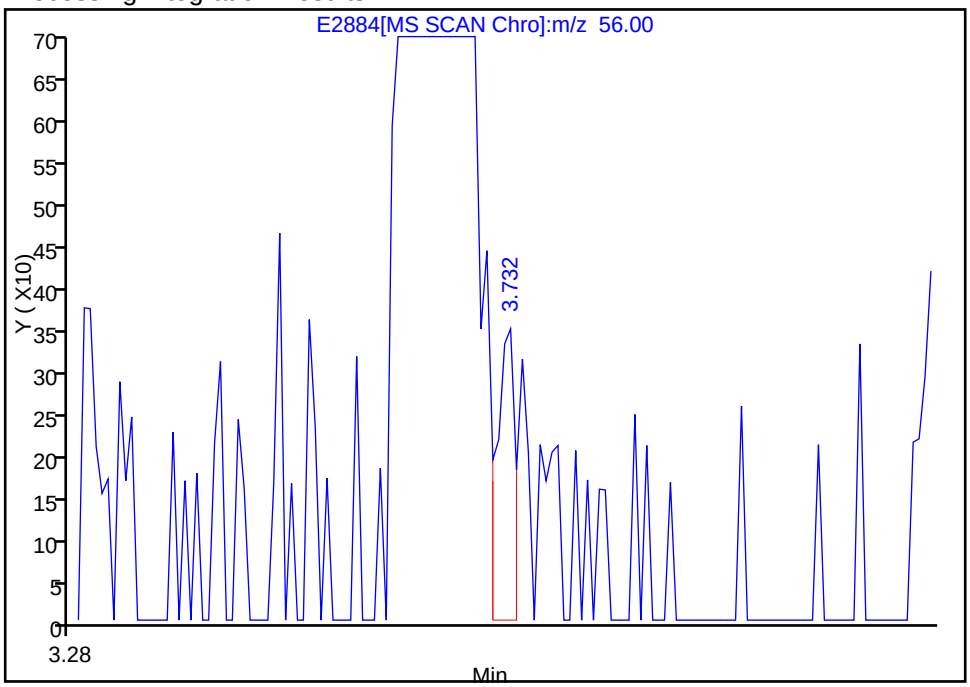
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D		
Injection Date:	23-Aug-2011 05:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	5
Operator ID:	WH		

15 Acrolein, Signal: 1, m/z: 56.0 Type: quant, RT: 3.65

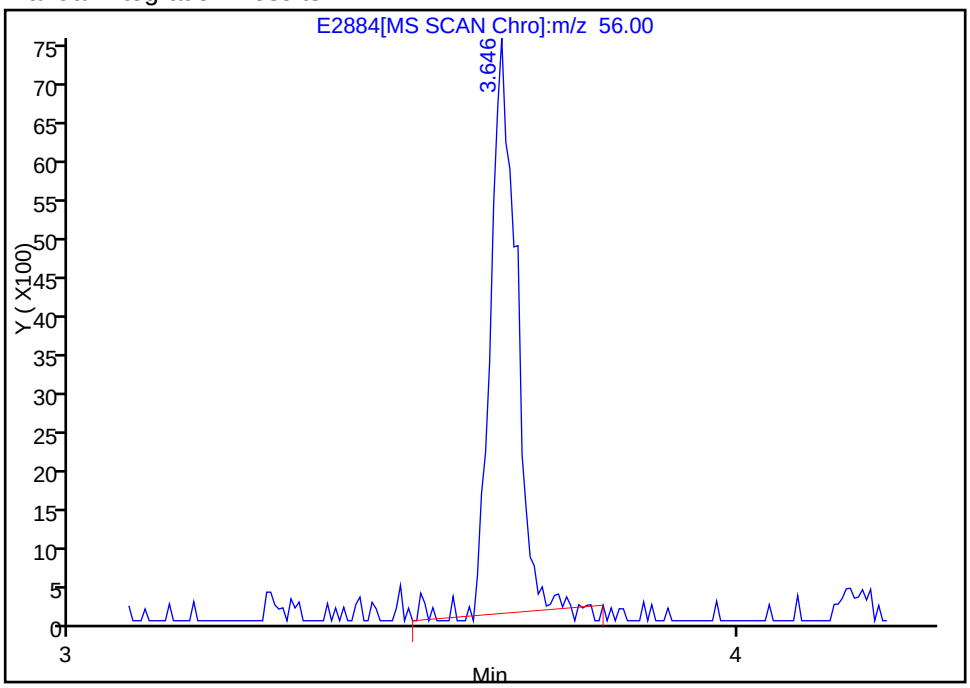
Processing Integration Results

RT: 3.73
Response: 460
Amount: 0.725313



Manual Integration Results

RT: 3.65
Response: 19882
Amount: 31.349269



Reviewer: hobartw, 23-Aug-2011 07:16:53
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 23-Aug-2011 07:16:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

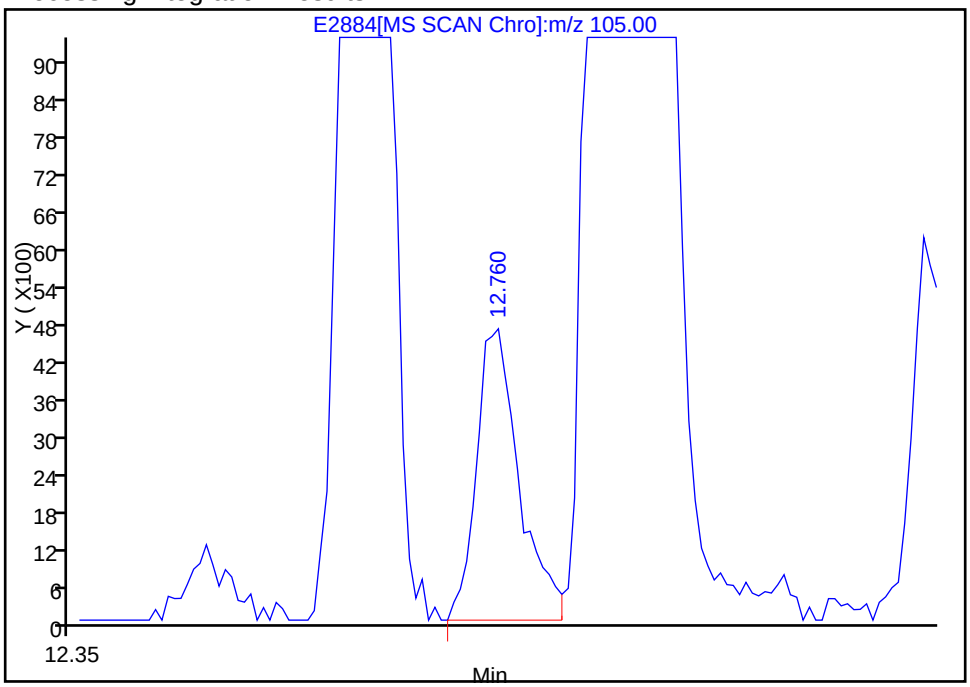
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D		
Injection Date:	23-Aug-2011 05:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	5
Operator ID:	WH		

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

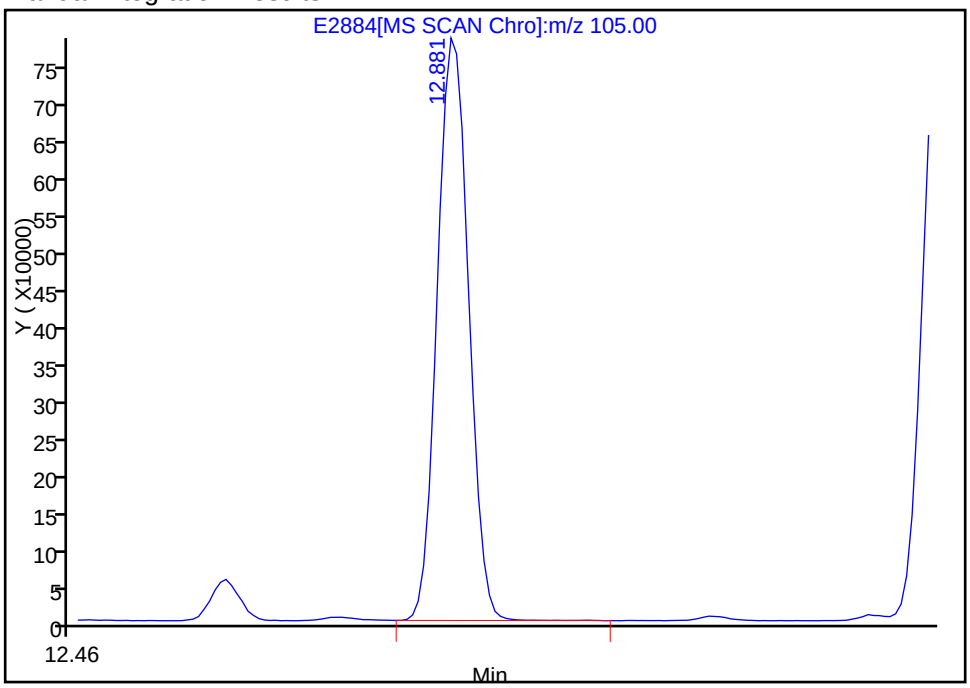
Processing Integration Results

RT: 12.76
Response: 13349
Amount: 0.667673



Manual Integration Results

RT: 12.88
Response: 1893976
Amount: 54.135483



Reviewer: hobartw, 23-Aug-2011 07:16:53
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 23-Aug-2011 07:16:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

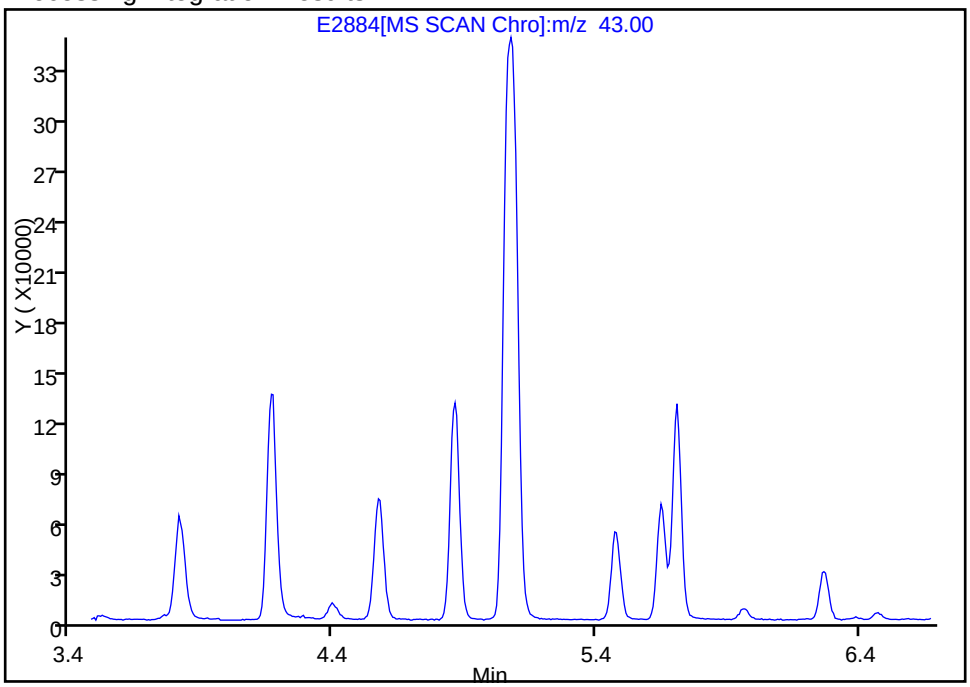
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D		
Injection Date:	23-Aug-2011 05:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	5
Operator ID:	WH		

29 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 5.08

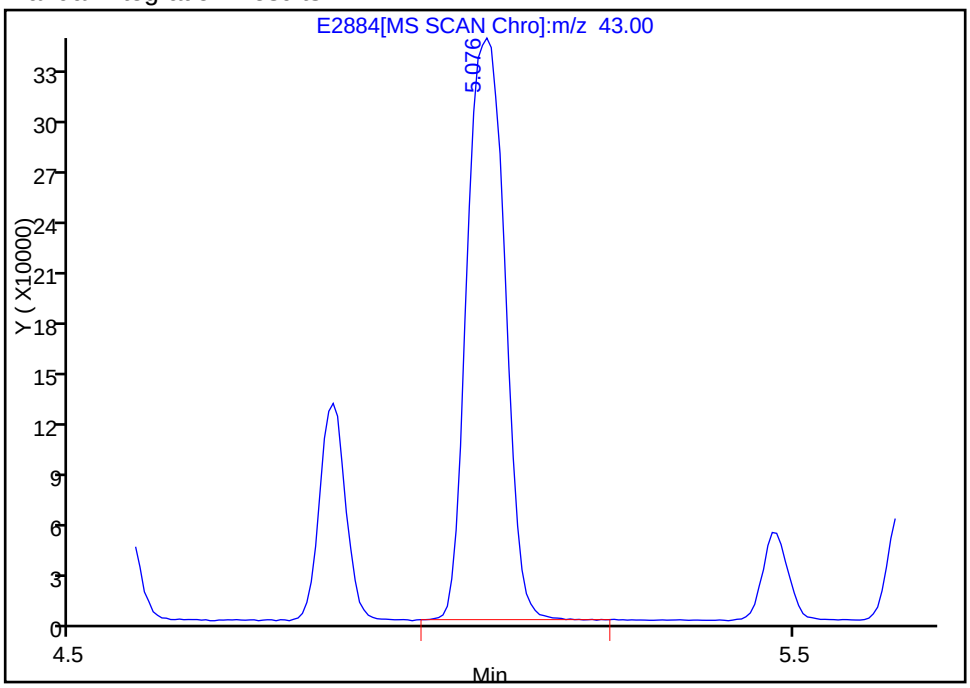
Processing Integration Results

Not Detected
Expected RT: 5.08



Manual Integration Results

RT: 5.08
Response: 1243182
Amount: 74.753370



Reviewer: hobartw, 23-Aug-2011 07:16:53
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 23-Aug-2011 07:16:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

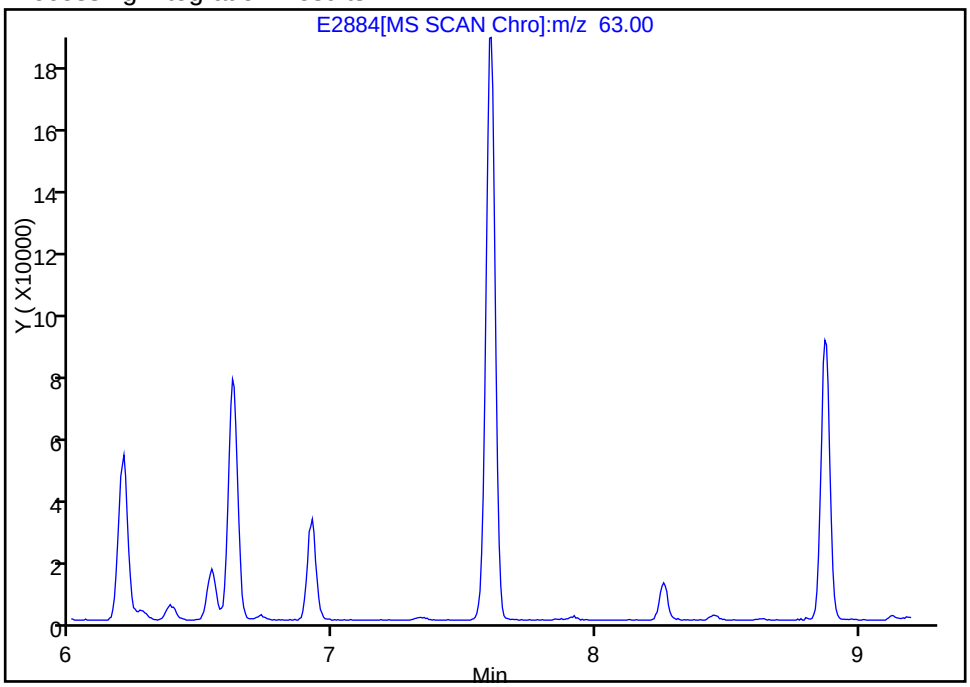
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D		
Injection Date:	23-Aug-2011 05:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	5
Operator ID:	WH		

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

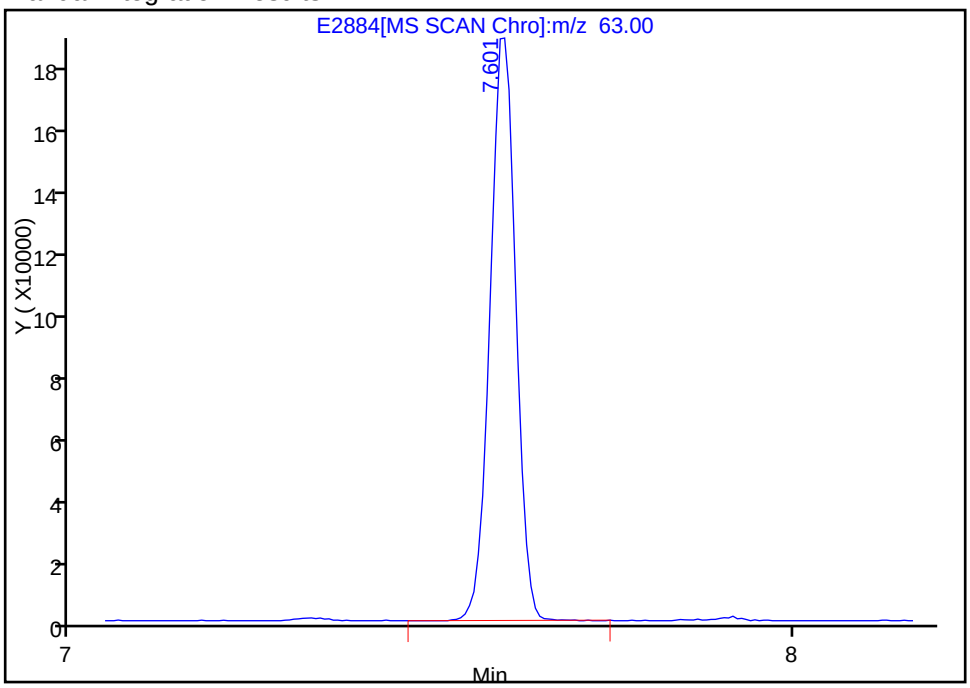
Processing Integration Results

Not Detected
Expected RT: 7.60



Manual Integration Results

RT: 7.60
Response: 463481
Amount: 42.524598



Reviewer: hobartw, 23-Aug-2011 07:16:53
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 23-Aug-2011 07:16:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

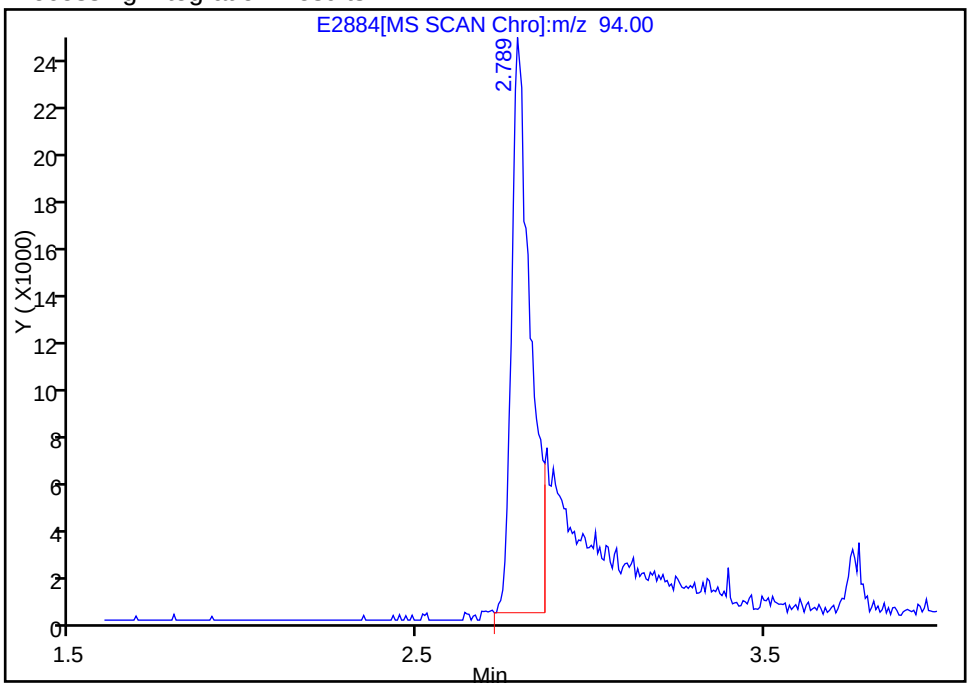
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2884.D		
Injection Date:	23-Aug-2011 05:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	5
Operator ID:	WH		

11 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.79

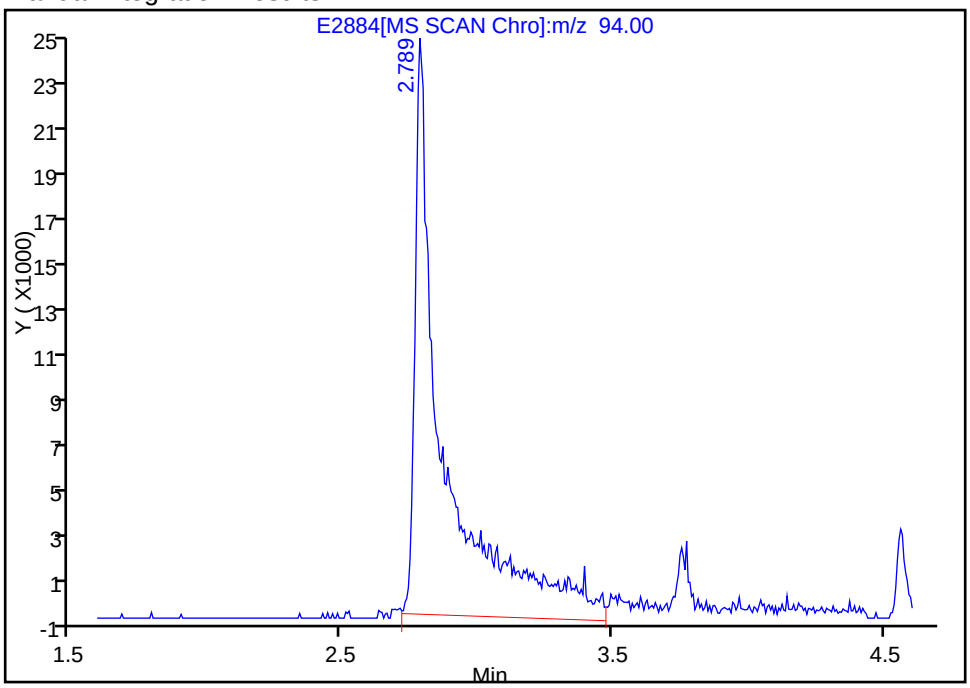
Processing Integration Results

RT: 2.79
Response: 90159
Amount: 25.013456



Manual Integration Results

RT: 2.79
Response: 173076
Amount: 49.929052



Reviewer: hobartw, 23-Aug-2011 07:16:53
Audit Action: Manually Integrated
Audit Reason: Peak Tail

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCVIS 510-85489/2 Calibration Date: 08/23/2011 08:38

Instrument ID: VMSB Calib Start Date: 08/17/2011 10:41

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/17/2011 17:07

Lab File ID: A2101.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	0.3286	0.3632		55.3	50.0	10.5	40.0
Chloromethane	Ave	0.2600	0.2641	0.1000	50.8	50.0	1.6	40.0
Vinyl chloride	Ave	0.2489	0.2679		53.8	50.0	7.6	20.0
Bromomethane	Lin		0.0949		40.6	50.0	-18.8	40.0
Chloroethane	Lin2		0.1995		52.9	50.0	5.8	40.0
Trichlorofluoromethane	Ave	0.3937	0.4421		56.1	50.0	12.3	40.0
1,2-Dichlorotrifluoroethane	Ave	0.3364	0.3601		53.5	50.0	7.1	40.0
Acrolein	Lin		0.0233		<160	50.2	-11.4	40.0
1,1-Dichlorethylene	Ave	0.3654	0.3253	0.1000	44.5	50.0	-11.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1660	0.1944		58.6	50.0	17.1	40.0
Acetone	Qua		0.0494		37.5	50.0	-25.0	60.0
Iodomethane	Lin		0.2043		50.8	50.0	1.6	40.0
Carbon disulfide	Lin2		0.6425		42.1	50.0	-15.8	40.0
Acetonitrile	Ave	0.0102	0.0124		61.0	50.0	22.1	60.0
Methyl acetate	Ave	0.1961	0.1857		47.3	50.0	-5.3	40.0
Methylene Chloride	Lin2		0.2893		52.3	50.0	4.6	40.0
t-Butyl alcohol	Ave	0.0148	0.0125		168	200	-15.8	60.0
Acrylonitrile	Lin2		0.0604		<50.0	50.0	-8.0	40.0
Methyl tert-butyl ether	Ave	0.6841	0.6361		46.5	50.0	-7.0	40.0
trans-1,2-Dichloroethylene	Ave	0.3757	0.3613		48.1	50.0	-3.8	40.0
n-Hexane	Ave	0.1295	0.1135		43.8	50.0	-12.3	40.0
1,1-Dichloroethane	Ave	0.4626	0.4512		48.8	50.0	-2.5	40.0
Vinyl acetate	Ave	0.5046	0.4499		89.2	100	-10.8	40.0
Isopropyl ether	Lin		0.7612		56.3	50.0	12.6	40.0
Tert-butyl ethyl ether	Ave	0.7301	0.6889		47.2	50.0	-5.6	40.0
cis-1,2-Dichloroethylene	Ave	0.4054	0.4029		49.7	50.0	-0.6	40.0
2,2-Dichloropropane	Lin		0.3549		52.3	50.0	4.6	40.0
Methyl ethyl ketone (MEK)	Lin		0.0658		37.7	50.0	-24.6	60.0
1,3-Butadiene	Lin		0.0198		49.5	50.0	-1.0	60.0
Propionitrile	Lin		0.0664		51.0	50.0	2.0	40.0
Ethyl acetate	Lin2		0.1579		46.0	50.0	-8.0	40.0
Chlorobromomethane	Ave	0.1995	0.2162		54.2	50.0	8.4	40.0
Tetrahydrofuran	Lin		0.1602		51.0	50.0	2.0	40.0
Chloroform	Lin2		0.5235		56.6	50.0	13.2	20.0
1,1,1-Trichloroethane	Ave	0.4220	0.4126		48.9	50.0	-2.2	40.0
Cyclohexane	Lin2		0.2051		50.5	50.0	1.0	40.0
1,1-Dichloropropene	Ave	0.3461	0.3383		48.9	50.0	-2.3	40.0
Carbon tetrachloride	Ave	0.3308	0.3223		48.7	50.0	-2.6	40.0
Benzene	Lin		1.087		59.9	50.0	19.8	40.0
1,2-Dichloroethane	Ave	0.3124	0.3070		49.1	50.0	-1.7	40.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCVIS 510-85489/2 Calibration Date: 08/23/2011 08:38

Instrument ID: VMSB Calib Start Date: 08/17/2011 10:41

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/17/2011 17:07

Lab File ID: A2101.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
Isobutanol	Lin2		0.0772		<500	50.0	2.6	40.0
Tert-amyl methyl ether	Lin2		0.6778		<50.0	50.0	-1.4	40.0
Trichloroethene	Ave	0.3185	0.3269		51.3	50.0	2.6	40.0
Methylcyclohexane	Ave	0.2424	0.2391		49.3	50.0	-1.4	40.0
1,2-Dichloropropane	Ave	0.2669	0.2641		49.5	50.0	-1.1	20.0
Dibromomethane	Ave	0.1573	0.1554		49.4	50.0	-1.2	40.0
Bromodichloromethane	Ave	0.3683	0.3501		47.5	50.0	-4.9	40.0
2-Chloroethyl vinyl ether	Lin		0.0355		78.8	100	-21.2	40.0
cis-1,3-Dichloropropene	Ave	0.4287	0.4128		48.1	50.0	-3.7	40.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1732	0.1469		42.4	50.0	-15.2	40.0
Toluene	Lin		1.086		58.4	50.0	16.8	20.0
trans-1,3-Dichloropropene	Ave	0.3600	0.3257		45.2	50.0	-9.5	40.0
Ethyl methacrylate	Ave	0.3140	0.2761		44.0	50.0	-12.1	40.0
1,1,2-Trichloroethane	Ave	0.1969	0.1901		48.3	50.0	-3.4	40.0
Tetrachloroethylene	Ave	0.2389	0.2422		50.7	50.0	1.4	40.0
1,3-Dichloropropane	Ave	0.3851	0.3736		48.5	50.0	-3.0	40.0
Methyl Butyl Ketone (2-Hexanone)	Ave	0.1259	0.0965		38.3	50.0	-23.4	60.0
Chlorodibromomethane	Ave	0.2801	0.2489		44.4	50.0	-11.1	40.0
1,2-Dibromoethane	Ave	0.2478	0.2354		47.5	50.0	-5.0	40.0
Chlorobenzene	Ave	1.760	1.772	0.3000	50.3	50.0	0.7	40.0
1,1,1,2-Tetrachloroethane	Ave	0.6743	0.6422		47.6	50.0	-4.8	40.0
Ethylbenzene	Lin		2.428		57.7	50.0	15.4	20.0
m-Xylene & p-Xylene	Qua		1.785		102	100	1.6	40.0
o-Xylene	Lin		2.070		56.3	50.0	12.6	40.0
Styrene	Ave	1.766	1.738		49.2	50.0	-1.6	40.0
Bromoform	Ave	0.3441	0.2699	0.1000	39.2	50.0	-21.6	40.0
Isopropylbenzene	Ave	2.632	2.645		50.2	50.0	0.5	40.0
1,1,2,2-Tetrachloroethane	Ave	0.7629	0.7045	0.3000	46.2	50.0	-7.7	40.0
Bromobenzene	Ave	1.341	1.303		48.6	50.0	-2.8	40.0
1,2,3-Trichloropropane	Ave	0.8658	0.7748		44.7	50.0	-10.5	40.0
trans-1,4-Dichloro-2-butene	Ave	0.1778	0.1479		41.6	50.0	-16.8	40.0
n-Propylbenzene	Ave	3.076	3.073		50.0	50.0	-0.0	40.0
2-Chlorotoluene	Ave	2.045	2.016		49.3	50.0	-1.4	40.0
1,3,5-Trimethylbenzene	Ave	2.246	2.199		49.0	50.0	-2.1	40.0
4-Chlorotoluene	Lin2		2.273		53.2	50.0	6.4	40.0
tert-Butylbenzene	Ave	2.037	1.931		47.4	50.0	-5.2	40.0
1,2,4-Trimethylbenzene	Ave	2.356	2.252		47.8	50.0	-4.4	40.0
sec-Butylbenzene	Ave	2.640	2.489		47.1	50.0	-5.7	40.0
1,3-Dichlorobenzene	Ave	1.459	1.457		49.9	50.0	-0.2	40.0
4-Isopropyltoluene	Ave	2.265	2.138		47.2	50.0	-5.6	40.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCVIS 510-85489/2 Calibration Date: 08/23/2011 08:38

Instrument ID: VMSB Calib Start Date: 08/17/2011 10:41

GC Column: 624/8260 ID: 0.20(mm) Calib End Date: 08/17/2011 17:07

Lab File ID: A2101.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
1,4-Dichlorobenzene	Ave	1.416	1.451		51.2	50.0	2.5	40.0
1,2,3-Trimethylbenzene	Ave	2.450	2.314		47.2	50.0	-5.6	40.0
1,2-Dichlorobenzene	Ave	1.338	1.343		50.2	50.0	0.4	40.0
n-Butylbenzene	Ave	1.929	1.808		46.9	50.0	-6.2	40.0
1,2-Dibromo-3-Chloropropane	Ave	0.1139	0.0799		35.0	50.0	-29.9	60.0
1,2,4-Trichlorobenzene	Ave	0.6170	0.4965		40.2	50.0	-19.5	60.0
Hexachlorobutadiene	Ave	0.3217	0.2883		44.8	50.0	-10.4	60.0
Naphthalene	Lin2		0.8479		36.8	50.0	-26.4	60.0
1,2,3-Trichlorobenzene	Ave	0.3900	0.2717		34.8	50.0	-30.3	60.0
n-Butanol	Lin2				<100	50.0	-100.0*	40.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2442	0.2384		48.8	50.0	-2.4	40.0
Toluene-d8 (Surr)	Ave	0.9562	0.9558		50.0	50.0	-0.0	40.0
4-Bromofluorobenzene (Surr)	Ave	1.144	1.119		48.9	50.0	-2.3	40.0

Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D
Lims ID: CCVIS Client ID:
Inject. Date: 23-Aug-2011 08:38:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS
Misc. Info.: 510-0005426-002 =510-0005426-002
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 85489 Lims Sample ID: 2
Sublist: chrom-VMSB-8260*sub27
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110823-5426.b\VMSB-8260.m
Last Update: 23-Aug-2011 09:35:04 Calib Date: 17-Aug-2011 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 23-Aug-2011 09:35:04

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.613	5.613	0.0	99	793795	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.807	0.0	81	322173	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.545	0.0	93	243519	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.273	0.0	0	189221	48.8	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	758728	50.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.164	0.0	91	272391	48.9	
12 Dichlorodifluoromethane	85	1.446	1.446	0.0	87	288334	55.3	
13 Chloromethane	50	1.610	1.610	0.0	88	209612	50.8	
14 Vinyl chloride	62	1.708	1.708	0.0	83	212657	53.8	
15 Bromomethane	94	2.012	2.012	0.0	88	75302	40.6	
16 Chloroethane	64	2.109	2.109	0.0	95	158371	52.9	
17 Trichlorofluoromethane	101	2.353	2.353	0.0	79	350927	56.1	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.632	2.632	0.0	79	285868	53.5	
19 Acrolein	56	2.736	2.736	0.0	91	18551	44.5	
20 1,1-Dichloroethene	61	2.839	2.839	0.0	84	258243	44.5	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.845	2.845	0.0	86	154302	58.6	
22 Acetone	43	2.876	2.876	0.0	90	39175	37.5	
23 Iodomethane	142	2.979	2.979	0.0	99	162149	50.8	
24 Carbon disulfide	76	3.046	3.046	0.0	98	509987	42.1	
104 Acetonitrile	40	3.131	3.131	0.0	0	9855	61.0	M
25 Methyl acetate	43	3.192	3.192	0.0	94	147376	47.3	
26 Methylene Chloride	84	3.289	3.289	0.0	76	229663	52.3	
27 2-Methyl-2-propanol	59	3.381	3.381	0.0	98	39518	168.4	
28 Acrylonitrile	53	3.508	3.508	0.0	97	47940	46.0	
29 trans-1,2-Dichloroethene	61	3.551	3.551	0.0	79	286829	48.1	
30 Methyl tert-butyl ether	73	3.551	3.551	0.0	87	504921	46.5	
31 Hexane	57	3.825	3.825	0.0	93	90102	43.8	
32 1,1-Dichloroethane	63	3.940	3.940	0.0	84	358117	48.8	
33 Vinyl acetate	43	3.989	3.989	0.0	99	714253	89.2	
34 Isopropyl ether	45	4.019	4.019	0.0	0	604263	56.3	M

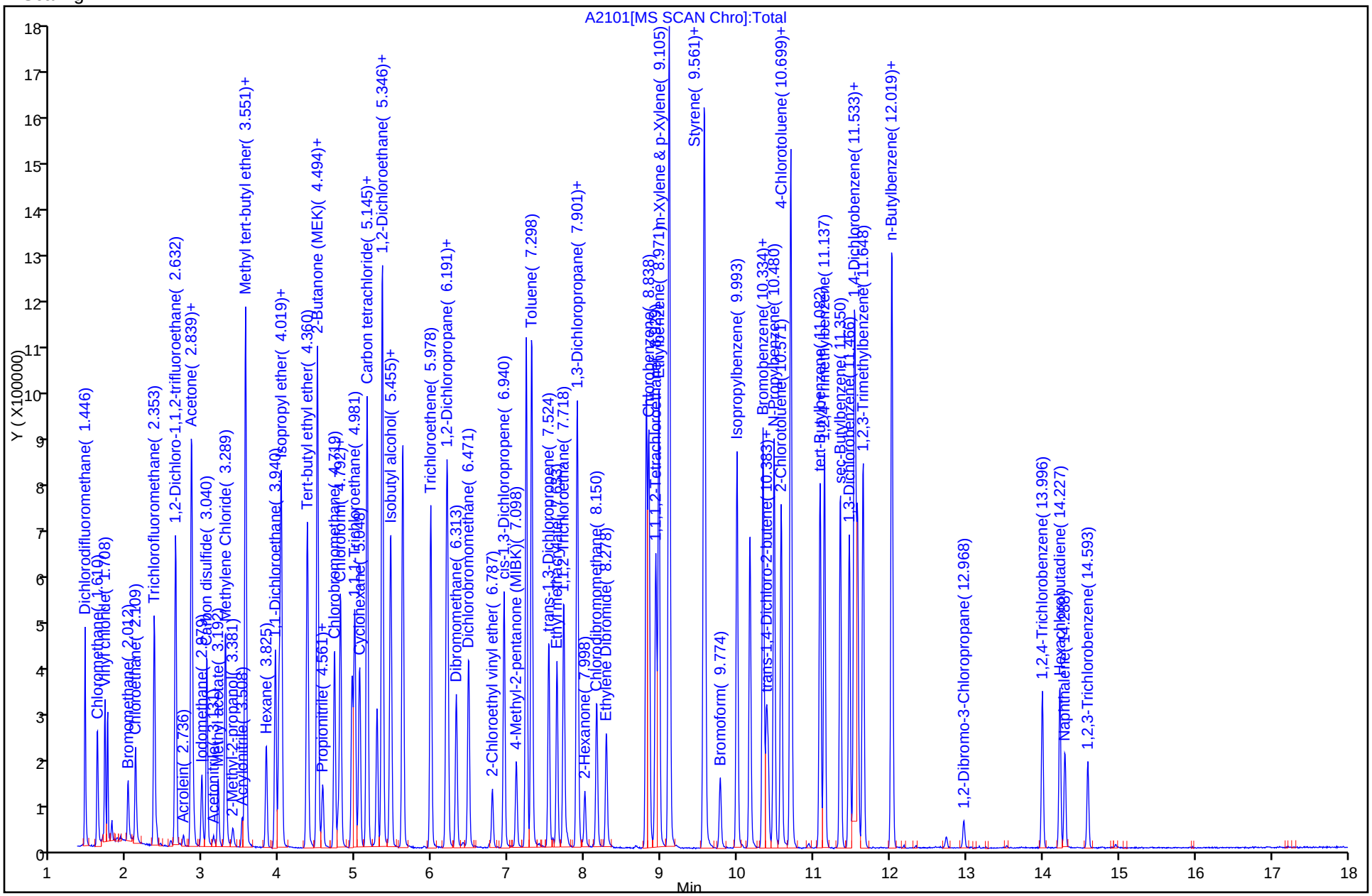
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.360	4.360	0.0	95	546823	47.2	
36 cis-1,2-Dichloroethene	61	4.488	4.488	0.0	84	319800	49.7	
38 2-Butanone (MEK)	43	4.494	4.494	0.0	36	52200	37.7	
37 2,2-Dichloropropane	77	4.494	4.494	0.0	69	281709	52.3	
103 Butadiene	54	4.549	4.549	0.0	0	15718	49.5	M
39 Propionitrile	54	4.549	4.549	0.0	0	16168	51.0	M
101 Ethyl acetate	43	4.561	4.561	0.0	0	125359	46.0	
40 Chlorobromomethane	130	4.719	4.719	0.0	78	171577	54.2	
41 Tetrahydrofuran	42	4.768	4.768	0.0	81	39008	51.0	
42 Chloroform	83	4.792	4.792	0.0	78	415586	56.6	
43 1,1,1-Trichloroethane	97	4.981	4.981	0.0	90	327524	48.9	
44 Cyclohexane	56	5.048	5.048	0.0	84	162812	50.5	
46 1,1-Dichloropropene	75	5.145	5.145	0.0	94	268506	48.9	
45 Carbon tetrachloride	117	5.145	5.145	0.0	75	255847	48.7	
47 Benzene	78	5.340	5.340	0.0	92	863248	59.9	
48 1,2-Dichloroethane	62	5.346	5.346	0.0	43	243720	49.1	
49 Tert-amyl methyl ether	73	5.455	5.455	0.0	99	538047	49.3	
50 Isobutyl alcohol	41	5.455	5.455	0.0	40	61247	51.3	
51 Trichloroethene	132	5.978	5.978	0.0	86	259492	51.3	
52 Methylcyclohexane	83	6.185	6.185	0.0	90	189803	49.3	
53 1,2-Dichloropropane	63	6.197	6.197	0.0	89	209599	49.5	
54 Dibromomethane	93	6.313	6.313	0.0	92	123334	49.4	
55 Dichlorobromomethane	83	6.471	6.471	0.0	93	277942	47.5	
56 2-Chloroethyl vinyl ether	63	6.787	6.787	0.0	89	56313	78.8	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	92	327666	48.1	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.098	0.0	94	116634	42.4	
59 Toluene	91	7.305	7.305	0.0	90	862442	58.4	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	86	258571	45.2	
61 Ethyl methacrylate	69	7.633	7.633	0.0	96	219160	44.0	
62 1,1,2-Trichloroethane	83	7.718	7.718	0.0	89	150935	48.3	
63 Tetrachloroethene	166	7.895	7.895	0.0	86	192260	50.7	
64 1,3-Dichloropropane	76	7.907	7.907	0.0	88	296525	48.5	
65 2-Hexanone	43	7.998	7.998	0.0	94	76559	38.3	
66 Chlorodibromomethane	129	8.156	8.156	0.0	86	197601	44.4	
67 Ethylene Dibromide	107	8.278	8.278	0.0	99	186860	47.5	
68 Chlorobenzene	112	8.838	8.838	0.0	91	570902	50.3	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.929	0.0	90	206889	47.6	
70 Ethylbenzene	91	8.971	8.971	0.0	96	782363	57.7	
71 m-Xylene & p-Xylene	91	9.105	9.105	0.0	0	1149842	101.6	
72 o-Xylene	91	9.555	9.555	0.0	91	666846	56.3	
73 Styrene	104	9.574	9.574	0.0	93	560064	49.2	
74 Bromoform	173	9.774	9.774	0.0	97	86944	39.2	
75 Isopropylbenzene	105	9.993	9.993	0.0	96	644109	50.2	
76 1,1,2,2-Tetrachloroethane	83	10.334	10.334	0.0	66	171561	46.2	
77 Bromobenzene	77	10.334	10.334	0.0	91	317413	48.6	
78 1,2,3-Trichloropropane	75	10.383	10.383	0.0	28	188681	44.7	
79 trans-1,4-Dichloro-2-butene	53	10.401	10.401	0.0	55	36009	41.6	
80 N-Propylbenzene	91	10.480	10.480	0.0	96	748437	50.0	
81 2-Chlorotoluene	91	10.571	10.571	0.0	95	491049	49.3	
82 1,3,5-Trimethylbenzene	105	10.693	10.693	0.0	90	535597	49.0	
83 4-Chlorotoluene	91	10.699	10.699	0.0	95	553464	53.2	
84 tert-Butylbenzene	119	11.082	11.082	0.0	86	470124	47.4	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85	1,2,4-Trimethylbenzene	105	11.137	11.137	0.0	60	548363	47.8	
86	sec-Butylbenzene	105	11.350	11.350	0.0	93	606123	47.1	
87	1,3-Dichlorobenzene	146	11.466	11.466	0.0	97	354762	49.9	
88	4-Isopropyltoluene	119	11.526	11.526	0.0	88	520543	47.2	
89	1,4-Dichlorobenzene	146	11.575	11.575	0.0	93	353379	51.2	
99	1,2,3-Trimethylbenzene	105	11.648	11.648	0.0	0	563452	47.2	
91	1,2-Dichlorobenzene	146	12.019	12.019	0.0	87	327015	50.2	
90	n-Butylbenzene	91	12.025	12.025	0.0	96	440369	46.9	
92	1,2-Dibromo-3-Chloropropane	157	12.968	12.968	0.0	54	19446	35.0	
93	1,2,4-Trichlorobenzene	180	13.996	13.996	0.0	94	120902	40.2	
94	Hexachlorobutadiene	225	14.227	14.227	0.0	95	70206	44.8	
95	Naphthalene	128	14.288	14.288	0.0	96	206489	36.8	
96	1,2,3-Trichlorobenzene	180	14.593	14.593	0.0	94	66162	34.8	
S 98	Xylenes, Total	100				0		157.9	
S 97	Total 1,2-dichloroethene	100				0		97.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D
Injection Date: 23-Aug-2011 08:38:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85489 Lims Sample ID: 2
Operator ID: JLH
Y Scaling:



Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D

Injection Date: 23-Aug-2011 08:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 2

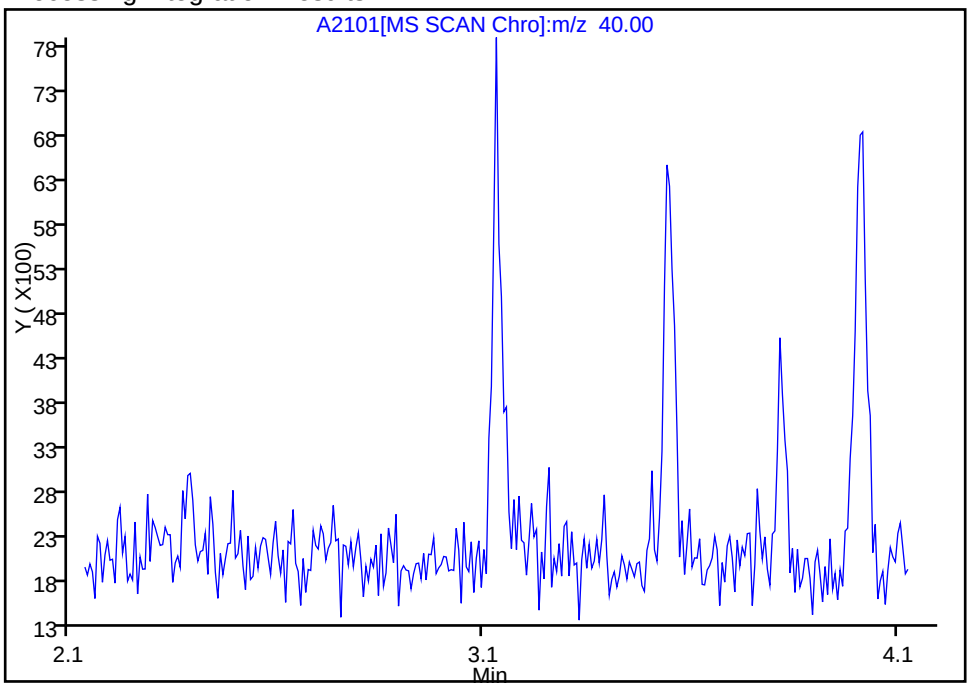
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

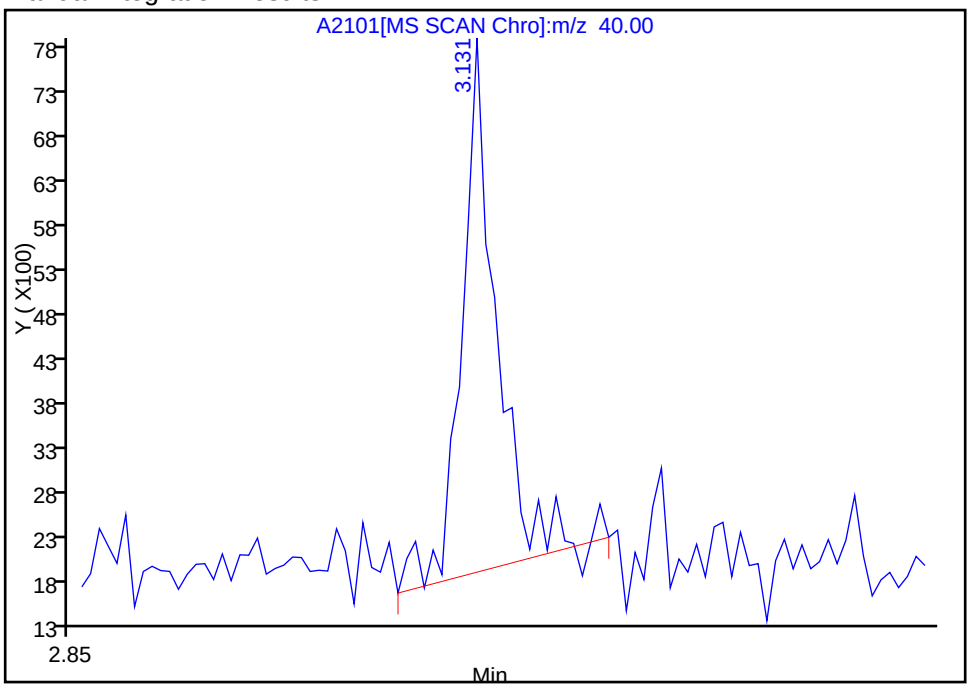


Manual Integration Results

RT: 3.13

Response: 9855

Amount: 61.040365



Reviewer: hallj, 23-Aug-2011 09:35:04

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D

Injection Date: 23-Aug-2011 08:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 2

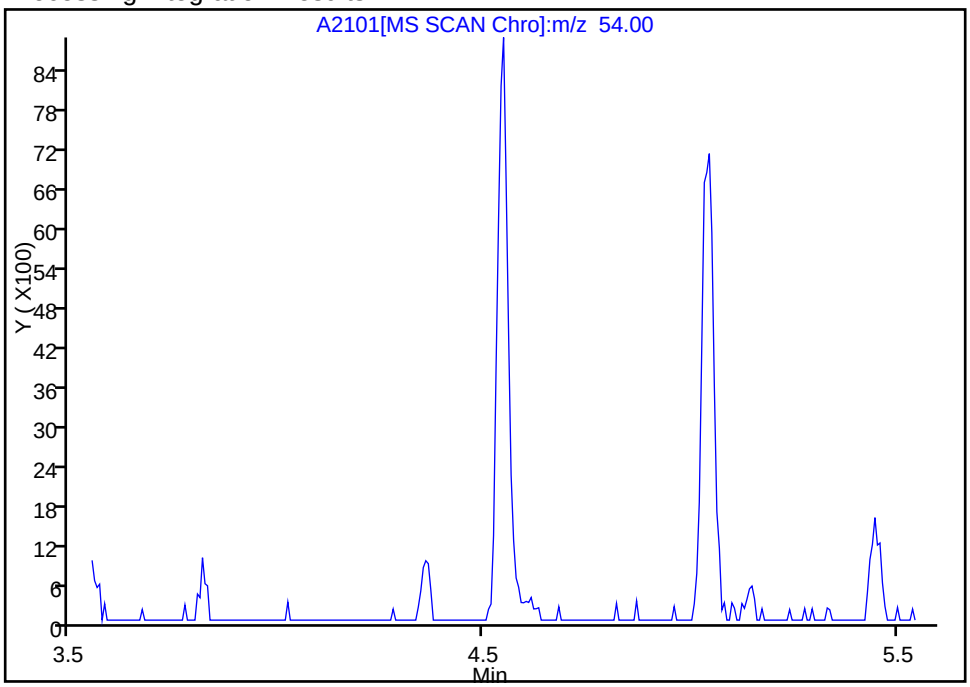
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Not Detected

Expected RT: 4.55

Processing Integration Results

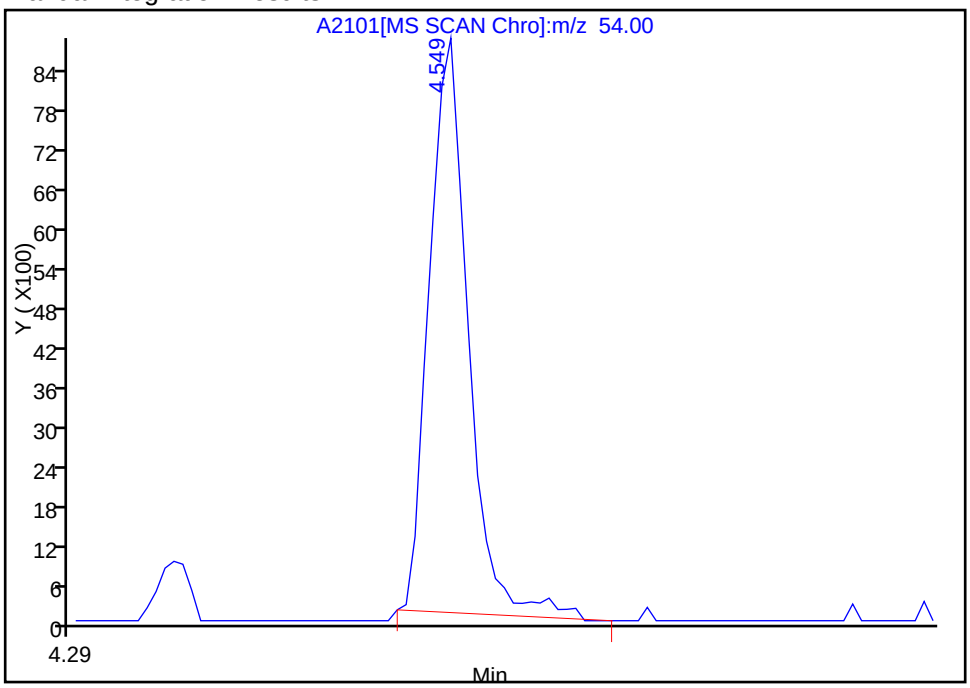


Manual Integration Results

RT: 4.55

Response: 16168

Amount: 51.023113



Reviewer: hallj, 23-Aug-2011 09:35:04

Audit Action: Manually Integrated

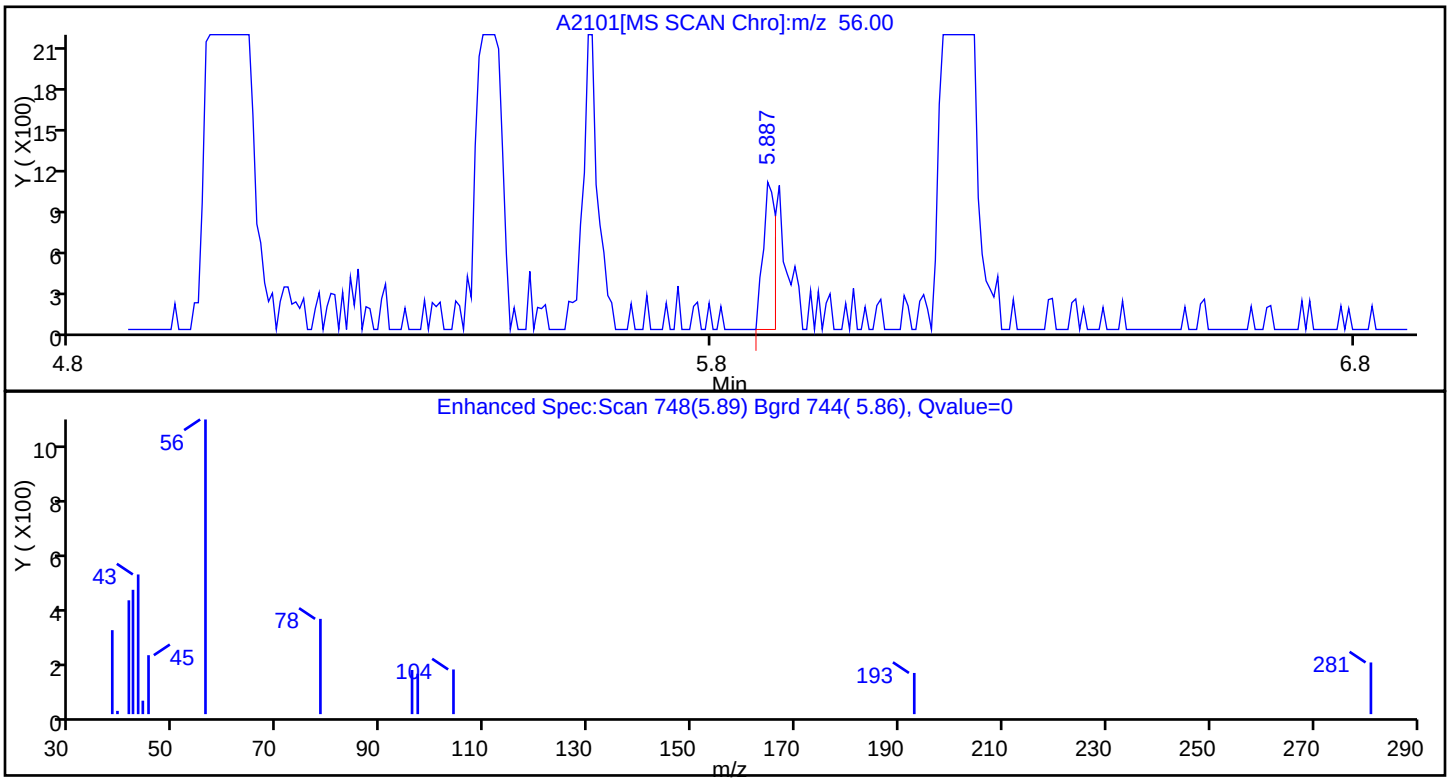
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D		
Injection Date:	23-Aug-2011 08:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85489	Lims Sample ID:	2
Operator ID:	JLH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
5.89	56.00	1440	80.796883
5.88	41.00	649	
5.89	43.00	1167	

Reviewer: hallj, 23-Aug-2011 09:35:04
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D

Injection Date: 23-Aug-2011 08:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 2

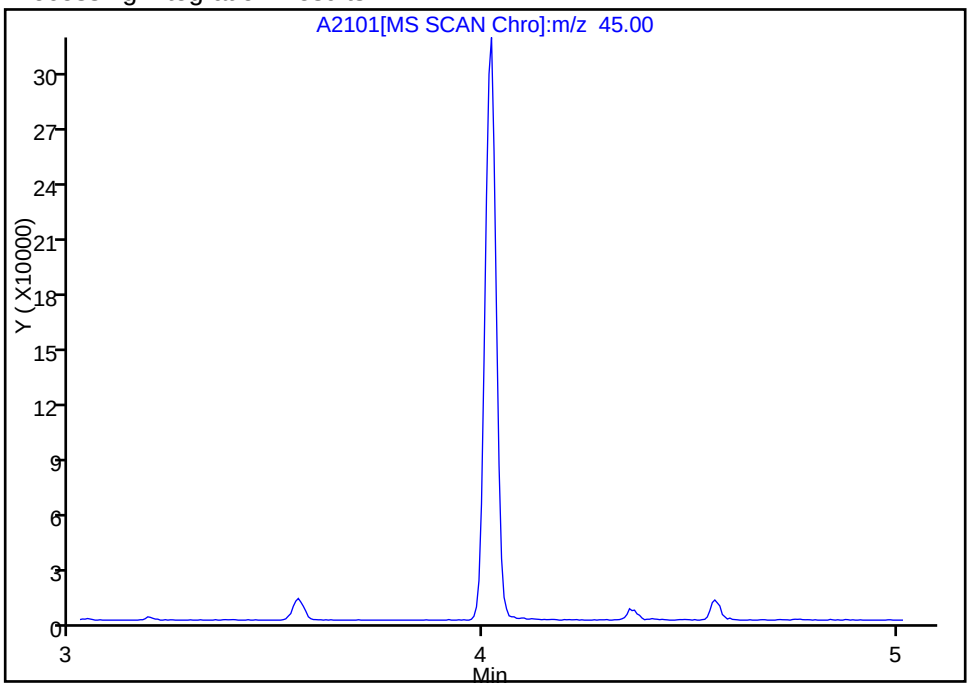
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

Processing Integration Results

Not Detected

Expected RT: 4.02

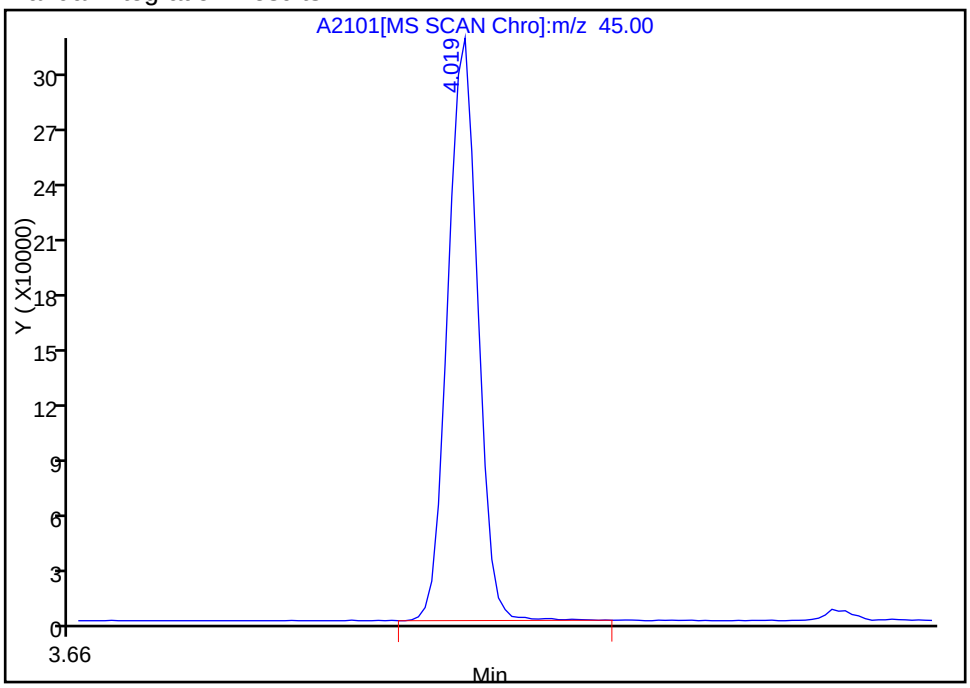


Manual Integration Results

RT: 4.02

Response: 604263

Amount: 56.329730



Reviewer: hallj, 23-Aug-2011 09:35:04

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 23-Aug-2011 09:35:04 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2101.D

Injection Date: 23-Aug-2011 08:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 2

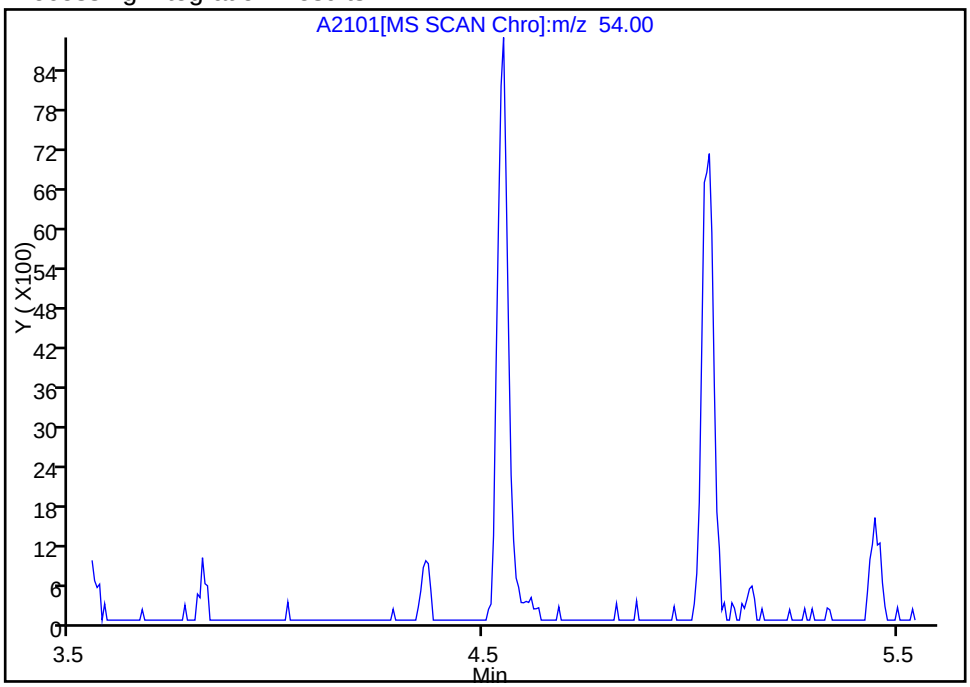
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

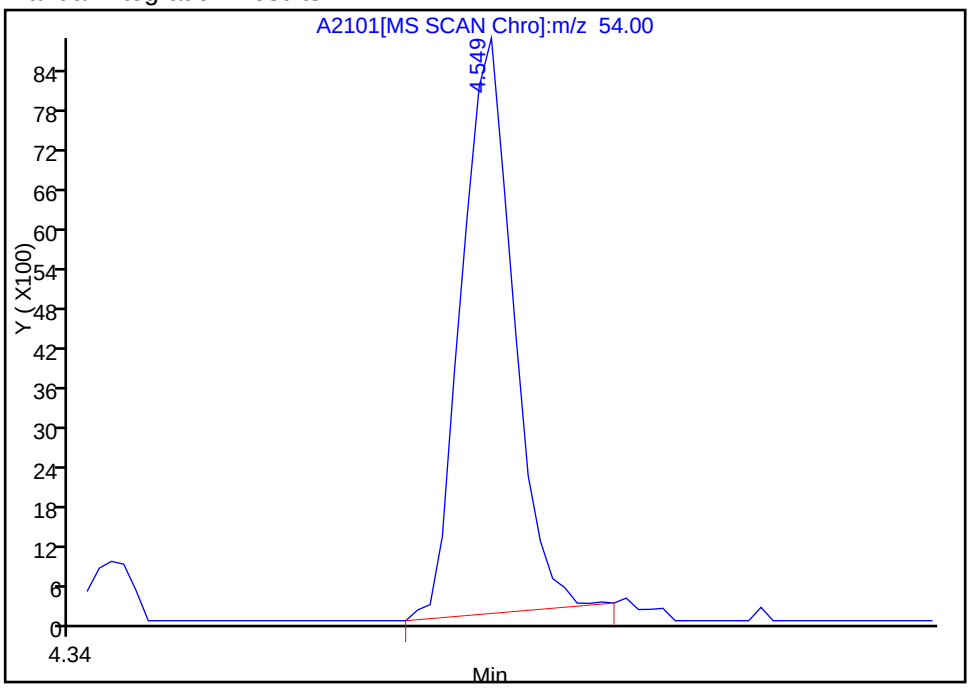


Manual Integration Results

RT: 4.55

Response: 15718

Amount: 49.472267



Reviewer: hallj, 23-Aug-2011 09:35:04

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2750.D		
Lims ID:	bfb	Client ID:	
Inject. Date:	19-Aug-2011 03:40:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0819111:50NG		
Misc. Info.:	510-0005409-001 =510-0005409-001		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85337	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110819-5409.b\8260-SO-VMSA-E.m		
Last Update:	19-Aug-2011 04:56:00	Calib Date:	13-Aug-2011 12:00:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110813-5377.b\E2586.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	19-Aug-2011 04:56:00

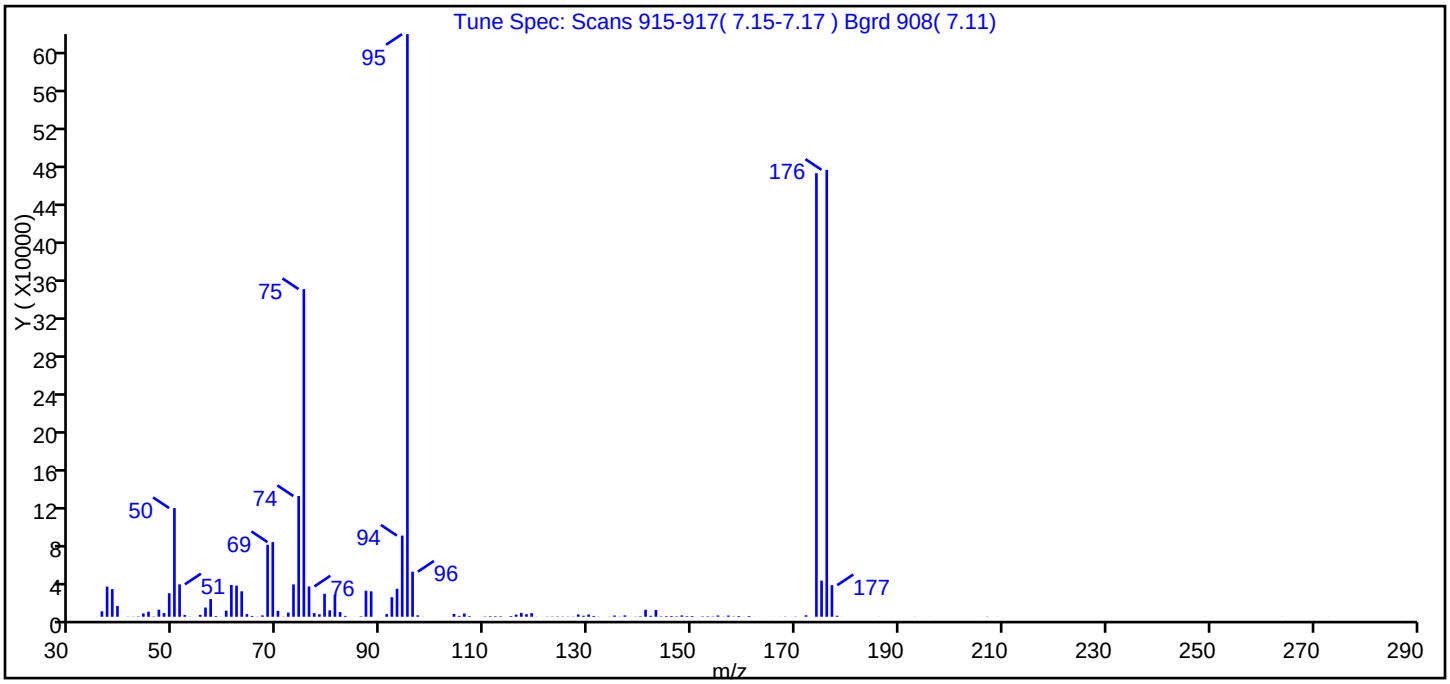
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	7.159	7.159	0.0	24	86308	50.0	
$ 100 BFB	95	7.159	7.159	0.0	0	1119036	0	

Report Date: 19-Aug-2011 04:56:01 Chrom Revision: 1.2 13-Jul-2011 10:43:06

MS Tune Report

Data File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2750.D		
Injection Date:	19-Aug-2011 03:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85337	Lims Sample ID:	1
Operator ID:	WH		
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	18.65
75	30.00 - 60.00% of mass 95	56.24
96	5.00 - 9.00% of mass 95	7.74
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.13
175	5.00 - 9.00% of mass 174	6.20 (8.15)
176	95.00 - 101.00% of mass 174	76.71 (100.76)
177	5.00 - 9.00% of mass 176	5.42 (7.07)

Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2750.D\8260-SO-VMSA-E.rslt\spectra.d
Injection Date: 19-Aug-2011 03:40:30
Spectrum: Tune Spec: Scans 915-917(7.15-7.17) Bgrd 908(7.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	74	73.00	34424	118.00	2755	156.00	158
36.00	5839	74.00	128272	119.00	3831	157.00	1300
37.00	32088	75.00	348160	120.00	142	158.00	278
38.00	29368	76.00	32200	121.00	65	159.00	824
39.00	11497	77.00	3908	122.00	244	160.00	69
41.00	221	78.00	2631	123.00	296	161.00	774
42.00	203	79.00	24432	124.00	384	162.00	54
43.00	416	80.00	6822	125.00	302	163.00	52
44.00	3491	81.00	23560	126.00	258	165.00	60
45.00	5395	82.00	4991	127.00	227	166.00	52
46.00	362	83.00	929	128.00	2476	167.00	89
47.00	7493	85.00	89	129.00	1105	168.00	233
48.00	3853	86.00	545	130.00	2381	169.00	51
49.00	24968	87.00	27664	131.00	937	170.00	233
50.00	115472	88.00	27040	132.00	178	171.00	50
51.00	34448	91.00	2845	134.00	122	172.00	1572
52.00	1804	92.00	20736	135.00	1361	174.00	471296
53.00	216	93.00	29752	136.00	200	175.00	38408
55.00	1944	94.00	86248	137.00	1500	176.00	474880
56.00	9813	95.00	619072	138.00	88	177.00	33584
57.00	18824	96.00	47912	139.00	214	178.00	1138
58.00	858	97.00	1518	140.00	507	179.00	51
59.00	131	98.00	110	141.00	7431	186.00	81
60.00	6471	103.00	111	142.00	1009	193.00	104
61.00	33768	104.00	3022	143.00	7204	196.00	59
62.00	33080	105.00	952	144.00	436	205.00	64
63.00	27088	106.00	3447	145.00	659	206.00	61
64.00	2861	107.00	689	146.00	855	207.00	243
65.00	910	109.00	55	147.00	530	208.00	60
66.00	157	110.00	387	148.00	1454	209.00	102
67.00	1454	111.00	587	149.00	661	249.00	53
68.00	76504	112.00	617	150.00	780	264.00	78
69.00	79344	113.00	562	152.00	446	273.00	70

Report Date: 19-Aug-2011 04:56:01 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2750.D\8260-SO-VMSA-E.rslt\spectra.d
Injection Date: 19-Aug-2011 03:40:30
Spectrum: Tune Spec: Scans 915-917(7.15-7.17) Bgrd 908(7.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 142

m/z	Y	m/z	Y	m/z	Y	m/z	Y
70.00	6283	115.00	830	153.00	542	287.00	51
71.00	167	116.00	2330	154.00	336		
72.00	4445	117.00	4126	155.00	1398		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2882.D		
Lims ID:	bfb	Client ID:	
Inject. Date:	23-Aug-2011 04:39:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0823113:50NG		
Misc. Info.:	510-0005425-003 =510-0005425-003		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85487	Lims Sample ID:	3
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 05:54:55	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	23-Aug-2011 05:54:55

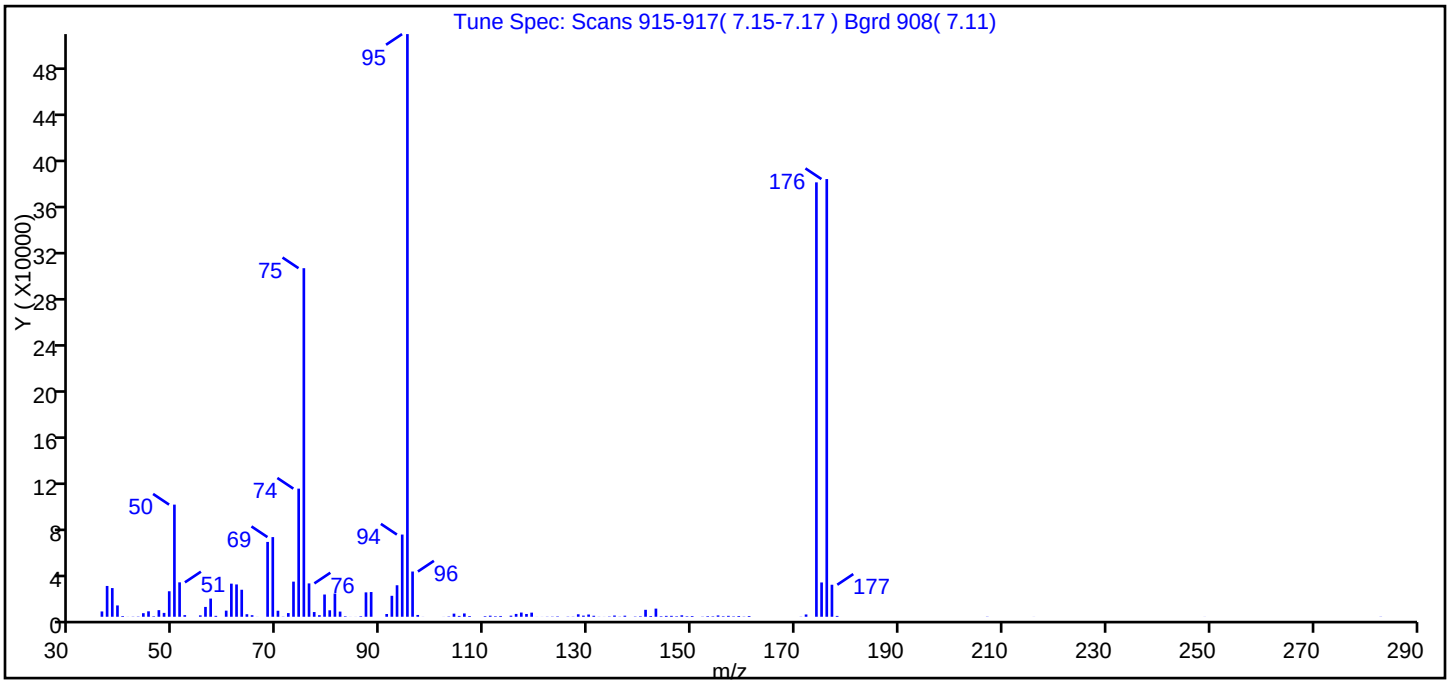
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	7.160	7.160	0.0	23	68078	50.0	
$ 100 BFB	95	7.160	7.160	0.0	0	876606	0	

Report Date: 23-Aug-2011 05:54:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06

MS Tune Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2882.D		
Injection Date:	23-Aug-2011 04:39:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	3
Operator ID:	WH		
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	19.25
75	30.00 - 60.00% of mass 95	59.82
96	5.00 - 9.00% of mass 95	7.77
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.56
175	5.00 - 9.00% of mass 174	5.89 (7.90)
176	95.00 - 101.00% of mass 174	75.12 (100.75)
177	5.00 - 9.00% of mass 176	5.50 (7.32)

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2882.D\8260-SO-VMSA-E.rslt\spectra.d
Injection Date: 23-Aug-2011 04:39:30
Spectrum: Tune Spec: Scans 915-917(7.15-7.17) Bgrd 908(7.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 122

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4581	71.00	165	107.00	638	143.00	7004
37.00	26456	72.00	3171	110.00	522	144.00	452
38.00	24640	73.00	30176	111.00	923	145.00	766
39.00	9734	74.00	110032	112.00	475	146.00	799
40.00	620	75.00	299328	113.00	687	147.00	452
41.00	76	76.00	28656	115.00	938	148.00	1266
42.00	167	77.00	4059	116.00	2446	149.00	448
43.00	234	78.00	1345	117.00	3621	150.00	636
44.00	3076	79.00	19112	118.00	2391	152.00	172
45.00	4679	80.00	5575	119.00	3550	153.00	533
46.00	430	81.00	19952	120.00	50	154.00	379
47.00	5680	82.00	4457	121.00	58	155.00	1149
48.00	3324	83.00	465	122.00	153	156.00	448
49.00	21912	84.00	52	123.00	206	157.00	795
50.00	96312	85.00	53	124.00	371	158.00	348
51.00	29560	86.00	477	126.00	208	159.00	662
52.00	1397	87.00	20960	127.00	164	160.00	190
55.00	1190	88.00	21240	128.00	2148	161.00	651
56.00	8451	91.00	2380	129.00	983	171.00	124
57.00	15628	92.00	18000	130.00	1935	172.00	1992
58.00	797	93.00	27064	131.00	861	174.00	373056
60.00	5260	94.00	70600	132.00	110	175.00	29464
61.00	28440	95.00	500352	133.00	65	176.00	375872
62.00	27768	96.00	38856	134.00	270	177.00	27504
63.00	23200	97.00	1549	135.00	1062	178.00	736
64.00	2185	98.00	64	136.00	152	207.00	161
65.00	1341	102.00	54	137.00	920	216.00	52
66.00	54	103.00	289	139.00	264	249.00	53
68.00	64272	104.00	2697	140.00	428	283.00	132
69.00	68416	105.00	728	141.00	5985		
70.00	5180	106.00	2854	142.00	661		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1895.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	17-Aug-2011 10:15:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0817111:50NG		
Misc. Info.:	510-0005393-001 =510-0005393-001		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85201	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110817-5393.b\VMSB-8260.m		
Last Update:	17-Aug-2011 10:26:19	Calib Date:	10-Aug-2011 15:22:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110810-5358.b\A1694.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	17-Aug-2011 10:26:19

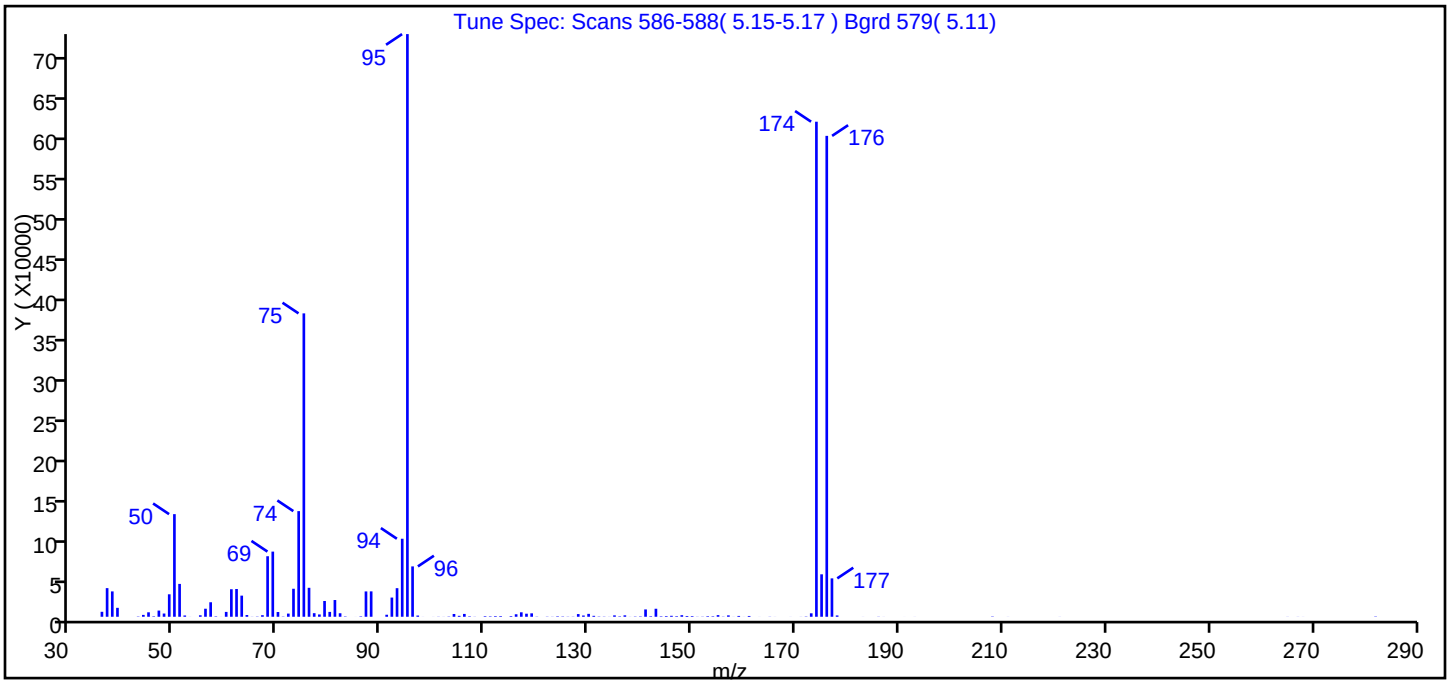
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.599	5.599	0.0	1	728	50.0	
$ 5 BFB	95	5.161	5.161	0.0	0	1341609	0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.258	5.258	0.0	0	320	57.8	
$ 7 Toluene-d8 (Surr)	98	7.138	7.138	0.0	1	409	29.0	

Report Date: 17-Aug-2011 10:26:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

MS Tune Report

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1895.D
Injection Date: 17-Aug-2011 10:15:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85201 Lims Sample ID: 1
Operator ID: JLH
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.61
75	30.00 - 60.00% of mass 95	52.07
96	5.00 - 9.00% of mass 95	8.64
173	Less than 2.00% of mass 174	0.60 (0.70)
174	Greater than 50.00% of mass 95	84.96
175	5.00 - 9.00% of mass 174	7.29 (8.58)
176	95.00 - 101.00% of mass 174	82.54 (97.14)
177	5.00 - 9.00% of mass 176	6.59 (7.98)

Report Date: 17-Aug-2011 10:26:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1895.D\VMSB-8260.rslt\spectra.d
Injection Date: 17-Aug-2011 10:15:30
Spectrum: Tune Spec: Scans 586-588(5.15-5.17) Bgrd 579(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	6235	75.00	379904	116.00	3143	152.00	226
37.00	35864	76.00	36272	117.00	5606	153.00	710
38.00	31760	77.00	4496	118.00	3832	154.00	584
39.00	11184	78.00	2898	119.00	4310	155.00	2068
43.00	366	79.00	19752	120.00	241	156.00	247
44.00	2346	80.00	6101	122.00	247	157.00	1749
45.00	5592	81.00	20968	123.00	150	158.00	70
46.00	581	82.00	4403	124.00	580	159.00	1051
47.00	7748	83.00	442	125.00	378	160.00	57
48.00	4055	85.00	35	126.00	218	161.00	1005
49.00	28136	86.00	548	127.00	211	163.00	53
50.00	128504	87.00	31736	128.00	3369	165.00	170
51.00	41144	88.00	31800	129.00	1575	166.00	61
52.00	1612	91.00	2546	130.00	3641	169.00	54
53.00	66	92.00	24048	131.00	1178	171.00	96
55.00	1821	93.00	35808	132.00	348	172.00	349
56.00	10075	94.00	97704	133.00	251	173.00	4342
57.00	18176	95.00	729600	134.00	116	174.00	619904
58.00	514	96.00	63064	135.00	1745	175.00	53160
59.00	59	97.00	1518	136.00	522	176.00	602176
60.00	6089	98.00	55	137.00	1793	177.00	48080
61.00	34464	100.00	59	138.00	96	178.00	1630
62.00	34760	101.00	174	139.00	341	183.00	55
63.00	26464	102.00	84	140.00	446	186.00	186
64.00	2164	103.00	329	141.00	9196	187.00	59
65.00	127	104.00	3478	142.00	672	191.00	24
66.00	307	105.00	1180	143.00	10036	193.00	57
67.00	1955	106.00	3558	144.00	570	208.00	396
68.00	75808	107.00	538	145.00	829	211.00	72
69.00	81592	108.00	149	146.00	1219	221.00	75
70.00	5946	110.00	722	147.00	731	265.00	104
71.00	319	111.00	552	148.00	1968	267.00	102
72.00	3981	112.00	794	149.00	970	268.00	58

Report Date: 17-Aug-2011 10:26:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1895.D\VMSB-8260.rslt\spectra.d
Injection Date: 17-Aug-2011 10:15:30
Spectrum: Tune Spec: Scans 586-588(5.15-5.17) Bgrd 579(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
73.00	35080	113.00	815	150.00	811	282.00	392
74.00	132288	115.00	807	151.00	160		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110823-5426.b\A2100.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	23-Aug-2011 08:12:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0823111:50NG		
Misc. Info.:	510-0005426-001 =510-0005426-001		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85489	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110823-5426.b\VMSB-8260.m		
Last Update:	23-Aug-2011 08:23:19	Calib Date:	17-Aug-2011 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	23-Aug-2011 08:23:19

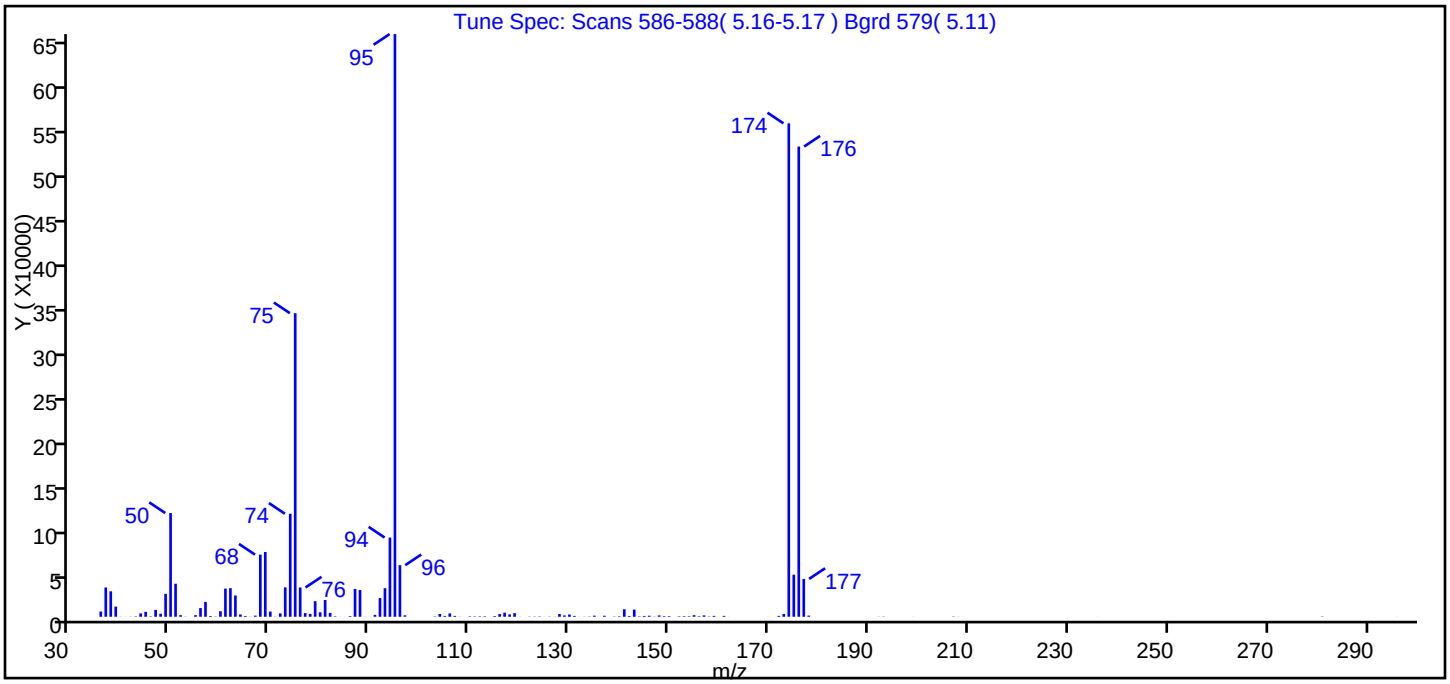
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.581	5.581	0.0	1	228	50.0	
$ 5 BFB	95	5.161	5.161	0.0	0	1151306	0	

Report Date: 23-Aug-2011 08:23:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

MS Tune Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2100.D
Injection Date: 23-Aug-2011 08:12:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85489 Lims Sample ID: 1
Operator ID: JLH
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.80
75	30.00 - 60.00% of mass 95	52.10
96	5.00 - 9.00% of mass 95	8.85
173	Less than 2.00% of mass 174	0.48 (0.57)
174	Greater than 50.00% of mass 95	84.68
175	5.00 - 9.00% of mass 174	7.22 (8.53)
176	95.00 - 101.00% of mass 174	80.70 (95.30)
177	5.00 - 9.00% of mass 176	6.49 (8.05)

Report Date: 23-Aug-2011 08:23:20 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2100.D\VMSB-8260.rslt\spectra.d
Injection Date: 23-Aug-2011 08:12:30
Spectrum: Tune Spec: Scans 586-588(5.16-5.17) Bgrd 579(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 132

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5849	70.00	5799	108.00	115	145.00	929
37.00	32696	71.00	197	110.00	477	146.00	1196
38.00	28464	72.00	3756	111.00	404	147.00	219
39.00	11403	73.00	32832	112.00	506	148.00	1539
40.00	145	74.00	115096	113.00	546	149.00	655
41.00	98	75.00	339136	115.00	790	150.00	720
42.00	180	76.00	32720	116.00	3004	152.00	537
43.00	435	77.00	4157	117.00	4598	153.00	652
44.00	3783	78.00	3155	118.00	2650	154.00	567
45.00	5534	79.00	17400	119.00	3990	155.00	1772
46.00	425	80.00	4971	120.00	140	156.00	609
47.00	7740	81.00	18720	122.00	264	157.00	1524
48.00	3383	82.00	4274	123.00	287	158.00	326
49.00	25608	83.00	522	124.00	370	159.00	1003
50.00	115888	84.00	75	125.00	79	161.00	975
51.00	36912	85.00	53	126.00	242	162.00	63
52.00	1784	86.00	749	127.00	135	170.00	70
53.00	170	87.00	31064	128.00	3089	172.00	970
55.00	1783	88.00	29896	129.00	1522	173.00	3148
56.00	9729	89.00	89	130.00	2531	174.00	551232
57.00	16616	90.00	50	131.00	962	175.00	47000
58.00	843	91.00	2080	132.00	60	176.00	525312
59.00	285	92.00	20880	133.00	155	177.00	42272
60.00	6175	93.00	31912	134.00	288	178.00	1336
61.00	31432	94.00	88512	135.00	1254	192.00	160
62.00	31960	95.00	650944	136.00	57	193.00	259
63.00	23792	96.00	57632	137.00	1159	199.00	71
64.00	2611	97.00	1635	139.00	268	207.00	295
65.00	881	103.00	375	140.00	585	208.00	98
66.00	158	104.00	3077	141.00	8392	236.00	54
67.00	1278	105.00	919	142.00	800	281.00	336
68.00	69448	106.00	3752	143.00	7995	282.00	4
69.00	72376	107.00	968	144.00	463	296.00	54

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	5849	70.00	5799	108.00	115	145.00	929
37.00	32696	71.00	197	110.00	477	146.00	1196
38.00	28464	72.00	3756	111.00	404	147.00	219
39.00	11403	73.00	32832	112.00	506	148.00	1539
40.00	145	74.00	115096	113.00	546	149.00	655
41.00	98	75.00	339136	115.00	790	150.00	720
42.00	180	76.00	32720	116.00	3004	152.00	537
43.00	435	77.00	4157	117.00	4598	153.00	652
44.00	3783	78.00	3155	118.00	2650	154.00	567
45.00	5534	79.00	17400	119.00	3990	155.00	1772
46.00	425	80.00	4971	120.00	140	156.00	609
47.00	7740	81.00	18720	122.00	264	157.00	1524
48.00	3383	82.00	4274	123.00	287	158.00	326
49.00	25608	83.00	522	124.00	370	159.00	1003
50.00	115888	84.00	75	125.00	79	161.00	975
51.00	36912	85.00	53	126.00	242	162.00	63
52.00	1784	86.00	749	127.00	135	170.00	70
53.00	170	87.00	31064	128.00	3089	172.00	970
55.00	1783	88.00	29896	129.00	1522	173.00	3148
56.00	9729	89.00	89	130.00	2531	174.00	551232
57.00	16616	90.00	50	131.00	962	175.00	47000
58.00	843	91.00	2080	132.00	60	176.00	525312
59.00	285	92.00	20880	133.00	155	177.00	42272
60.00	6175	93.00	31912	134.00	288	178.00	1336
61.00	31432	94.00	88512	135.00	1254	192.00	160
62.00	31960	95.00	650944	136.00	57	193.00	259
63.00	23792	96.00	57632	137.00	1159	199.00	71
64.00	2611	97.00	1635	139.00	268	207.00	295
65.00	881	103.00	375	140.00	585	208.00	98
66.00	158	104.00	3077	141.00	8392	236.00	54
67.00	1278	105.00	919	142.00	800	281.00	336
68.00	69448	106.00	3752	143.00	7995	282.00	4
69.00	72376	107.00	968	144.00	463	296.00	54

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2140.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	24-Aug-2011 11:25:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0824111:50NG		
Misc. Info.:	510-0005435-001 =510-0005435-001		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85568	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m		
Last Update:	24-Aug-2011 11:35:36	Calib Date:	17-Aug-2011 17:07:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	24-Aug-2011 11:35:35

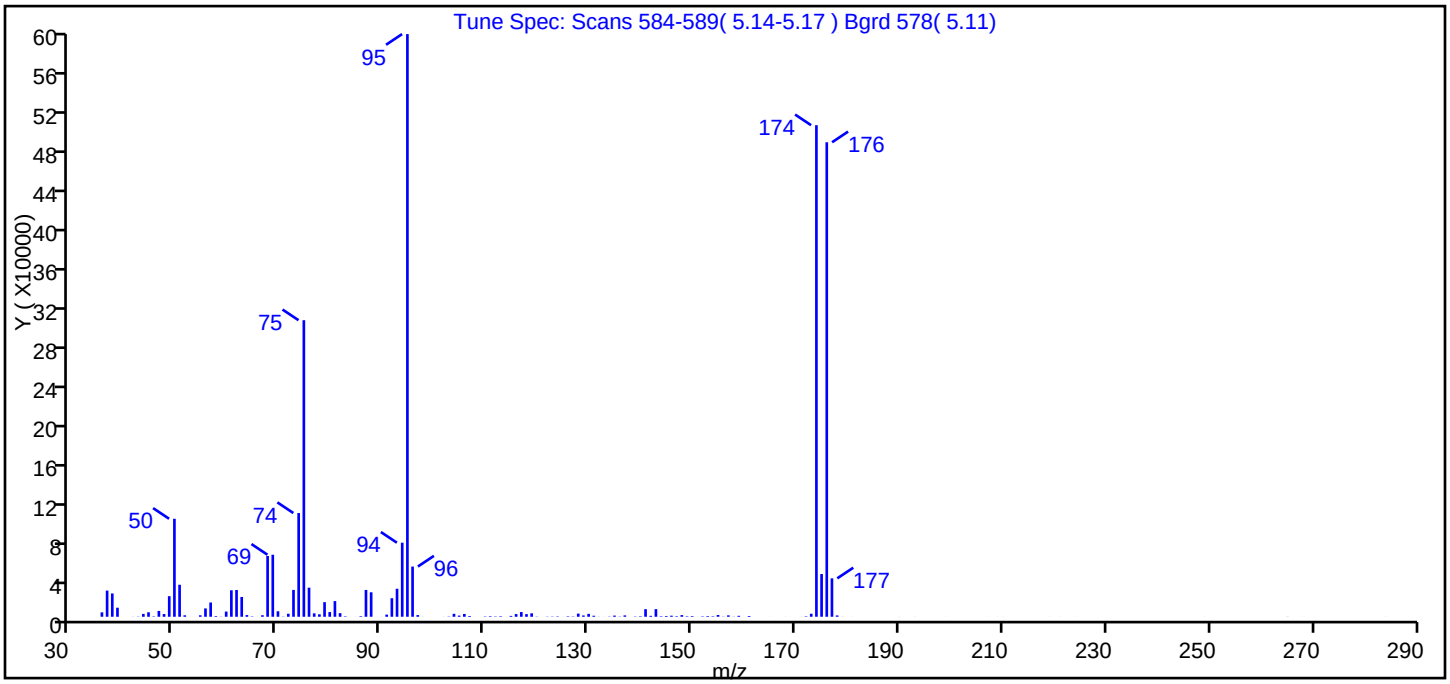
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.599	5.599	0.0	1	176	50.0	
$ 5 BFB	95	5.161	5.161	0.0	0	1442027	0	

Report Date: 24-Aug-2011 11:35:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

MS Tune Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2140.D
Injection Date: 24-Aug-2011 11:25:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 1
Operator ID: JLH
Tune Method: BFB Method 8260

$ 5 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	16.82
75	30.00 - 60.00% of mass 95	50.90
96	5.00 - 9.00% of mass 95	8.62
173	Less than 2.00% of mass 174	0.52 (0.62)
174	Greater than 50.00% of mass 95	84.37
175	5.00 - 9.00% of mass 174	7.34 (8.70)
176	95.00 - 101.00% of mass 174	81.44 (96.53)
177	5.00 - 9.00% of mass 176	6.59 (8.10)

Report Date: 24-Aug-2011 11:35:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2140.D\VMSB-8260.rslt\spectra.d
Injection Date: 24-Aug-2011 11:25:30
Spectrum: Tune Spec: Scans 584-589(5.14-5.17) Bgrd 578(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	4536	74.00	106624	116.00	2771	153.00	682
37.00	26912	75.00	304832	117.00	4857	154.00	478
38.00	23952	76.00	29896	118.00	2707	155.00	1839
39.00	9308	77.00	3513	119.00	3551	156.00	188
42.00	90	78.00	2536	120.00	210	157.00	1438
43.00	209	79.00	15019	122.00	209	158.00	142
44.00	2944	80.00	4833	123.00	252	159.00	992
45.00	4619	81.00	16108	124.00	393	161.00	780
46.00	406	82.00	3718	125.00	28	165.00	25
47.00	6004	83.00	459	126.00	467	168.00	37
48.00	2810	85.00	36	127.00	302	169.00	25
49.00	21176	86.00	617	128.00	3245	171.00	47
50.00	100728	87.00	27560	129.00	1342	172.00	458
51.00	32904	88.00	25168	130.00	2970	173.00	3116
52.00	1503	89.00	27	131.00	1063	174.00	505280
53.00	51	90.00	34	132.00	97	175.00	43944
55.00	1493	91.00	2221	133.00	36	176.00	487744
56.00	8561	92.00	19056	134.00	211	177.00	39488
57.00	14664	93.00	28792	135.00	1213	178.00	1363
58.00	685	94.00	76144	136.00	223	179.00	69
59.00	150	95.00	598912	137.00	1416	181.00	34
60.00	5343	96.00	51632	139.00	293	190.00	43
61.00	27232	97.00	1728	140.00	495	193.00	43
62.00	27512	98.00	61	141.00	7803	199.00	25
63.00	20376	102.00	49	142.00	957	207.00	25
64.00	1742	103.00	260	143.00	7850	209.00	31
65.00	356	104.00	3039	144.00	488	210.00	34
66.00	25	105.00	1205	145.00	763	219.00	39
67.00	1555	106.00	2887	146.00	1123	221.00	32
68.00	62464	107.00	759	147.00	559	224.00	26
69.00	63768	110.00	345	148.00	1706	249.00	25
70.00	5665	111.00	565	149.00	485	265.00	97
71.00	209	112.00	343	150.00	701	268.00	26

Report Date: 24-Aug-2011 11:35:36 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2140.D\VMSB-8260.rslt\spectra.d
Injection Date: 24-Aug-2011 11:25:30
Spectrum: Tune Spec: Scans 584-589(5.14-5.17) Bgrd 578(5.11)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 139

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	3115	113.00	532	151.00	25	284.00	41
73.00	27608	115.00	908	152.00	401		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-85487/8

Matrix: Solid | Lab File ID: E2887.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/23/2011 07:53

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	<0.0050		0.0050	0.0018
107-02-8	Acrolein	<0.20		0.20	0.0024
67-64-1	Acetone	<0.010		0.010	0.0020
75-15-0	Carbon disulfide	<0.0050		0.0050	0.0013
75-00-3	Chloroethane	<0.0050		0.0050	0.0017
74-87-3	Chloromethane	<0.0050		0.0050	0.0014
75-35-4	1,1-Dichlorethylene	<0.0050		0.0050	0.0017
156-59-2	cis-1,2-Dichloroethylene	<0.0050		0.0050	0.0012
67-66-3	Chloroform	<0.0050		0.0050	0.0010
75-34-3	1,1-Dichloroethane	<0.0050		0.0050	0.0016
110-82-7	Cyclohexane	<0.0050		0.0050	0.0016
107-06-2	1,2-Dichloroethane	<0.0050		0.0050	0.00097
56-23-5	Carbon tetrachloride	<0.0050		0.0050	0.0011
71-43-2	Benzene	<0.0050		0.0050	0.0011
74-88-4	Iodomethane	<0.010		0.010	0.0037
78-87-5	1,2-Dichloropropane	<0.0050		0.0050	0.00086
75-27-4	Bromodichloromethane	<0.0050		0.0050	0.00050
79-20-9	Methyl acetate	<0.0050		0.0050	0.00074
10061-01-5	cis-1,3-Dichloropropene	<0.0050		0.0050	0.00050
108-87-2	Methylcyclohexane	<0.0050		0.0050	0.0012
75-09-2	Methylene Chloride	<0.0050		0.0050	0.0013
78-93-3	Methyl ethyl ketone (MEK)	<0.010		0.010	0.00083
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.010		0.010	0.00050
1634-04-4	Methyl tert-butyl ether	<0.0050		0.0050	0.00085
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010	0.00079
71-36-3	n-Butanol	<0.10		0.10	0.015
124-48-1	Chlorodibromomethane	<0.0050		0.0050	0.00050
110-54-3	n-Hexane	<0.0050		0.0050	0.0020
106-93-4	1,2-Dibromoethane	<0.0050		0.0050	0.00050
108-90-7	Chlorobenzene	<0.0050		0.0050	0.00067
630-20-6	1,1,1,2-Tetrachloroethane	<0.0050		0.0050	0.00069
100-41-4	Ethylbenzene	<0.0050		0.0050	0.00077
127-18-4	Tetrachloroethylene	<0.0050		0.0050	0.0011
108-88-3	Toluene	<0.0050		0.0050	0.0011
100-42-5	Styrene	<0.0050		0.0050	0.00067
75-25-2	Bromoform	<0.0050		0.0050	0.0014

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-85487/8

Matrix: Solid | Lab File ID: E2887.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/23/2011 07:53

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethylene	<0.0050		0.0050	0.0017
98-82-8	Isopropylbenzene	<0.0050		0.0050	0.00074
10061-02-6	trans-1,3-Dichloropropene	<0.0050		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	<0.0050		0.0050	0.0011
79-34-5	1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0011
79-00-5	1,1,2-Trichloroethane	<0.0050		0.0050	0.00069
103-65-1	n-Propylbenzene	<0.0050		0.0050	0.0020
79-01-6	Trichloroethene	<0.0050		0.0050	0.0012
75-69-4	Trichlorofluoromethane	<0.0050		0.0050	0.0017
95-63-6	1,2,4-Trimethylbenzene	<0.0050		0.0050	0.0020
108-67-8	1,3,5-Trimethylbenzene	<0.0050		0.0050	0.00074
108-05-4	Vinyl acetate	<0.0050		0.0050	0.0013
542-75-6	1,3-Dichloropropene, Total	<0.010		0.010	
75-01-4	Vinyl chloride	<0.0050		0.0050	0.0022
141-78-6	Ethyl acetate	<0.0050		0.0050	0.0011
1330-20-7	Xylenes, Total	<0.010		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	116		76-137
2037-26-5	Toluene-d8 (Surr)	90		70-130
460-00-4	4-Bromofluorobenzene (Surr)	103		50-150

Report Date: 23-Aug-2011 09:27:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D
Lims ID: mb Client ID:
Inject. Date: 23-Aug-2011 07:53:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 510-0005425-008 =510-0005425-008
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 85487 Lims Sample ID: 8
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 07:16:53 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 23-Aug-2011 09:27:23

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.923	6.919	0.004	0	1261930	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.655	-0.003	87	840702	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.925	13.921	0.004	97	396356	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	368063	58.1	
$ 100 BFB	95	6.923	7.159	-0.236	0	124149	0	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	94	1152343	45.1	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	84	407377	51.6	
22 Methylene Chloride	84	4.282	4.279	0.003	81	12402	1.55	M
27 Hexane	57	4.860	4.863	-0.003	71	3690	0.4180	
64 Ethylbenzene	91	10.840	10.837	0.003	8	1846	0.3102	
79 4-Isopropyltoluene	119	13.894	13.879	0.015	8	352	0.3455	
89 Naphthalene	128	17.228	17.231	-0.003	6	3169	0.2273	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 09:27:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D

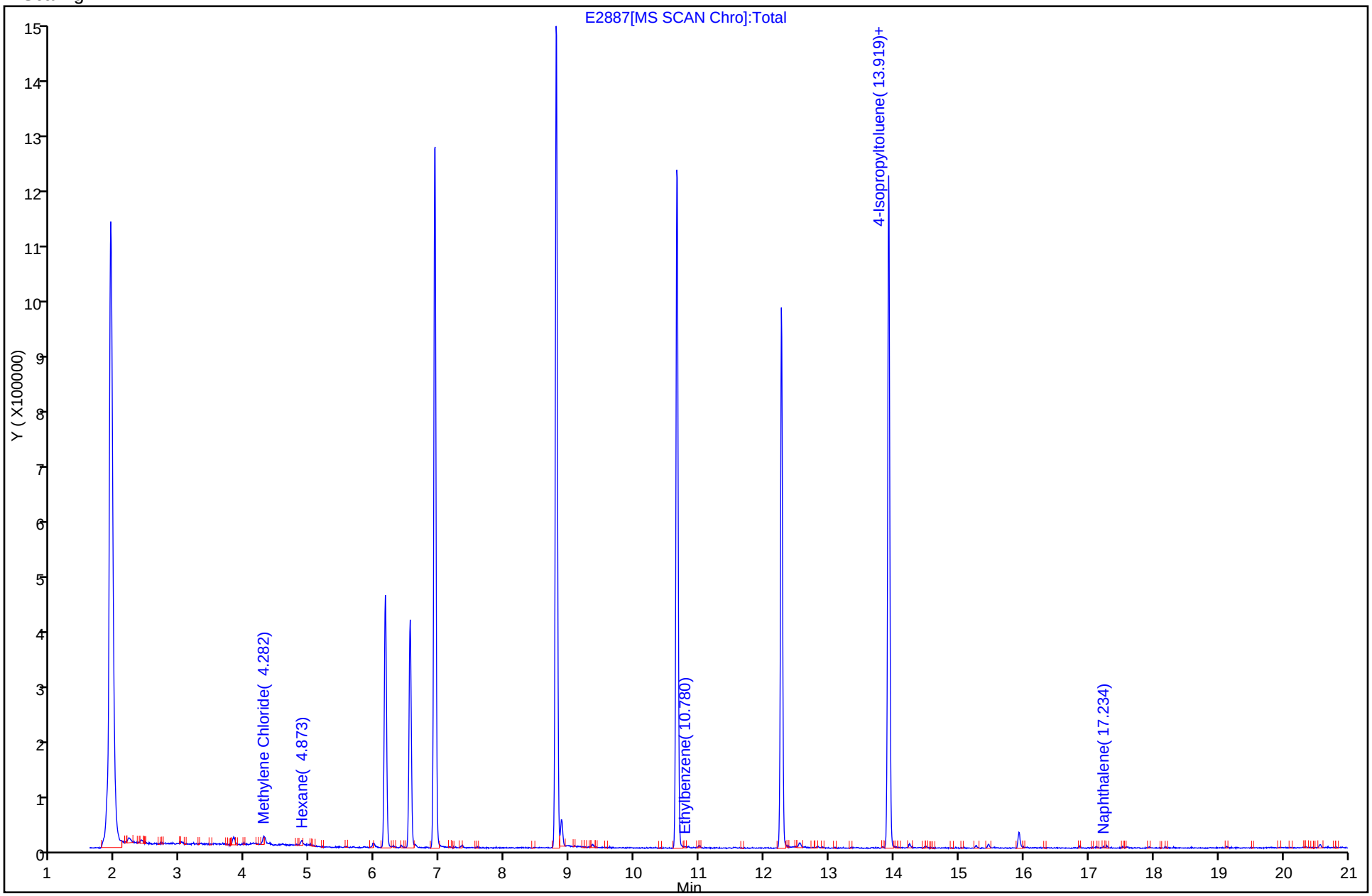
Injection Date: 23-Aug-2011 07:53:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 8

Operator ID: WH

Y Scaling:



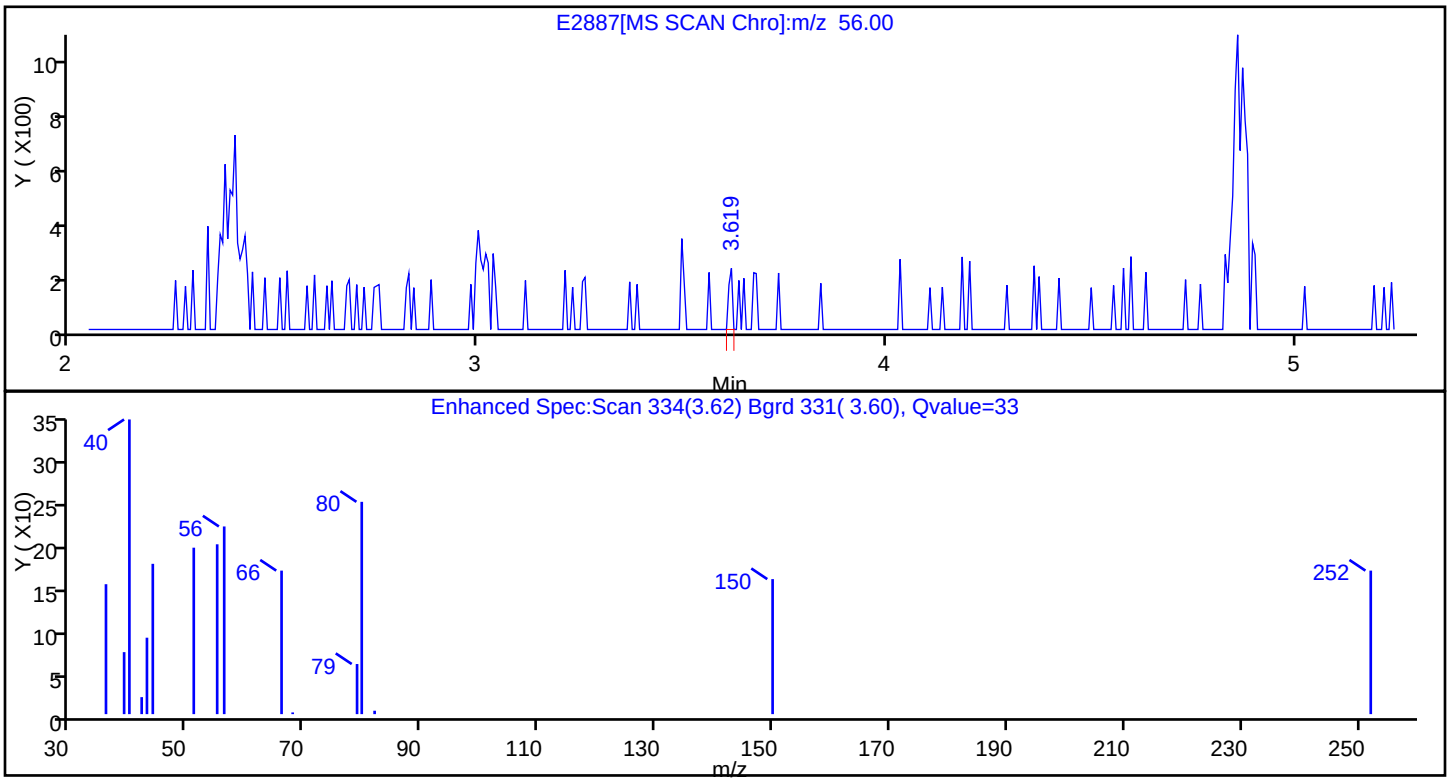
Report Date: 23-Aug-2011 09:27:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D		
Injection Date:	23-Aug-2011 07:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	8
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.62	56.00	139	0.267768
3.63	55.00	194	

Reviewer: hobartw, 23-Aug-2011 09:27:23
Audit Action: Marked Compound Undetected
Audit Reason:

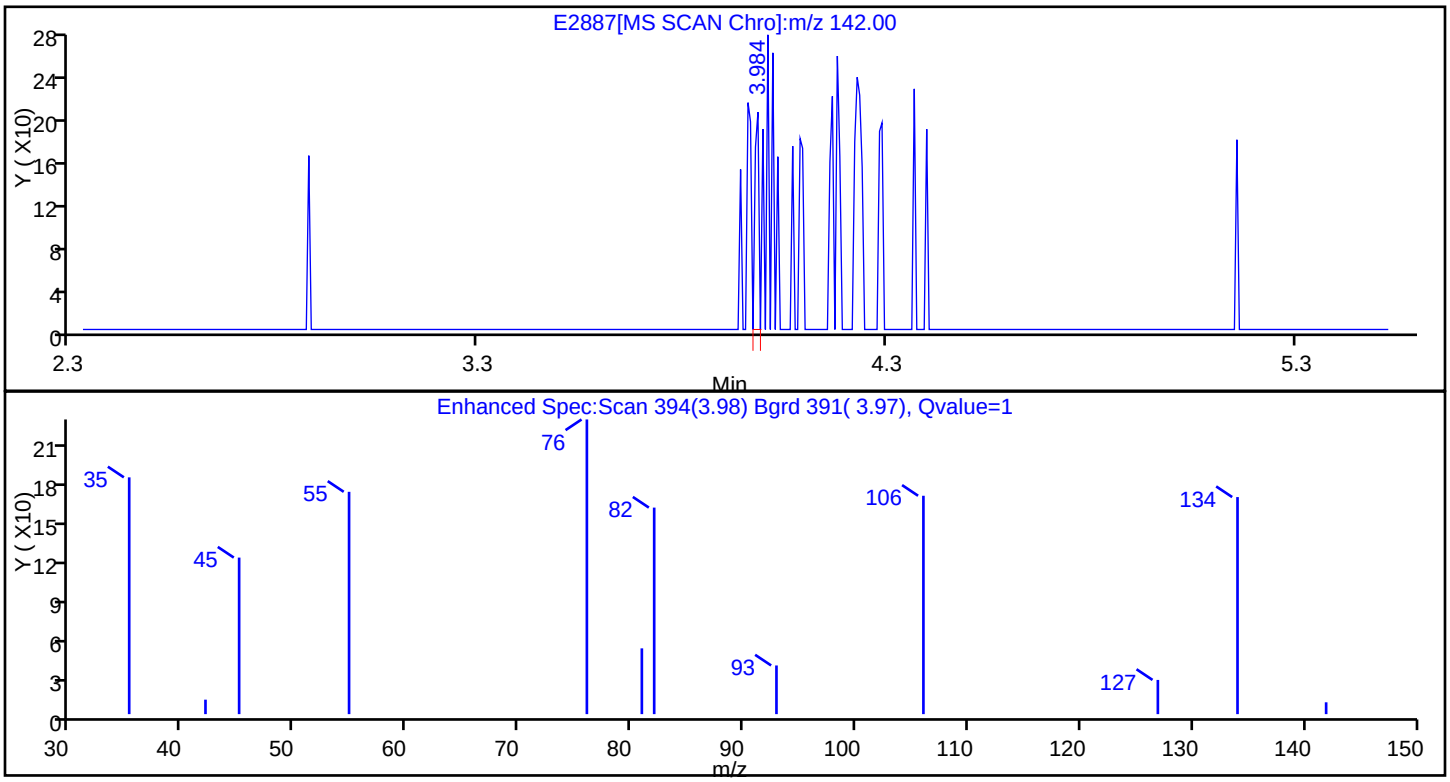
Report Date: 23-Aug-2011 09:27:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D		
Injection Date:	23-Aug-2011 07:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	8
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.98	142.00	138	2.904701
3.99	127.00	221	

Reviewer: hobartw, 23-Aug-2011 09:27:23
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 23-Aug-2011 09:27:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

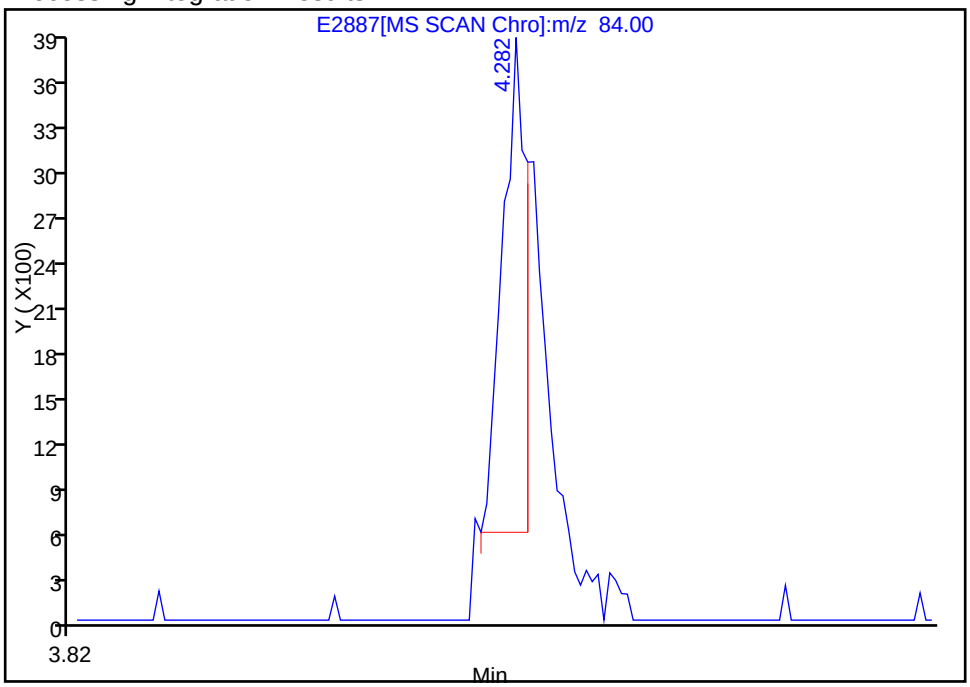
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D		
Injection Date:	23-Aug-2011 07:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	8
Operator ID:	WH		

22 Methylene Chloride, Signal: 1, m/z: 84.0 Type: quant, RT: 4.28

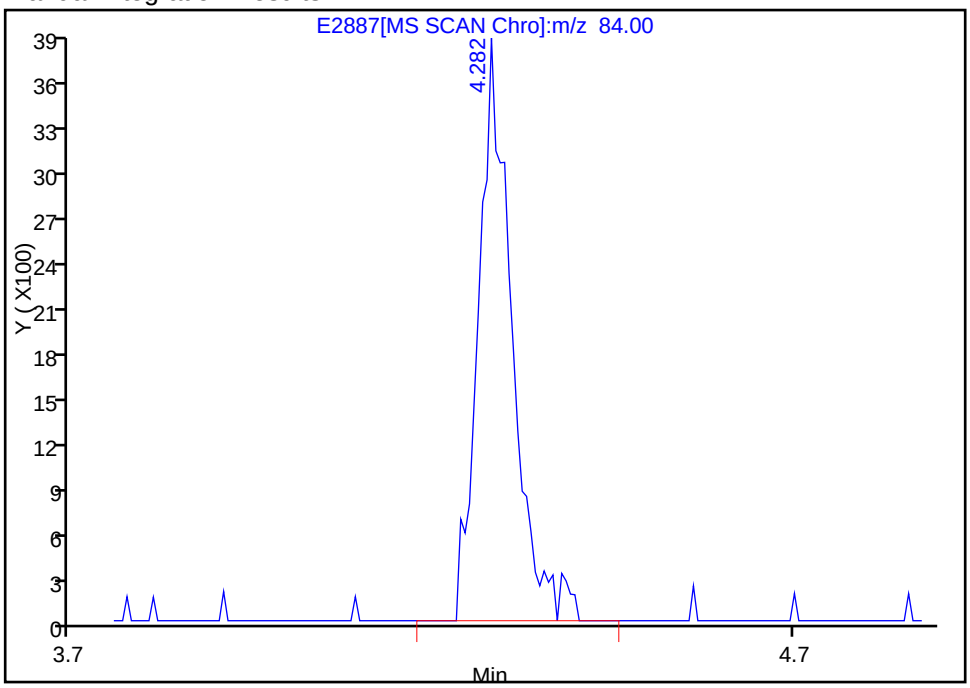
Processing Integration Results

RT: 4.28
Response: 5537
Amount: 0.693575



Manual Integration Results

RT: 4.28
Response: 12402
Amount: 1.553498



Reviewer: hobartw, 23-Aug-2011 09:27:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

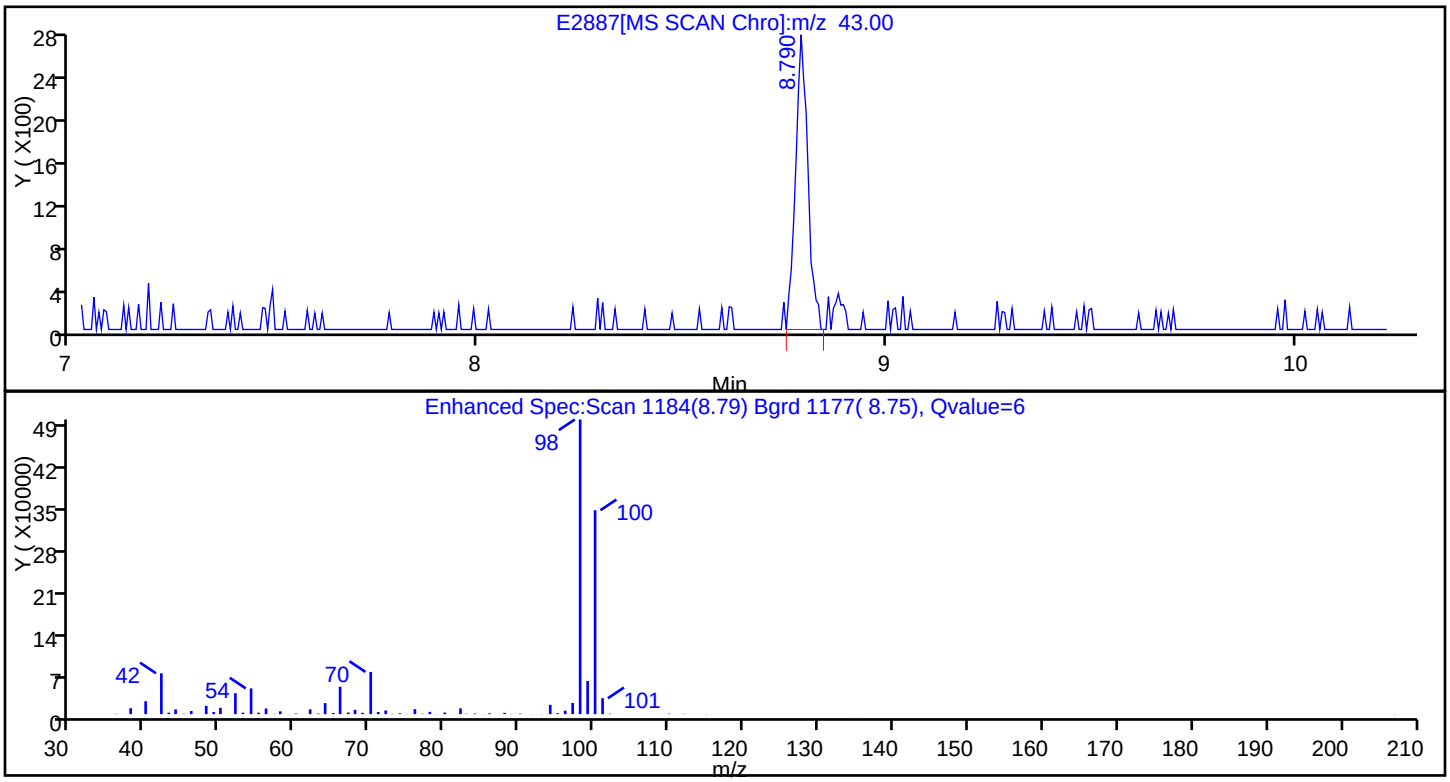
Report Date: 23-Aug-2011 09:27:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2887.D		
Injection Date:	23-Aug-2011 07:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	8
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	5698	1.084109
8.79	58.00	10941	
8.80	85.00	320	

Reviewer: hobartw, 23-Aug-2011 09:27:23

Audit Action: Marked Compound Undetected

Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 510-85489/5

Matrix: Water Lab File ID: A2104.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 40(mL) Date Analyzed: 08/23/2011 10:25

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.: 85489 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	<0.010		0.010	0.0010
107-02-8	Acrolein	<0.16		0.16	0.0015
67-64-1	Acetone	<0.010		0.010	0.0030
75-15-0	Carbon disulfide	<0.0050		0.0050	0.00090
75-00-3	Chloroethane	<0.010		0.010	0.00065
74-87-3	Chloromethane	<0.010		0.010	0.00050
75-35-4	1,1-Dichlorethylene	<0.0050		0.0050	0.00078
156-59-2	cis-1,2-Dichloroethylene	<0.0050		0.0050	0.00050
67-66-3	Chloroform	<0.0050		0.0050	0.00054
75-34-3	1,1-Dichloroethane	<0.0050		0.0050	0.00050
110-82-7	Cyclohexane	<0.0050		0.0050	0.00082
107-06-2	1,2-Dichloroethane	<0.0050		0.0050	0.00050
56-23-5	Carbon tetrachloride	<0.0050		0.0050	0.00050
71-43-2	Benzene	<0.0050		0.0050	0.00023
74-88-4	Iodomethane	<0.0050		0.0050	0.00067
78-87-5	1,2-Dichloropropane	<0.0050		0.0050	0.00050
75-27-4	Bromodichloromethane	<0.0050		0.0050	0.00061
79-20-9	Methyl acetate	<0.0050		0.0050	0.00060
10061-01-5	cis-1,3-Dichloropropene	<0.0050		0.0050	0.00050
108-87-2	Methylcyclohexane	<0.0050		0.0050	0.00059
75-09-2	Methylene Chloride	<0.0050		0.0050	0.00050
78-93-3	Methyl ethyl ketone (MEK)	<0.010		0.010	0.0023
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.010		0.010	0.00054
1634-04-4	Methyl tert-butyl ether	<0.0050		0.0050	0.00050
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.010		0.010	0.00065
124-48-1	Chlorodibromomethane	<0.0050		0.0050	0.00050
110-54-3	n-Hexane	<0.0050		0.0050	0.0011
106-93-4	1,2-Dibromoethane	<0.0050		0.0050	0.00053
108-90-7	Chlorobenzene	<0.0050		0.0050	0.00050
630-20-6	1,1,1,2-Tetrachloroethane	<0.0050		0.0050	0.00072
100-41-4	Ethylbenzene	<0.0050		0.0050	0.00069
127-18-4	Tetrachloroethylene	<0.0050		0.0050	0.00024
108-88-3	Toluene	<0.0050		0.0050	0.00050
100-42-5	Styrene	<0.0050		0.0050	0.00050
75-25-2	Bromoform	<0.0050		0.0050	0.00086
156-60-5	trans-1,2-Dichloroethylene	<0.0050		0.0050	0.00067

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-85489/5

Matrix: Water | Lab File ID: A2104.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 40(mL) | Date Analyzed: 08/23/2011 10:25

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.: 85489 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	<0.0050		0.0050	0.00050
10061-02-6	trans-1,3-Dichloropropene	<0.0050		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	<0.0050		0.0050	0.00065
79-34-5	1,1,2,2-Tetrachloroethane	<0.0050		0.0050	0.0010
79-00-5	1,1,2-Trichloroethane	<0.0050		0.0050	0.00052
103-65-1	n-Propylbenzene	<0.0050		0.0050	0.00072
79-01-6	Trichloroethene	<0.0050		0.0050	0.00050
75-69-4	Trichlorofluoromethane	<0.0050		0.0050	0.00050
95-63-6	1,2,4-Trimethylbenzene	<0.0050		0.0050	0.00050
108-67-8	1,3,5-Trimethylbenzene	<0.0050		0.0050	0.00050
108-05-4	Vinyl acetate	<0.0050		0.0050	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.010		0.010	0.00064
75-01-4	Vinyl chloride	<0.0020		0.0020	0.00050
141-78-6	Ethyl acetate	<0.0050		0.0050	0.00051
1330-20-7	Xylenes, Total	<0.010		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		81-126
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	93		77-132

Report Date: 23-Aug-2011 11:28:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2104.D
Lims ID: MB Client ID:
Inject. Date: 23-Aug-2011 10:25:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 510-0005426-005 =510-0005426-005
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 85489 Lims Sample ID: 5
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110823-5426.b\VMSB-8260.m
Last Update: 23-Aug-2011 09:37:02 Calib Date: 17-Aug-2011 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 23-Aug-2011 11:28:56

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.613	0.001	99	815580	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.807	0.001	83	324949	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.545	0.0	93	261356	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.273	0.0	0	197493	49.6	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	92	771865	49.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.164	0.0	93	277022	46.3	
22 Acetone	43	2.876	2.876	0.0	79	7797	1.83	
84 tert-Butylbenzene	119	11.077	11.082	-0.005	41	3352	0.3148	
86 sec-Butylbenzene	105	11.351	11.350	0.001	40	10290	0.7458	
88 4-Isopropyltoluene	119	11.533	11.526	0.007	37	8579	0.7245	
99 1,2,3-Trimethylbenzene	105	11.655	11.648	0.007	0	181	0.0141	
90 n-Butylbenzene	91	12.026	12.025	0.001	85	12885	1.28	
93 1,2,4-Trichlorobenzene	180	13.997	13.996	0.001	49	7002	2.17	
94 Hexachlorobutadiene	225	14.228	14.227	0.001	56	5413	3.22	
96 1,2,3-Trichlorobenzene	180	14.593	14.593	0.001	57	6426	3.15	

Report Date: 23-Aug-2011 11:28:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2104.D

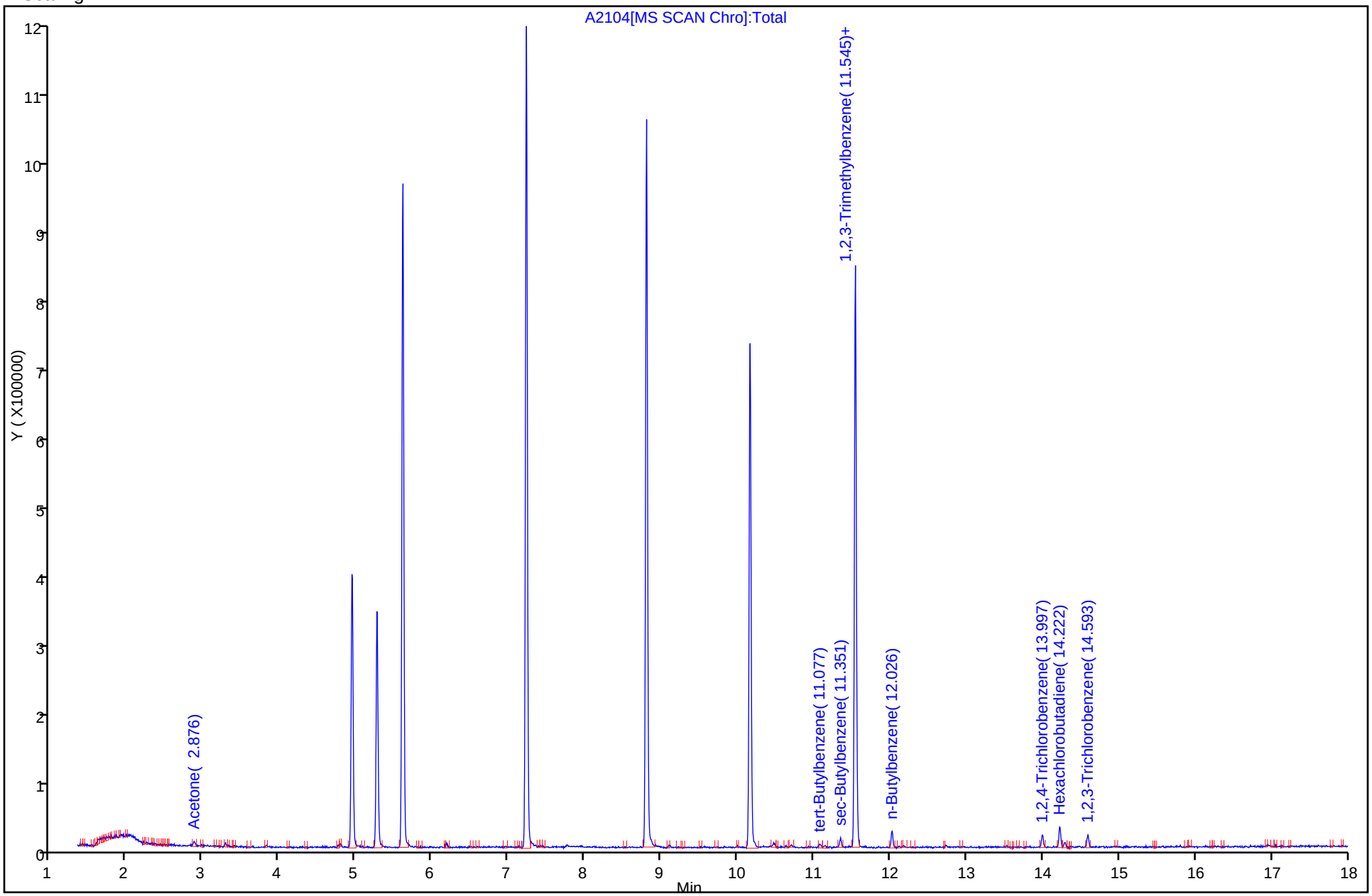
Injection Date: 23-Aug-2011 10:25:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 85489 Lims Sample ID: 5

Operator ID: JLH

Y Scaling:



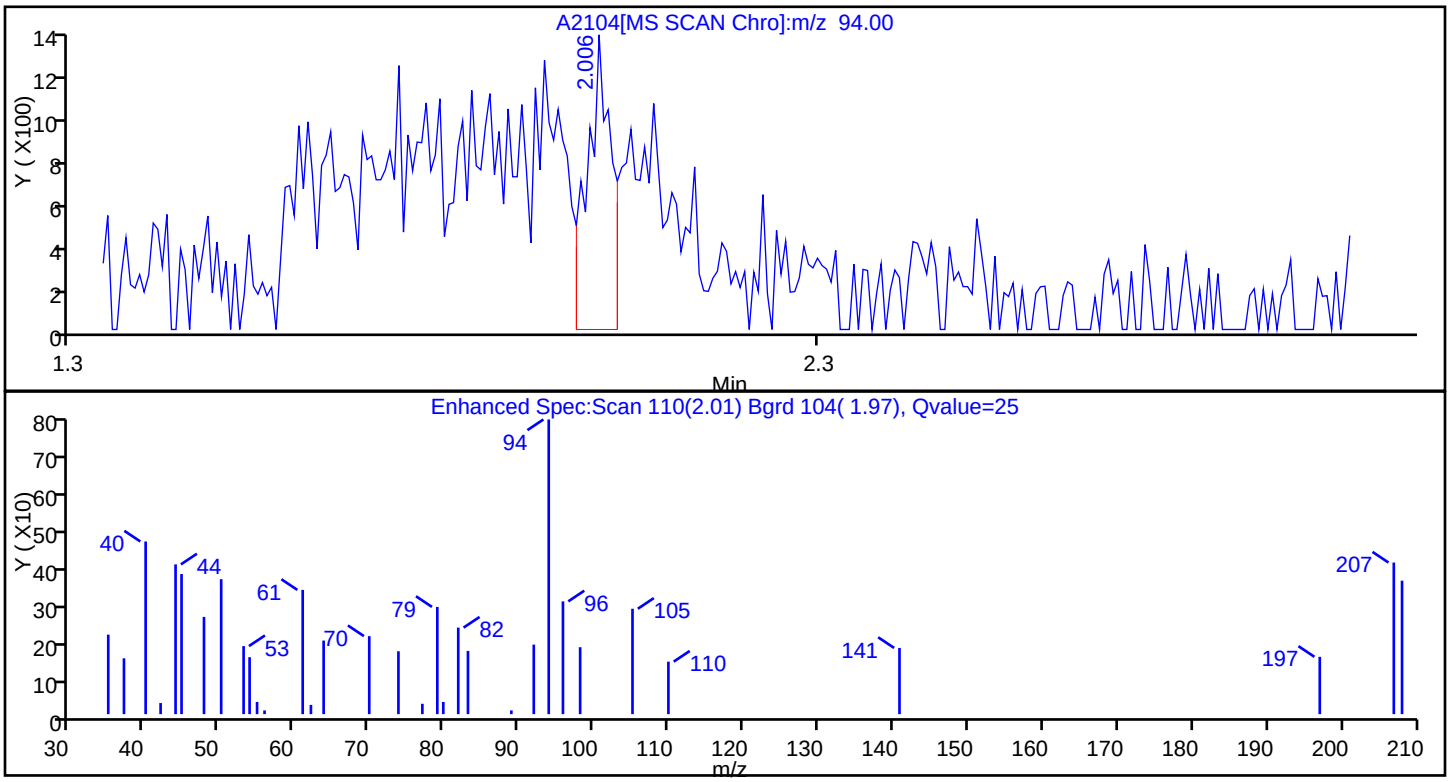
Report Date: 23-Aug-2011 11:28:56 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110823-5426.b\A2104.D		
Injection Date:	23-Aug-2011 10:25:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85489	Lims Sample ID:	5
Operator ID:	JLH		

15 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.01	94.00	3020	6.519981
2.02	96.00	397	

Reviewer: hallj, 23-Aug-2011 11:28:56
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 510-85568/15

Matrix: Water Lab File ID: A2154.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 40(mL) Date Analyzed: 08/24/2011 19:06

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.: 85568 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-36-3	n-Butanol	<0.10		0.10	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		81-126
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	96		77-132

Report Date: 24-Aug-2011 19:33:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

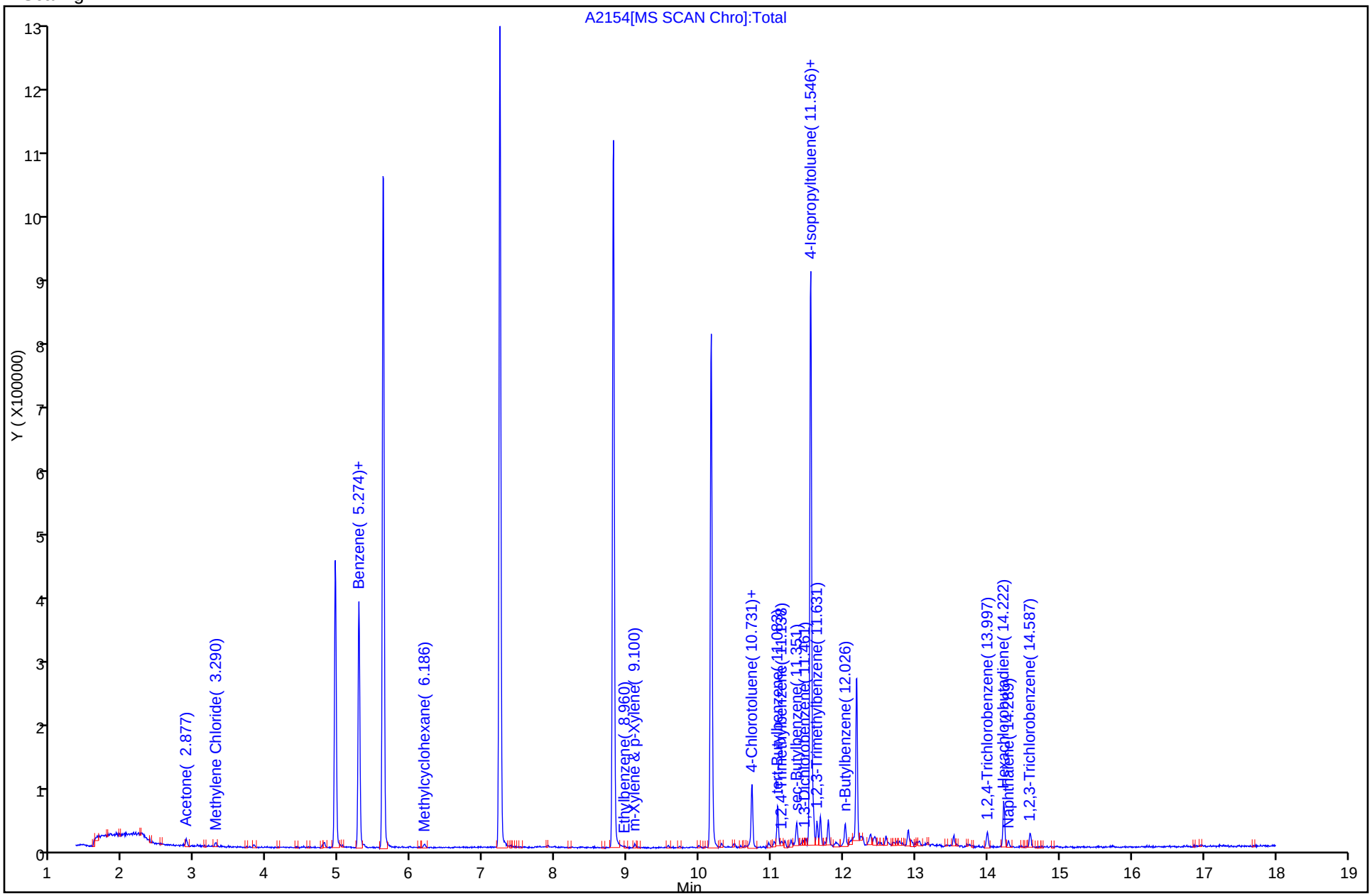
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2154.D
Lims ID: MB Client ID:
Inject. Date: 24-Aug-2011 19:06:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.: 510-0005435-015 =510-0005435-015
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 38
Lims Batch ID: 85568 Lims Sample ID: 15
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:56:31 Calib Date: 24-Aug-2011 16:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 19:33:59

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.614	5.614	0.0	99	928853	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.807	0.001	80	345289	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.545	0.001	93	287197	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.274	5.273	0.001	0	226060	51.1	
$ 7 Toluene-d8 (Surr)	98	7.233	7.232	0.001	92	852062	49.3	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.164	0.001	92	304091	47.9	
22 Acetone	43	2.877	2.876	0.001	89	10995	0.8853	
26 Methylene Chloride	84	3.284	3.284	0.0	61	2832	0.5983	
47 Benzene	78	5.347	5.340	0.007	16	1610	0.2847	
52 Methylcyclohexane	83	6.180	6.185	-0.005	46	2889	0.7703	
70 Ethylbenzene	91	8.979	8.972	0.007	1	964	0.4239	
71 m-Xylene & p-Xylene	91	9.112	9.105	0.007	0	3273	0.2205	
82 1,3,5-Trimethylbenzene	105	10.700	10.693	0.007	18	3038	0.2795	
83 4-Chlorotoluene	91	10.706	10.699	0.007	4	2783	0.99	
84 tert-Butylbenzene	119	11.083	11.083	0.0	36	4272	0.4259	
85 1,2,4-Trimethylbenzene	105	11.138	11.137	0.001	3	3501	0.3065	
86 sec-Butylbenzene	105	11.351	11.350	0.001	62	12272	0.2030	
87 1,3-Dichlorobenzene	146	11.461	11.466	-0.005	1	1656	0.2169	
88 4-Isopropyltoluene	119	11.527	11.527	0.0	43	11104	1.01	
99 1,2,3-Trimethylbenzene	105	11.637	11.648	-0.011	0	1107	0.0927	
90 n-Butylbenzene	91	12.020	12.025	-0.005	81	16222	0.7801	
93 1,2,4-Trichlorobenzene	180	13.997	13.997	0.0	65	8652	2.87	
94 Hexachlorobutadiene	225	14.229	14.228	0.001	81	14111	6.85	
95 Naphthalene	128	14.289	14.289	0.0	72	8836	1.53	
96 1,2,3-Trichlorobenzene	180	14.594	14.593	0.001	73	8162	6.00	
S 98 Xylenes, Total	100				0		0.2205	

Report Date: 24-Aug-2011 19:33:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2154.D
Injection Date: 24-Aug-2011 19:06:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 15
Operator ID: JLH
Y Scaling:



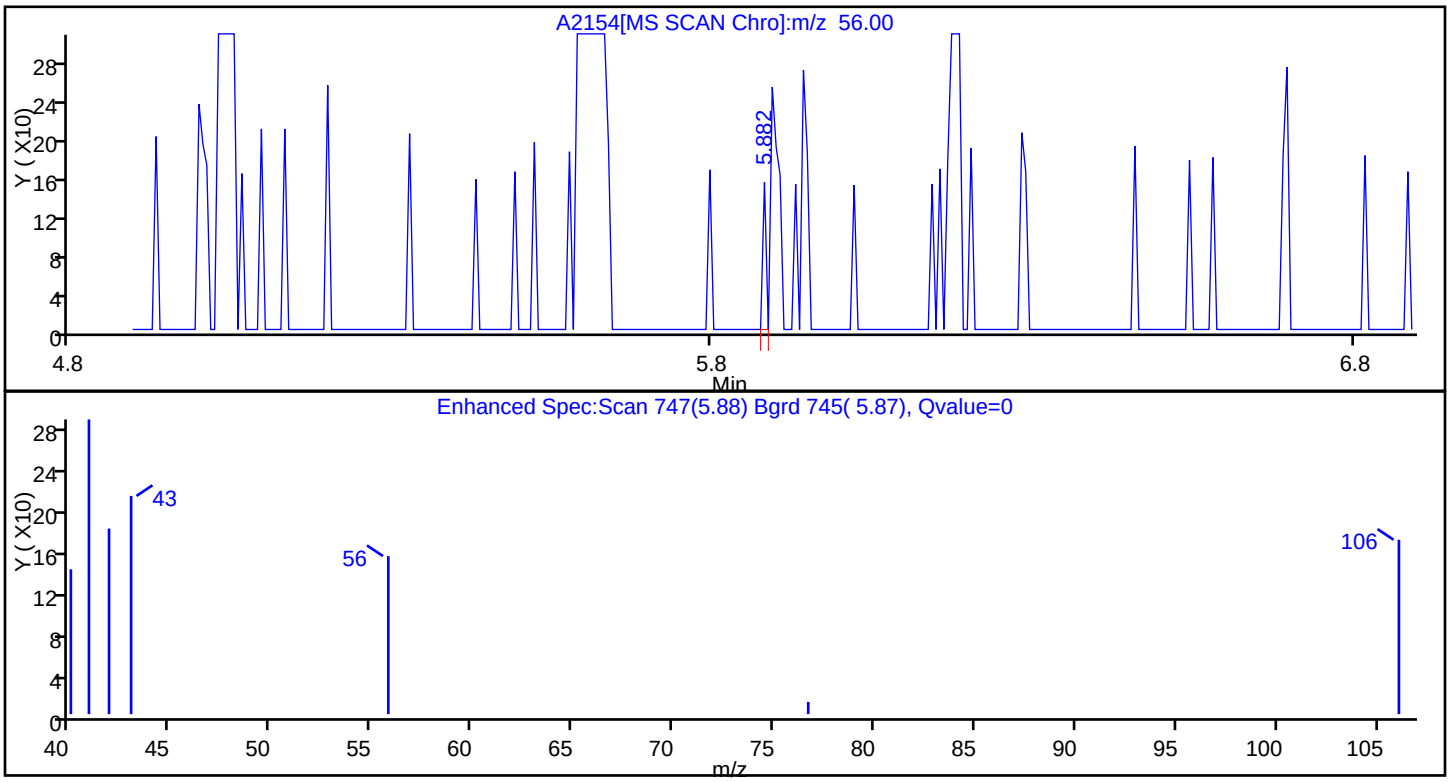
Report Date: 24-Aug-2011 19:33:59 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110824-5435.b\A2154.D		
Injection Date:	24-Aug-2011 19:06:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	85568	Lims Sample ID:	15
Operator ID:	JLH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
5.88	56.00	57	122.0392
5.88	41.00	259	
5.88	43.00	177	

Reviewer: hallj, 24-Aug-2011 19:33:59
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-85487/6

Matrix: Solid | Lab File ID: E2885.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/23/2011 06:33

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.0431		0.0050	0.0018
67-64-1	Acetone	0.0882		0.010	0.0020
75-15-0	Carbon disulfide	0.0569		0.0050	0.0013
75-00-3	Chloroethane	0.0445		0.0050	0.0017
74-87-3	Chloromethane	0.0437		0.0050	0.0014
75-35-4	1,1-Dichlorethylene	0.0516		0.0050	0.0017
156-59-2	cis-1,2-Dichloroethylene	0.0494		0.0050	0.0012
67-66-3	Chloroform	0.0606		0.0050	0.0010
75-34-3	1,1-Dichloroethane	0.0534		0.0050	0.0016
110-82-7	Cyclohexane	0.0664		0.0050	0.0016
107-06-2	1,2-Dichloroethane	0.0559		0.0050	0.00097
56-23-5	Carbon tetrachloride	0.0568		0.0050	0.0011
71-43-2	Benzene	0.0480		0.0050	0.0011
74-88-4	Iodomethane	0.0527		0.010	0.0037
78-87-5	1,2-Dichloropropane	0.0508		0.0050	0.00086
75-27-4	Bromodichloromethane	0.0542		0.0050	0.00050
79-20-9	Methyl acetate	0.0425		0.0050	0.00074
10061-01-5	cis-1,3-Dichloropropene	0.0554		0.0050	0.00050
108-87-2	Methylcyclohexane	0.0600		0.0050	0.0012
75-09-2	Methylene Chloride	0.0495		0.0050	0.0013
78-93-3	Methyl ethyl ketone (MEK)	0.0668		0.010	0.00083
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0523		0.010	0.00050
1634-04-4	Methyl tert-butyl ether	0.0498		0.0050	0.00085
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0644		0.010	0.00079
71-36-3	n-Butanol	<0.10		0.10	0.015
124-48-1	Chlorodibromomethane	0.0511		0.0050	0.00050
110-54-3	n-Hexane	0.0712		0.0050	0.0020
106-93-4	1,2-Dibromoethane	0.0507		0.0050	0.00050
108-90-7	Chlorobenzene	0.0596		0.0050	0.00067
630-20-6	1,1,1,2-Tetrachloroethane	0.0626		0.0050	0.00069
100-41-4	Ethylbenzene	0.0610		0.0050	0.00077
127-18-4	Tetrachloroethylene	0.0516		0.0050	0.0011
108-88-3	Toluene	0.0500		0.0050	0.0011
100-42-5	Styrene	0.0649		0.0050	0.00067
75-25-2	Bromoform	0.0617		0.0050	0.0014
156-60-5	trans-1,2-Dichloroethylene	0.0517		0.0050	0.0017

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-85487/6

Matrix: Solid | Lab File ID: E2885.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/23/2011 06:33

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.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	0.0640		0.0050	0.00074
10061-02-6	trans-1,3-Dichloropropene	0.0558		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	0.0556		0.0050	0.0011
79-34-5	1,1,2,2-Tetrachloroethane	0.0620		0.0050	0.0011
79-00-5	1,1,2-Trichloroethane	0.0502		0.0050	0.00069
103-65-1	n-Propylbenzene	0.0663		0.0050	0.0020
79-01-6	Trichloroethene	0.0475		0.0050	0.0012
75-69-4	Trichlorofluoromethane	0.0471		0.0050	0.0017
95-63-6	1,2,4-Trimethylbenzene	0.0655		0.0050	0.0020
108-67-8	1,3,5-Trimethylbenzene	0.0651		0.0050	0.00074
108-05-4	Vinyl acetate	0.113		0.0050	0.0013
542-75-6	1,3-Dichloropropene, Total	0.111		0.010	
75-01-4	Vinyl chloride	0.0449		0.0050	0.0022
1330-20-7	Xylenes, Total	0.193		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	119		76-137
2037-26-5	Toluene-d8 (Surr)	93		70-130
460-00-4	4-Bromofluorobenzene (Surr)	103		50-150

Report Date: 23-Aug-2011 08:00:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2885.D
Lims ID: lcs Client ID:
Inject. Date: 23-Aug-2011 06:33:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 510-0005425-006 =510-0005425-006
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 85487 Lims Sample ID: 6
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 07:16:53 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 23-Aug-2011 08:00:52

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.922	6.919	0.003	97	1466124	50.0	
* 2 Chlorobenzene-d5	117	10.657	10.655	0.002	86	988957	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.921	-0.003	76	540910	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	438788	59.7	
$ 6 Toluene-d8 (Surr)	98	8.789	8.793	-0.004	94	1388331	46.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.261	0.002	84	556798	51.7	
8 Dichlorodifluoromethane	85	2.122	2.107	0.015	87	628175	40.0	
9 Chloromethane	50	2.323	2.314	0.009	89	419894	43.7	
10 Vinyl chloride	62	2.444	2.442	0.002	79	532983	44.9	
11 Bromomethane	94	2.828	2.789	0.039	94	143732	43.1	
12 Chloroethane	64	2.943	2.916	0.027	94	377525	44.5	
13 Trichlorofluoromethane	101	3.205	3.190	0.015	79	862665	47.1	
16 1,1-Dichloroethene	96	3.764	3.762	0.002	89	471766	51.6	
18 Acetone	58	3.813	3.811	0.002	97	84557	88.2	
19 Iodomethane	142	3.935	3.932	0.003	97	316154	52.7	
20 Carbon disulfide	76	4.008	4.005	0.003	100	1511373	56.9	
21 Methyl acetate	43	4.166	4.164	0.002	96	321857	42.5	
22 Methylene Chloride	84	4.288	4.279	0.009	81	459170	49.5	
23 2-Methyl-2-propanol	59	4.391	4.395	-0.004	94	195747	226.9	
24 Acrylonitrile	53	4.531	4.529	0.002	98	112697	55.6	
25 trans-1,2-Dichloroethene	96	4.574	4.571	0.003	77	526644	51.7	
26 Methyl tert-butyl ether	73	4.574	4.571	0.003	96	1139773	49.8	
27 Hexane	57	4.866	4.863	0.003	94	730657	71.2	
28 1,1-Dichloroethane	63	5.018	5.015	0.003	85	922747	53.4	
29 Vinyl acetate	43	5.066	5.076	-0.010	98	1721746	113.2	
30 Isopropyl ether	45	5.091	5.088	0.003	0	1327330	50.9	M
31 Tert-butyl ethyl ether	59	5.474	5.478	-0.004	90	1117444	49.9	
32 cis-1,2-Dichloroethene	96	5.638	5.636	0.002	87	576898	49.4	
33 2,2-Dichloropropane	77	5.644	5.648	-0.004	79	906507	59.3	
34 2-Butanone (MEK)	72	5.650	5.648	0.002	47	88804	66.8	
93 Propionitrile	54	5.711	5.709	0.002	0	42817	53.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
35 Chlorobromomethane	130	5.900	5.897	0.003	92	279437	47.7	
95 Tetrahydrofuran	42	5.961	5.964	-0.003	0	96410	57.8	
36 Chloroform	83	5.979	5.976	0.003	69	993640	60.6	
37 1,1,1-Trichloroethane	97	6.204	6.195	0.009	91	916417	55.6	
38 Cyclohexane	84	6.271	6.268	0.003	87	993388	66.4	
39 1,1-Dichloropropene	75	6.380	6.378	0.002	91	880202	56.3	
40 Carbon tetrachloride	117	6.386	6.390	-0.004	74	817406	56.8	
41 Benzene	78	6.618	6.615	0.003	93	2031419	48.0	
42 1,2-Dichloroethane	62	6.624	6.621	0.003	55	670982	55.9	
43 Isobutyl alcohol	41	6.721	6.725	-0.004	40	169435	53.3	
44 Tert-amyl methyl ether	73	6.727	6.725	0.002	95	1155519	50.8	
102 n-Butanol	56	7.226	7.224	0.002	0	6478	33.5	
45 Trichloroethene	132	7.342	7.339	0.003	91	529449	47.5	
46 Methylcyclohexane	83	7.573	7.570	0.003	92	1130672	60.0	
47 1,2-Dichloropropane	63	7.597	7.601	-0.004	0	526090	50.8	M
48 Dibromomethane	93	7.737	7.735	0.002	86	262932	52.0	
49 Dichlorobromomethane	83	7.913	7.911	0.002	98	693542	54.2	
50 2-Chloroethyl vinyl ether	63	8.260	8.258	0.002	89	56598	108.1	
54 cis-1,3-Dichloropropene	75	8.449	8.452	-0.003	92	752212	55.4	
52 4-Methyl-2-pentanone (MIBK)	43	8.631	8.629	0.002	97	319188	52.3	
53 Toluene	91	8.875	8.872	0.003	82	2157917	50.0	
51 trans-1,3-Dichloropropene	75	9.130	9.134	-0.004	90	648680	55.8	
55 Ethyl methacrylate	69	9.240	9.237	0.003	77	623527	55.2	
56 1,1,2-Trichloroethane	83	9.367	9.365	0.002	95	331247	50.2	
57 Tetrachloroethene	164	9.574	9.572	0.002	86	461013	51.6	
58 1,3-Dichloropropane	76	9.586	9.584	0.002	90	713357	52.1	
59 2-Hexanone	43	9.684	9.681	0.003	94	314346	64.4	
60 Chlorodibromomethane	129	9.884	9.882	0.002	86	403078	51.1	
61 Ethylene Dibromide	107	10.043	10.040	0.003	98	344934	50.7	
62 Chlorobenzene	112	10.694	10.691	0.003	94	1330828	59.6	
63 1,1,1,2-Tetrachloroethane	131	10.797	10.795	0.002	85	487393	62.6	
64 Ethylbenzene	91	10.833	10.837	-0.004	97	2405248	61.0	
65 m-Xylene & p-Xylene	91	10.992	10.995	-0.003	0	3516659	131.7	
66 o-Xylene	91	11.539	11.537	0.002	88	1932305	60.9	
67 Styrene	104	11.557	11.555	0.002	87	1516371	64.9	
68 Bromoform	173	11.807	11.811	-0.003	94	235246	61.7	
69 Isopropylbenzene	105	12.050	12.048	0.002	95	2256459	64.0	
71 1,1,2,2-Tetrachloroethane	83	12.452	12.455	-0.003	90	482252	62.0	
70 Bromobenzene	156	12.482	12.480	0.002	90	540120	60.0	
72 1,2,3-Trichloropropane	75	12.525	12.522	0.003	87	641843	67.2	
73 trans-1,4-Dichloro-2-butene	53	12.543	12.541	0.002	48	134133	73.3	
74 N-Propylbenzene	91	12.628	12.632	-0.004	94	2872890	66.3	
75 2-Chlorotoluene	91	12.756	12.753	0.003	96	1767666	66.7	
76 1,3,5-Trimethylbenzene	105	12.884	12.881	0.003	20	2059382	65.1	M
77 4-Chlorotoluene	91	12.908	12.906	0.002	90	2106963	68.2	
78 tert-Butylbenzene	119	13.352	13.350	0.002	89	1778217	65.6	
80 1,2,4-Trimethylbenzene	105	13.419	13.423	-0.004	64	2077437	65.5	
81 sec-Butylbenzene	105	13.668	13.666	0.002	96	2568216	63.6	
82 1,3-Dichlorobenzene	146	13.827	13.824	0.003	93	1054779	62.3	
79 4-Isopropyltoluene	119	13.881	13.879	0.002	85	2207013	65.5	
83 1,4-Dichlorobenzene	146	13.954	13.952	0.002	84	1055845	71.4	
84 n-Butylbenzene	91	14.477	14.475	0.002	93	2076485	63.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
85 1,2-Dichlorobenzene	146	14.496	14.493	0.003	91	946457	71.4	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.637	-0.004	63	80100	60.0	
87 1,2,4-Trichlorobenzene	180	16.868	16.866	0.002	89	634370	62.8	
88 Hexachlorobutadiene	225	17.124	17.127	-0.003	95	464488	60.1	
89 Naphthalene	128	17.227	17.231	-0.004	98	1229851	64.6	
90 1,2,3-Trichlorobenzene	180	17.586	17.590	-0.004	91	605941	63.8	
S 91 Xylenes, Total	100				0		192.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 08:00:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2885.D

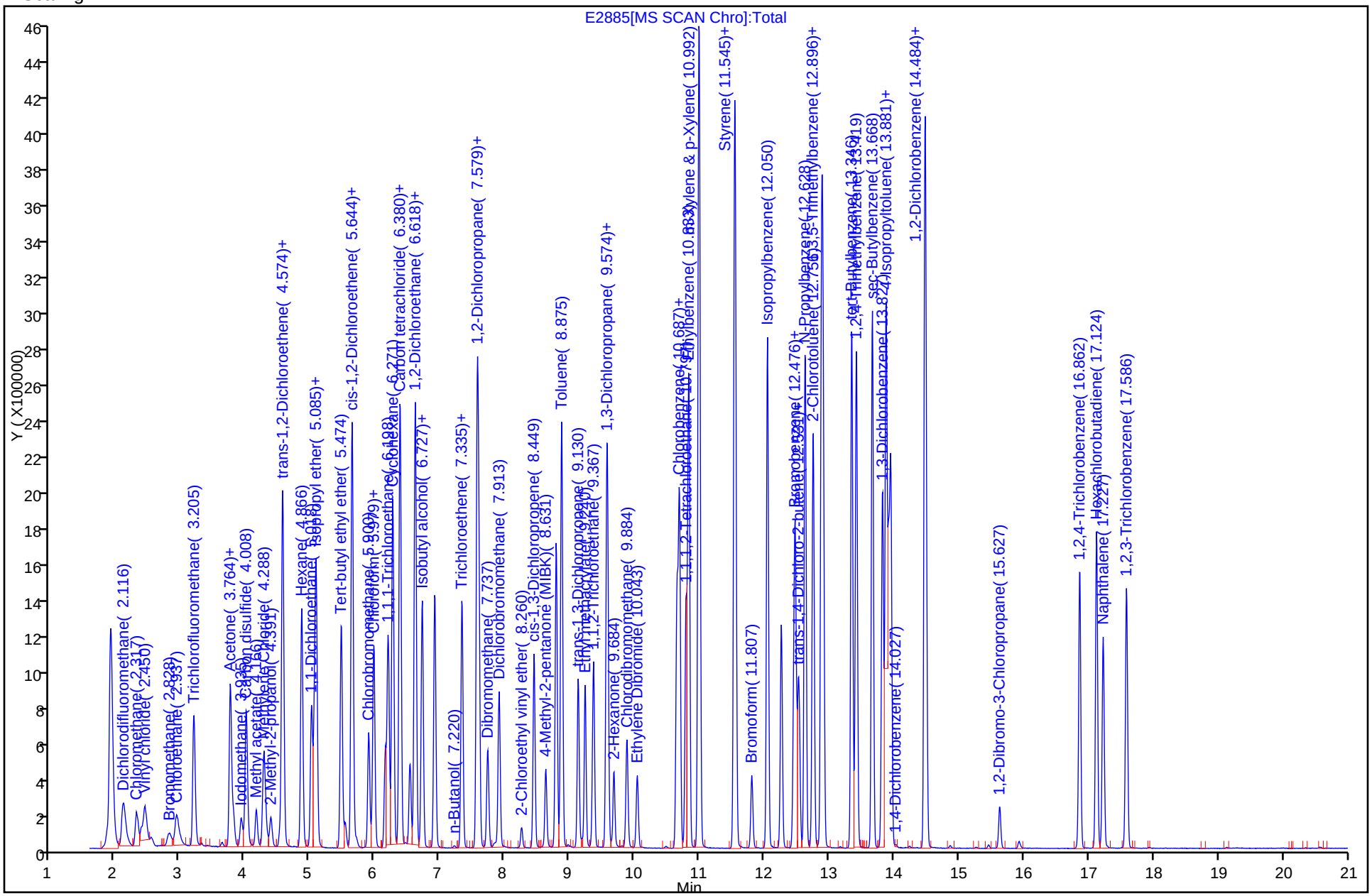
Injection Date: 23-Aug-2011 06:33:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 6

Operator ID: WH

Y Scaling:



Report Date: 23-Aug-2011 08:00:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2885.D

Injection Date: 23-Aug-2011 06:33:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 85487 Lims Sample ID: 6

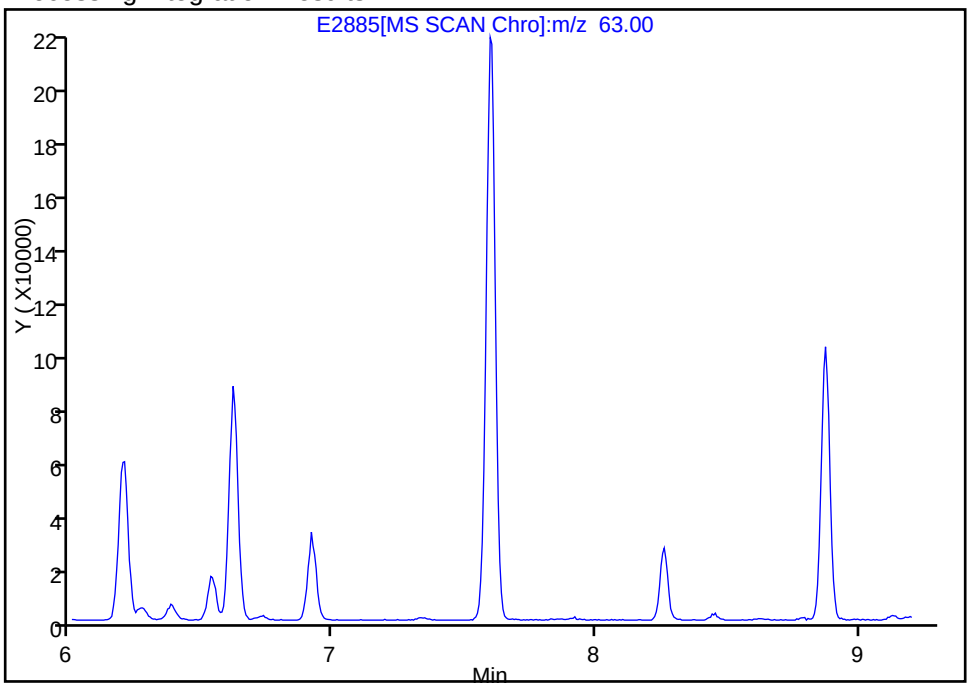
Operator ID: WH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

Not Detected

Expected RT: 7.60

Processing Integration Results

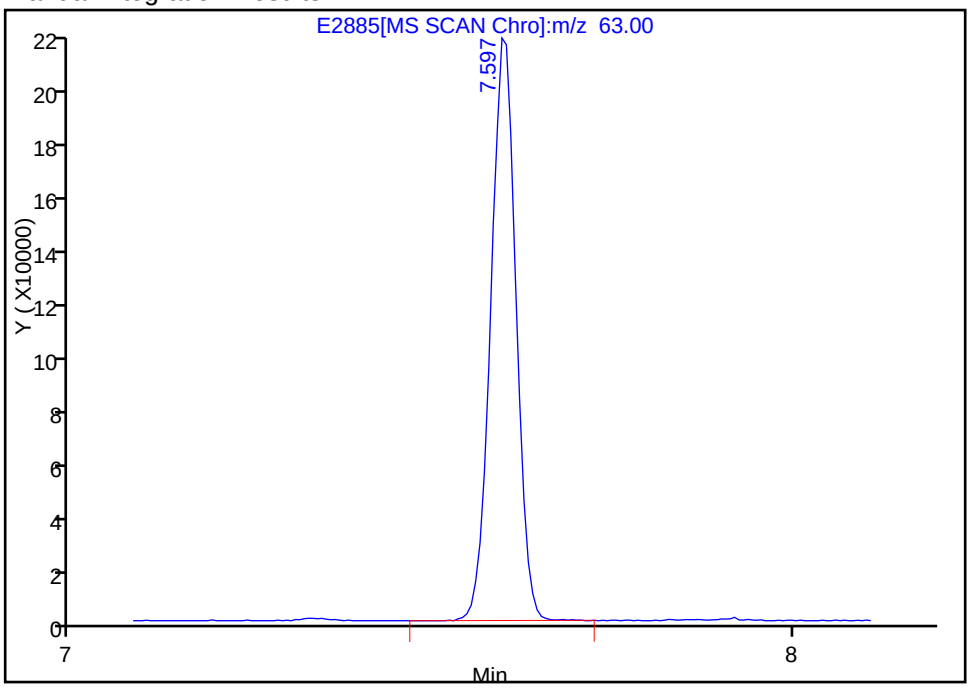


Manual Integration Results

RT: 7.60

Response: 526090

Amount: 50.758531



Reviewer: hobartw, 23-Aug-2011 08:00:52

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 23-Aug-2011 08:00:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

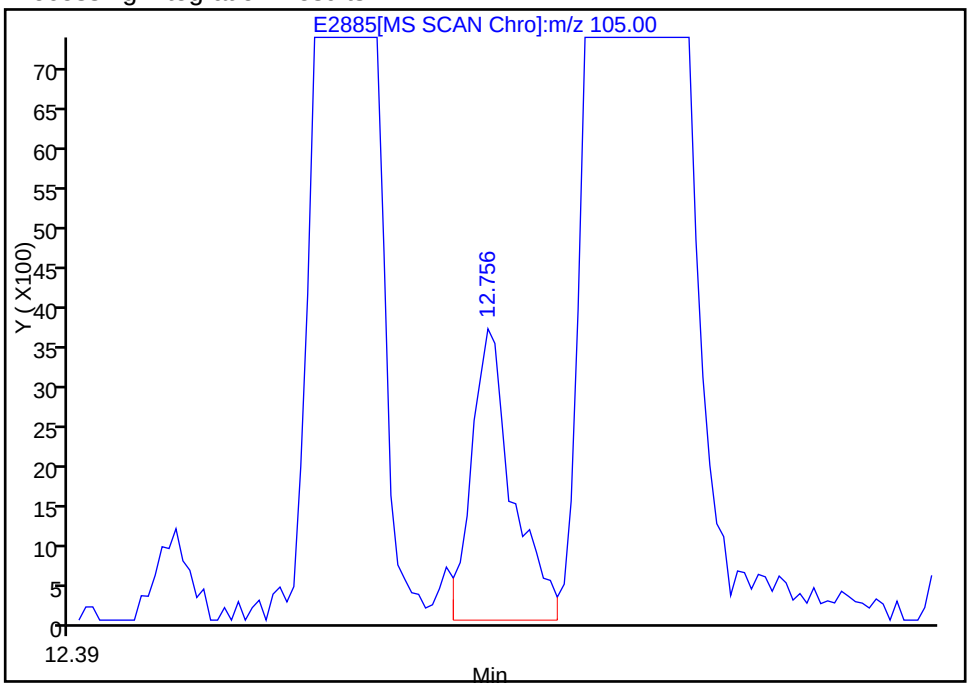
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2885.D		
Injection Date:	23-Aug-2011 06:33:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	6
Operator ID:	WH		

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

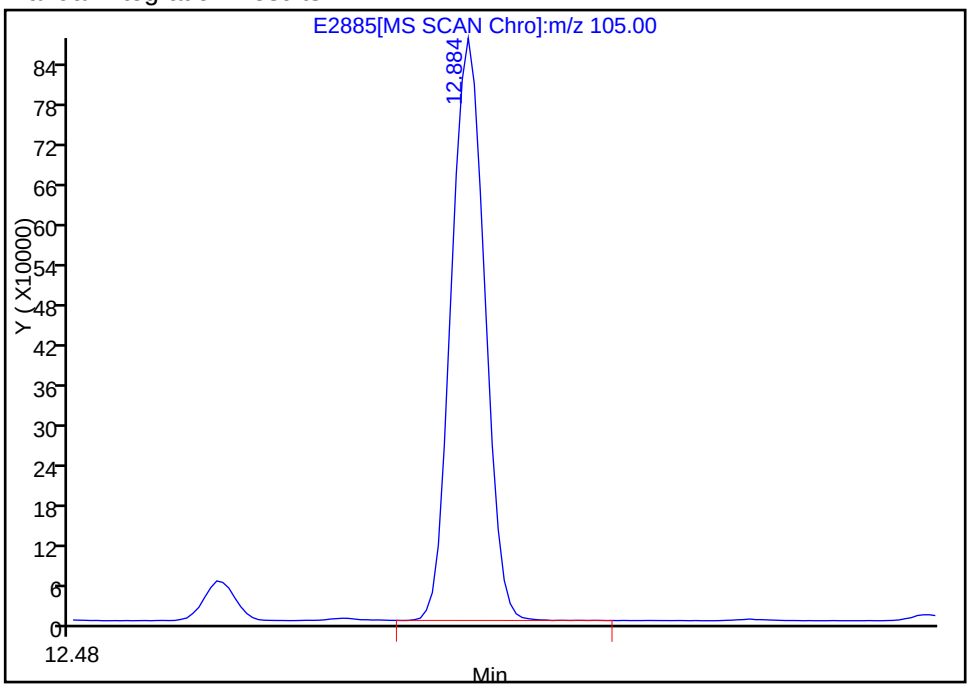
Processing Integration Results

RT: 12.76
Response: 9200
Amount: 0.580812



Manual Integration Results

RT: 12.88
Response: 2059382
Amount: 65.050321



Reviewer: hobartw, 23-Aug-2011 08:00:52
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 510-85489/3

Matrix: Water Lab File ID: A2102.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 40(mL) Date Analyzed: 08/23/2011 09:15

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.: 85489 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.0490		0.010	0.0010
67-64-1	Acetone	0.0425		0.010	0.0030
75-15-0	Carbon disulfide	0.0536		0.0050	0.00090
75-00-3	Chloroethane	0.0571		0.010	0.00065
74-87-3	Chloromethane	0.0471		0.010	0.00050
75-35-4	1,1-Dichlorethylene	0.0527		0.0050	0.00078
156-59-2	cis-1,2-Dichloroethylene	0.0511		0.0050	0.00050
67-66-3	Chloroform	0.0568		0.0050	0.00054
75-34-3	1,1-Dichloroethane	0.0516		0.0050	0.00050
110-82-7	Cyclohexane	0.0719		0.0050	0.00082
107-06-2	1,2-Dichloroethane	0.0490		0.0050	0.00050
56-23-5	Carbon tetrachloride	0.0507		0.0050	0.00050
71-43-2	Benzene	0.0578		0.0050	0.00023
74-88-4	Iodomethane	0.0615		0.0050	0.00067
78-87-5	1,2-Dichloropropane	0.0508		0.0050	0.00050
75-27-4	Bromodichloromethane	0.0472		0.0050	0.00061
79-20-9	Methyl acetate	0.0439		0.0050	0.00060
10061-01-5	cis-1,3-Dichloropropene	0.0501		0.0050	0.00050
108-87-2	Methylcyclohexane	0.0601		0.0050	0.00059
75-09-2	Methylene Chloride	0.0554		0.0050	0.00050
78-93-3	Methyl ethyl ketone (MEK)	0.0381		0.010	0.0023
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0427		0.010	0.00054
1634-04-4	Methyl tert-butyl ether	0.0481		0.0050	0.00050
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0384		0.010	0.00065
124-48-1	Chlorodibromomethane	0.0445		0.0050	0.00050
110-54-3	n-Hexane	0.0711		0.0050	0.0011
106-93-4	1,2-Dibromoethane	0.0493		0.0050	0.00053
108-90-7	Chlorobenzene	0.0500		0.0050	0.00050
630-20-6	1,1,1,2-Tetrachloroethane	0.0492		0.0050	0.00072
100-41-4	Ethylbenzene	0.0572		0.0050	0.00069
127-18-4	Tetrachloroethylene	0.0526		0.0050	0.00024
108-88-3	Toluene	0.0571		0.0050	0.00050
100-42-5	Styrene	0.0500		0.0050	0.00050
75-25-2	Bromoform	0.0393		0.0050	0.00086
156-60-5	trans-1,2-Dichloroethylene	0.0504		0.0050	0.00067
98-82-8	Isopropylbenzene	0.0497		0.0050	0.00050

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-85489/3

Matrix: Water | Lab File ID: A2102.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 40(mL) | Date Analyzed: 08/23/2011 09:15

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.: 85489 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
10061-02-6	trans-1,3-Dichloropropene	0.0467		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	0.0500		0.0050	0.00065
79-34-5	1,1,2,2-Tetrachloroethane	0.0452		0.0050	0.0010
79-00-5	1,1,2-Trichloroethane	0.0495		0.0050	0.00052
103-65-1	n-Propylbenzene	0.0479		0.0050	0.00072
79-01-6	Trichloroethene	0.0513		0.0050	0.00050
75-69-4	Trichlorofluoromethane	0.0570		0.0050	0.00050
95-63-6	1,2,4-Trimethylbenzene	0.0476		0.0050	0.00050
108-67-8	1,3,5-Trimethylbenzene	0.0477		0.0050	0.00050
108-05-4	Vinyl acetate	0.0978		0.0050	0.0011
542-75-6	1,3-Dichloropropene, Total	0.0968		0.010	0.00064
75-01-4	Vinyl chloride	0.0516		0.0020	0.00050
1330-20-7	Xylenes, Total	0.154		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		81-126
2037-26-5	Toluene-d8 (Surr)	101		89-108
460-00-4	4-Bromofluorobenzene (Surr)	96		77-132

Report Date: 23-Aug-2011 09:37:03 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2102.D
Lims ID: LCS Client ID:
Inject. Date: 23-Aug-2011 09:15:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 510-0005426-003 =510-0005426-003
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 85489 Lims Sample ID: 3
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110823-5426.b\VMSB-8260.m
Last Update: 23-Aug-2011 09:37:02 Calib Date: 17-Aug-2011 17:07:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110817-5393.b\A1908.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 23-Aug-2011 09:37:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.613	-0.003	99	787472	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.807	-0.003	83	320436	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.545	0.002	93	253546	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.275	5.273	0.002	0	186434	48.5	
$ 7 Toluene-d8 (Surr)	98	7.228	7.232	-0.004	92	763021	50.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.166	10.164	0.002	92	278417	48.0	
12 Dichlorodifluoromethane	85	1.449	1.446	0.003	87	265874	51.4	
13 Chloromethane	50	1.607	1.610	-0.003	100	192803	47.1	
14 Vinyl chloride	62	1.704	1.708	-0.004	82	202214	51.6	
15 Bromomethane	94	2.008	2.012	-0.004	92	92464	49.0	
16 Chloroethane	64	2.112	2.109	0.003	94	169494	57.1	
17 Trichlorofluoromethane	101	2.355	2.353	0.002	79	353702	57.0	
20 1,1-Dichloroethene	61	2.836	2.839	-0.003	85	303313	52.7	
22 Acetone	43	2.872	2.876	-0.004	96	43801	42.5	
23 Iodomethane	142	2.976	2.979	-0.003	98	199326	61.5	
24 Carbon disulfide	76	3.043	3.046	-0.004	98	641023	53.6	
25 Methyl acetate	43	3.189	3.192	-0.004	96	135467	43.9	
26 Methylene Chloride	84	3.286	3.289	-0.003	78	241104	55.4	
27 2-Methyl-2-propanol	59	3.383	3.381	0.002	95	37946	163.0	
28 Acrylonitrile	53	3.505	3.508	-0.003	98	47799	46.3	
30 Methyl tert-butyl ether	73	3.554	3.551	0.003	87	518439	48.1	
29 trans-1,2-Dichloroethene	61	3.547	3.551	-0.004	86	298372	50.4	
31 Hexane	57	3.821	3.825	-0.004	93	145044	71.1	
32 1,1-Dichloroethane	63	3.943	3.940	0.003	84	375839	51.6	
33 Vinyl acetate	43	3.992	3.989	0.003	99	777144	97.8	
34 Isopropyl ether	45	4.016	4.019	-0.003	0	609918	57.4	M
35 Tert-butyl ethyl ether	59	4.363	4.360	0.003	95	568874	49.5	
36 cis-1,2-Dichloroethene	61	4.490	4.488	0.002	84	326079	51.1	
38 2-Butanone (MEK)	43	4.496	4.494	0.002	37	52439	38.1	
37 2,2-Dichloropropane	77	4.496	4.494	0.002	72	281360	52.7	
39 Propionitrile	54	4.539	4.549	-0.010	45	17192	52.1	

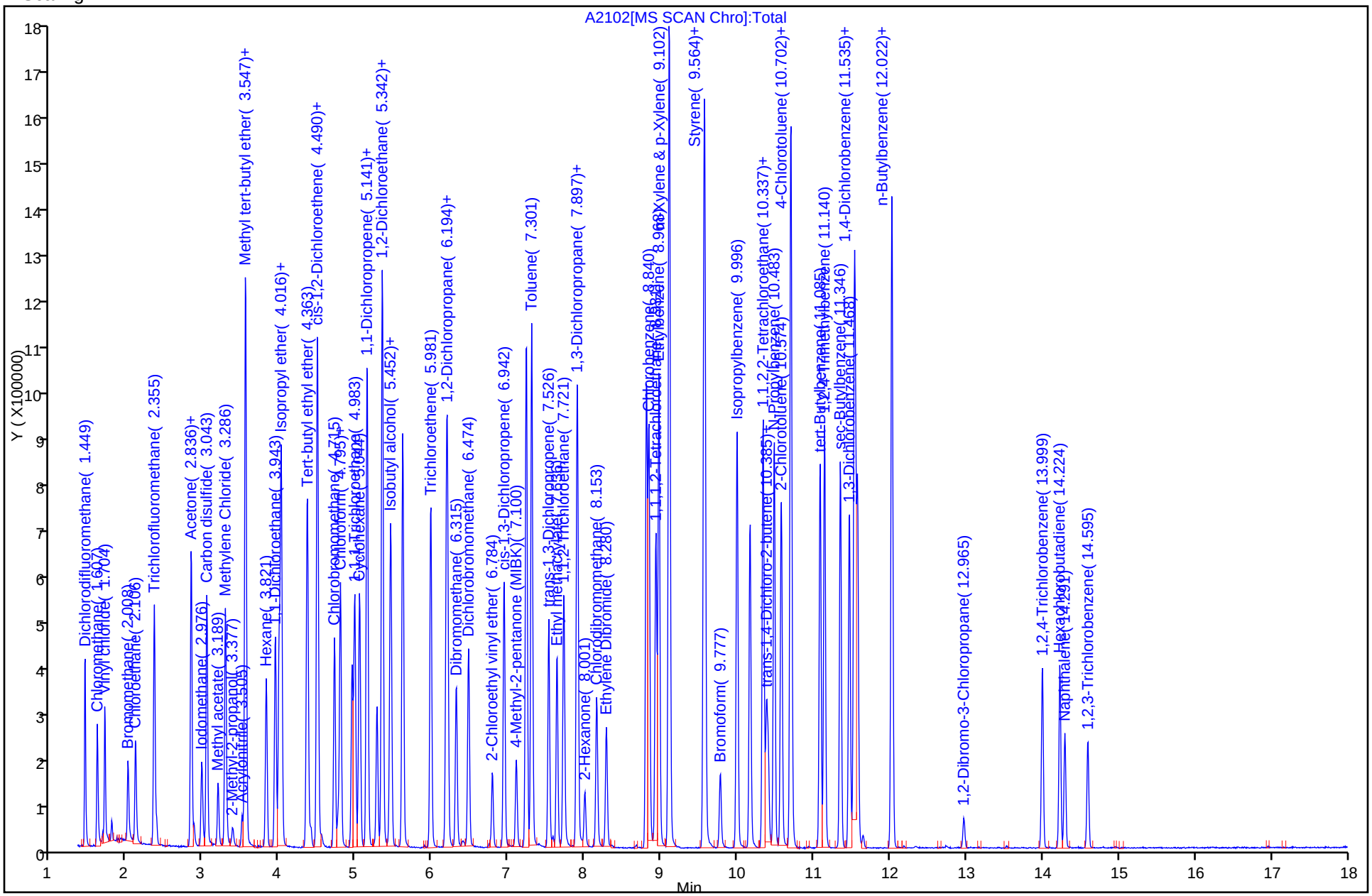
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
40 Chlorobromomethane	130	4.715	4.719	-0.004	79	175419	55.8	
41 Tetrahydrofuran	42	4.764	4.768	-0.004	87	36083	44.9	
42 Chloroform	83	4.795	4.792	0.003	79	413586	56.8	
43 1,1,1-Trichloroethane	97	4.983	4.981	0.002	88	332592	50.0	
44 Cyclohexane	56	5.044	5.048	-0.004	86	228570	71.9	
45 Carbon tetrachloride	117	5.147	5.145	0.002	81	264116	50.7	
46 1,1-Dichloropropene	75	5.141	5.145	-0.004	93	283180	52.0	
47 Benzene	78	5.342	5.340	0.002	92	829553	57.8	
48 1,2-Dichloroethane	62	5.348	5.346	0.002	46	240929	49.0	
50 Isobutyl alcohol	41	5.452	5.455	-0.003	40	59608	50.3	
49 Tert-amyl methyl ether	73	5.452	5.455	-0.003	98	533530	49.2	
51 Trichloroethene	132	5.981	5.978	0.003	86	257180	51.3	
52 Methylcyclohexane	83	6.182	6.185	-0.003	91	229485	60.1	
53 1,2-Dichloropropane	63	6.200	6.197	0.003	90	213592	50.8	
54 Dibromomethane	93	6.315	6.313	0.002	92	127694	51.6	
55 Dichlorobromomethane	83	6.474	6.471	0.003	91	274055	47.2	
56 2-Chloroethyl vinyl ether	63	6.784	6.787	-0.003	92	66913	93.7	
60 cis-1,3-Dichloropropene	75	6.942	6.940	0.002	92	338538	50.1	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.098	0.002	95	116357	42.7	
59 Toluene	91	7.301	7.305	-0.003	88	838955	57.1	
57 trans-1,3-Dichloropropene	75	7.526	7.524	0.002	91	264818	46.7	
61 Ethyl methacrylate	69	7.629	7.633	-0.004	95	222277	45.0	
62 1,1,2-Trichloroethane	83	7.721	7.718	0.003	84	153454	49.5	
63 Tetrachloroethene	166	7.897	7.895	0.002	82	197743	52.6	
64 1,3-Dichloropropane	76	7.903	7.907	-0.004	87	300950	49.6	
65 2-Hexanone	43	8.001	7.998	0.003	96	76238	38.4	
66 Chlorodibromomethane	129	8.153	8.156	-0.003	86	196101	44.5	
67 Ethylene Dibromide	107	8.280	8.278	0.002	99	192395	49.3	
68 Chlorobenzene	112	8.840	8.838	0.002	91	563975	50.0	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.929	0.002	95	212811	49.2	
70 Ethylbenzene	91	8.968	8.971	-0.003	96	771831	57.2	
71 m-Xylene & p-Xylene	91	9.102	9.105	-0.003	0	1122447	99.4	
72 o-Xylene	91	9.558	9.555	0.003	91	649189	55.0	
73 Styrene	104	9.570	9.574	-0.004	91	565603	50.0	
74 Bromoform	173	9.777	9.774	0.003	96	86686	39.3	
75 Isopropylbenzene	105	9.996	9.993	0.003	96	663182	49.7	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.334	-0.004	75	175028	45.2	
77 Bromobenzene	77	10.337	10.334	0.003	90	314621	46.3	
78 1,2,3-Trichloropropane	75	10.379	10.383	-0.004	36	187479	42.7	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.401	0.002	50	38194	42.4	
80 N-Propylbenzene	91	10.483	10.480	0.003	96	747547	47.9	
81 2-Chlorotoluene	91	10.574	10.571	0.003	95	494517	47.7	
82 1,3,5-Trimethylbenzene	105	10.696	10.693	0.003	91	542863	47.7	
83 4-Chlorotoluene	91	10.702	10.699	0.003	95	568223	52.4	
84 tert-Butylbenzene	119	11.085	11.082	0.003	90	476744	46.2	
85 1,2,4-Trimethylbenzene	105	11.140	11.137	0.003	61	568997	47.6	
86 sec-Butylbenzene	105	11.346	11.350	-0.004	94	634708	47.4	
87 1,3-Dichlorobenzene	146	11.468	11.466	0.002	97	366333	49.5	
88 4-Isopropyltoluene	119	11.529	11.526	0.003	90	560925	48.8	
89 1,4-Dichlorobenzene	146	11.572	11.575	-0.003	81	357888	49.8	
91 1,2-Dichlorobenzene	146	12.022	12.019	0.003	84	336725	49.6	
90 n-Butylbenzene	91	12.028	12.025	0.003	96	464944	47.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
92 1,2-Dibromo-3-Chloropropane	157	12.965	12.968	-0.003	59	20393	35.3	
93 1,2,4-Trichlorobenzene	180	13.999	13.996	0.003	94	139976	44.7	
94 Hexachlorobutadiene	225	14.224	14.227	-0.003	94	78618	48.2	
95 Naphthalene	128	14.291	14.288	0.003	97	234952	40.3	
96 1,2,3-Trichlorobenzene	180	14.595	14.593	0.003	95	80261	40.6	
S 98 Xylenes, Total	100				0		154.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 09:37:03 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110823-5426.b\A2102.D
Injection Date: 23-Aug-2011 09:15:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85489 Lims Sample ID: 3
Operator ID: JLH
Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 510-85568/13

Matrix: Water Lab File ID: A2152.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 40(mL) Date Analyzed: 08/24/2011 17:59

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.: 85568 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-36-3	n-Butanol	0.939		0.10	0.060

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		81-126
2037-26-5	Toluene-d8 (Surr)	102		89-108
460-00-4	4-Bromofluorobenzene (Surr)	100		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2152.D
Lims ID: LCS Client ID:
Inject. Date: 24-Aug-2011 17:59:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 510-0005435-013 =510-0005435-013
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 31
Lims Batch ID: 85568 Lims Sample ID: 13
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110824-5435.b\VMSB-8260.m
Last Update: 24-Aug-2011 16:56:31 Calib Date: 24-Aug-2011 16:20:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2149.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 19:00:08

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.614	-0.004	99	872833	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.807	-0.003	81	343649	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.541	11.545	-0.004	93	274720	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.276	5.273	0.003	0	211140	50.8	
$ 7 Toluene-d8 (Surr)	98	7.228	7.232	-0.004	92	831602	51.2	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.164	-0.003	90	302362	49.8	
12 Dichlorodifluoromethane	85	1.443	1.446	-0.003	87	248624	50.5	
13 Chloromethane	50	1.601	1.605	-0.003	88	200315	51.1	
14 Vinyl chloride	62	1.698	1.702	-0.004	83	192444	53.8	
15 Bromomethane	94	2.003	2.006	-0.003	91	85211	46.0	
16 Chloroethane	64	2.100	2.103	-0.003	94	114156	50.5	
17 Trichlorofluoromethane	101	2.349	2.347	0.002	77	321420	53.9	
20 1,1-Dichloroethene	61	2.830	2.833	-0.003	85	289147	63.2	
22 Acetone	43	2.879	2.876	0.003	96	93044	75.0	
23 Iodomethane	142	2.970	2.973	-0.003	97	138312	44.2	
24 Carbon disulfide	76	3.037	3.040	-0.003	98	607529	72.7	
25 Methyl acetate	43	3.189	3.192	-0.003	97	169607	50.5	
26 Methylene Chloride	84	3.286	3.284	0.002	74	248483	55.9	
27 2-Methyl-2-propanol	59	3.390	3.393	-0.003	99	52475	213.0	
28 Acrylonitrile	53	3.505	3.509	-0.004	97	64195	62.6	
29 trans-1,2-Dichloroethene	61	3.548	3.545	0.003	76	286243	54.8	
30 Methyl tert-butyl ether	73	3.554	3.551	0.003	87	593742	59.0	
31 Hexane	57	3.815	3.819	-0.004	90	133366	82.4	
32 1,1-Dichloroethane	63	3.937	3.941	-0.004	84	363897	55.9	
33 Vinyl acetate	43	3.992	3.990	0.002	99	813131	112.8	
34 Isopropyl ether	45	4.016	4.020	-0.004	0	617808	54.9	M
35 Tert-butyl ethyl ether	59	4.363	4.360	0.003	93	596530	57.4	
36 cis-1,2-Dichloroethene	61	4.491	4.488	0.003	83	322616	55.2	
37 2,2-Dichloropropane	77	4.491	4.494	-0.003	67	291742	63.9	
38 2-Butanone (MEK)	43	4.497	4.500	-0.003	50	89671	63.7	
39 Propionitrile	54	4.552	4.545	0.007	43	21526	56.3	

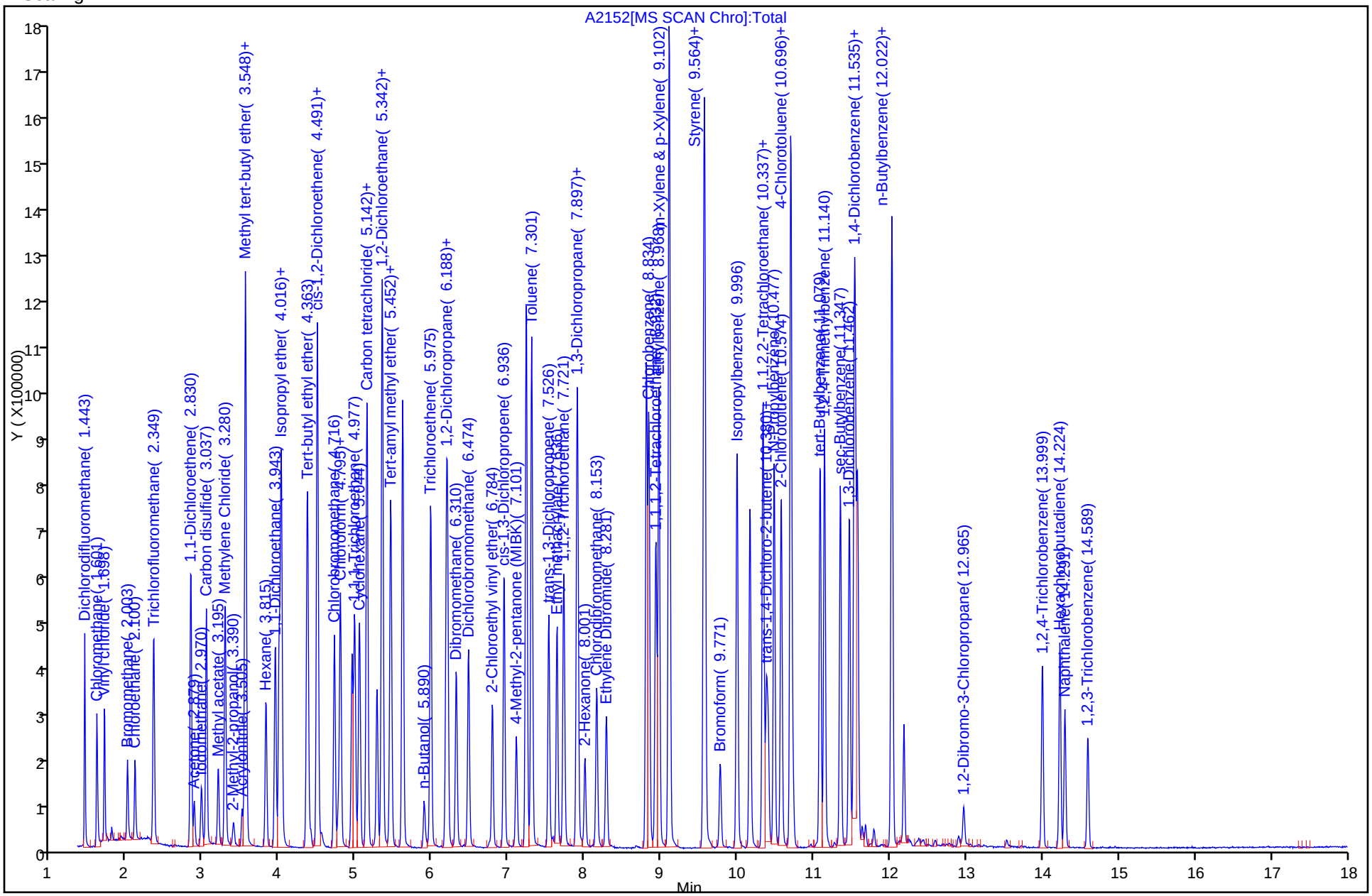
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
40 Chlorobromomethane	130	4.716	4.719	-0.003	78	187096	57.4	
41 Tetrahydrofuran	42	4.771	4.768	0.003	84	45795	55.0	
42 Chloroform	83	4.795	4.792	0.003	79	400414	57.3	
43 1,1,1-Trichloroethane	97	4.977	4.981	-0.004	89	316038	54.4	
44 Cyclohexane	56	5.044	5.042	0.002	87	205626	69.9	
46 1,1-Dichloropropene	75	5.142	5.139	0.003	94	273757	56.6	
45 Carbon tetrachloride	117	5.148	5.145	0.003	83	248626	55.9	
47 Benzene	78	5.342	5.340	0.002	92	830115	50.3	
48 1,2-Dichloroethane	62	5.349	5.346	0.003	48	249690	53.4	
49 Tert-amyl methyl ether	73	5.452	5.455	-0.003	98	594002	54.8	
50 Isobutyl alcohol	41	5.452	5.455	-0.003	40	63864	55.2	
102 n-Butanol	56	5.890	5.894	-0.004	0	53784	938.9	
51 Trichloroethene	132	5.981	5.979	0.002	84	262420	52.7	
52 Methylcyclohexane	83	6.182	6.185	-0.003	91	206467	58.6	
53 1,2-Dichloropropane	63	6.200	6.198	0.002	92	217639	55.1	
54 Dibromomethane	93	6.310	6.313	-0.003	88	140106	56.1	
55 Dichlorobromomethane	83	6.474	6.471	0.003	93	275400	54.3	
56 2-Chloroethyl vinyl ether	63	6.784	6.788	-0.004	91	133635	126.9	
60 cis-1,3-Dichloropropene	75	6.936	6.940	-0.004	92	344049	57.9	
58 4-Methyl-2-pentanone (MIBK)	43	7.101	7.098	0.003	95	147096	55.0	
59 Toluene	91	7.301	7.305	-0.004	86	848860	50.4	
57 trans-1,3-Dichloropropene	75	7.526	7.524	0.002	86	289994	61.0	
61 Ethyl methacrylate	69	7.636	7.633	0.003	96	269799	59.3	
62 1,1,2-Trichloroethane	83	7.721	7.724	-0.003	82	170636	54.3	
63 Tetrachloroethene	166	7.897	7.895	0.002	75	193533	51.9	
64 1,3-Dichloropropane	76	7.904	7.907	-0.003	87	329891	54.3	
65 2-Hexanone	43	8.001	7.998	0.003	94	125171	60.7	
66 Chlorodibromomethane	129	8.153	8.156	-0.003	86	216642	51.7	
67 Ethylene Dibromide	107	8.281	8.284	-0.003	99	222564	57.8	
68 Chlorobenzene	112	8.834	8.838	-0.004	91	583040	49.8	
69 1,1,1,2-Tetrachloroethane	131	8.932	8.929	0.003	89	221094	55.7	
70 Ethylbenzene	91	8.968	8.972	-0.004	96	768156	49.2	
71 m-Xylene & p-Xylene	91	9.102	9.105	-0.003	0	1138113	100.2	
72 o-Xylene	91	9.558	9.562	-0.004	90	661929	52.2	
73 Styrene	104	9.577	9.574	0.003	93	592339	55.2	
74 Bromoform	173	9.777	9.775	0.002	92	102914	48.5	
75 Isopropylbenzene	105	9.996	9.994	0.002	96	665350	53.8	
76 1,1,2,2-Tetrachloroethane	83	10.331	10.334	-0.003	76	214532	56.0	
77 Bromobenzene	77	10.337	10.334	0.003	88	326614	51.1	
78 1,2,3-Trichloropropane	75	10.380	10.383	-0.003	29	229380	54.8	
79 trans-1,4-Dichloro-2-butene	53	10.404	10.401	0.003	52	45409	60.2	
80 N-Propylbenzene	91	10.477	10.480	-0.003	96	730217	51.3	
81 2-Chlorotoluene	91	10.574	10.572	0.002	95	506859	52.1	
82 1,3,5-Trimethylbenzene	105	10.696	10.693	0.003	88	542016	52.1	
83 4-Chlorotoluene	91	10.702	10.699	0.003	96	571228	50.0	
84 tert-Butylbenzene	119	11.079	11.083	-0.004	92	475195	49.5	
85 1,2,4-Trimethylbenzene	105	11.140	11.137	0.003	63	571075	52.3	
86 sec-Butylbenzene	105	11.347	11.350	-0.003	94	603218	52.9	
87 1,3-Dichlorobenzene	146	11.468	11.466	0.002	96	378433	51.8	
88 4-Isopropyltoluene	119	11.529	11.527	0.002	90	542396	51.4	
89 1,4-Dichlorobenzene	146	11.572	11.575	-0.003	89	375734	52.0	
91 1,2-Dichlorobenzene	146	12.022	12.019	0.003	86	363901	53.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
90 n-Butylbenzene	91	12.022	12.025	-0.003	97	447759	54.5	
92 1,2-Dibromo-3-Chloropropane	157	12.971	12.962	0.009	51	28576	49.9	
93 1,2,4-Trichlorobenzene	180	13.999	13.997	0.002	92	145540	50.5	
94 Hexachlorobutadiene	225	14.230	14.228	0.002	94	93395	60.9	
95 Naphthalene	128	14.291	14.289	0.002	98	286178	51.9	
96 1,2,3-Trichlorobenzene	180	14.595	14.593	0.002	96	86243	49.0	
S 98 Xylenes, Total	100				0		152.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 19:00:08 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\VMSB\20110824-5435.b\A2152.D
Injection Date: 24-Aug-2011 17:59:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 85568 Lims Sample ID: 13
Operator ID: JLH
Y Scaling:



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MS | Lab Sample ID: 510-69047-7 MS

Matrix: Solid | Lab File ID: E2897.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 31.828(g) | Date Analyzed: 08/23/2011 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.0613		0.013	0.0026
107-02-8	Acrolein	<0.26		0.26	0.0032
71-43-2	Benzene	0.0461		0.0066	0.0015
75-27-4	Bromodichloromethane	0.0507		0.0066	0.00066
75-25-2	Bromoform	0.0470		0.0066	0.0019
74-83-9	Bromomethane	0.0560		0.0066	0.0023
75-15-0	Carbon disulfide	0.0551		0.0066	0.0017
56-23-5	Carbon tetrachloride	0.0545		0.0066	0.0015
108-90-7	Chlorobenzene	0.0386		0.0066	0.00088
124-48-1	Chlorodibromomethane	0.0450		0.0066	0.00066
75-00-3	Chloroethane	0.0549		0.0066	0.0022
67-66-3	Chloroform	0.0590		0.0066	0.0013
74-87-3	Chloromethane	0.0542		0.0066	0.0019
156-59-2	cis-1,2-Dichloroethylene	0.0470		0.0066	0.0015
10061-01-5	cis-1,3-Dichloropropene	0.0438		0.0066	0.00066
110-82-7	Cyclohexane	0.0590		0.0066	0.0021
106-93-4	1,2-Dibromoethane	0.0440		0.0066	0.00066
75-35-4	1,1-Dichlorethylene	0.0534		0.0066	0.0023
75-34-3	1,1-Dichloroethane	0.0569		0.0066	0.0021
107-06-2	1,2-Dichloroethane	0.0576		0.0066	0.0013
78-87-5	1,2-Dichloropropane	0.0499		0.0066	0.0011
542-75-6	1,3-Dichloropropene, Total	0.0869		0.013	
141-78-6	Ethyl acetate	<0.0066		0.0066	0.0014
100-41-4	Ethylbenzene	0.0416		0.0066	0.0010
74-88-4	Iodomethane	0.0495		0.013	0.0048
98-82-8	Isopropylbenzene	0.0361		0.0066	0.00097
79-20-9	Methyl acetate	0.0332		0.0066	0.00096
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0426		0.013	0.0010
108-87-2	Methylcyclohexane	0.0419		0.0066	0.0016
75-09-2	Methylene Chloride	0.0521		0.0066	0.0017
78-93-3	Methyl ethyl ketone (MEK)	0.0484		0.013	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0516		0.013	0.00066
1634-04-4	Methyl tert-butyl ether	0.0588		0.0066	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.020
110-54-3	n-Hexane	0.0604		0.0066	0.0026
103-65-1	n-Propylbenzene	0.0298		0.0066	0.0026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MS | Lab Sample ID: 510-69047-7 MS

Matrix: Solid | Lab File ID: E2897.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 31.828(g) | Date Analyzed: 08/23/2011 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	0.0352		0.0066	0.00088
630-20-6	1,1,1,2-Tetrachloroethane	0.0531		0.0066	0.00090
79-34-5	1,1,2,2-Tetrachloroethane	0.0483		0.0066	0.0015
127-18-4	Tetrachloroethylene	0.0382		0.0066	0.0014
108-88-3	Toluene	0.0429		0.0066	0.0015
156-60-5	trans-1,2-Dichloroethylene	0.0504		0.0066	0.0022
10061-02-6	trans-1,3-Dichloropropene	0.0430		0.0066	0.00066
71-55-6	1,1,1-Trichloroethane	0.0551		0.0066	0.0015
79-00-5	1,1,2-Trichloroethane	0.0475		0.0066	0.00091
79-01-6	Trichloroethene	0.0471		0.0066	0.0015
75-69-4	Trichlorofluoromethane	0.0580		0.0066	0.0023
95-63-6	1,2,4-Trimethylbenzene	0.0273		0.0066	0.0026
108-67-8	1,3,5-Trimethylbenzene	0.0287		0.0066	0.00097
108-05-4	Vinyl acetate	0.0964		0.0066	0.0016
75-01-4	Vinyl chloride	0.0568		0.0066	0.0029
1330-20-7	Xylenes, Total	0.123		0.013	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	134		76-137
2037-26-5	Toluene-d8 (Surr)	94		70-130

Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Lims ID:	510-69047-D-7-B MS	Client ID:	SSW-1
Inject. Date:	23-Aug-2011 13:40:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	510-69047-D-7-B MS		
Misc. Info.:	510-0005425-018 =510-0005425-018		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	85487	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m		
Last Update:	23-Aug-2011 12:22:44	Calib Date:	19-Aug-2011 07:38:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	24-Aug-2011 08:45:29

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.919	6.919	0.0	97	1532106	50.0	
* 2 Chlorobenzene-d5	117	10.654	10.655	-0.001	88	1044569	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.915	13.921	-0.006	95	605059	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.536	6.536	0.0	0	515986	67.1	
$ 100 BFB	95	7.339	7.159	0.180	0	450768	0	
$ 6 Toluene-d8 (Surr)	98	8.793	8.793	0.0	94	1463484	47.1	
$ 7 4-Bromofluorobenzene (Surr)	95	12.266	12.261	0.005	84	604435	50.2	
8 Dichlorodifluoromethane	85	2.101	2.107	-0.006	88	651446	39.7	
9 Chloromethane	50	2.308	2.314	-0.006	88	414871	41.3	
10 Vinyl chloride	62	2.441	2.442	-0.001	82	537139	43.3	
11 Bromomethane	94	2.819	2.789	0.030	94	148878	42.7	
12 Chloroethane	64	2.934	2.916	0.018	95	370057	41.8	
13 Trichlorofluoromethane	101	3.208	3.190	0.018	80	845587	44.2	
16 1,1-Dichloroethene	96	3.768	3.762	0.006	97	389418	40.7	
18 Acetone	58	3.816	3.811	0.005	97	52150	46.7	
19 Iodomethane	142	3.932	3.932	0.0	96	230855	37.7	
20 Carbon disulfide	76	4.011	4.005	0.006	100	1222243	42.0	
21 Methyl acetate	43	4.169	4.164	0.005	96	200359	25.3	
22 Methylene Chloride	84	4.285	4.279	0.006	82	385121	39.7	
23 2-Methyl-2-propanol	59	4.394	4.395	-0.001	31	152785	166.5	M
24 Acrylonitrile	53	4.528	4.529	-0.001	98	91625	42.5	
25 trans-1,2-Dichloroethene	96	4.571	4.571	0.0	67	409208	38.4	
26 Methyl tert-butyl ether	73	4.577	4.571	0.006	91	1072499	44.8	
27 Hexane	57	4.869	4.863	0.006	93	492972	46.0	
28 1,1-Dichloroethane	63	5.021	5.015	0.006	85	783063	43.4	
29 Vinyl acetate	43	5.070	5.076	-0.006	98	1215723	73.5	
30 Isopropyl ether	45	5.088	5.088	0.0	0	1108768	39.9	M
31 Tert-butyl ethyl ether	59	5.477	5.478	-0.001	0	925454	39.6	M
32 cis-1,2-Dichloroethene	96	5.641	5.636	0.005	87	436735	35.8	
33 2,2-Dichloropropane	77	5.647	5.648	-0.001	80	697522	43.7	
34 2-Butanone (MEK)	72	5.654	5.648	0.006	40	52751	36.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
93 Propionitrile	54	5.720	5.709	0.011	0	32305	36.0	
35 Chlorobromomethane	130	5.903	5.897	0.006	87	222247	36.3	
95 Tetrahydrofuran	42	5.964	5.964	0.0	0	72747	36.8	
36 Chloroform	83	5.982	5.976	0.006	70	802015	45.0	
37 1,1,1-Trichloroethane	97	6.201	6.195	0.006	91	722919	42.0	
38 Cyclohexane	84	6.268	6.268	0.0	88	703104	45.0	
39 1,1-Dichloropropene	75	6.384	6.378	0.006	92	620652	38.0	
40 Carbon tetrachloride	117	6.390	6.390	0.0	81	624001	41.5	
41 Benzene	78	6.615	6.615	0.0	92	1619260	35.1	
42 1,2-Dichloroethane	62	6.621	6.621	0.0	53	550060	43.9	
43 Isobutyl alcohol	41	6.724	6.725	-0.001	42	155047	46.6	
44 Tert-amyl methyl ether	73	6.724	6.725	-0.001	93	945947	39.8	
45 Trichloroethene	132	7.339	7.339	0.0	91	417253	35.9	
46 Methylcyclohexane	83	7.576	7.570	0.006	92	627005	31.9	
47 1,2-Dichloropropane	63	7.600	7.601	-0.001	0	411144	38.0	M
48 Dibromomethane	93	7.734	7.735	-0.001	84	203178	38.4	
49 Dichlorobromomethane	83	7.911	7.911	0.0	97	517069	38.6	
54 cis-1,3-Dichloropropene	75	8.452	8.452	0.0	91	474318	33.4	
52 4-Methyl-2-pentanone (MIBK)	43	8.628	8.629	-0.001	98	250483	39.3	
53 Toluene	91	8.878	8.872	0.006	79	1558795	32.7	
51 trans-1,3-Dichloropropene	75	9.133	9.134	-0.001	90	398012	32.8	
55 Ethyl methacrylate	69	9.237	9.237	0.0	90	444758	37.7	
56 1,1,2-Trichloroethane	83	9.364	9.365	-0.001	95	249441	36.2	
57 Tetrachloroethene	164	9.571	9.572	-0.001	85	271803	29.1	
58 1,3-Dichloropropane	76	9.590	9.584	0.006	91	519675	36.3	
59 2-Hexanone	43	9.681	9.681	0.0	94	165565	32.5	
60 Chlorodibromomethane	129	9.882	9.882	0.0	86	282923	34.3	
61 Ethylene Dibromide	107	10.040	10.040	0.0	98	238033	33.5	
62 Chlorobenzene	112	10.691	10.691	0.0	93	736800	29.4	
63 1,1,1,2-Tetrachloroethane	131	10.794	10.795	-0.001	89	333188	40.5	
64 Ethylbenzene	91	10.837	10.837	0.0	97	1425135	31.7	
65 m-Xylene & p-Xylene	91	10.995	10.995	0.0	0	2061488	64.3	
66 o-Xylene	91	11.536	11.537	-0.001	92	1060880	29.8	
67 Styrene	104	11.555	11.555	0.0	86	660379	26.8	
68 Bromoform	173	11.810	11.811	0.0	95	144228	35.8	
69 Isopropylbenzene	105	12.047	12.048	-0.001	96	1095001	27.5	
71 1,1,2,2-Tetrachloroethane	83	12.455	12.455	0.0	89	320055	36.8	
70 Bromobenzene	156	12.479	12.480	-0.001	90	237974	23.6	
72 1,2,3-Trichloropropane	75	12.522	12.522	0.0	81	382728	35.8	
73 trans-1,4-Dichloro-2-butene	53	12.540	12.541	-0.001	46	71301	34.9	
74 N-Propylbenzene	91	12.631	12.632	-0.001	96	1265897	22.7	
75 2-Chlorotoluene	91	12.753	12.753	0.0	96	755336	25.5	
76 1,3,5-Trimethylbenzene	105	12.881	12.881	0.0	27	843921	21.9	M
77 4-Chlorotoluene	91	12.905	12.906	-0.001	89	842257	21.9	
78 tert-Butylbenzene	119	13.349	13.350	-0.001	89	699216	23.1	
80 1,2,4-Trimethylbenzene	105	13.422	13.423	-0.001	53	812109	20.8	
81 sec-Butylbenzene	105	13.665	13.666	-0.001	96	912114	18.0	
82 1,3-Dichlorobenzene	146	13.824	13.824	0.0	94	334876	17.7	
79 4-Isopropyltoluene	119	13.878	13.879	-0.001	87	744540	18.0	
83 1,4-Dichlorobenzene	146	13.951	13.952	-0.001	86	337052	14.1	
99 1,2,3-Trimethylbenzene	105	14.024	14.031	-0.007	0	6726	0.1810	
84 n-Butylbenzene	91	14.475	14.475	0.0	95	565279	14.2	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	85 1,2-Dichlorobenzene	146	14.493	14.493	0.0	90	314060	14.9	
	86 1,2-Dibromo-3-Chloropropane	157	15.637	15.637	0.0	56	37191	24.9	
	87 1,2,4-Trichlorobenzene	180	16.865	16.866	-0.001	91	62036	5.49	
	88 Hexachlorobutadiene	225	17.127	17.127	0.0	93	90950	10.5	
	89 Naphthalene	128	17.230	17.231	-0.001	97	90055	4.23	
	90 1,2,3-Trichlorobenzene	180	17.589	17.590	-0.001	93	62588	5.89	
S	91 Xylenes, Total	100				0		94.1	
S	92 Total 1,2-dichloroethene	100				0		74.2	

QC Flag Legend

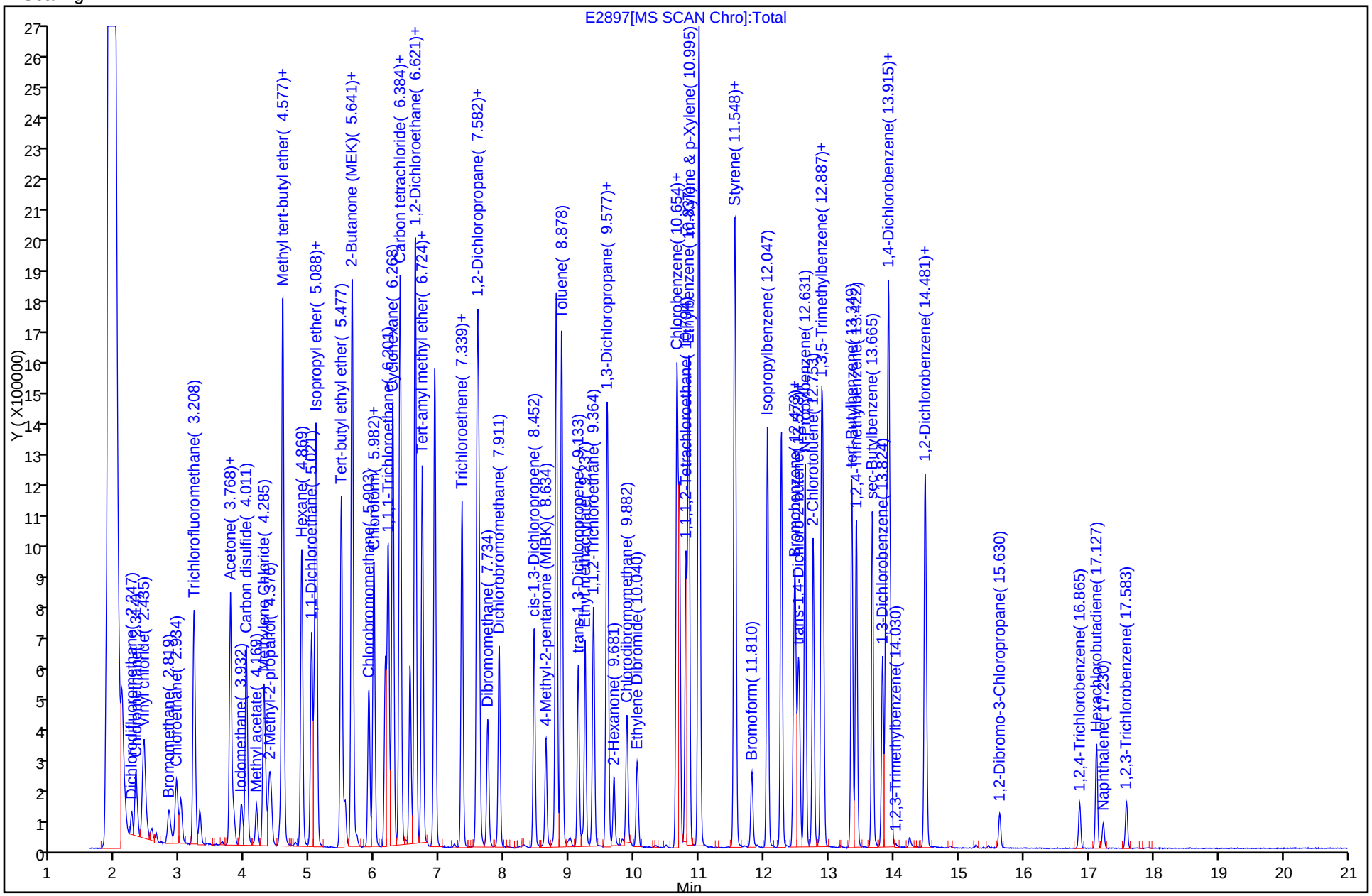
Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D

Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

Y Scaling:



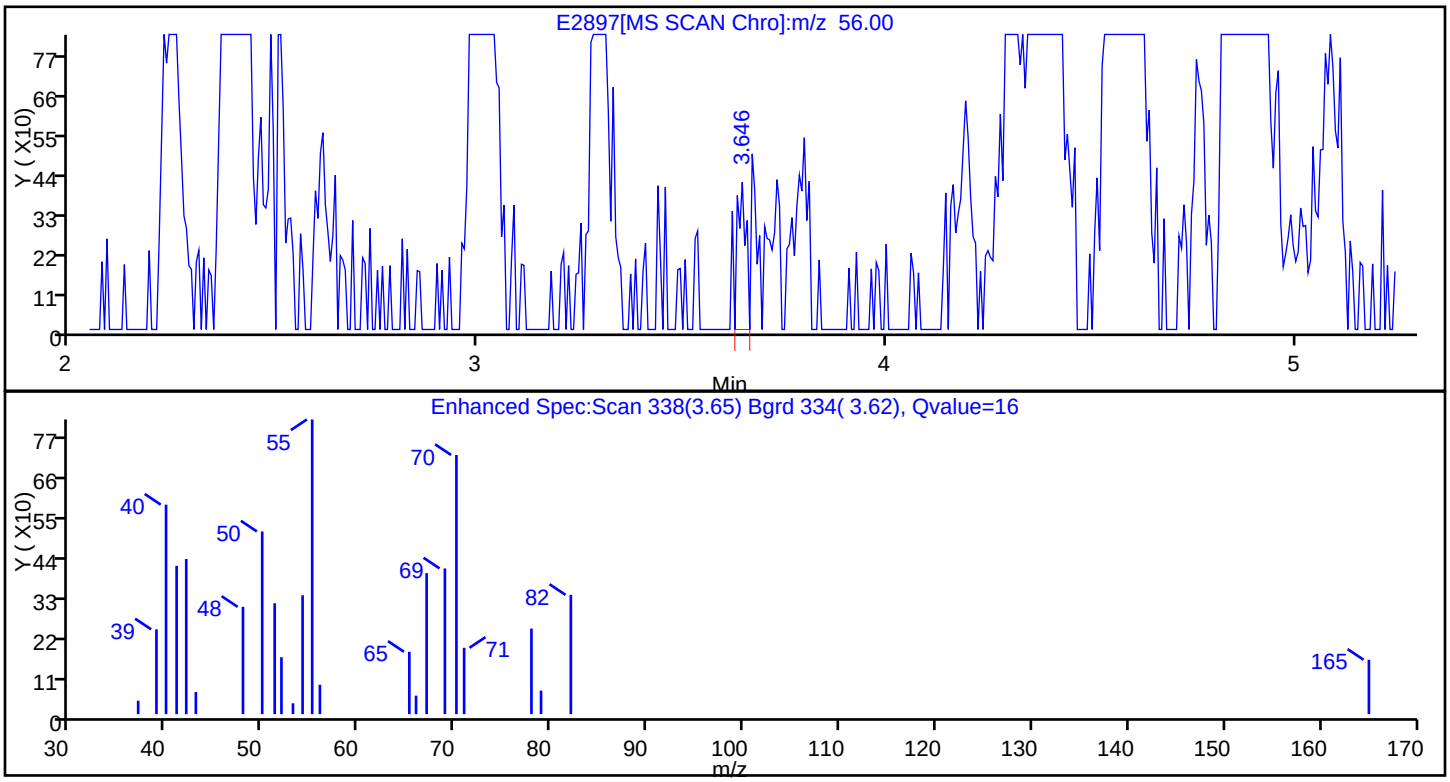
Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.65	56.00	586	0.929796
3.64	55.00	8592	

Reviewer: hallj, 24-Aug-2011 08:45:29
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

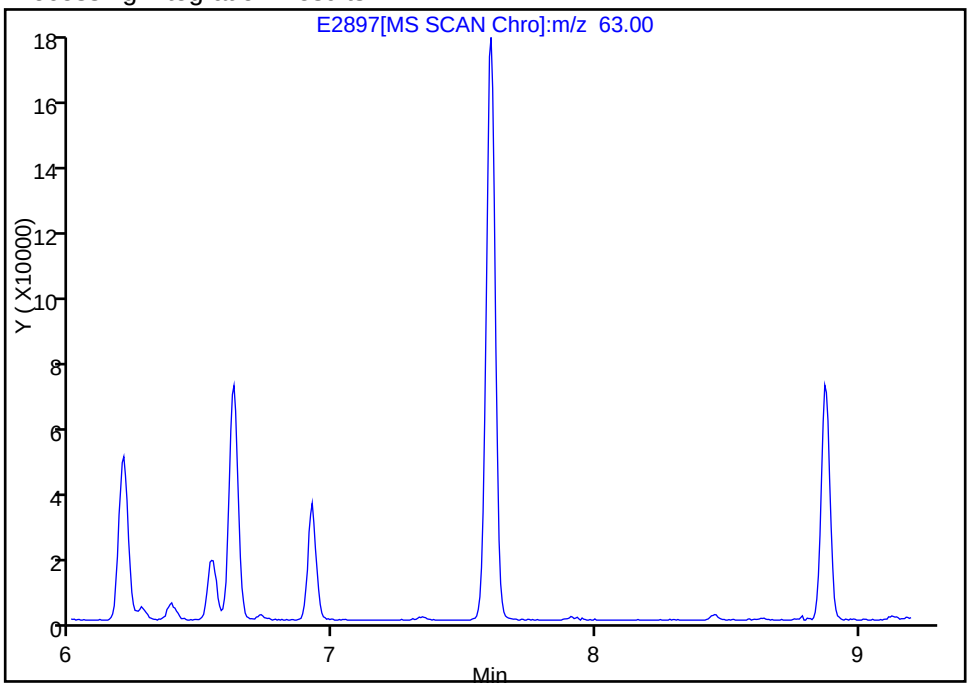
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.60

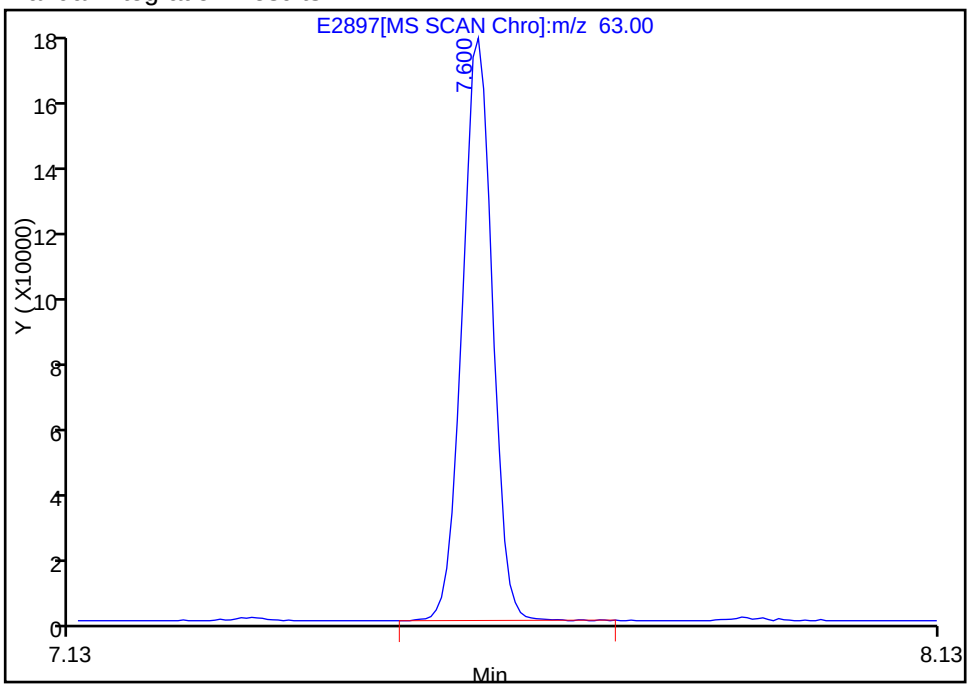
Processing Integration Results

Not Detected
Expected RT: 7.60



Manual Integration Results

RT: 7.60
Response: 411144
Amount: 37.959881



Reviewer: hallj, 24-Aug-2011 08:45:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

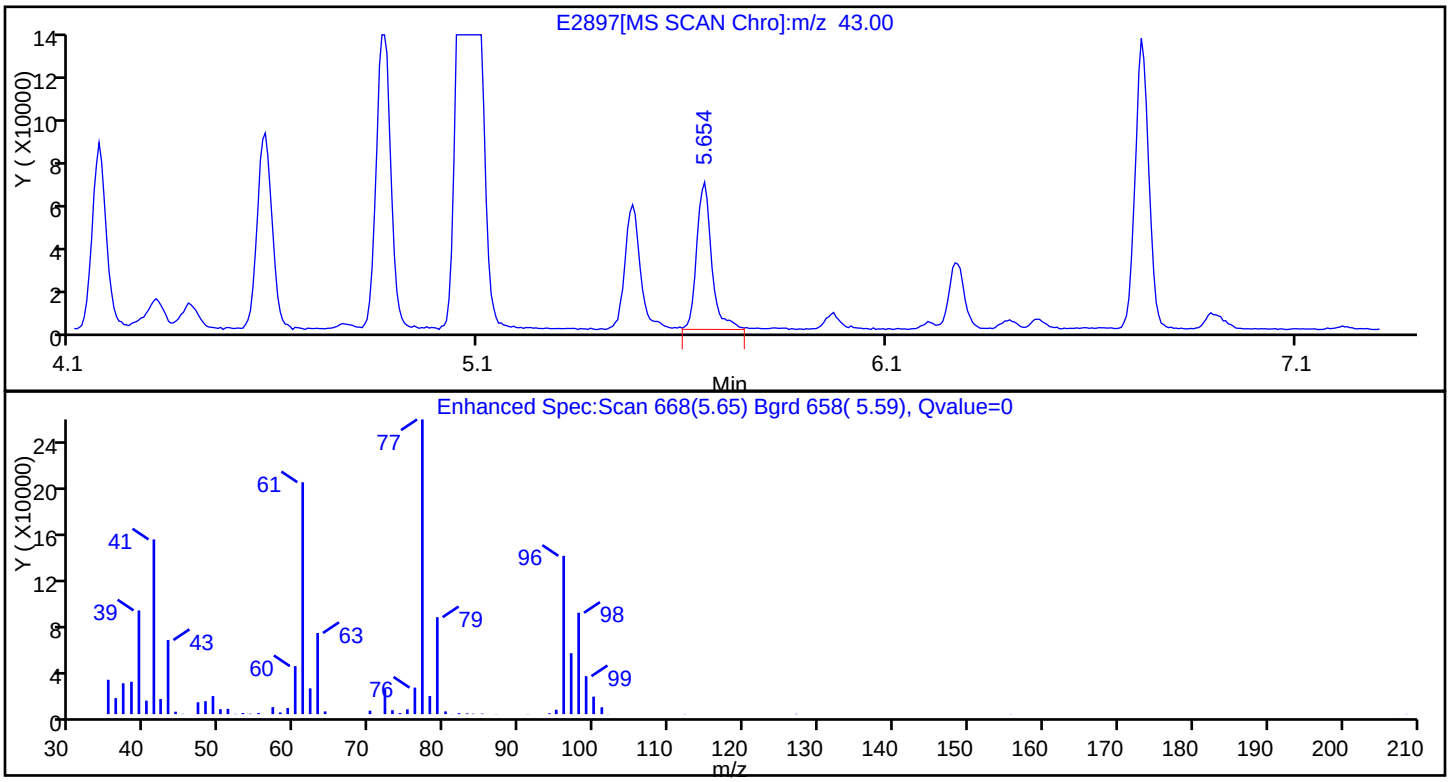
Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

105 Ethyl acetate

Processing Results



RT	Mass	Response	Amount
5.65	43.00	166217	20.495538
5.64	61.00	650660	
5.64	70.00	9791	

Reviewer: hallj, 24-Aug-2011 08:45:29

Audit Action: Marked Compound Undetected

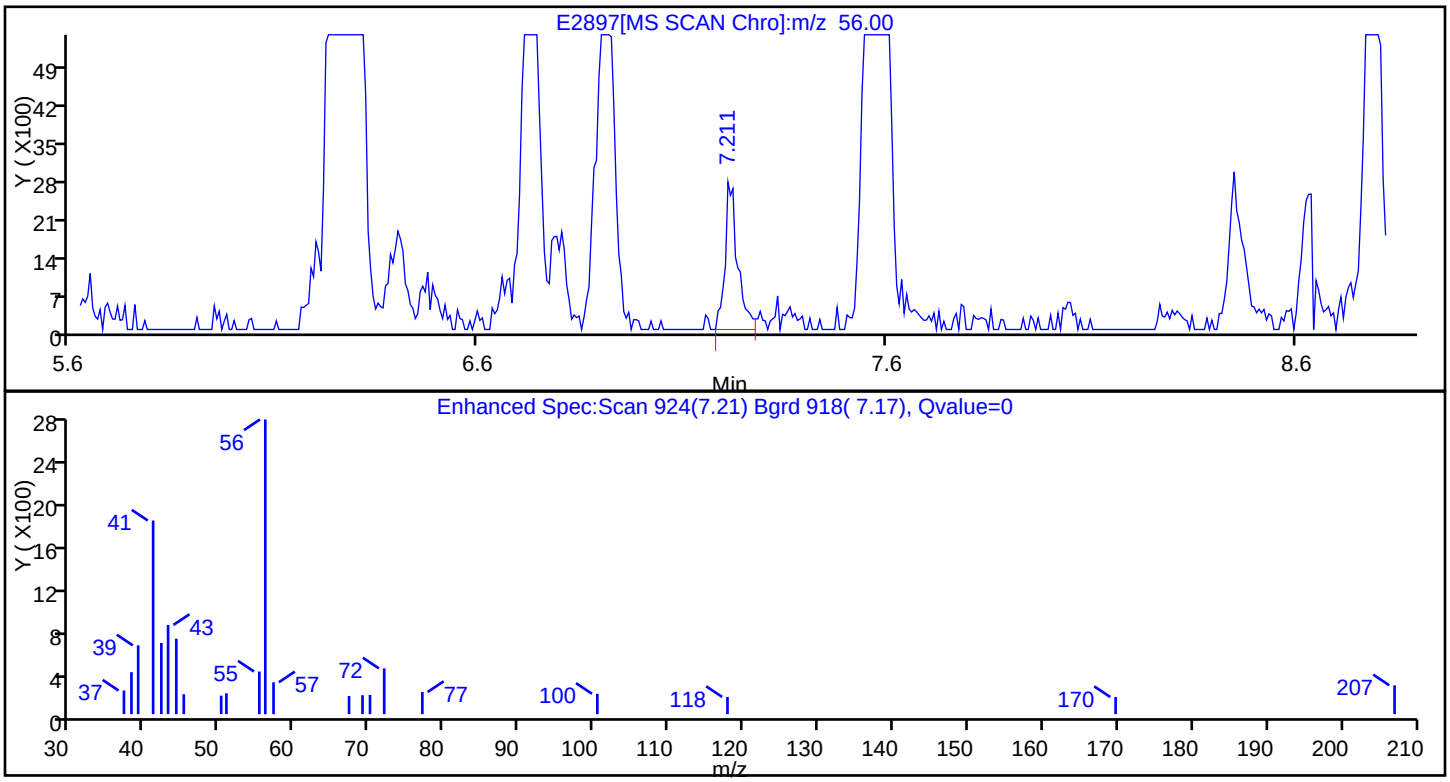
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.21	56.00	5848	28.950570
7.22	41.00	5607	
7.22	43.00	3094	

Reviewer: hallj, 24-Aug-2011 08:45:29
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 24-Aug-2011 08:45:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

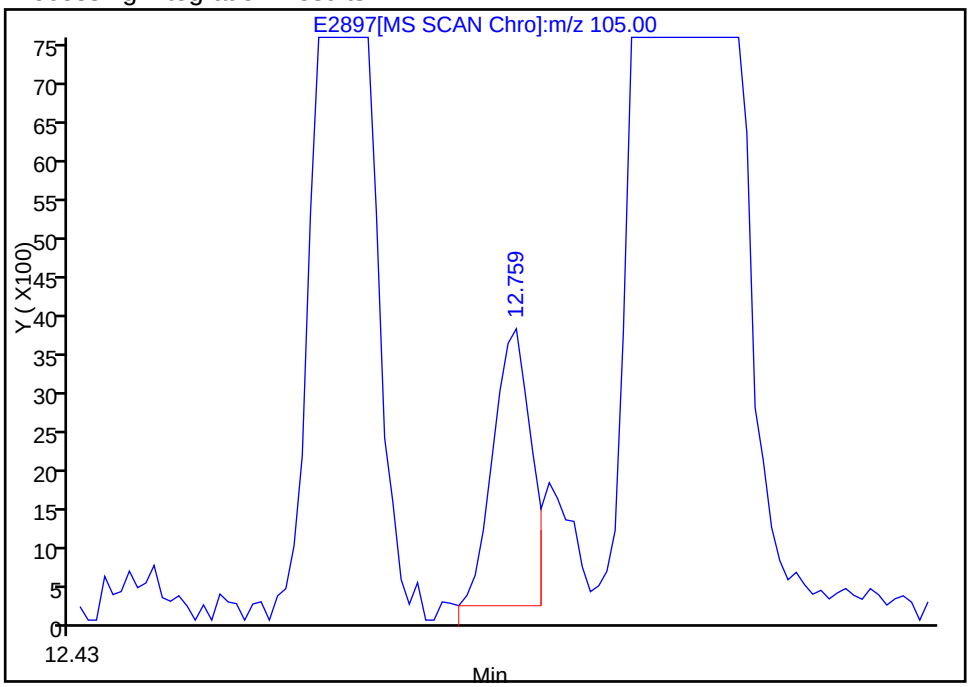
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2897.D		
Injection Date:	23-Aug-2011 13:40:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	18
Operator ID:	WH		

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

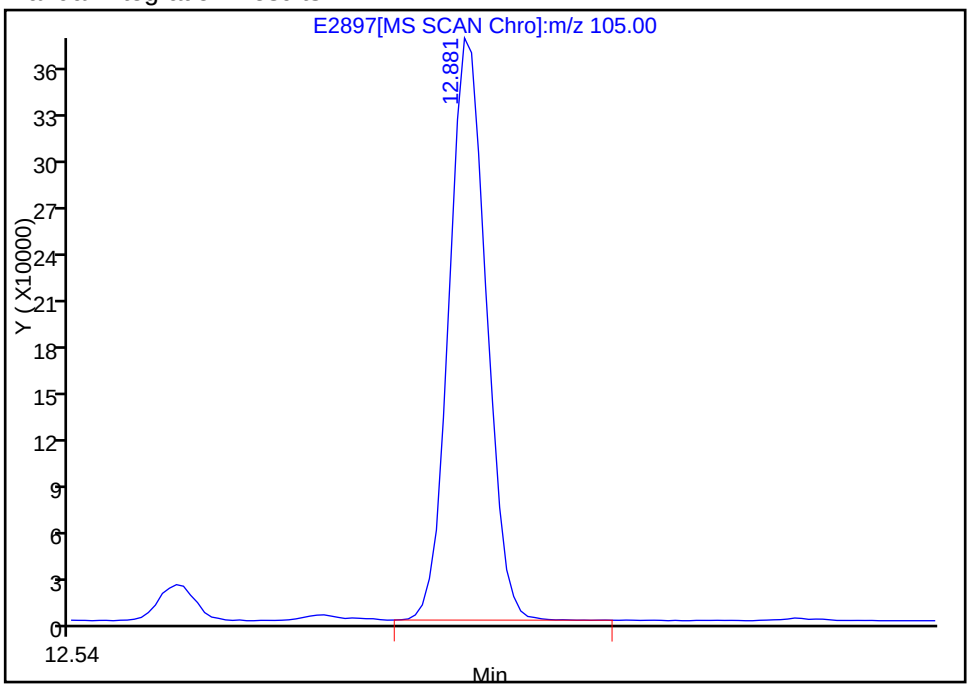
Processing Integration Results

RT: 12.76
Response: 7033
Amount: 0.500914



Manual Integration Results

RT: 12.88
Response: 843921
Amount: 21.928621



Reviewer: hallj, 24-Aug-2011 08:45:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MSD | Lab Sample ID: 510-69047-7 MSD

Matrix: Solid | Lab File ID: E2898.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 32.256(g) | Date Analyzed: 08/23/2011 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.0704		0.013	0.0026
107-02-8	Acrolein	<0.27		0.27	0.0032
71-43-2	Benzene	0.0500		0.0067	0.0015
75-27-4	Bromodichloromethane	0.0558		0.0067	0.00068
75-25-2	Bromoform	0.0533		0.0067	0.0019
74-83-9	Bromomethane	0.0556		0.0067	0.0024
75-15-0	Carbon disulfide	0.0584		0.0067	0.0017
56-23-5	Carbon tetrachloride	0.0571		0.0067	0.0015
108-90-7	Chlorobenzene	0.0447		0.0067	0.00090
124-48-1	Chlorodibromomethane	0.0504		0.0067	0.00067
75-00-3	Chloroethane	0.0574		0.0067	0.0022
67-66-3	Chloroform	0.0637		0.0067	0.0014
74-87-3	Chloromethane	0.0567		0.0067	0.0019
156-59-2	cis-1,2-Dichloroethylene	0.0512		0.0067	0.0016
10061-01-5	cis-1,3-Dichloropropene	0.0498		0.0067	0.00067
110-82-7	Cyclohexane	0.0595		0.0067	0.0021
106-93-4	1,2-Dibromoethane	0.0500		0.0067	0.00067
75-35-4	1,1-Dichlorethylene	0.0560		0.0067	0.0023
75-34-3	1,1-Dichloroethane	0.0599		0.0067	0.0021
107-06-2	1,2-Dichloroethane	0.0623		0.0067	0.0013
78-87-5	1,2-Dichloropropane	0.0544		0.0067	0.0012
542-75-6	1,3-Dichloropropene, Total	0.100		0.013	
141-78-6	Ethyl acetate	<0.0067		0.0067	0.0014
100-41-4	Ethylbenzene	0.0468		0.0067	0.0010
74-88-4	Iodomethane	0.0476		0.013	0.0049
98-82-8	Isopropylbenzene	0.0418		0.0067	0.00099
79-20-9	Methyl acetate	0.0312		0.0067	0.00099
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0505		0.013	0.0011
108-87-2	Methylcyclohexane	0.0439		0.0067	0.0016
75-09-2	Methylene Chloride	0.0554		0.0067	0.0017
78-93-3	Methyl ethyl ketone (MEK)	0.0535		0.013	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0597		0.013	0.00067
1634-04-4	Methyl tert-butyl ether	0.0614		0.0067	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.020
110-54-3	n-Hexane	0.0603		0.0067	0.0027
103-65-1	n-Propylbenzene	0.0371		0.0067	0.0027

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MSD | Lab Sample ID: 510-69047-7 MSD

Matrix: Solid | Lab File ID: E2898.D

Analysis Method: 8260B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 32.256(g) | Date Analyzed: 08/23/2011 14:15

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: 624/8260 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 85487 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	0.0415		0.0067	0.00090
630-20-6	1,1,1,2-Tetrachloroethane	0.0570		0.0067	0.00092
79-34-5	1,1,2,2-Tetrachloroethane	0.0560		0.0067	0.0015
127-18-4	Tetrachloroethylene	0.0425		0.0067	0.0015
108-88-3	Toluene	0.0473		0.0067	0.0015
156-60-5	trans-1,2-Dichloroethylene	0.0548		0.0067	0.0023
10061-02-6	trans-1,3-Dichloropropene	0.0507		0.0067	0.00067
71-55-6	1,1,1-Trichloroethane	0.0579		0.0067	0.0015
79-00-5	1,1,2-Trichloroethane	0.0531		0.0067	0.00093
79-01-6	Trichloroethene	0.0470		0.0067	0.0016
75-69-4	Trichlorofluoromethane	0.0579		0.0067	0.0023
95-63-6	1,2,4-Trimethylbenzene	0.0347		0.0067	0.0027
108-67-8	1,3,5-Trimethylbenzene	0.0357		0.0067	0.00099
108-05-4	Vinyl acetate	0.0971		0.0067	0.0017
75-01-4	Vinyl chloride	0.0586		0.0067	0.0030
1330-20-7	Xylenes, Total	0.142		0.013	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	102		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	136		76-137
2037-26-5	Toluene-d8 (Surr)	94		70-130

Report Date: 24-Aug-2011 08:46:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D
Lims ID: 510-69047-D-7-C MSD Client ID: SSW-1
Inject. Date: 23-Aug-2011 14:15:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 510-69047-D-7-C MSD
Misc. Info.: 510-0005425-019 =510-0005425-019
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 19
Lims Batch ID: 85487 Lims Sample ID: 19
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110823-5425.b\8260-SO-VMSA-E.m
Last Update: 23-Aug-2011 12:22:44 Calib Date: 19-Aug-2011 07:38:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110819-5409.b\E2757.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 24-Aug-2011 08:46:40

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.917	6.919	-0.002	97	1509642	50.0	
* 2 Chlorobenzene-d5	117	10.658	10.655	0.003	88	1037394	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.921	-0.002	96	586402	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.539	6.536	0.003	0	513232	67.8	
$ 100 BFB	95	7.342	7.159	0.183	0	436204	0	
$ 6 Toluene-d8 (Surr)	98	8.790	8.793	-0.003	85	1438477	47.0	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.261	0.003	83	594362	50.9	
8 Dichlorodifluoromethane	85	2.105	2.107	-0.002	99	605539	37.4	
9 Chloromethane	50	2.317	2.314	0.003	88	417527	42.2	
10 Vinyl chloride	62	2.445	2.442	0.003	80	532758	43.6	
11 Bromomethane	94	2.822	2.789	0.033	92	142283	41.4	
12 Chloroethane	64	2.938	2.916	0.022	91	372989	42.7	
13 Trichlorofluoromethane	101	3.206	3.190	0.016	80	812539	43.1	
16 1,1-Dichloroethene	96	3.765	3.762	0.003	89	392429	41.7	
18 Acetone	58	3.820	3.811	0.009	96	56247	52.4	
19 Iodomethane	142	3.936	3.932	0.004	97	212476	35.4	
20 Carbon disulfide	76	4.015	4.005	0.010	100	1240537	43.5	
21 Methyl acetate	43	4.167	4.164	0.003	96	180889	23.2	
22 Methylene Chloride	84	4.289	4.279	0.009	84	393893	41.2	
23 2-Methyl-2-propanol	59	4.392	4.395	-0.003	31	184573	206.8	M
24 Acrylonitrile	53	4.538	4.529	0.009	98	97521	46.2	
25 trans-1,2-Dichloroethene	96	4.574	4.571	0.003	71	427498	40.8	
26 Methyl tert-butyl ether	73	4.574	4.571	0.003	91	1075912	45.7	
27 Hexane	57	4.866	4.863	0.003	93	473897	44.9	
28 1,1-Dichloroethane	63	5.019	5.015	0.004	85	792812	44.6	
29 Vinyl acetate	43	5.073	5.076	-0.003	98	1179949	72.3	
30 Isopropyl ether	45	5.092	5.088	0.004	0	1149662	42.2	M
31 Tert-butyl ethyl ether	59	5.475	5.478	-0.003	91	968883	42.0	
32 cis-1,2-Dichloroethene	96	5.639	5.636	0.003	88	458567	38.1	
33 2,2-Dichloropropane	77	5.645	5.648	-0.003	80	712306	45.3	
34 2-Butanone (MEK)	72	5.651	5.648	0.003	42	55799	39.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
93 Propionitrile	54	5.712	5.709	0.003	0	38698	44.5	
35 Chlorobromomethane	130	5.901	5.897	0.004	88	234990	39.0	
95 Tetrahydrofuran	42	5.968	5.964	0.004	0	83736	45.0	
36 Chloroform	83	5.980	5.976	0.004	70	826883	47.4	
37 1,1,1-Trichloroethane	97	6.199	6.195	0.004	91	730893	43.1	
38 Cyclohexane	84	6.272	6.268	0.004	88	683480	44.3	
39 1,1-Dichloropropene	75	6.381	6.378	0.003	92	644316	40.0	
40 Carbon tetrachloride	117	6.387	6.390	-0.003	76	630656	42.5	
41 Benzene	78	6.618	6.615	0.003	92	1679285	37.2	
42 1,2-Dichloroethane	62	6.625	6.621	0.004	49	573488	46.4	
43 Isobutyl alcohol	41	6.728	6.725	0.003	40	154274	47.1	
44 Tert-amyl methyl ether	73	6.728	6.725	0.003	94	981374	41.9	
45 Trichloroethene	132	7.342	7.339	0.003	90	401530	35.0	
46 Methylcyclohexane	83	7.574	7.570	0.004	93	633753	32.7	
47 1,2-Dichloropropane	63	7.604	7.601	0.003	86	432748	40.5	
48 Dibromomethane	93	7.738	7.735	0.003	85	218138	41.9	
49 Dichlorobromomethane	83	7.914	7.911	0.003	91	547113	41.5	
54 cis-1,3-Dichloropropene	75	8.450	8.452	-0.002	91	518754	37.1	
52 4-Methyl-2-pentanone (MIBK)	43	8.632	8.629	0.003	97	279068	44.4	
53 Toluene	91	8.875	8.872	0.003	79	1636340	35.2	
51 trans-1,3-Dichloropropene	75	9.131	9.134	-0.003	90	450524	37.7	
55 Ethyl methacrylate	69	9.240	9.237	0.003	78	498190	42.8	
56 1,1,2-Trichloroethane	83	9.368	9.365	0.003	95	268476	39.5	
57 Tetrachloroethene	164	9.575	9.572	0.003	83	290374	31.6	
58 1,3-Dichloropropane	76	9.587	9.584	0.003	89	570724	40.5	
59 2-Hexanone	43	9.685	9.681	0.004	80	188718	37.6	
60 Chlorodibromomethane	129	9.885	9.882	0.003	89	304804	37.5	
61 Ethylene Dibromide	107	10.043	10.040	0.003	99	260380	37.2	
62 Chlorobenzene	112	10.694	10.691	0.003	95	823342	33.3	
63 1,1,1,2-Tetrachloroethane	131	10.798	10.795	0.003	90	346245	42.4	
64 Ethylbenzene	91	10.834	10.837	-0.003	97	1541282	34.8	
65 m-Xylene & p-Xylene	91	10.999	10.995	0.004	0	2248708	71.9	
66 o-Xylene	91	11.540	11.537	0.003	91	1177078	33.5	
67 Styrene	104	11.558	11.555	0.003	89	756172	30.9	
68 Bromoform	173	11.808	11.811	-0.002	93	158860	39.7	
69 Isopropylbenzene	105	12.051	12.048	0.003	96	1226573	31.1	
71 1,1,2,2-Tetrachloroethane	83	12.459	12.455	0.004	96	351512	41.7	
70 Bromobenzene	156	12.483	12.480	0.003	91	278638	28.5	
72 1,2,3-Trichloropropane	75	12.526	12.522	0.004	87	427147	41.3	
73 trans-1,4-Dichloro-2-butene	53	12.538	12.541	-0.003	40	82595	41.7	
74 N-Propylbenzene	91	12.629	12.632	-0.003	95	1463800	27.6	
75 2-Chlorotoluene	91	12.757	12.753	0.004	94	884326	30.8	
76 1,3,5-Trimethylbenzene	105	12.884	12.881	0.003	1	983533	26.6	M
77 4-Chlorotoluene	91	12.909	12.906	0.003	90	1001682	27.3	
78 tert-Butylbenzene	119	13.347	13.350	-0.003	89	822857	28.0	
80 1,2,4-Trimethylbenzene	105	13.420	13.423	-0.003	60	966424	25.8	
81 sec-Butylbenzene	105	13.669	13.666	0.003	94	1124045	23.2	
82 1,3-Dichlorobenzene	146	13.827	13.824	0.003	95	419054	22.8	
79 4-Isopropyltoluene	119	13.876	13.879	-0.003	86	928802	23.3	
83 1,4-Dichlorobenzene	146	13.955	13.952	0.003	75	416714	20.4	
99 1,2,3-Trimethylbenzene	105	14.034	14.031	0.003	0	6699	0.1860	
84 n-Butylbenzene	91	14.478	14.475	0.003	94	758554	19.8	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	85 1,2-Dichlorobenzene	146	14.497	14.493	0.004	93	391689	21.7	
	86 1,2-Dibromo-3-Chloropropane	157	15.634	15.637	-0.003	60	41828	28.9	
	87 1,2,4-Trichlorobenzene	180	16.863	16.866	-0.003	90	96202	8.79	
	88 Hexachlorobutadiene	225	17.125	17.127	-0.002	94	134055	16.0	
	89 Naphthalene	128	17.228	17.231	-0.003	99	152331	7.39	
	90 1,2,3-Trichlorobenzene	180	17.593	17.590	0.003	94	100332	9.74	
S	91 Xylenes, Total	100				0		105.3	
S	92 Total 1,2-dichloroethene	100				0		78.9	

QC Flag Legend

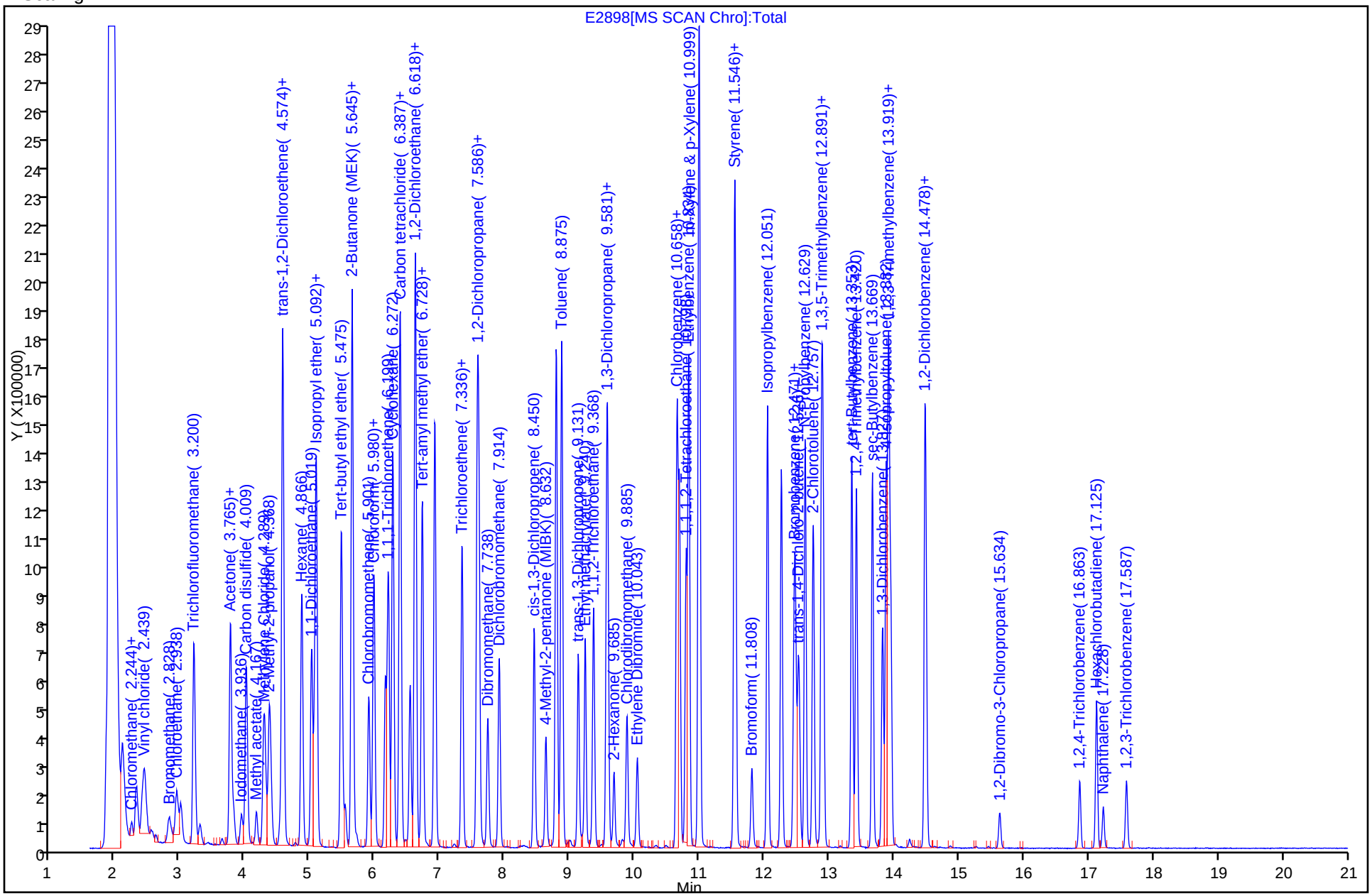
Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 08:46:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D

Injection Date:	23-Aug-2011 14:15:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	19
Operator ID:	WH		

Y Scaling:



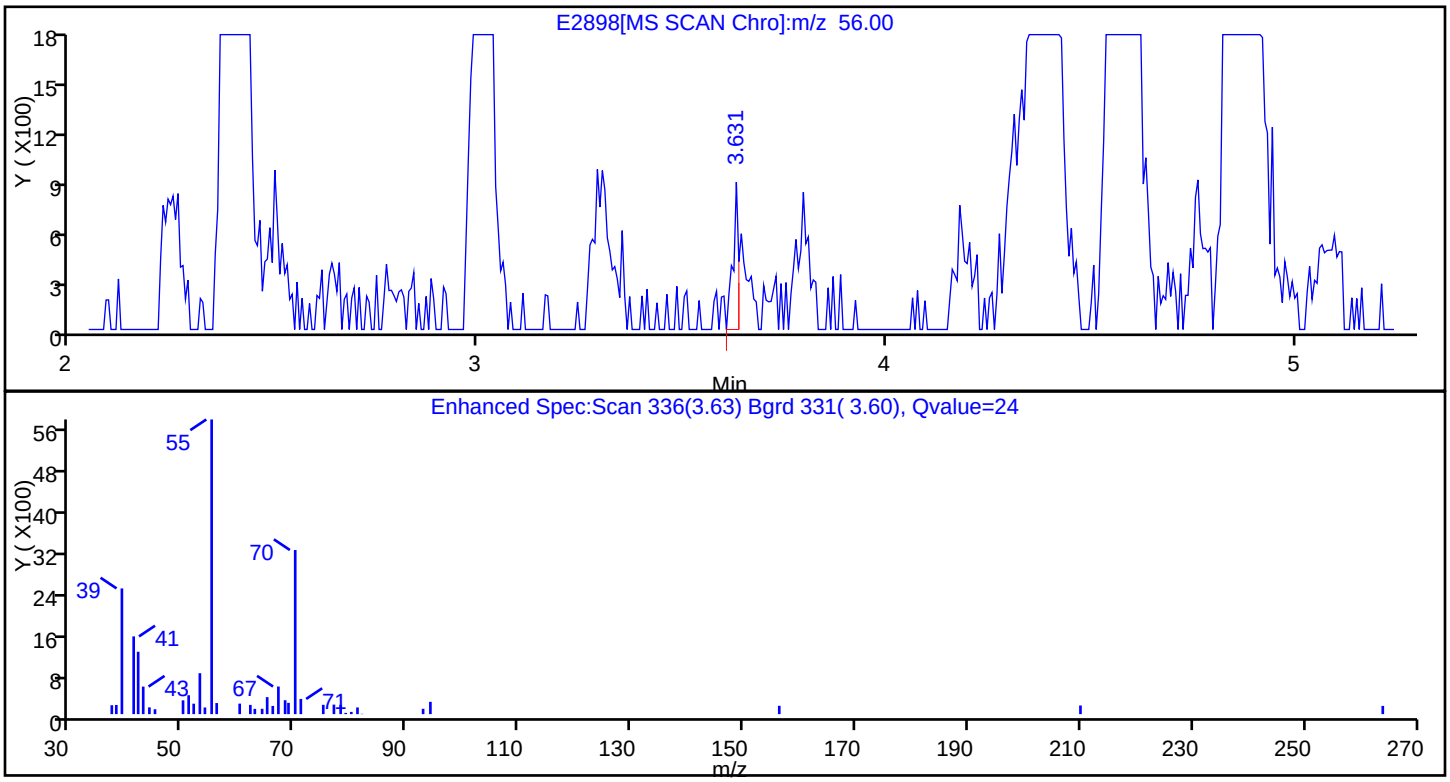
Report Date: 24-Aug-2011 08:46:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D		
Injection Date:	23-Aug-2011 14:15:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	19
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.63	56.00	787	1.267300
3.63	55.00	15973	

Reviewer: hallj, 24-Aug-2011 08:46:40
Audit Action: Marked Compound Undetected
Audit Reason:

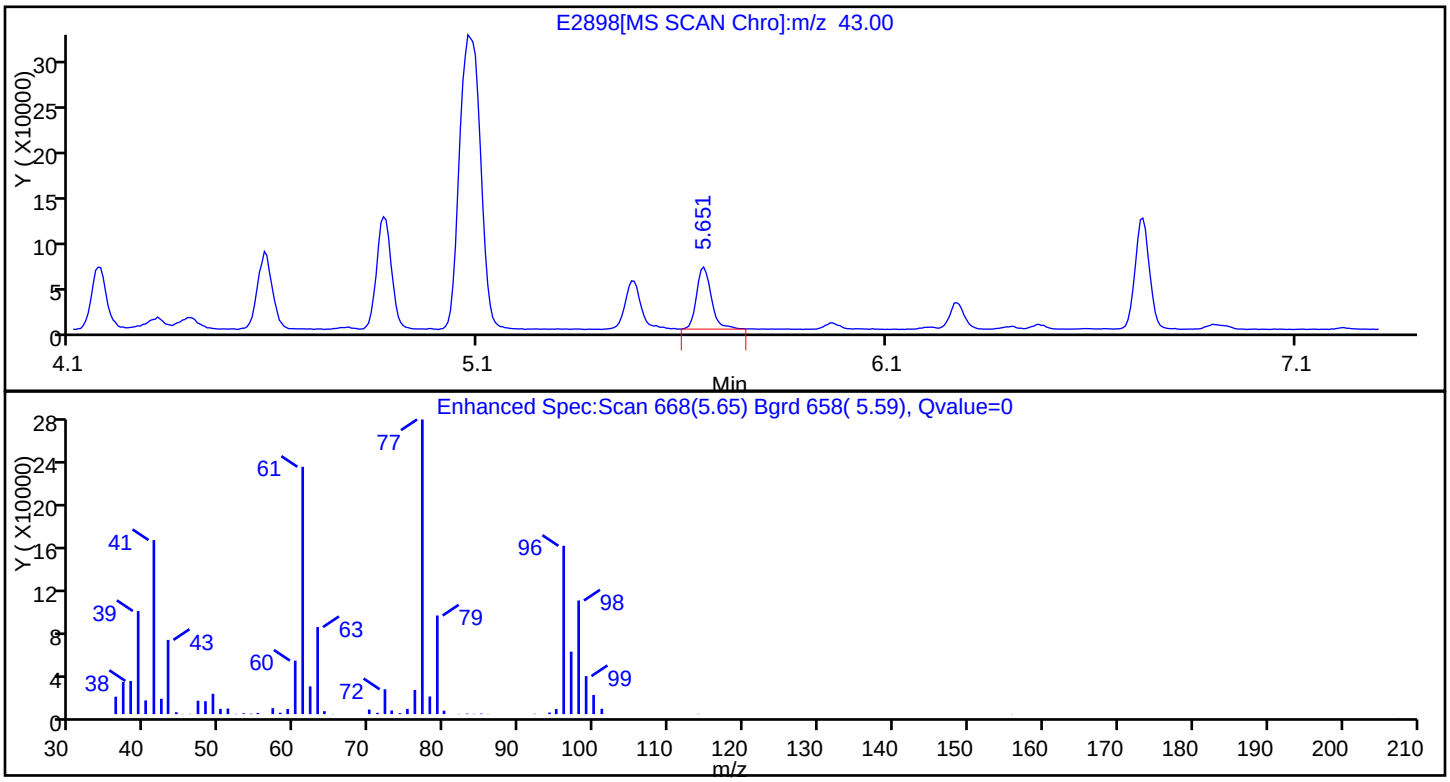
Report Date: 24-Aug-2011 08:46:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D		
Injection Date:	23-Aug-2011 14:15:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	19
Operator ID:	WH		

105 Ethyl acetate

Processing Results



RT	Mass	Response	Amount
5.65	43.00	174085	21.785126
5.64	61.00	676454	
5.65	70.00	11024	

Reviewer: hallj, 24-Aug-2011 08:46:40

Audit Action: Marked Compound Undetected

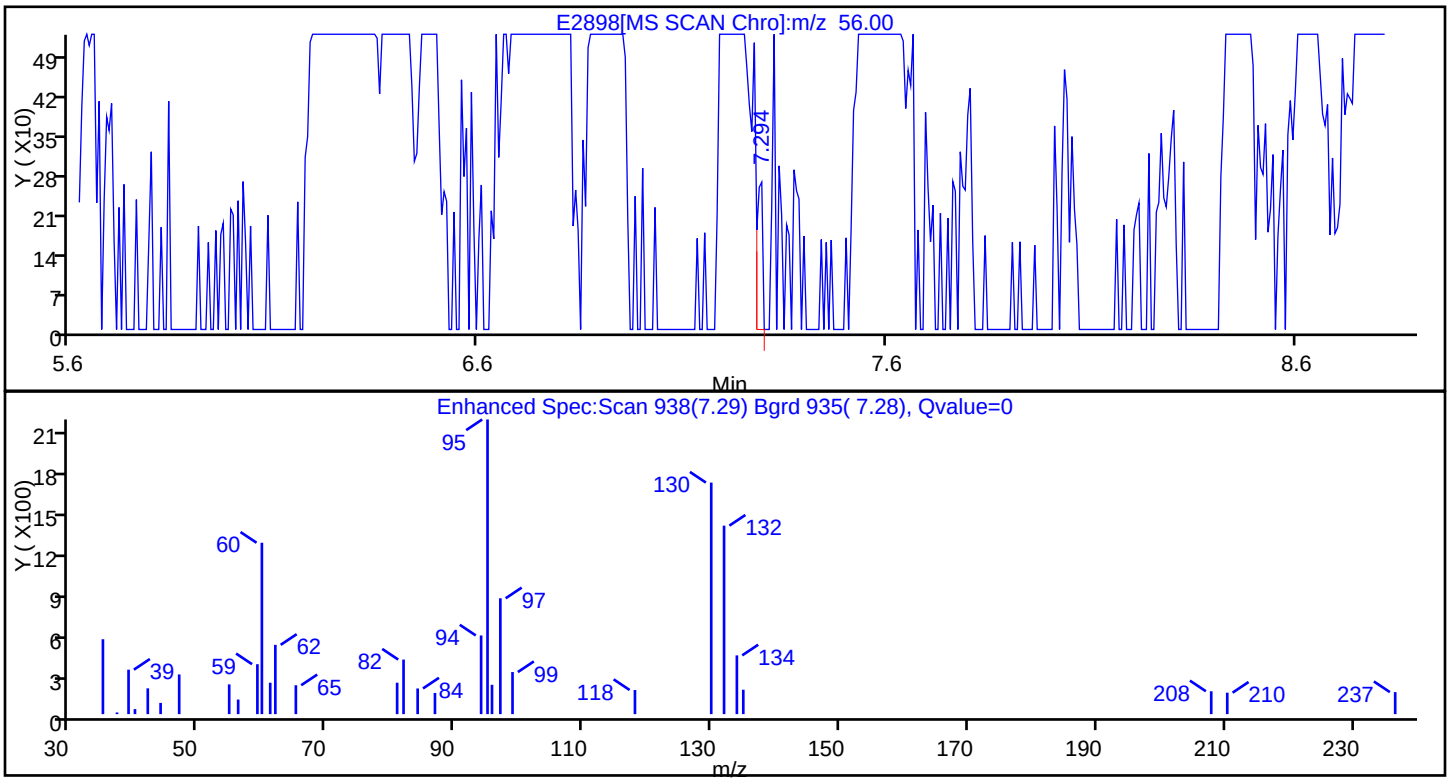
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D		
Injection Date:	23-Aug-2011 14:15:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	19
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.29	56.00	253	1.271116
7.29	41.00	341	
7.29	43.00	304	

Reviewer: hallj, 24-Aug-2011 08:46:40
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 24-Aug-2011 08:46:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

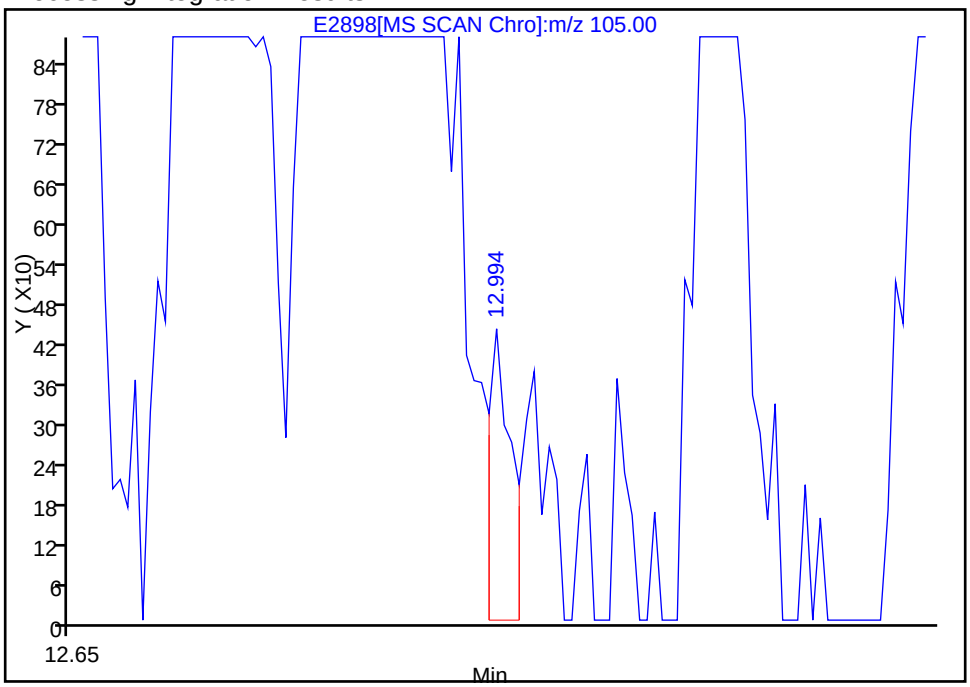
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110823-5425.b\E2898.D		
Injection Date:	23-Aug-2011 14:15:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SSW-1	Instrument ID:	VMSA
Lims Batch ID:	85487	Lims Sample ID:	19
Operator ID:	WH		

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

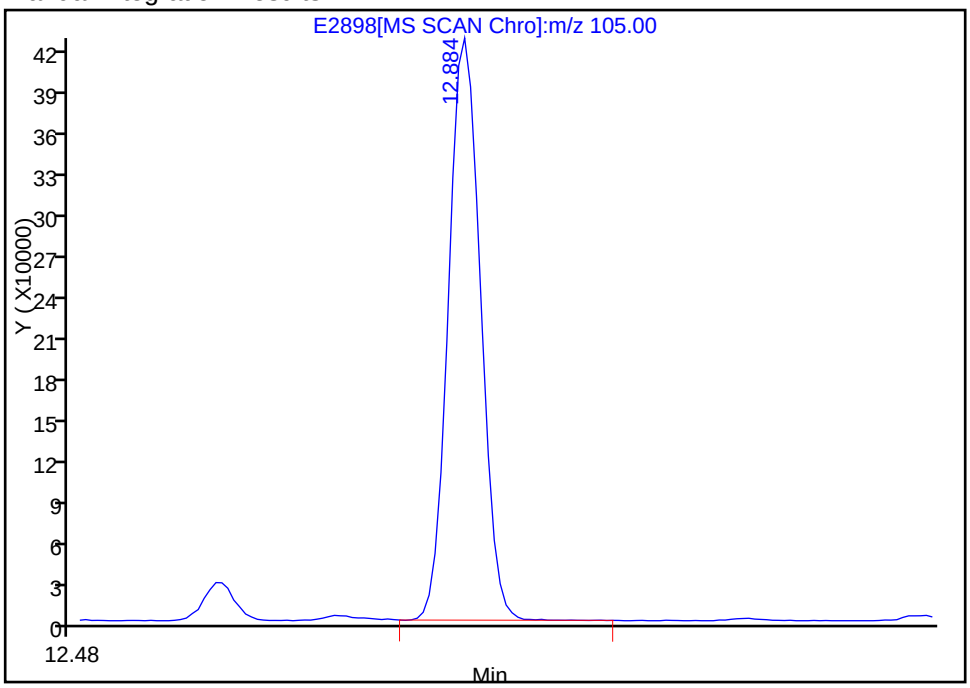
Processing Integration Results

RT: 12.99
Response: 553
Amount: 0.342511



Manual Integration Results

RT: 12.88
Response: 983533
Amount: 26.553243



Reviewer: hallj, 24-Aug-2011 08:46:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Start Date: 08/19/2011 03:40

Analysis Batch Number: 85337 End Date: 08/19/2011 14:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-85337/1		08/19/2011 03:40	1	E2750.D	624/8260 0.2(mm)
STD005 510-85337/2 IC		08/19/2011 04:10	1	E2751.D	624/8260 0.2(mm)
STD010 510-85337/3 IC		08/19/2011 04:44	1	E2752.D	624/8260 0.2(mm)
STD020 510-85337/4 IC		08/19/2011 05:19	1	E2753.D	624/8260 0.2(mm)
STD050 510-85337/5 ICIS		08/19/2011 05:54	1	E2754.D	624/8260 0.2(mm)
STD100 510-85337/6 IC		08/19/2011 06:29	1	E2755.D	624/8260 0.2(mm)
STD150 510-85337/7 IC		08/19/2011 07:04	1	E2756.D	624/8260 0.2(mm)
STD200 510-85337/8 IC		08/19/2011 07:38	1	E2757.D	624/8260 0.2(mm)
ZZZZZ		08/19/2011 09:43	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 10:23	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 10:58	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 11:32	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 12:07	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 12:42	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 13:16	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 13:51	1		624/8260 0.2(mm)
ZZZZZ		08/19/2011 14:25	1		624/8260 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSA Start Date: 08/23/2011 04:39

Analysis Batch Number: 85487 End Date: 08/23/2011 16:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-85487/3		08/23/2011 04:39	1	E2882.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 05:11	1		624/8260 0.2(mm)
STD050 510-85487/5 CCVIS		08/23/2011 05:45	1	E2884.D	624/8260 0.2(mm)
LCS 510-85487/6		08/23/2011 06:33	1	E2885.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 07:18	1		624/8260 0.2(mm)
MB 510-85487/8		08/23/2011 07:53	1	E2887.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 08:28	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 09:02	1		624/8260 0.2(mm)
510-69047-1	NSW-1	08/23/2011 09:37	1	E2890.D	624/8260 0.2(mm)
510-69047-2	ESW-1	08/23/2011 10:12	1	E2891.D	624/8260 0.2(mm)
510-69047-3	WSW-1	08/23/2011 10:46	1	E2892.D	624/8260 0.2(mm)
510-69047-4	WFS-1	08/23/2011 11:21	1	E2893.D	624/8260 0.2(mm)
510-69047-5	EFS-1	08/23/2011 11:56	1	E2894.D	624/8260 0.2(mm)
510-69047-6	FIELD DUPLICATE	08/23/2011 12:30	1	E2895.D	624/8260 0.2(mm)
510-69047-7	SSW-1	08/23/2011 13:05	1	E2896.D	624/8260 0.2(mm)
510-69047-7 MS	SSW-1 MS	08/23/2011 13:40	1	E2897.D	624/8260 0.2(mm)
510-69047-7 MSD	SSW-1 MSD	08/23/2011 14:15	1	E2898.D	624/8260 0.2(mm)
510-69047-9	Sodium Bisulfate/Methanol Blank	08/23/2011 14:50	1	E2899.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 15:24	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 15:59	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 16:34	1		624/8260 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Start Date: 08/17/2011 10:15

Analysis Batch Number: 85201 End Date: 08/17/2011 17:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-85201/1		08/17/2011 10:15	1	A1895.D	624/8260 0.2(mm)
STD001 510-85201/2 IC		08/17/2011 10:41	1	A1896.D	624/8260 0.2(mm)
STD002 510-85201/3 IC		08/17/2011 11:14	1	A1897.D	624/8260 0.2(mm)
STD005 510-85201/4 IC		08/17/2011 11:46	1	A1898.D	624/8260 0.2(mm)
STD010 510-85201/5 IC		08/17/2011 12:19	1	A1899.D	624/8260 0.2(mm)
STD050 510-85201/7 ICIS		08/17/2011 13:24	1	A1901.D	624/8260 0.2(mm)
STD100 510-85201/8 IC		08/17/2011 13:56	1	A1902.D	624/8260 0.2(mm)
STD150 510-85201/9 IC		08/17/2011 14:28	1	A1903.D	624/8260 0.2(mm)
STD200 510-85201/10 IC		08/17/2011 15:01	1	A1904.D	624/8260 0.2(mm)
ZZZZZ		08/17/2011 15:32	1		624/8260 0.2(mm)
ZZZZZ		08/17/2011 16:03	1		624/8260 0.2(mm)
ZZZZZ		08/17/2011 16:34	1		624/8260 0.2(mm)
STD020 510-85201/14 IC		08/17/2011 17:07	1	A1908.D	624/8260 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Start Date: 08/23/2011 08:12

Analysis Batch Number: 85489 End Date: 08/23/2011 22:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-85489/1		08/23/2011 08:12	1	A2100.D	624/8260 0.2(mm)
CCVIS 510-85489/2		08/23/2011 08:38	1	A2101.D	624/8260 0.2(mm)
LCS 510-85489/3		08/23/2011 09:15	1	A2102.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 09:52	1		624/8260 0.2(mm)
MB 510-85489/5		08/23/2011 10:25	1	A2104.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 10:57	1		624/8260 0.2(mm)
510-69047-8	TRIP BLANK	08/23/2011 11:29	1	A2106.D	624/8260 0.2(mm)
ZZZZZ		08/23/2011 12:02	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 12:35	10		624/8260 0.2(mm)
ZZZZZ		08/23/2011 13:07	10		624/8260 0.2(mm)
ZZZZZ		08/23/2011 13:40	100		624/8260 0.2(mm)
ZZZZZ		08/23/2011 14:13	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 14:45	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 15:17	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 15:50	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 16:22	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 16:55	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 17:27	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 18:00	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 18:32	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 19:05	50		624/8260 0.2(mm)
ZZZZZ		08/23/2011 19:37	10		624/8260 0.2(mm)
ZZZZZ		08/23/2011 20:10	10		624/8260 0.2(mm)
ZZZZZ		08/23/2011 20:41	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 21:12	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 21:43	1		624/8260 0.2(mm)
ZZZZZ		08/23/2011 22:15	1		624/8260 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: VMSB Start Date: 08/24/2011 11:25

Analysis Batch Number: 85568 End Date: 08/24/2011 19:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-85568/1		08/24/2011 11:25	1	A2140.D	624/8260 0.2(mm)
STD001 510-85568/2 IC		08/24/2011 11:54	1	A2141.D	624/8260 0.2(mm)
STD002 510-85568/3 IC		08/24/2011 12:27	1	A2142.D	624/8260 0.2(mm)
STD005 510-85568/4 IC		08/24/2011 13:00	1	A2143.D	624/8260 0.2(mm)
STD010 510-85568/5 IC		08/24/2011 13:34	1	A2144.D	624/8260 0.2(mm)
STD020 510-85568/6 IC		08/24/2011 14:07	1	A2145.D	624/8260 0.2(mm)
STD050 510-85568/7 ICIS		08/24/2011 14:40	1	A2146.D	624/8260 0.2(mm)
STD100 510-85568/8 IC		08/24/2011 15:14	1	A2147.D	624/8260 0.2(mm)
STD150 510-85568/9 IC		08/24/2011 15:47	1	A2148.D	624/8260 0.2(mm)
STD200 510-85568/10 IC		08/24/2011 16:20	1	A2149.D	624/8260 0.2(mm)
ZZZZZ		08/24/2011 16:53	1		624/8260 0.2(mm)
ZZZZZ		08/24/2011 17:26	1		624/8260 0.2(mm)
LCS 510-85568/13		08/24/2011 17:59	1	A2152.D	624/8260 0.2(mm)
ZZZZZ		08/24/2011 18:33	1		624/8260 0.2(mm)
MB 510-85568/15		08/24/2011 19:06	1	A2154.D	624/8260 0.2(mm)
510-69047-8 RA	TRIP BLANK RA	08/24/2011 19:39	1	A2155.D	624/8260 0.2(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Batch Number: 85493 Batch Start Date: 08/19/11 17:00 Batch Analyst: Hobart, Wes E

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
510-69047-D-1	NSW-1	5035, 8260B	T	31.860 g	38.2220 g				
510-69047-D-2	ESW-1	5035, 8260B	T	32.092 g	39.4728 g				
510-69047-D-3	WSW-1	5035, 8260B	T	32.045 g	37.2907 g				
510-69047-D-4	WFS-1	5035, 8260B	T	32.099 g	36.8285 g				
510-69047-D-5	EFS-1	5035, 8260B	T	31.975 g	37.7839 g				
510-69047-D-6	FIELD DUPLICATE	5035, 8260B	T	31.639 g	37.1257 g				
510-69047-D-7	SSW-1	5035, 8260B	T	31.945 g	38.5891 g				
510-69047-D-7 MS	SSW-1	5035, 8260B	T	31.828 g	37.3854 g				
510-69047-D-7 MSD	SSW-1	5035, 8260B	T	32.256 g	38.7938 g				
510-69047-A-9	Sodium Bisulfate/Methanol Blank	5035, 8260B	T	31.676 g	31.676 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

Method 8270C SIM

Semivolatile Organic Compounds (GC/MS SIM) by Method 8270C (SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): 8270/625 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
NSW-1	510-69047-1	61	69	191
ESW-1	510-69047-2	41	65	137
WSW-1	510-69047-3	28	48	123
WFS-1	510-69047-4	39	62	131
EFS-1	510-69047-5	34	64	170
FIELD DUPLICATE	510-69047-6	29	59	159
SSW-1	510-69047-7	23	63	156
	MB 510-85491/1-A	63	63	87
	LCS 510-85491/2-A	61	62	89
SSW-1 MS	510-69047-7 MS	32	54	123
SSW-1 MSD	510-69047-7 MSD	40	62	154

	QC LIMITS
NBZ = Nitrobenzene-d5	10-117
FBP = 2-Fluorobiphenyl	16-110
TPH = Terphenyl-d14	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.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C4953.D

Lab ID: LCS 510-85491/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.67	1.22	73	10-118	
Acenaphthylene	1.67	1.15	69	10-151	
Anthracene	1.67	1.20	72	16-148	
Benzo[a]anthracene	1.67	1.26	76	15-154	
Benzo[a]pyrene	1.67	1.74	105	19-168	
Benzo[b]fluoranthene	1.67	1.91	115	14-152	
Benzo[g,h,i]perylene	1.67	1.77	106	21-112	
Benzo[k]fluoranthene	1.67	1.36	82	24-116	
Chrysene	1.67	0.930	56	29-107	
Dibenz(a,h)anthracene	1.67	1.65	99	34-107	
Fluoranthene	1.67	1.35	81	29-120	
Pyrene	1.67	1.23	74	26-120	
Fluorene	1.67	1.28	77	28-110	
Indeno[1,2,3-cd]pyrene	1.67	1.63	98	27-110	
Naphthalene	1.67	1.17	70	10-106	
Phenanthrene	1.67	1.19	72	22-115	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C4962.D

Lab ID: 510-69047-7 MS Client ID: SSW-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	1.80	<0.021	1.11	62	10-118	
Acenaphthylene	1.80	<0.021	1.04	58	10-151	
Anthracene	1.80	<0.021	1.28	71	16-148	
Benzo[a]anthracene	1.80	0.11	1.27	65	15-154	
Benzo[a]pyrene	1.80	0.088	1.55	81	19-168	
Benzo[b]fluoranthene	1.80	0.17	1.45	71	14-152	
Benzo[g,h,i]perylene	1.80	0.057	1.46	78	21-112	
Benzo[k]fluoranthene	1.80	0.031	1.64	89	24-116	
Chrysene	1.80	0.074	1.34	70	29-107	
Dibenz(a,h)anthracene	1.80	<0.021	1.55	86	34-107	
Fluoranthene	1.80	0.097	0.949	47	29-120	
Pyrene	1.80	0.28	2.50	123	26-120	F
Fluorene	1.80	<0.021	1.18	65	28-110	
Indeno[1,2,3-cd]pyrene	1.80	0.078	1.40	73	27-110	
Naphthalene	1.80	<0.021	0.988	54	10-106	
Phenanthrene	1.80	0.050	1.20	64	22-115	

Column to be used to flag recovery and RPD values

FORM III 8270C SIM

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C4963.D

Lab ID: 510-69047-7 MSD Client ID: SSW-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	1.86	1.20	64	7	25	10-118	
Acenaphthylene	1.86	1.17	63	12	25	10-151	
Anthracene	1.86	1.23	66	4	25	16-148	
Benzo[a]anthracene	1.86	1.32	65	4	25	15-154	
Benzo[a]pyrene	1.86	1.47	74	5	25	19-168	
Benzo[b]fluoranthene	1.86	1.58	76	8	25	14-152	
Benzo[g,h,i]perylene	1.86	1.25	64	15	25	21-112	
Benzo[k]fluoranthene	1.86	1.55	82	5	25	24-116	
Chrysene	1.86	1.32	67	2	25	29-107	
Dibenz(a,h)anthracene	1.86	1.35	72	14	25	34-107	
Fluoranthene	1.86	0.792	37	18	25	29-120	
Pyrene	1.86	2.89	140	14	25	26-120	F
Fluorene	1.86	1.28	69	8	25	28-110	
Indeno[1,2,3-cd]pyrene	1.86	1.21	61	14	25	27-110	
Naphthalene	1.86	1.24	66	23	25	10-106	
Phenanthrene	1.86	1.25	65	4	25	22-115	

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.: 510-69047-1

SDG No.:

Lab File ID: C4952.D Lab Sample ID: MB 510-85491/1-A

Matrix: Solid Date Extracted: 08/23/2011 08:15

Instrument ID: SMSB Date Analyzed: 08/23/2011 15:40

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-85491/2-A	C4953.D	08/23/2011 16:00
NSW-1	510-69047-1	C4955.D	08/23/2011 16:41
ESW-1	510-69047-2	C4956.D	08/23/2011 17:01
WSW-1	510-69047-3	C4957.D	08/23/2011 17:22
WFS-1	510-69047-4	C4958.D	08/23/2011 17:42
EFS-1	510-69047-5	C4959.D	08/23/2011 18:03
FIELD DUPLICATE	510-69047-6	C4960.D	08/23/2011 18:23
SSW-1	510-69047-7	C4961.D	08/23/2011 18:43
SSW-1 MS	510-69047-7 MS	C4962.D	08/23/2011 19:04
SSW-1 MSD	510-69047-7 MSD	C4963.D	08/23/2011 19:24

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: C4920.D DFTPP Injection Date: 08/19/2011

Instrument ID: SMSB DFTPP Injection Time: 10:07

Analysis Batch No.: 85359

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	47.1	
68	Less than 2.0 % of mass 69	0.3	(0.5)1
69	Mass 69 relative abundance	63.2	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	55.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.8	
275	10.0 - 30.0 % of mass 198	20.9	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	7.9	
442	Greater than 40.0 % of mass 198	59.5	
443	17.0 - 23.0 % of mass 442	11.8	(19.8)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
	IC 510-85359/2	C4921.D	08/19/2011	10:22
	IC 510-85359/3	C4922.D	08/19/2011	10:43
	IC 510-85359/4	C4923.D	08/19/2011	11:05
	IC 510-85359/5	C4924.D	08/19/2011	11:26
	IC 510-85359/6	C4925.D	08/19/2011	11:47
	IC 510-85359/7	C4926.D	08/19/2011	12:08
	IC 510-85359/8	C4927.D	08/19/2011	12:29
	IC 510-85359/9	C4928.D	08/19/2011	12:50

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab File ID: C4950.D DFTPP Injection Date: 08/23/2011

Instrument ID: SMSB DFTPP Injection Time: 14:56

Analysis Batch No.: 85539

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	49.1	
68	Less than 2.0 % of mass 69	1.1	(1.6)1
69	Mass 69 relative abundance	65.5	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	54.8	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	19.8	
365	Greater than 1.0 % of mass 198	2.8	
441	Present but less than mass 443	7.7	
442	Greater than 40.0 % of mass 198	53.7	
443	17.0 - 23.0 % of mass 442	11.3	(21.1)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
	SSTD020 510-85539/2	C4951.D	08/23/2011	15:10
	MB 510-85491/1-A	C4952.D	08/23/2011	15:40
	LCS 510-85491/2-A	C4953.D	08/23/2011	16:00
NSW-1	510-69047-1	C4955.D	08/23/2011	16:41
ESW-1	510-69047-2	C4956.D	08/23/2011	17:01
WSW-1	510-69047-3	C4957.D	08/23/2011	17:22
WFS-1	510-69047-4	C4958.D	08/23/2011	17:42
EFS-1	510-69047-5	C4959.D	08/23/2011	18:03
FIELD DUPLICATE	510-69047-6	C4960.D	08/23/2011	18:23
SSW-1	510-69047-7	C4961.D	08/23/2011	18:43
SSW-1 MS	510-69047-7 MS	C4962.D	08/23/2011	19:04
SSW-1 MSD	510-69047-7 MSD	C4963.D	08/23/2011	19:24

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Sample No.: SSTD020 510-85539/2 Date Analyzed: 08/23/2011 15:10

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C4951.D Heated Purge: (Y/N) N

Calibration ID: 4212

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		130512	2.38	271601	3.87	132553	5.96
UPPER LIMIT		261024	2.88	543202	4.37	265106	6.46
LOWER LIMIT		65256	1.88	135801	3.37	66277	5.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-85491/1-A		202195	2.37	413232	3.87	190268	5.96
LCS 510-85491/2-A		196969	2.37	384499	3.87	178218	5.97
510-69047-1	NSW-1	287953*	2.36	584784*	3.87	266868*	5.96
510-69047-2	ESW-1	312073*	2.36	612470*	3.87	270049*	5.96
510-69047-3	WSW-1	333472*	2.36	637888*	3.87	275605*	5.96
510-69047-4	WFS-1	322554*	2.36	622532*	3.87	263659	5.96
510-69047-5	EFS-1	323041*	2.36	620290*	3.87	300425*	5.97
510-69047-6	FIELD DUPLICATE	350982*	2.36	665065*	3.87	311462*	5.97
510-69047-7	SSW-1	332489*	2.36	637143*	3.87	269528*	5.96
510-69047-7 MS	SSW-1 MS	355159*	2.36	628796*	3.88	290690*	5.97
510-69047-7 MSD	SSW-1 MSD	342099*	2.36	598527*	3.88	274983*	5.97

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 8270C SIM

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Sample No.: SSTD020 510-85539/2 Date Analyzed: 08/23/2011 15:10

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C4951.D Heated Purge: (Y/N) N

Calibration ID: 4212

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		192622	7.79	140196	10.46	99548	11.55
UPPER LIMIT		385244	8.29	280392	10.96	199096	12.05
LOWER LIMIT		96311	7.29	70098	9.96	49774	11.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-85491/1-A		249537	7.79	161134	10.45	140814	11.56
LCS 510-85491/2-A		260881	7.79	165694	10.47	115228	11.55
510-69047-1	NSW-1	331019	7.80	29686*	10.47	13725*	11.57
510-69047-2	ESW-1	436850*	7.80	124272	10.46	58809	11.55
510-69047-3	WSW-1	436553*	7.80	131380	10.45	62561	11.55
510-69047-4	WFS-1	287739	7.80	29399*	10.47	15555*	11.57
510-69047-5	EFS-1	354901	7.80	55086*	10.45	27481*	11.56
510-69047-6	FIELD DUPLICATE	365029	7.80	57818*	10.45	27984*	11.56
510-69047-7	SSW-1	371735	7.80	70123	10.46	40524*	11.55
510-69047-7 MS	SSW-1 MS	385061	7.80	83623	10.47	54763	11.56
510-69047-7 MSD	SSW-1 MSD	373064	7.80	68282*	10.47	35424*	11.56

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 VIII 8270C SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: NSW-1 | Lab Sample ID: 510-69047-1

Matrix: Solid | Lab File ID: C4955.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:00

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.11(g) | Date Analyzed: 08/23/2011 16:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | 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
129-00-0	Pyrene	<0.021		0.021	0.0038
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	191		10-194
4165-60-0	Nitrobenzene-d5	61		10-117
321-60-8	2-Fluorobiphenyl	69		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4955.D		
Lims ID:	510-69047-I-1-B	Client ID:	NSW-1
Inject. Date:	23-Aug-2011 16:41:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-1		
Misc. Info.:	510-0005429-006 =510-0005429-006		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	85539	Lims Sample ID:	6
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 23-Aug-2011 17:01:06

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	287953	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		156118		25.1- 85.1	54.2	
$ 49 Nitrobenzene-d5									
82	3.038	3.030	0.008	1	243886	30.5	70.0- 130.0	100.0	
128	3.038	3.030	0.008		151708		22.6- 82.6	62.2	
54	3.038	3.030	0.008		117374		21.4- 81.4	48.1	
* 57 Naphthalene-d8									s
136	3.866	3.869	-0.003	1	584784	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.221	5.224	-0.003	1	446262	34.6			
* 73 Acenaphthene-d10									s
164	5.955	5.958	-0.003	1	266868	40.0	70.0- 130.0	100.0	
162	5.955	5.958	-0.003		236879		59.4- 119.4	88.8	
* 90 Phenanthrene-d10									
188	7.802	7.792	0.010	1	331019	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	9.611	9.589	0.022	1	55615	95.6	70.0- 130.0	100.0	
122	9.599	9.589	0.010		11300		0.0- 52.6	20.3	
* 103 Chrysene-d12									sM
240	10.467	10.457	0.010	0	29686	40.0	70.0- 130.0	100.0	M
* 109 Perylene-d12									sM
264	11.570	11.547	0.023	0	13725	40.0	70.0- 130.0	100.0	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

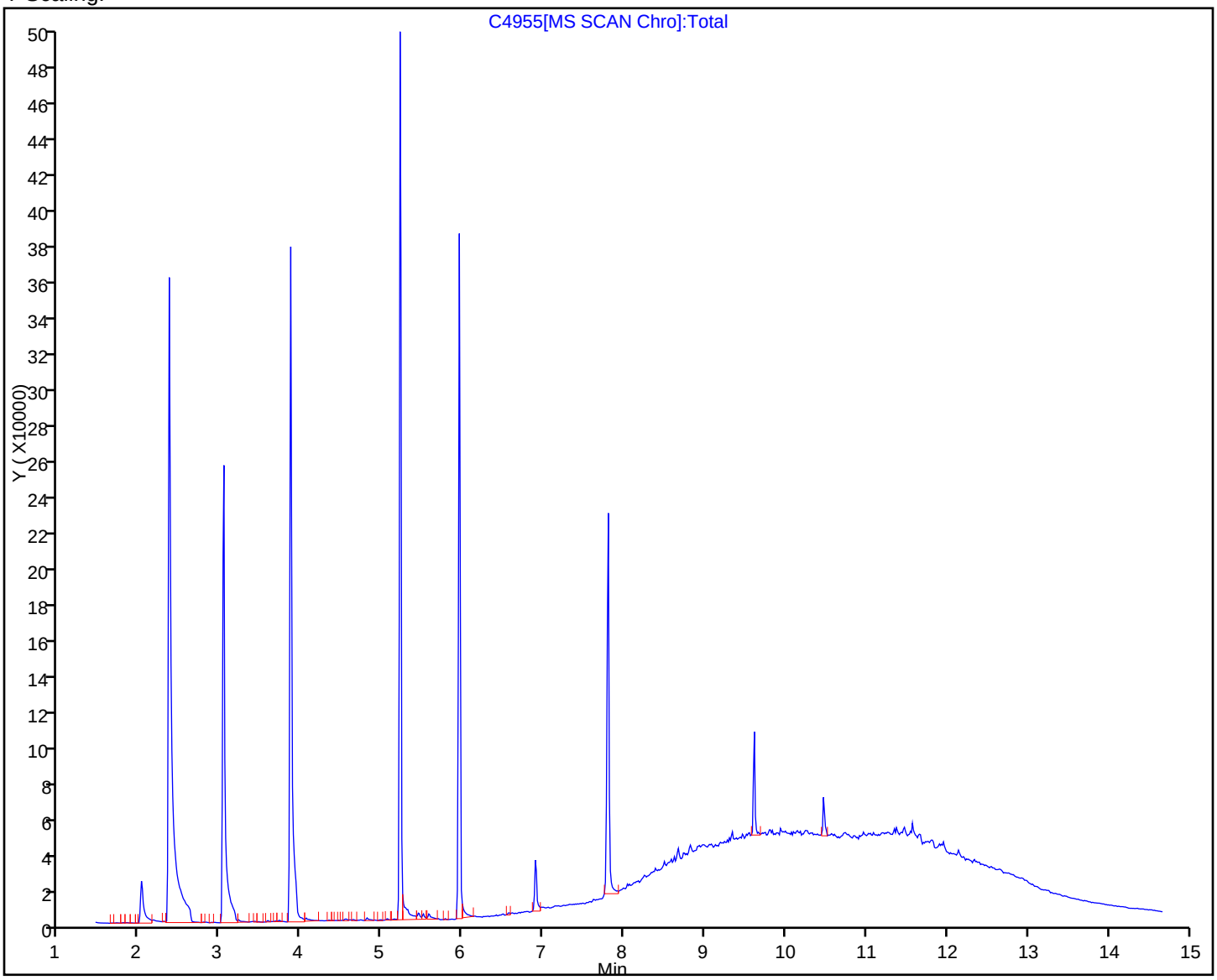
Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 17:01:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4955.D

Injection Date:	23-Aug-2011 16:41:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	NSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 23-Aug-2011 17:01:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

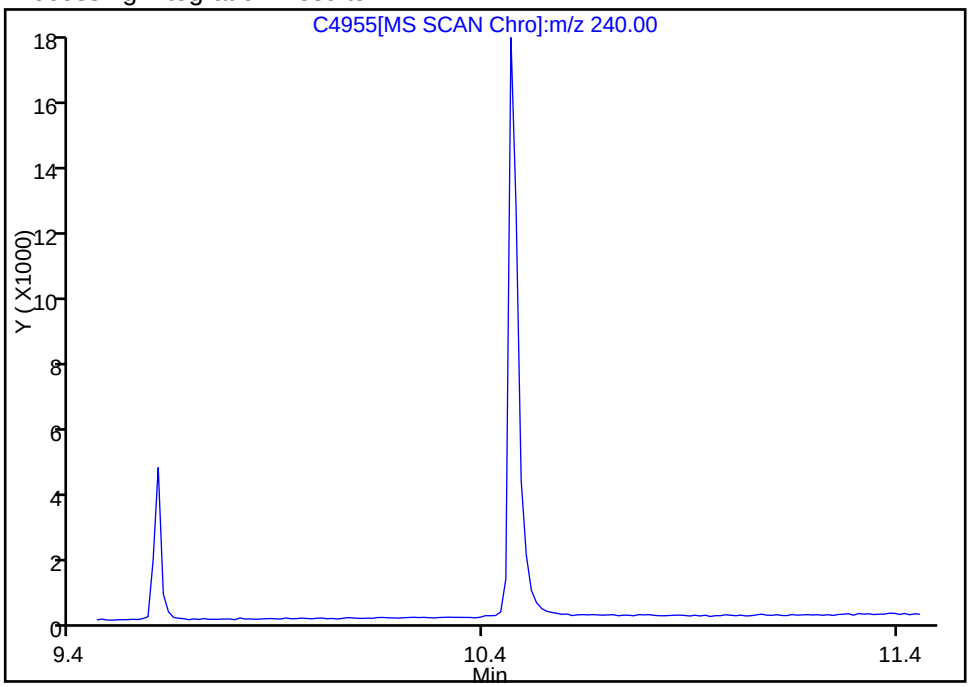
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4955.D		
Injection Date:	23-Aug-2011 16:41:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	NSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.46

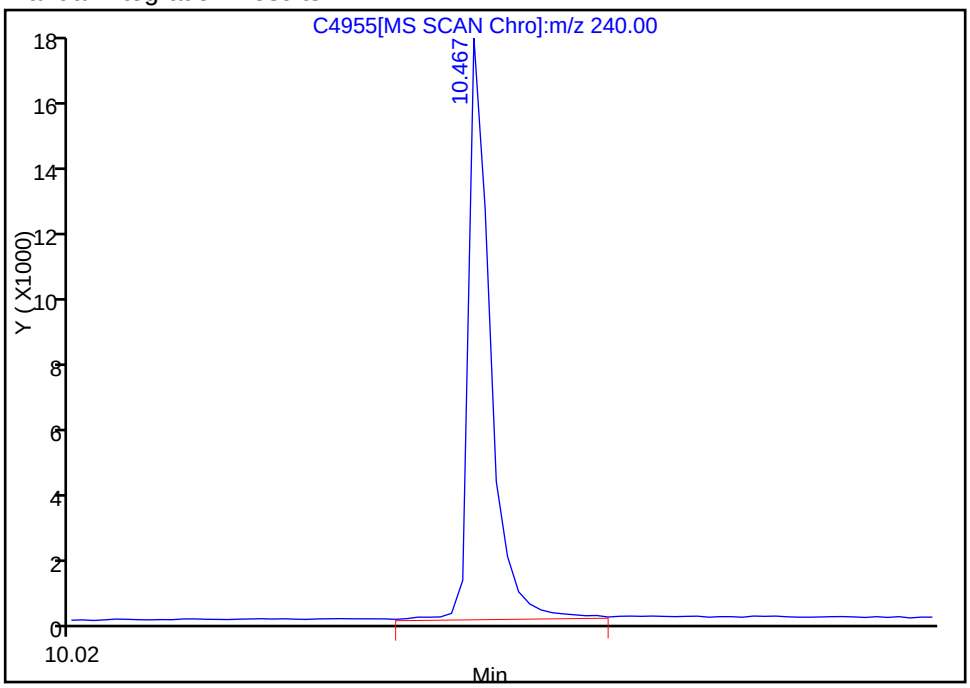
Processing Integration Results

Not Detected
Expected RT: 10.46



Manual Integration Results

RT: 10.47
Response: 29686
Amount: 40.000000



Reviewer: squiresb, 23-Aug-2011 17:01:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 17:01:06 Chrom Revision: 1.2 13-Jul-2011 10:43:06

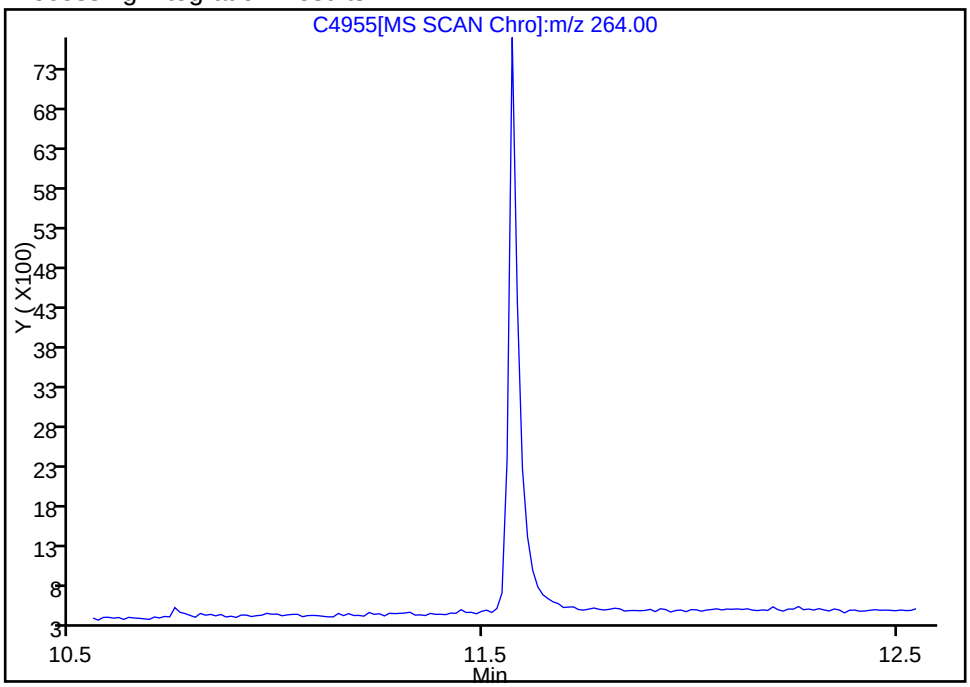
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4955.D		
Injection Date:	23-Aug-2011 16:41:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	NSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

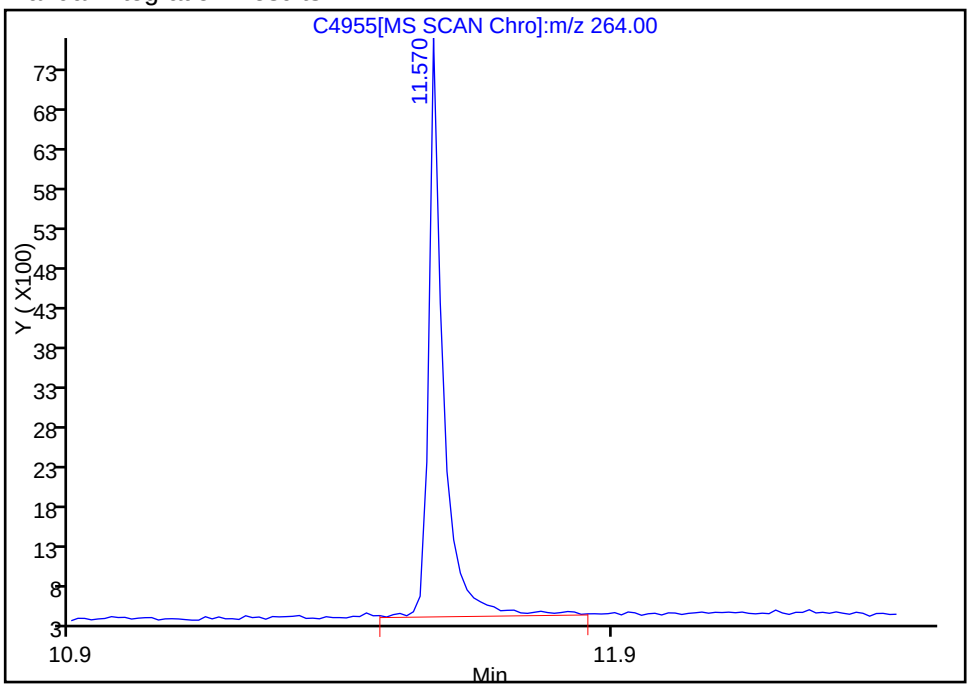
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.57
Response: 13725
Amount: 40.000000



Reviewer: squiresb, 23-Aug-2011 17:01:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: ESW-1 | Lab Sample ID: 510-69047-2

Matrix: Solid | Lab File ID: C4956.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:05

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.14(g) | Date Analyzed: 08/23/2011 17:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | 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	0.0032
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	0.0021
218-01-9	Chrysene	<0.021		0.021	0.0020
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
129-00-0	Pyrene	<0.021		0.021	0.0038
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	137		10-194
4165-60-0	Nitrobenzene-d5	41		10-117
321-60-8	2-Fluorobiphenyl	65		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4956.D		
Lims ID:	510-69047-I-2-B	Client ID:	ESW-1
Inject. Date:	23-Aug-2011 17:01:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-2		
Misc. Info.:	510-0005429-007 =510-0005429-007		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	85539	Lims Sample ID:	7
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:11:37

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	312073	40.0	70.0- 130.0	100.0	
115	2.350	2.375	-0.025		165155		25.1- 85.1	52.9	
$ 49 Nitrobenzene-d5									
82	3.028	3.030	-0.002	1	169779	20.3	70.0- 130.0	100.0	
128	3.039	3.030	0.008		102721		22.6- 82.6	60.5	
54	3.028	3.030	-0.002		79748		21.4- 81.4	47.0	
* 57 Naphthalene-d8									s
136	3.866	3.869	-0.003	1	612470	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.221	5.224	-0.003	1	422217	32.4			
* 73 Acenaphthene-d10									s
164	5.956	5.958	-0.002	1	270049	40.0	70.0- 130.0	100.0	
162	5.956	5.958	-0.002		241512		59.4- 119.4	89.4	
* 90 Phenanthrene-d10									s
188	7.803	7.792	0.011	1	436850	40.0	70.0- 130.0	100.0	
94	7.791	7.792	-0.001		55967		0.0- 41.2	12.8	
$ 98 Terphenyl-d14									
244	9.600	9.589	0.011	1	167296	68.7	70.0- 130.0	100.0	
122	9.588	9.589	-0.001		34924		0.0- 52.6	20.9	
* 103 Chrysene-d12									
240	10.455	10.457	-0.002	1	124272	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	11.546	11.547	-0.001	1	58809	40.0	70.0- 130.0	100.0	

QC Flag Legend

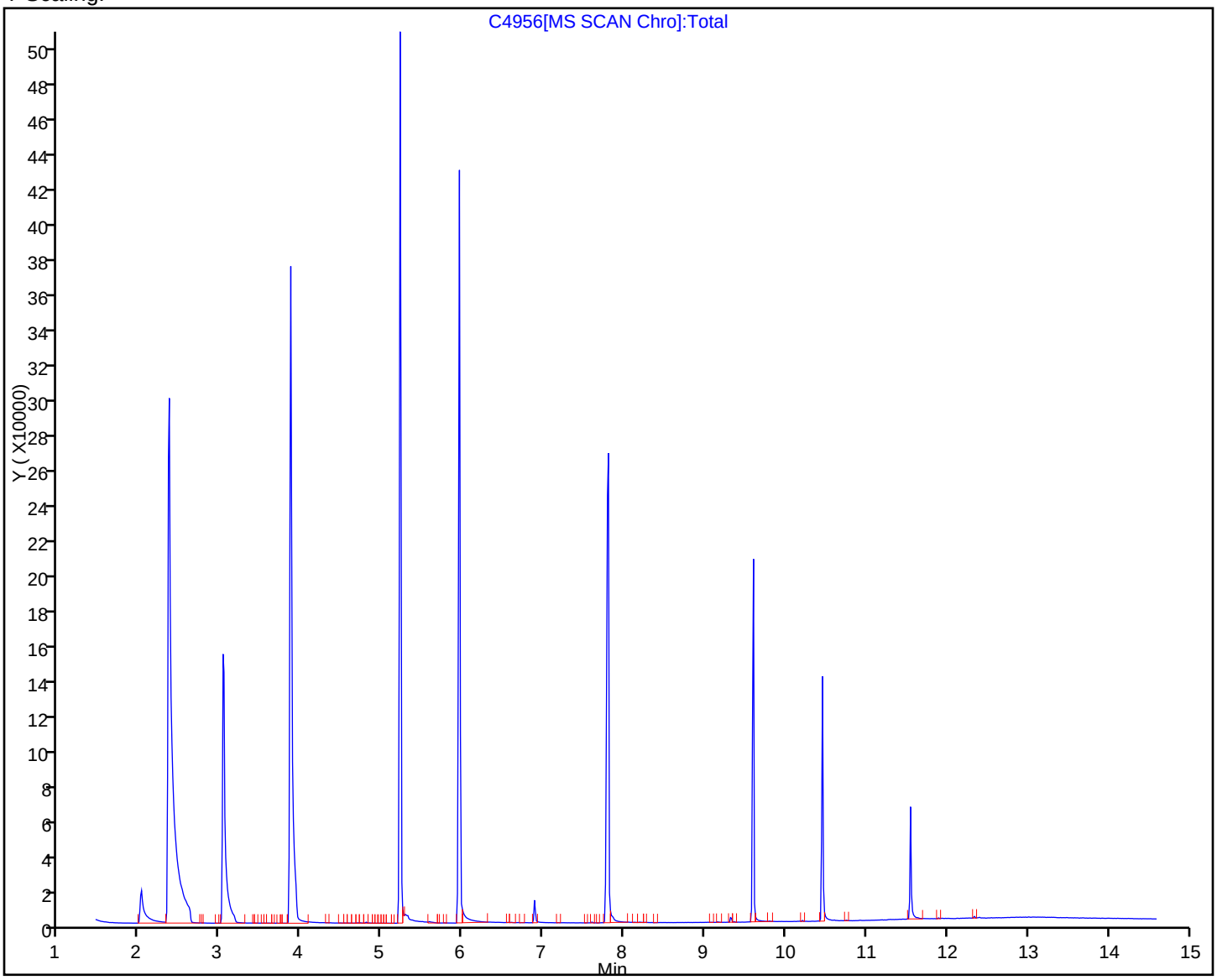
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 24-Aug-2011 09:11:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4956.D

Injection Date:	23-Aug-2011 17:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	ESW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WSW-1 | Lab Sample ID: 510-69047-3

Matrix: Solid | Lab File ID: C4957.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:10

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.06(g) | Date Analyzed: 08/23/2011 17:22

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.: 85539 | 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
129-00-0	Pyrene	<0.021		0.021	0.0039
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	123		10-194
4165-60-0	Nitrobenzene-d5	28		10-117
321-60-8	2-Fluorobiphenyl	48		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4957.D		
Lims ID:	510-69047-I-3-B	Client ID:	WSW-1
Inject. Date:	23-Aug-2011 17:22:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-3		
Misc. Info.:	510-0005429-008 =510-0005429-008		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	85539	Lims Sample ID:	8
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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:	24-Aug-2011 09:11:53

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	333472	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		177764		25.1- 85.1	53.3	
$ 49 Nitrobenzene-d5									
82	3.028	3.030	-0.002	1	121688	14.0	70.0- 130.0	100.0	
128	3.028	3.030	-0.002		72807		22.6- 82.6	59.8	
54	3.028	3.030	-0.002		56023		21.4- 81.4	46.0	
* 57 Naphthalene-d8									s
136	3.866	3.869	-0.003	1	637888	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.221	5.224	-0.003	1	320191	24.1			
* 73 Acenaphthene-d10									s
164	5.955	5.958	-0.003	1	275605	40.0	70.0- 130.0	100.0	
162	5.955	5.958	-0.003		244879		59.4- 119.4	88.9	
* 90 Phenanthrene-d10									s
188	7.802	7.792	0.010	1	436553	40.0	70.0- 130.0	100.0	
94	7.790	7.792	-0.002		54533		0.0- 41.2	12.5	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	158153	61.4	70.0- 130.0	100.0	
122	9.587	9.589	-0.002		32869		0.0- 52.6	20.8	
* 103 Chrysene-d12									
240	10.454	10.457	-0.003	1	131380	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	11.545	11.547	-0.002	1	62561	40.0	70.0- 130.0	100.0	

QC Flag Legend

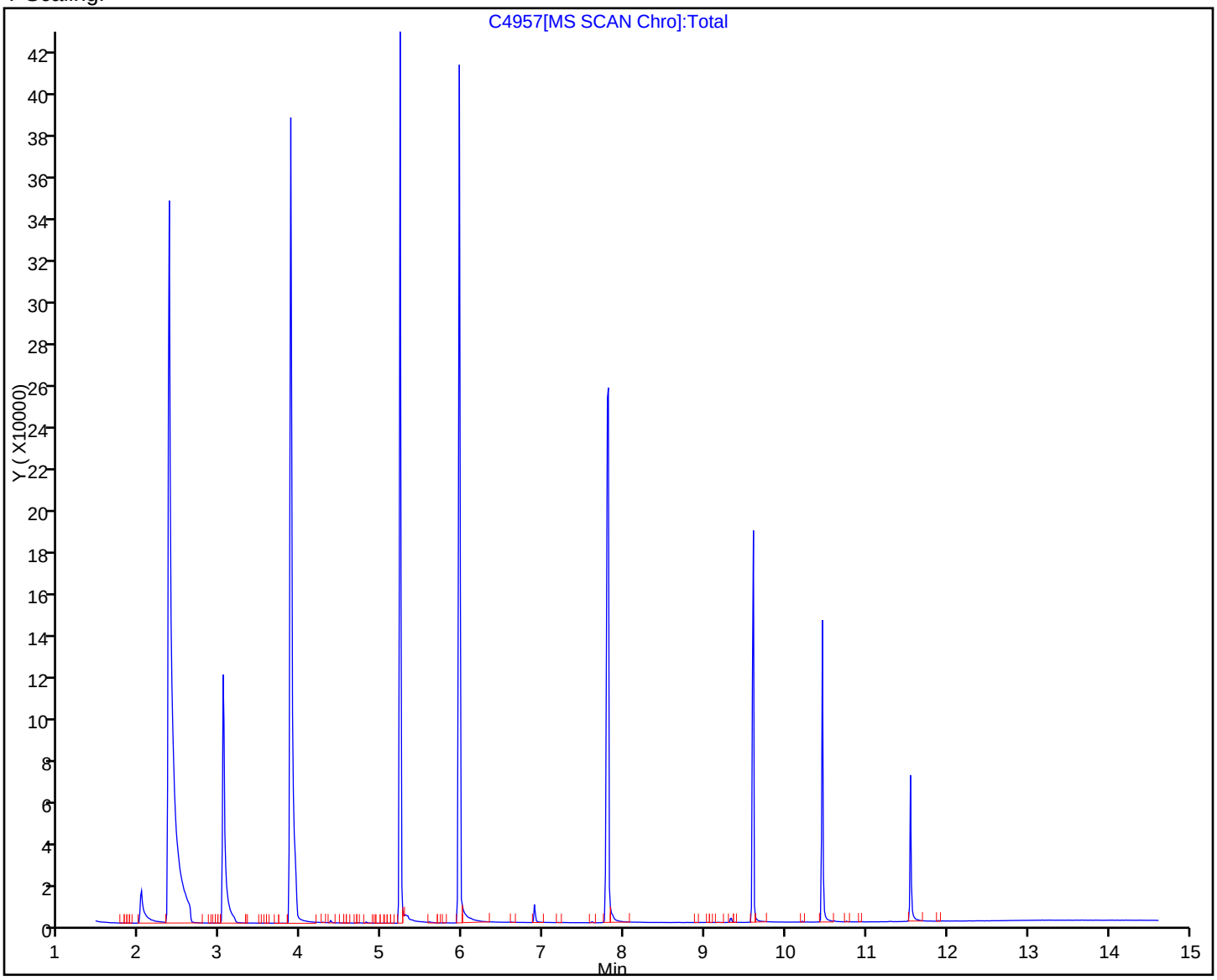
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 24-Aug-2011 09:11:53 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4957.D

Injection Date:	23-Aug-2011 17:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	WSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WFS-1 | Lab Sample ID: 510-69047-4

Matrix: Solid | Lab File ID: C4958.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:15

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.62(g) | Date Analyzed: 08/23/2011 17:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | 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	0.0033
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
129-00-0	Pyrene	<0.020		0.020	0.0038
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	131		10-194
4165-60-0	Nitrobenzene-d5	39		10-117
321-60-8	2-Fluorobiphenyl	62		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4958.D		
Lims ID:	510-69047-I-4-B	Client ID:	WFS-1
Inject. Date:	23-Aug-2011 17:42:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-4		
Misc. Info.:	510-0005429-009 =510-0005429-009		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	85539	Lims Sample ID:	9
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:12:19

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.364	2.375	-0.011	1	322554	40.0	70.0- 130.0	100.0	
115	2.364	2.375	-0.011		173423		25.1- 85.1	53.8	
$ 49 Nitrobenzene-d5									
82	3.031	3.030	0.001	1	166357	19.6	70.0- 130.0	100.0	
128	3.031	3.030	0.001		105302		22.6- 82.6	63.3	
54	3.031	3.030	0.001		76329		21.4- 81.4	45.9	
* 57 Naphthalene-d8									s
136	3.869	3.869	0.000	1	622532	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.224	5.224	0.000	1	395742	31.1			
* 73 Acenaphthene-d10									
164	5.957	5.958	-0.001	1	263659	40.0	70.0- 130.0	100.0	
162	5.957	5.958	-0.001		236384		59.4- 119.4	89.7	
* 90 Phenanthrene-d10									
188	7.803	7.792	0.011	1	287739	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	9.601	9.589	0.012	1	37745	65.5	70.0- 130.0	100.0	
122	9.601	9.589	0.012		8422		0.0- 52.6	22.3	
* 103 Chrysene-d12									sM
240	10.468	10.457	0.011	0	29399	40.0	70.0- 130.0	100.0	M
* 109 Perylene-d12									sM
264	11.571	11.547	0.024	0	15555	40.0	70.0- 130.0	100.0	M

QC Flag Legend

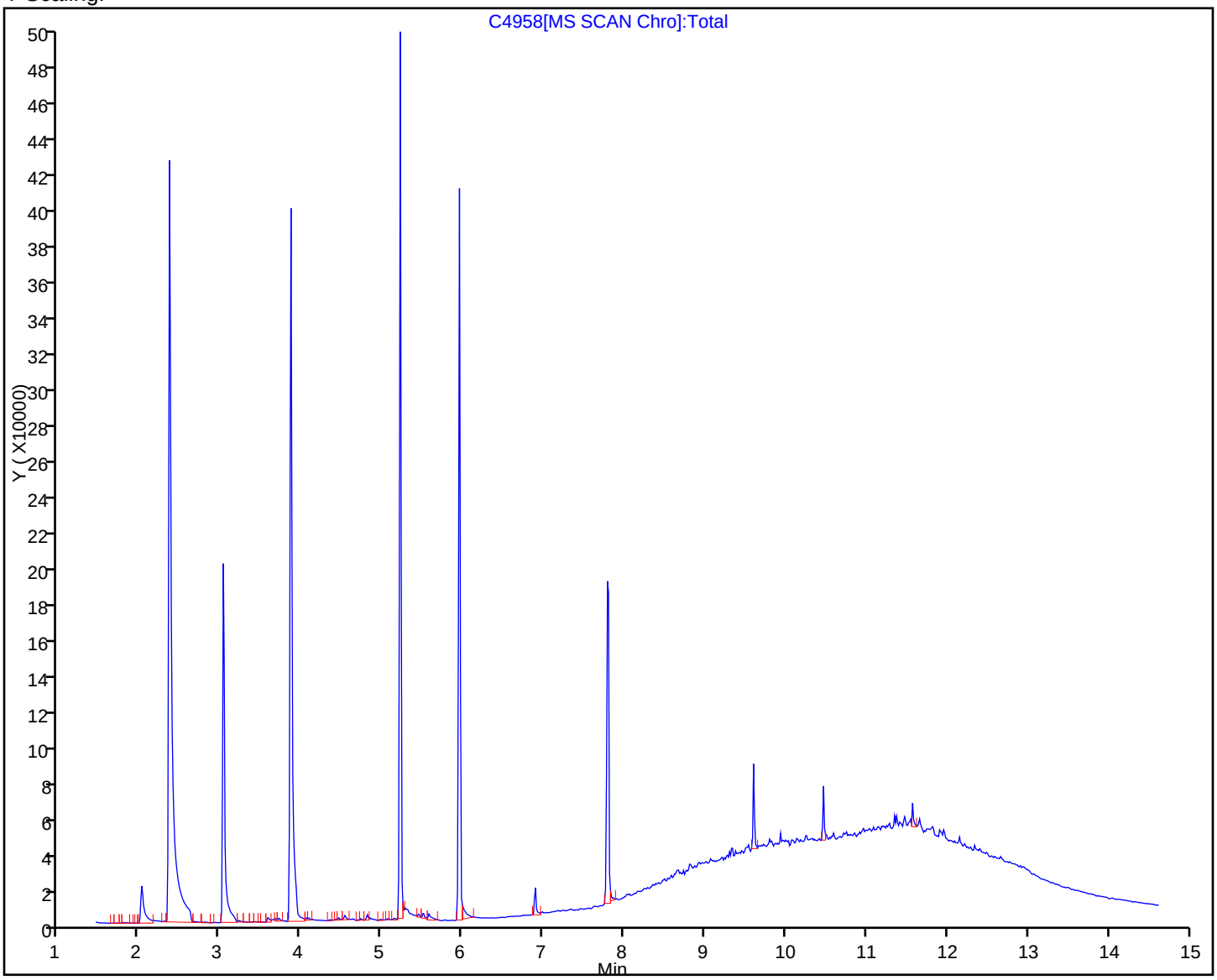
Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:12:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4958.D		
Injection Date:	23-Aug-2011 17:42:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	WFS-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 24-Aug-2011 09:12:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

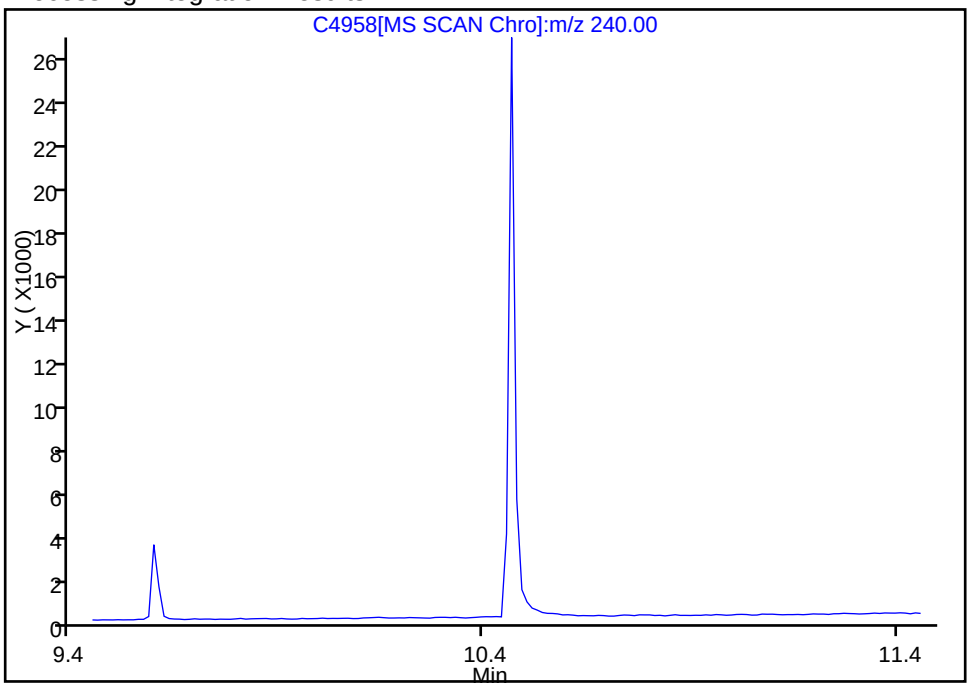
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4958.D		
Injection Date:	23-Aug-2011 17:42:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	WFS-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.46

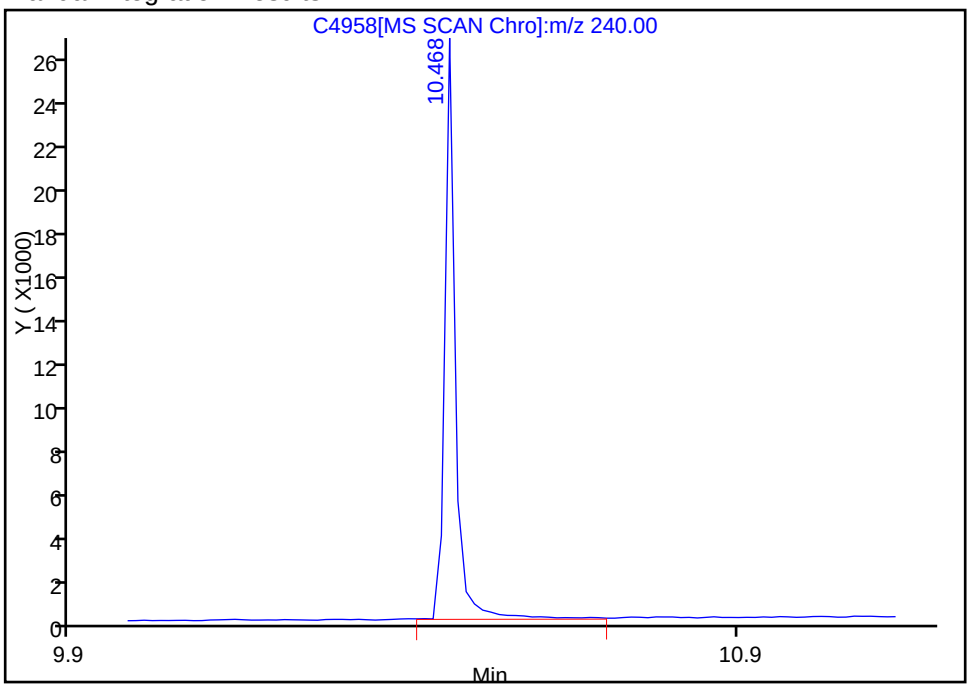
Processing Integration Results

Not Detected
Expected RT: 10.46



Manual Integration Results

RT: 10.47
Response: 29399
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:12:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:12:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

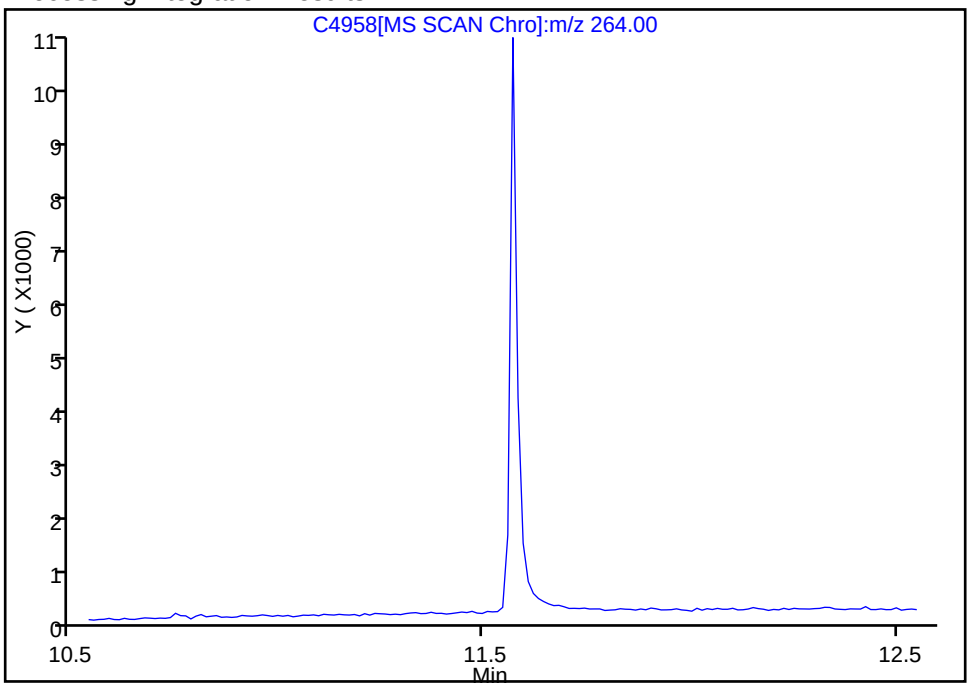
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4958.D		
Injection Date:	23-Aug-2011 17:42:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	WFS-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

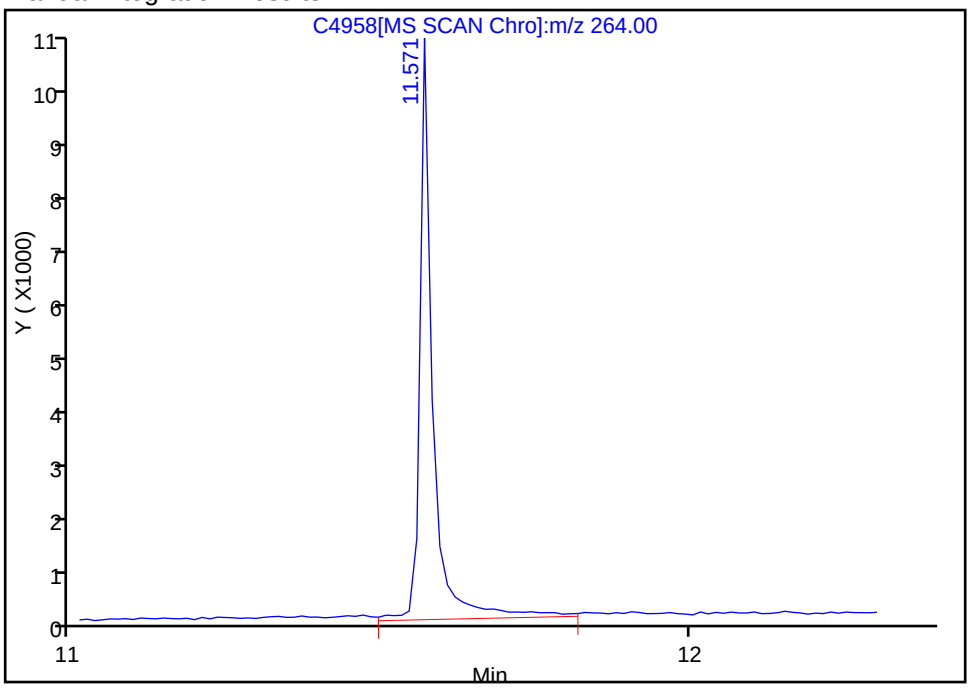
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.57
Response: 15555
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:12:19
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: EFS-1 | Lab Sample ID: 510-69047-5

Matrix: Solid | Lab File ID: C4959.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:20

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 31.52(g) | Date Analyzed: 08/23/2011 18:03

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 1.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.019		0.019	0.0025
208-96-8	Acenaphthylene	<0.019		0.019	0.0030
120-12-7	Anthracene	<0.019		0.019	0.0031
56-55-3	Benzo[a]anthracene	<0.019		0.019	0.0021
50-32-8	Benzo[a]pyrene	<0.019		0.019	0.0017
205-99-2	Benzo[b]fluoranthene	<0.019		0.019	0.0028
191-24-2	Benzo[g,h,i]perylene	<0.019		0.019	0.0021
207-08-9	Benzo[k]fluoranthene	<0.019		0.019	0.0020
218-01-9	Chrysene	<0.019		0.019	0.0019
53-70-3	Dibenz(a,h)anthracene	<0.019		0.019	0.0026
206-44-0	Fluoranthene	<0.019		0.019	0.0039
129-00-0	Pyrene	<0.019		0.019	0.0036
86-73-7	Fluorene	<0.019		0.019	0.0026
193-39-5	Indeno[1,2,3-cd]pyrene	<0.019		0.019	0.0021
91-20-3	Naphthalene	<0.019		0.019	0.0031
85-01-8	Phenanthrene	<0.019		0.019	0.0030

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	170		10-194
4165-60-0	Nitrobenzene-d5	34		10-117
321-60-8	2-Fluorobiphenyl	64		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4959.D		
Lims ID:	510-69047-I-5-B	Client ID:	EFS-1
Inject. Date:	23-Aug-2011 18:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-5		
Misc. Info.:	510-0005429-010 =510-0005429-010		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	85539	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:12:56

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	323041	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		170344		25.1- 85.1	52.7	
$ 49 Nitrobenzene-d5									
82	3.038	3.030	0.008	1	144563	17.1	70.0- 130.0	100.0	
128	3.038	3.030	0.008		88249		22.6- 82.6	61.0	
54	3.027	3.030	-0.003		66644		21.4- 81.4	46.1	
* 57 Naphthalene-d8									s
136	3.866	3.869	-0.003	1	620290	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.232	5.224	0.008	1	464241	32.0			
* 73 Acenaphthene-d10									s
164	5.968	5.958	0.010	1	300425	40.0	70.0- 130.0	100.0	
162	5.955	5.958	-0.003		269287		59.4- 119.4	89.6	
* 90 Phenanthrene-d10									
188	7.802	7.792	0.010	1	354901	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	91711	85.0	70.0- 130.0	100.0	
122	9.587	9.589	-0.002		19180		0.0- 52.6	20.9	
* 103 Chrysene-d12									sM
240	10.454	10.457	-0.003	1	55086	40.0	70.0- 130.0	100.0	M
* 109 Perylene-d12									sM
264	11.557	11.547	0.010	0	27481	40.0	70.0- 130.0	100.0	M

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:12:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4959.D

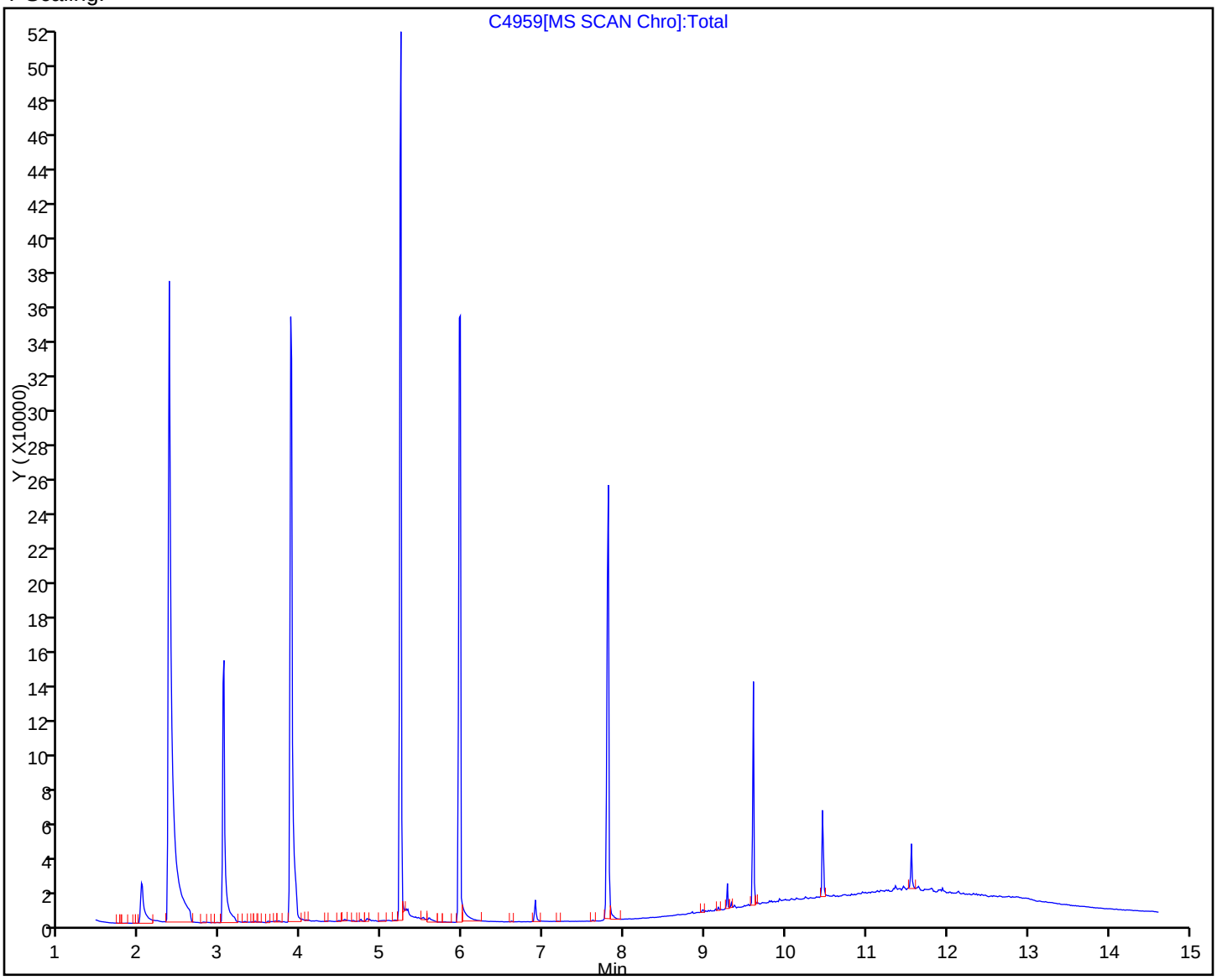
Injection Date: 23-Aug-2011 18:03:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: EFS-1 Instrument ID: SMSB

Lims Batch ID: 85539 Lims Sample ID: 10

Operator ID: wds Injection Vol: 1.00 ul

Y Scaling:



Report Date: 24-Aug-2011 09:12:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

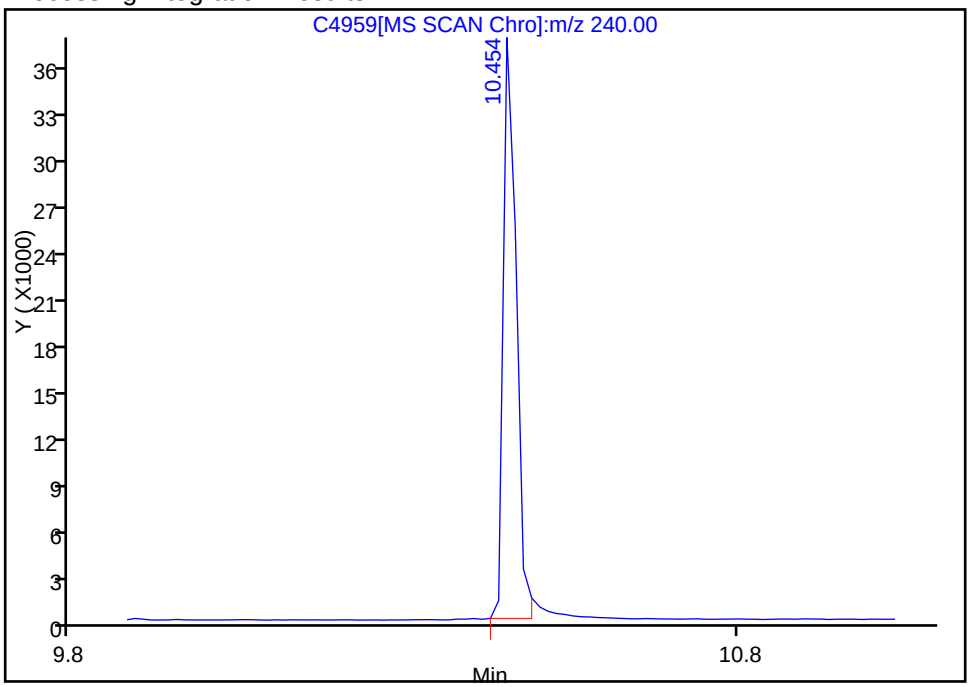
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4959.D		
Injection Date:	23-Aug-2011 18:03:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	EFS-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.46

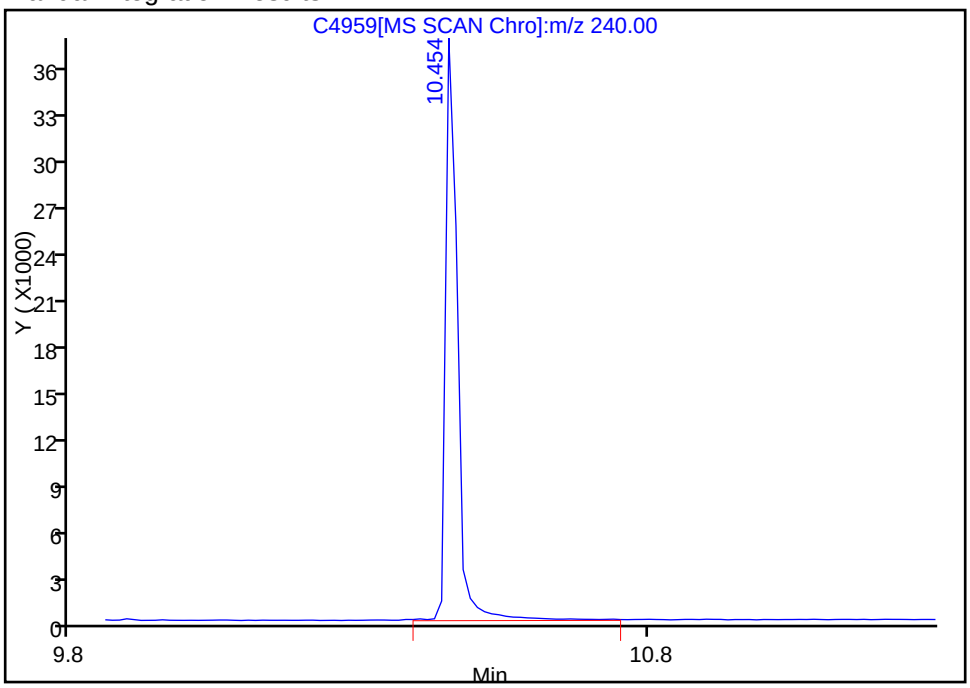
Processing Integration Results

RT: 10.45
Response: 51180
Amount: 40.000000



Manual Integration Results

RT: 10.45
Response: 55086
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:12:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:12:57 Chrom Revision: 1.2 13-Jul-2011 10:43:06

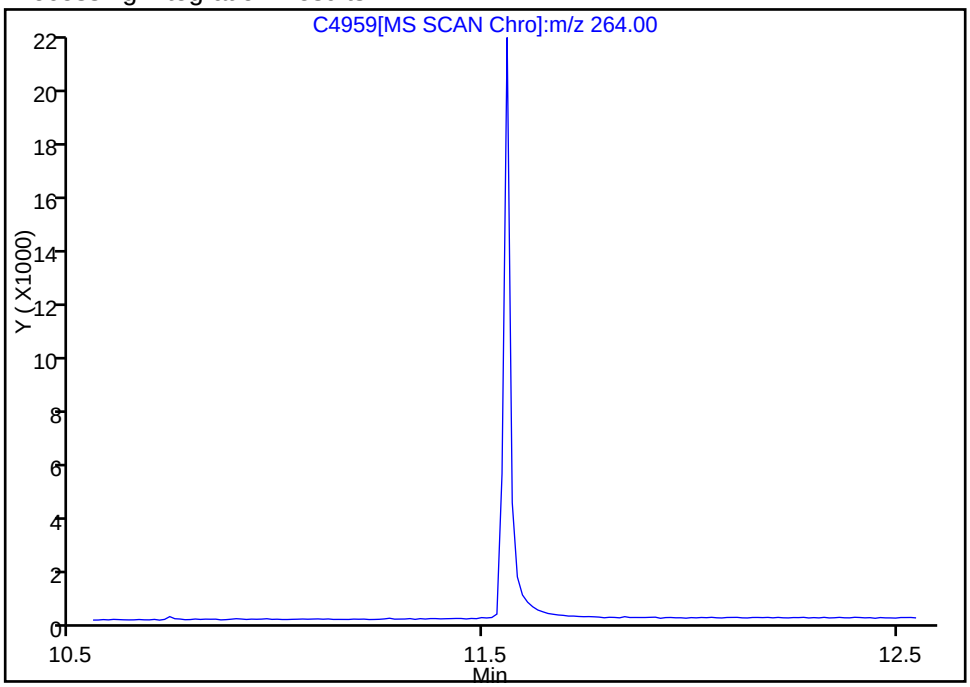
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4959.D		
Injection Date:	23-Aug-2011 18:03:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	EFS-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

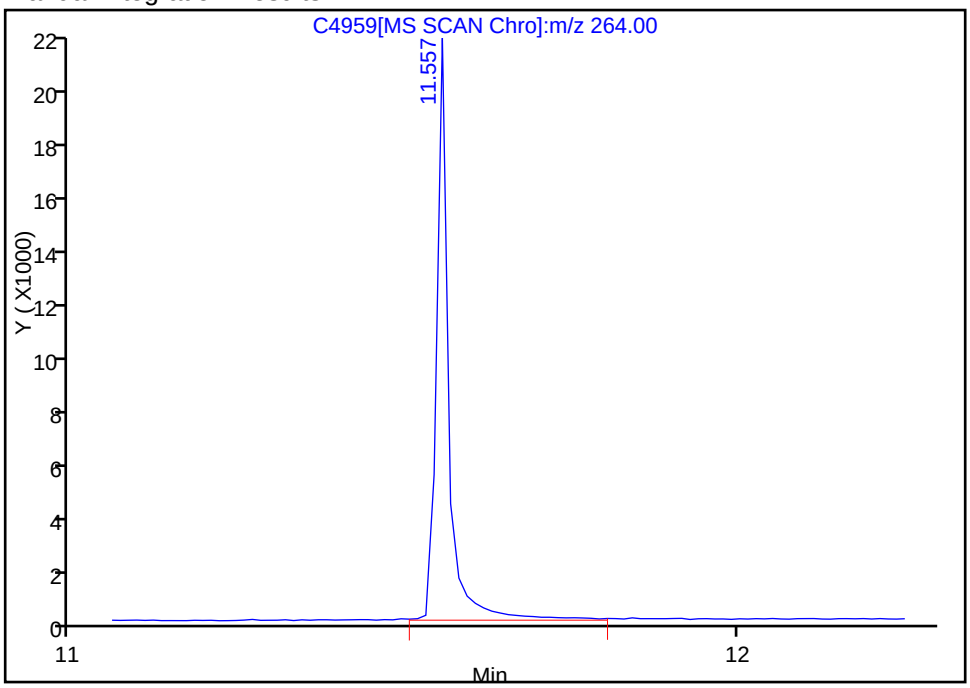
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.56
Response: 27481
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:12:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: FIELD DUPLICATE | Lab Sample ID: 510-69047-6

Matrix: Solid | Lab File ID: C4960.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:25

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.18(g) | Date Analyzed: 08/23/2011 18:23

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | 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	0.0032
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	0.0020
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0028
206-44-0	Fluoranthene	<0.021		0.021	0.0042
129-00-0	Pyrene	<0.021		0.021	0.0038
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	159		10-194
4165-60-0	Nitrobenzene-d5	29		10-117
321-60-8	2-Fluorobiphenyl	59		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4960.D		
Lims ID:	510-69047-I-6-B	Client ID:	FIELD DUPLICATE
Inject. Date:	23-Aug-2011 18:23:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-6		
Misc. Info.:	510-0005429-011 =510-0005429-011		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	85539	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:30:51	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:13:23

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	350982	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		187141		25.1- 85.1	53.3	
$ 49 Nitrobenzene-d5									
82	3.028	3.030	-0.002	1	132760	14.6	70.0- 130.0	100.0	
128	3.038	3.030	0.008		81214		22.6- 82.6	61.2	
54	3.028	3.030	-0.002		60405		21.4- 81.4	45.5	
* 57 Naphthalene-d8									s
136	3.866	3.869	-0.003	1	665065	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.232	5.224	0.008	1	447542	29.8			
* 73 Acenaphthene-d10									s
164	5.968	5.958	0.010	1	311462	40.0	70.0- 130.0	100.0	
162	5.968	5.958	0.010		279169		59.4- 119.4	89.6	
* 90 Phenanthrene-d10									
188	7.802	7.792	0.010	1	365029	40.0	70.0- 130.0	100.0	
94	7.790	7.792	-0.002		50067		0.0- 41.2	13.7	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	90223	79.6	70.0- 130.0	100.0	
122	9.587	9.589	-0.002		18600		0.0- 52.6	20.6	
* 103 Chrysene-d12									sM
240	10.454	10.457	-0.003	1	57818	40.0	70.0- 130.0	100.0	M
* 109 Perylene-d12									sM
264	11.557	11.547	0.010	0	27984	40.0	70.0- 130.0	100.0	M

QC Flag Legend

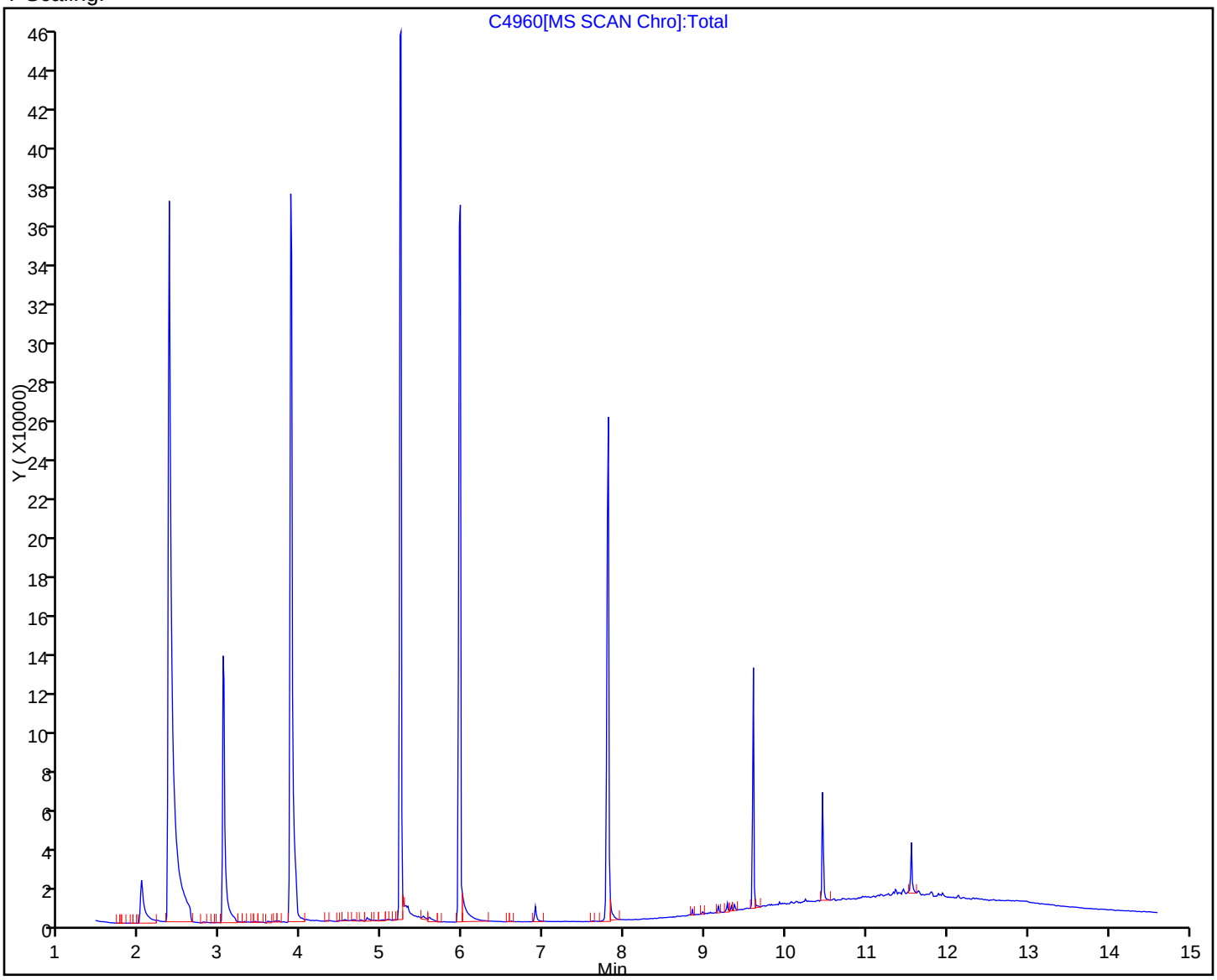
Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:13:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4960.D		
Injection Date:	23-Aug-2011 18:23:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 24-Aug-2011 09:13:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

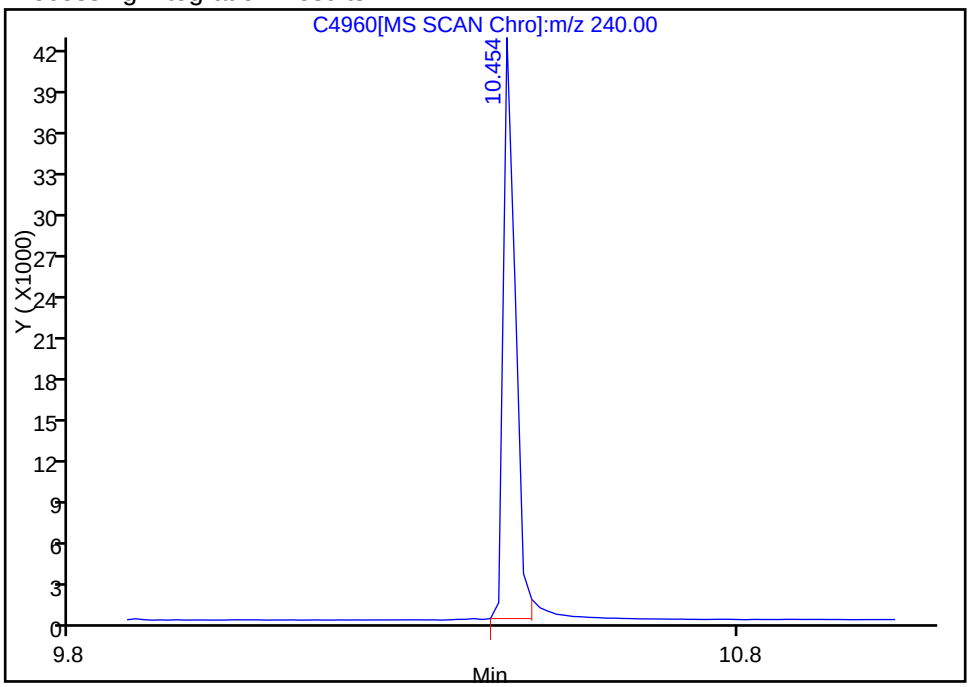
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4960.D		
Injection Date:	23-Aug-2011 18:23:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.46

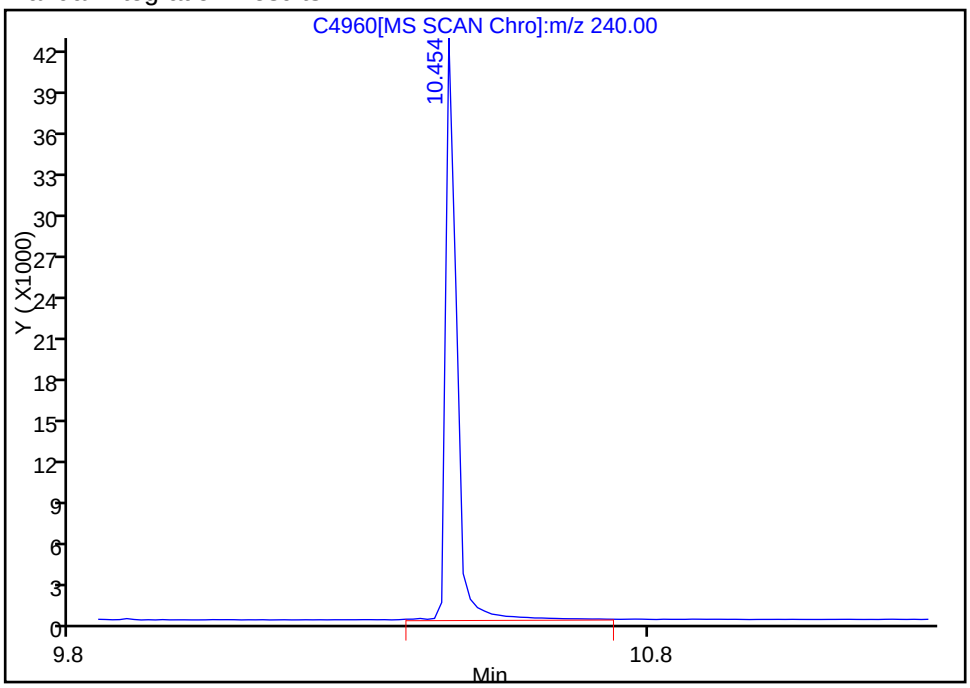
Processing Integration Results

RT: 10.45
Response: 53245
Amount: 40.000000



Manual Integration Results

RT: 10.45
Response: 57818
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:13:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:13:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

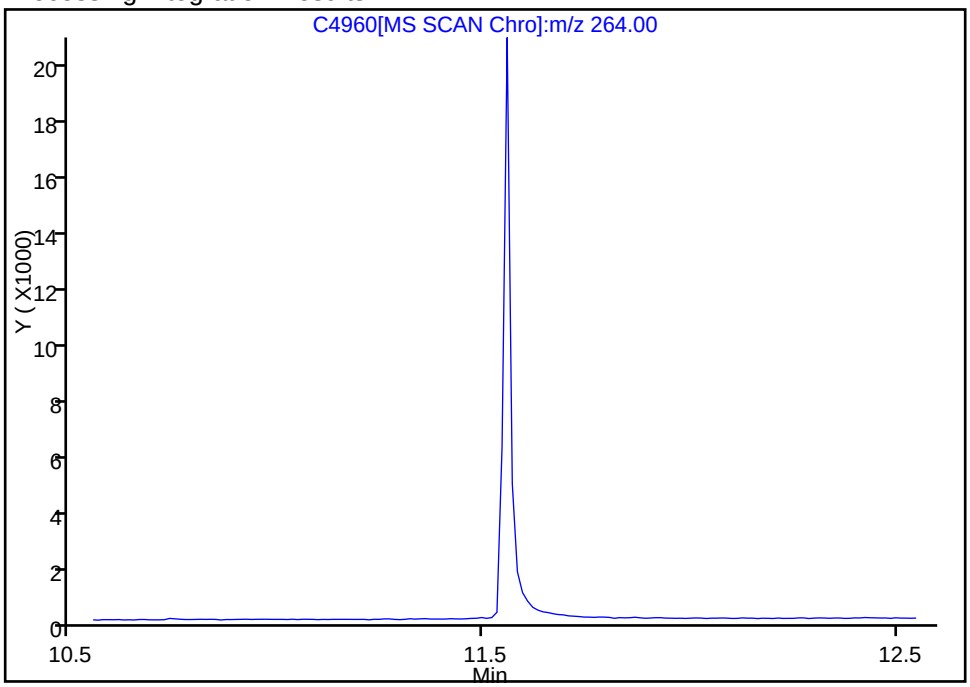
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4960.D		
Injection Date:	23-Aug-2011 18:23:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

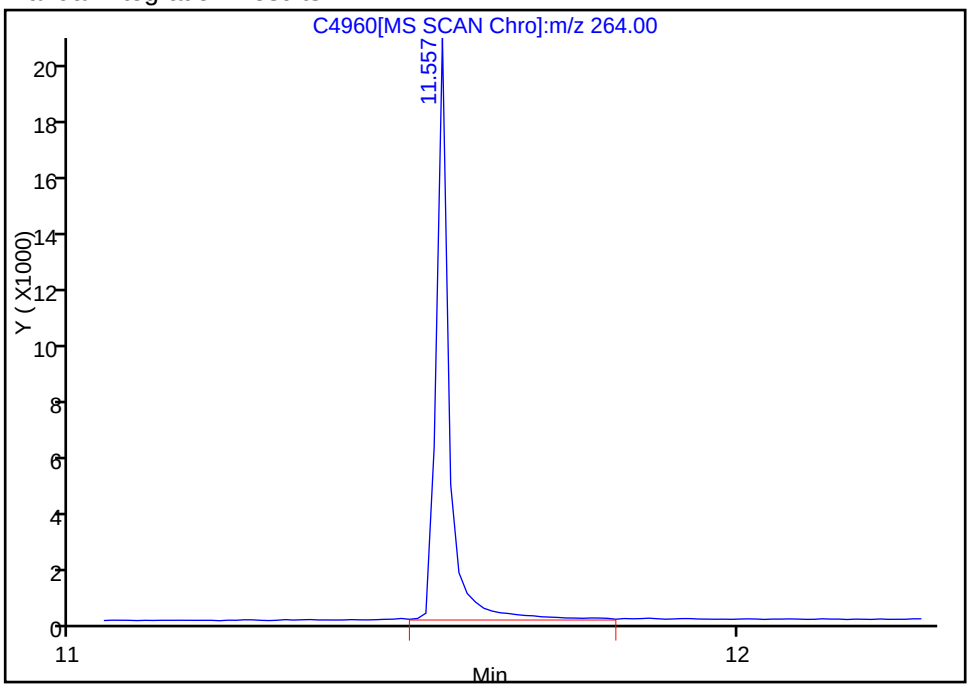
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.56
Response: 27984
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:13:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 | Lab Sample ID: 510-69047-7

Matrix: Solid | Lab File ID: C4961.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:35

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 31.22(g) | Date Analyzed: 08/23/2011 18:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | 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	0.0034
120-12-7	Anthracene	<0.021		0.021	0.0034
56-55-3	Benzo[a]anthracene	0.11		0.021	0.0023
50-32-8	Benzo[a]pyrene	0.088		0.021	0.0018
205-99-2	Benzo[b]fluoranthene	0.17		0.021	0.0031
191-24-2	Benzo[g,h,i]perylene	0.057		0.021	0.0024
207-08-9	Benzo[k]fluoranthene	0.031		0.021	0.0022
218-01-9	Chrysene	0.074		0.021	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.021		0.021	0.0029
206-44-0	Fluoranthene	0.097		0.021	0.0043
129-00-0	Pyrene	0.28		0.021	0.0040
86-73-7	Fluorene	<0.021		0.021	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	0.078		0.021	0.0024
91-20-3	Naphthalene	<0.021		0.021	0.0035
85-01-8	Phenanthrene	0.050		0.021	0.0033

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	156		10-194
4165-60-0	Nitrobenzene-d5	23		10-117
321-60-8	2-Fluorobiphenyl	63		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Lims ID: 510-69047-I-7-D Client ID: SSW-1
Inject. Date: 23-Aug-2011 18:43:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-69047-7
Misc. Info.: 510-0005429-012 =510-0005429-012
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 85539 Lims Sample ID: 12
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:14:23

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.362	2.375	-0.013	1	332489	40.0	70.0- 130.0	100.0	
115	2.362	2.375	-0.013		176781		25.1- 85.1	53.2	
$ 49 Nitrobenzene-d5									
82	3.029	3.030	-0.001	1	101034	11.6	70.0- 130.0	100.0	
128	3.029	3.030	-0.001		61801		22.6- 82.6	61.2	
54	3.029	3.030	-0.001		46133		21.4- 81.4	45.7	
* 57 Naphthalene-d8									s
136	3.867	3.869	-0.002	1	637143	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.889	3.891	-0.002	1	6545	0.3110	70.0- 130.0	100.0	
129	3.889	3.891	-0.002		841		0.0- 41.2	12.8	
127	3.889	3.891	-0.002		941		0.0- 42.4	14.4	
$ 66 2-Fluorobiphenyl									
172	5.222	5.224	-0.002	1	409792	31.5			
* 73 Acenaphthene-d10									s
164	5.957	5.958	-0.001	1	269528	40.0	70.0- 130.0	100.0	
162	5.957	5.958	-0.001		241420		59.4- 119.4	89.6	
* 90 Phenanthrene-d10									
188	7.803	7.792	0.011	1	371735	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.816	7.817	-0.001	1	18208	1.40	70.0- 130.0	100.0	
179	7.816	7.817	-0.001		3214		0.0- 45.5	17.7	
92 Anthracene									
178	7.890	7.879	0.011	1	4446	0.3375	70.0- 130.0	100.0	
179	7.890	7.879	0.011		706		0.0- 44.6	15.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
95 Fluoranthene									
202	9.167	9.155	0.012	1	34579	2.71	70.0- 130.0	100.0	
101	9.154	9.155	-0.001		5240		0.0- 44.7	15.2	
203	9.167	9.155	0.012		5756		0.0- 48.3	16.6	
97 Pyrene									
202	9.365	9.366	-0.001	19	27708	7.92	70.0- 130.0	100.0	
101	9.365	9.366	-0.001		5140		0.0- 46.4	18.6	
$ 98 Terphenyl-d14									
244	9.601	9.589	0.011	1	107591	78.3	70.0- 130.0	100.0	
122	9.588	9.589	-0.001		21839		0.0- 52.6	20.3	
101 Benzo[a]anthracene									M
228	10.456	10.456	0.012	1	8641	3.05	70.0- 130.0	100.0	M
229	10.456	10.456	0.012		1906		0.0- 50.6	22.1	
226	10.456	10.456	0.012		2344		0.0- 56.7	27.1	
* 103 Chrysene-d12									
240	10.456	10.457	-0.001	1	70123	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.481	10.481	-0.001	1	6849	2.07	70.0- 130.0	100.0	M
226	10.456	10.481	-0.025		2344		0.0- 58.4	34.2	
229	10.456	10.481	-0.025		1906		0.0- 50.8	27.8	
106 Benzo[b]fluoranthene									
252	11.286	11.275	0.011	1	7181	4.65	70.0- 130.0	100.0	
253	11.286	11.275	0.011		1327		23.1- 83.1	18.5	
107 Benzo[k]fluoranthene									M
252	11.360	11.360	0.061	1	1879	0.8789	70.0- 130.0	100.0	M
253	11.286	11.360	-0.013		1327		0.0- 59.4	70.6	
108 Benzo[a]pyrene									
252	11.509	11.510	-0.001	1	3442	2.45	70.0- 130.0	100.0	
253	11.509	11.510	-0.001		583		0.0- 52.0	16.9	
* 109 Perylene-d12									sM
264	11.546	11.547	-0.001	0	40524	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.253	12.254	-0.001	1	2129	2.17	70.0- 130.0	100.0	
138	12.240	12.254	-0.014		529		5.0- 65.0	24.8	
24 Benzo[g,h,i]perylene									
276	12.402	12.403	-0.001	1	2049	1.60	70.0- 130.0	100.0	
138	12.389	12.403	-0.014		594		0.0- 57.4	29.0	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

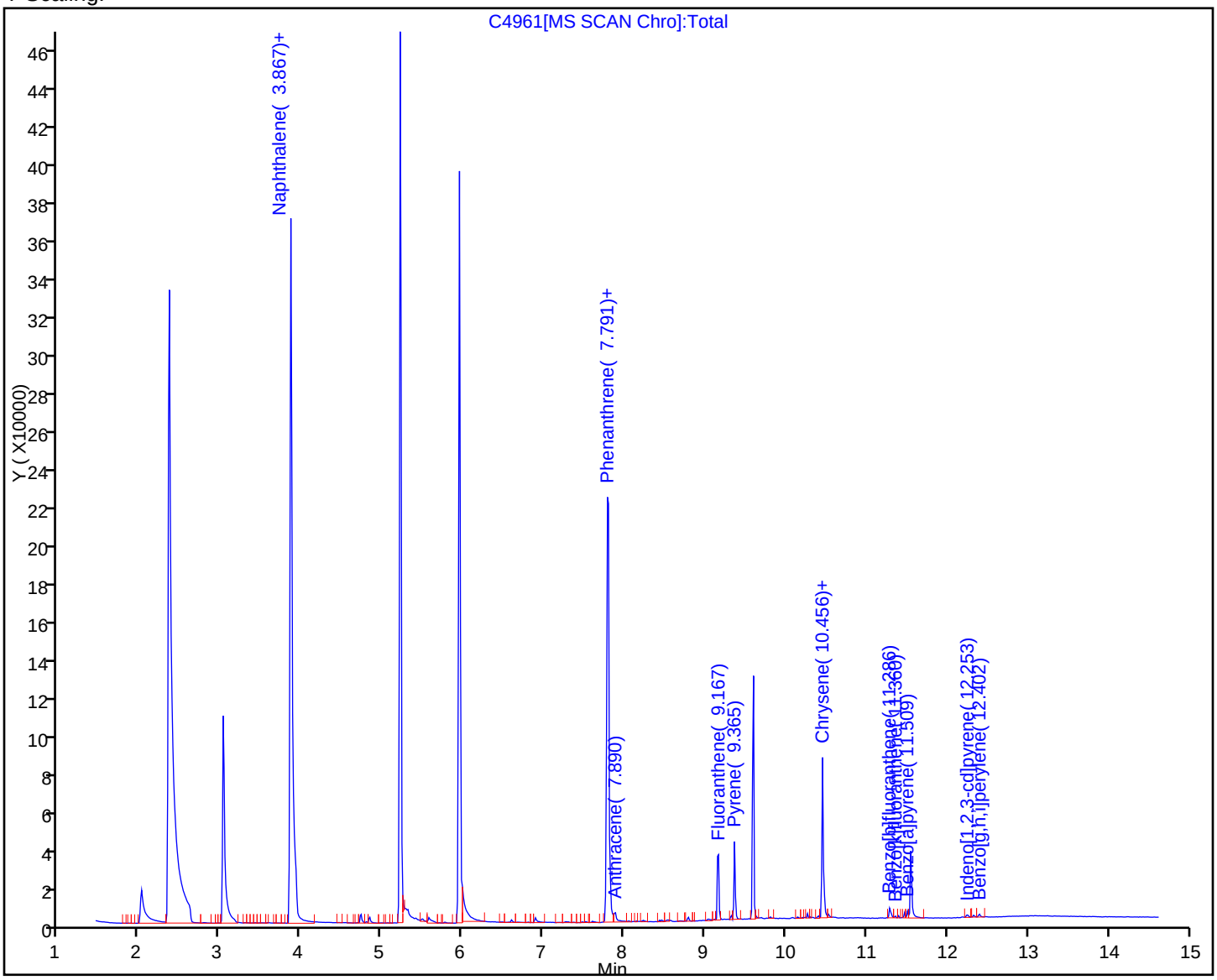
Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:14:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

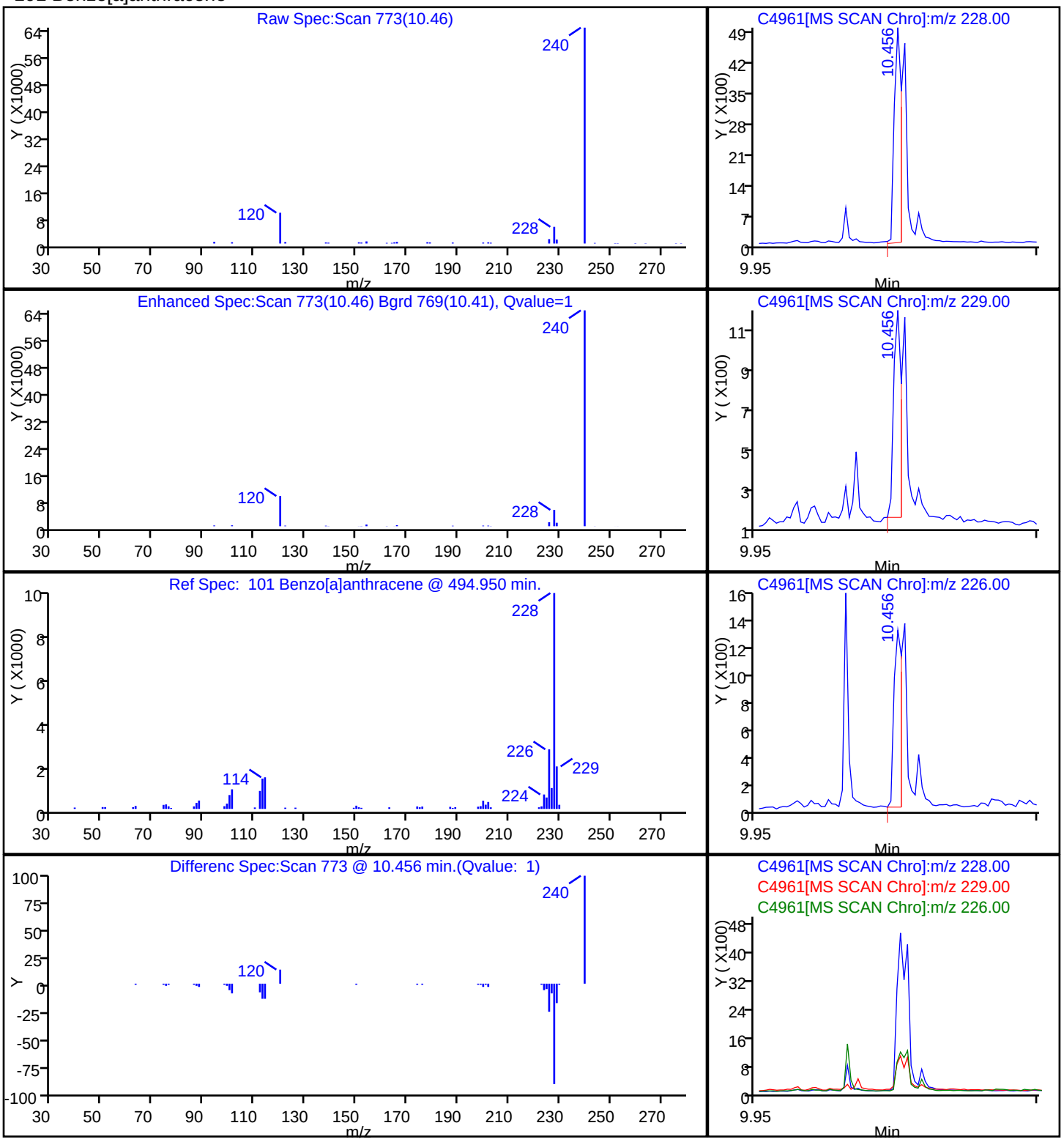
Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:

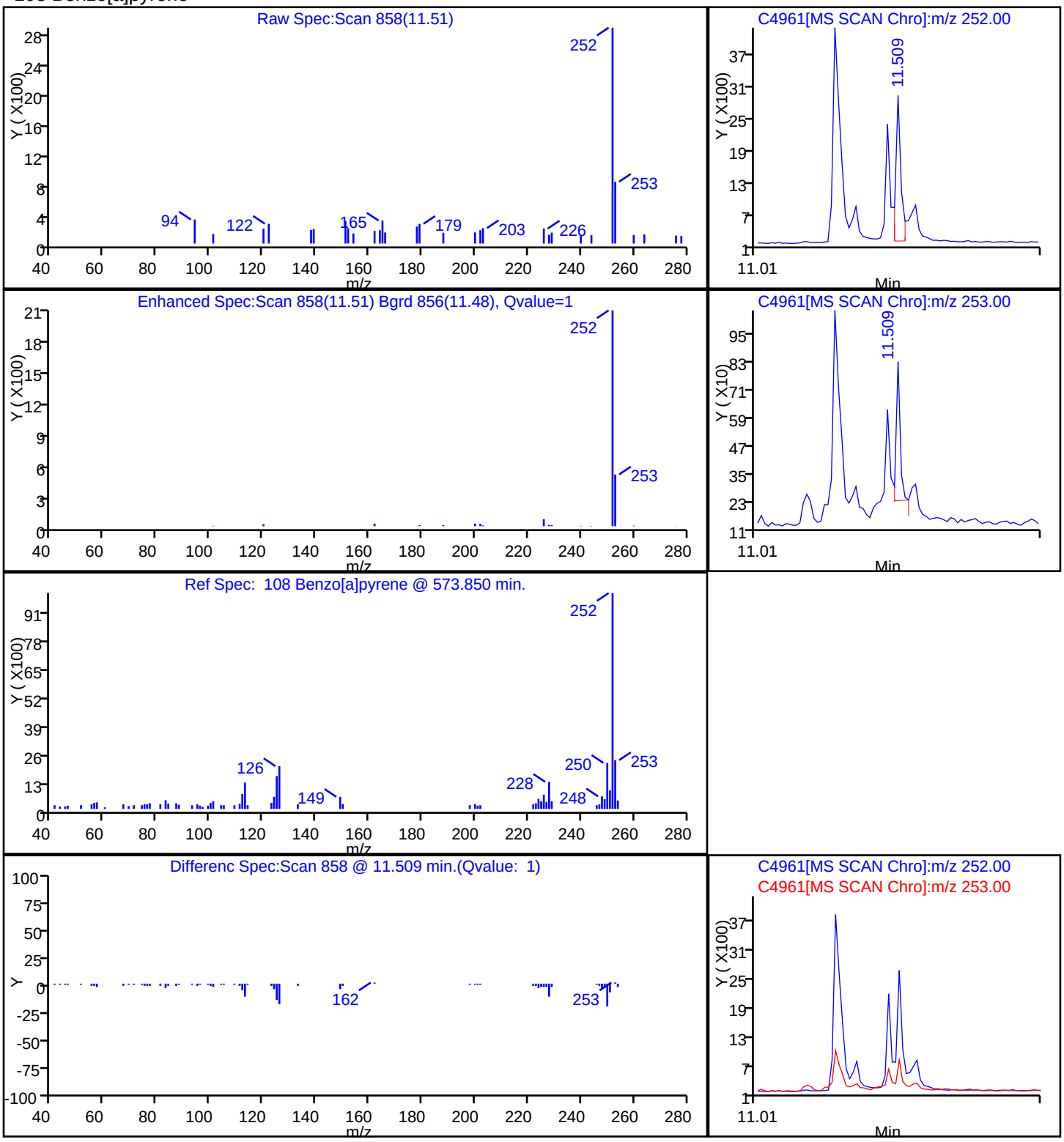


Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SSW-1 Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 12
Operator ID: wds Injection Vol: 1.00 ul

101 Benzo[a]anthracene



Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SSW-1 Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 12
Operator ID: wds Injection Vol: 1.00 ul
108 Benzo[a]pyrene



Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

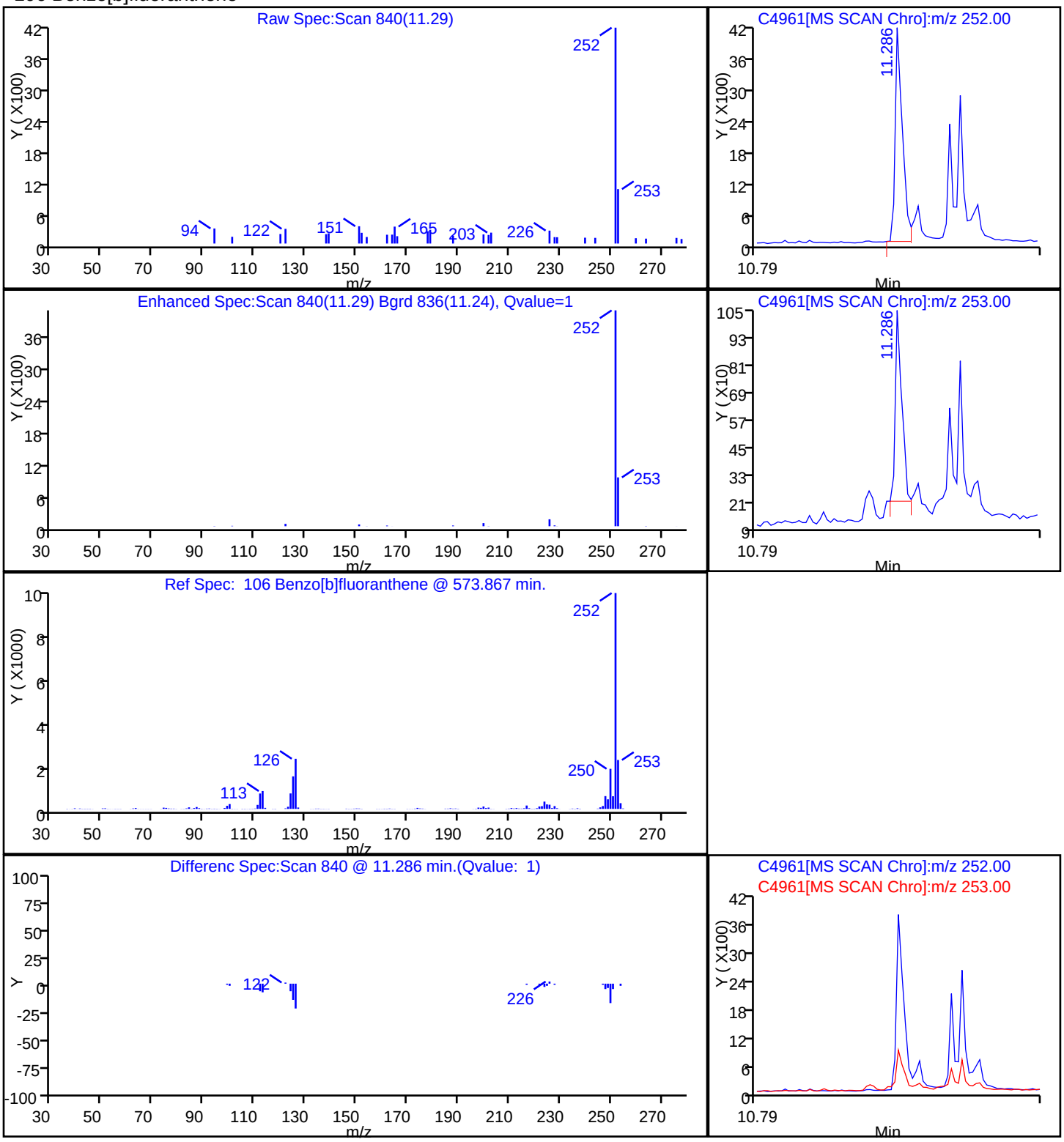
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SSW-1 Instrument ID: SMSB

Lims Batch ID: 85539 Lims Sample ID: 12

Operator ID: wds Injection Vol: 1.00 ul

106 Benzo[b]fluoranthene



Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

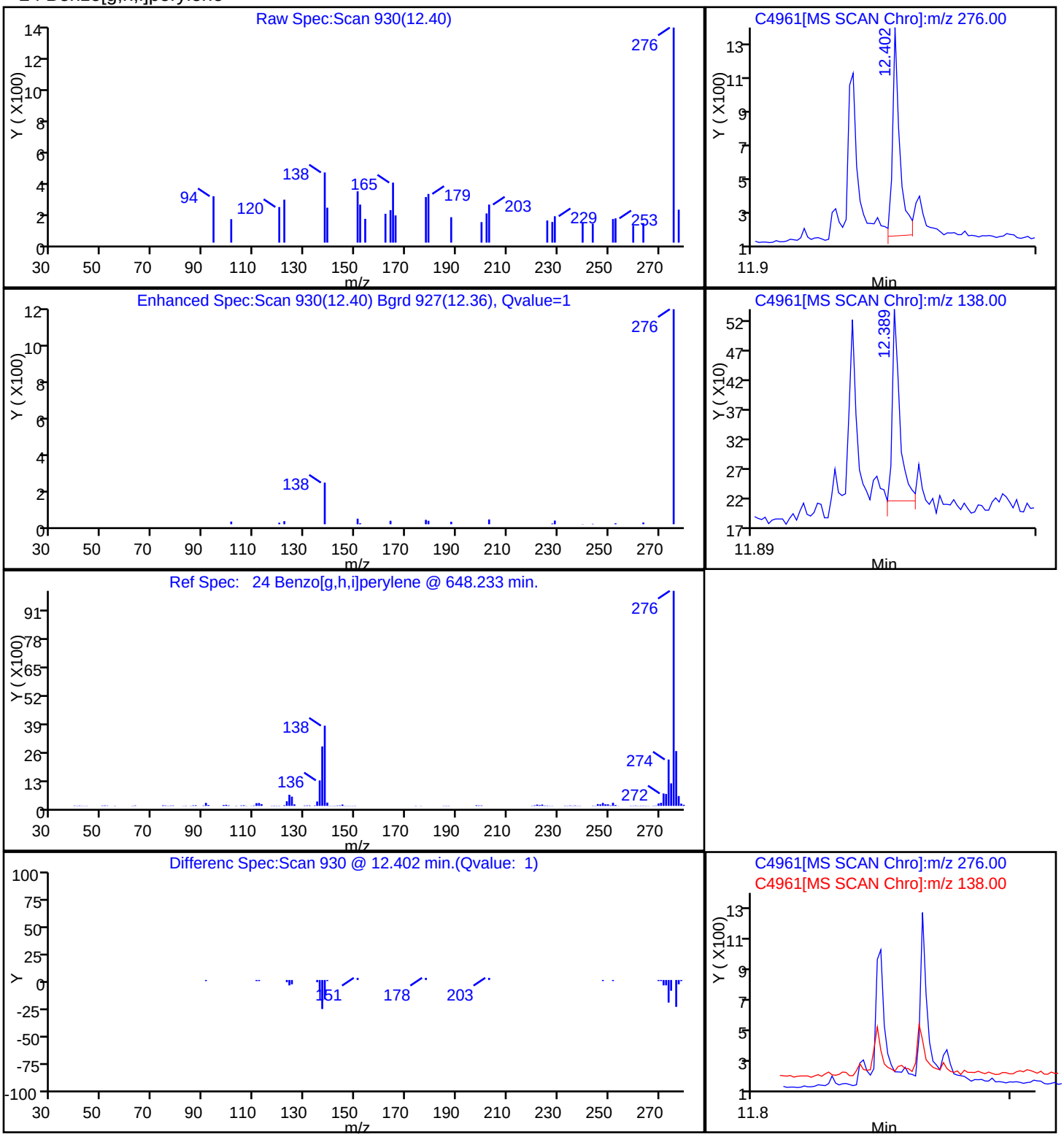
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SSW-1 Instrument ID: SMSB

Lims Batch ID: 85539 Lims Sample ID: 12

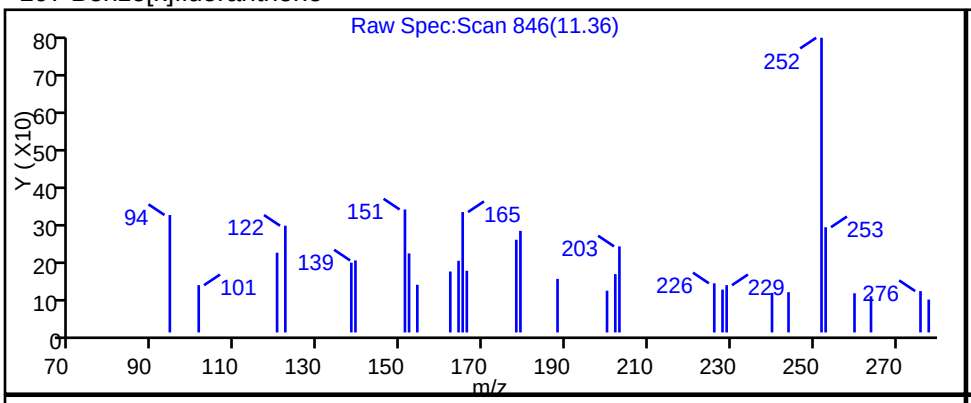
Operator ID: wds Injection Vol: 1.00 ul

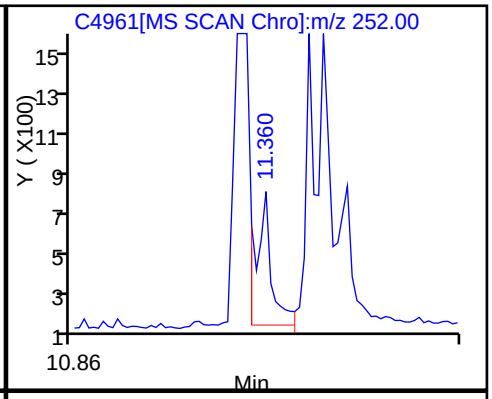
24 Benzo[g,h,i]perylene

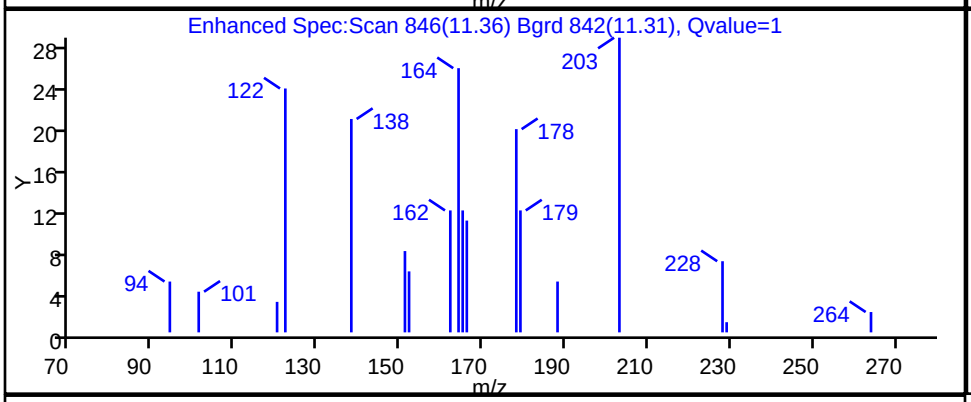


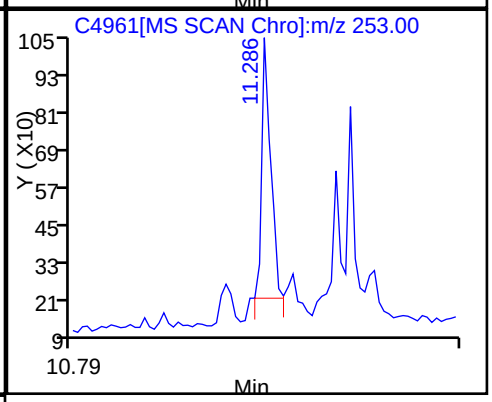
Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SSW-1 Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 12
Operator ID: wds Injection Vol: 1.00 ul

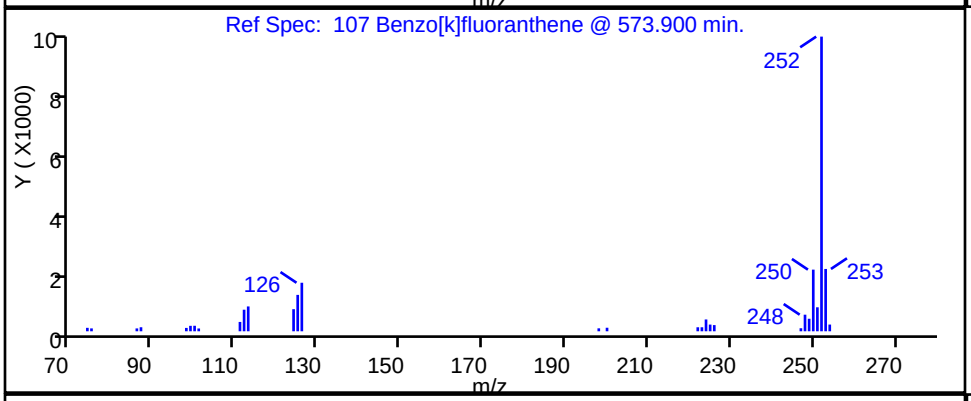
107 Benzo[k]fluoranthene

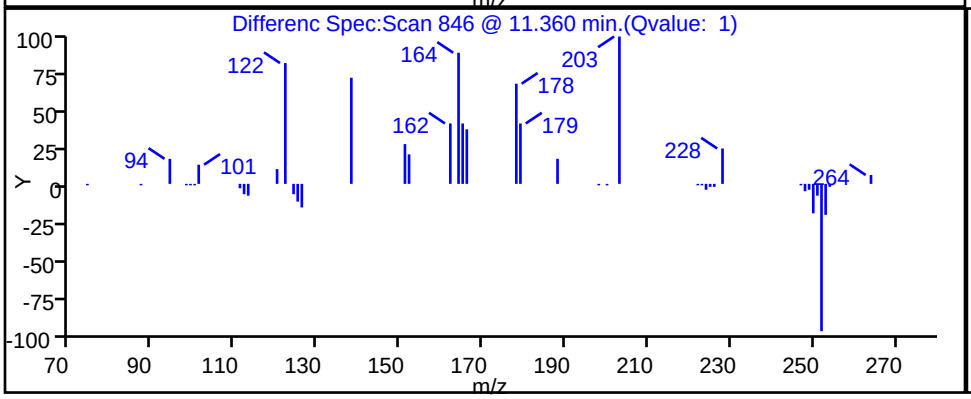


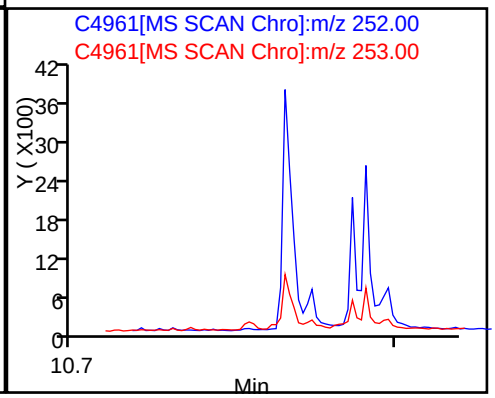












Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

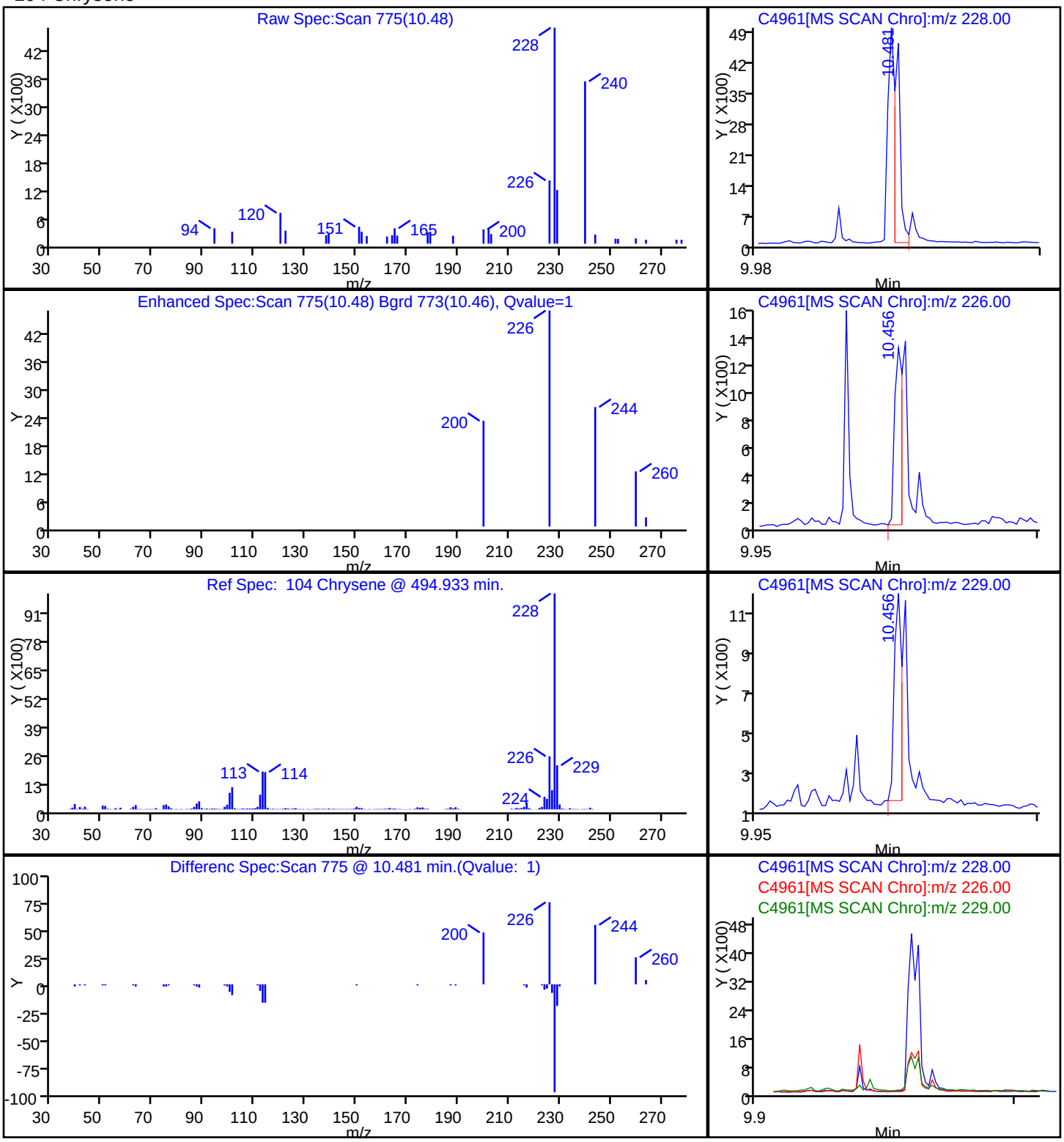
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SSW-1 Instrument ID: SMSB

Lims Batch ID: 85539 Lims Sample ID: 12

Operator ID: wds Injection Vol: 1.00 ul

104 Chrysene

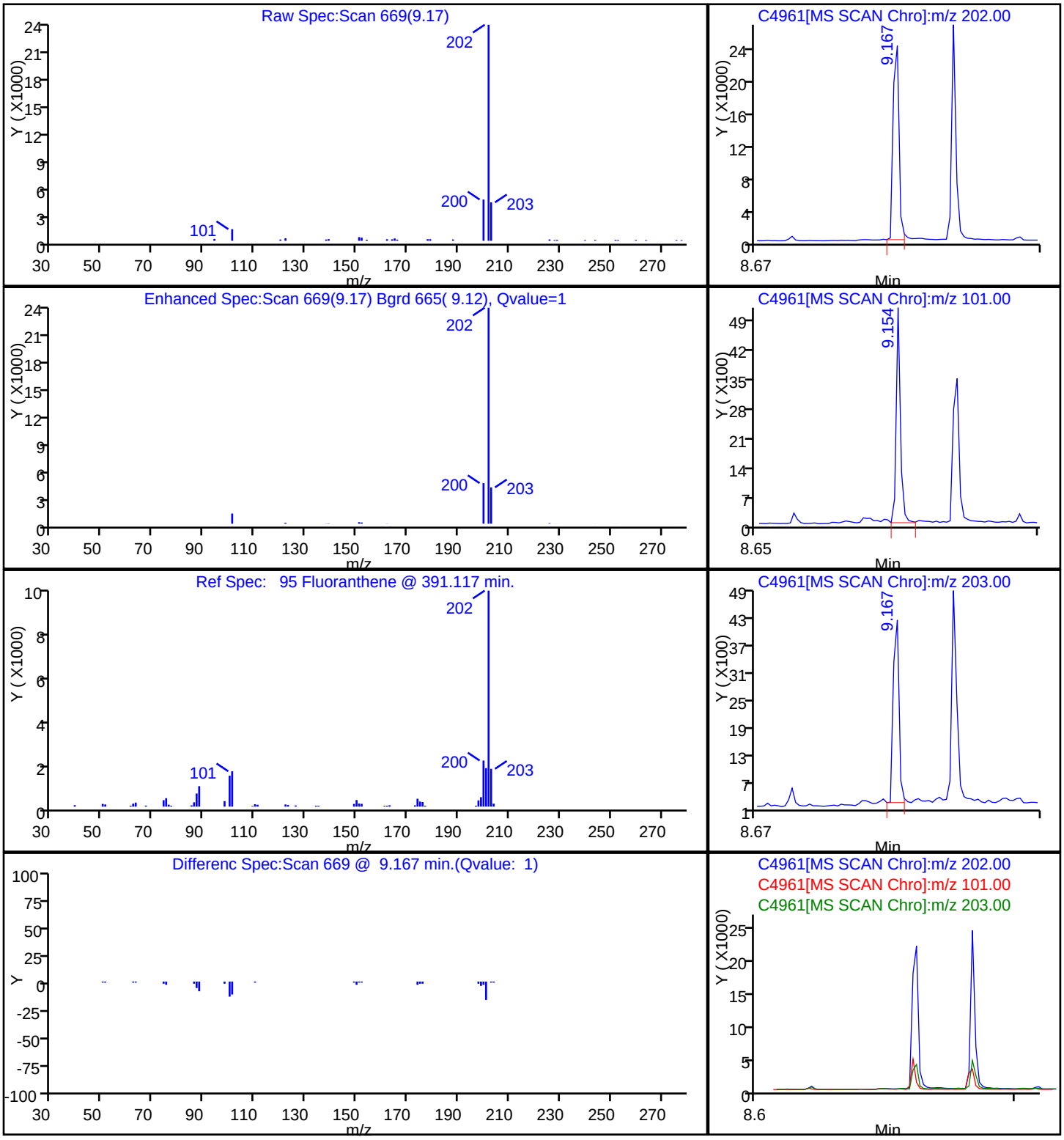


Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene

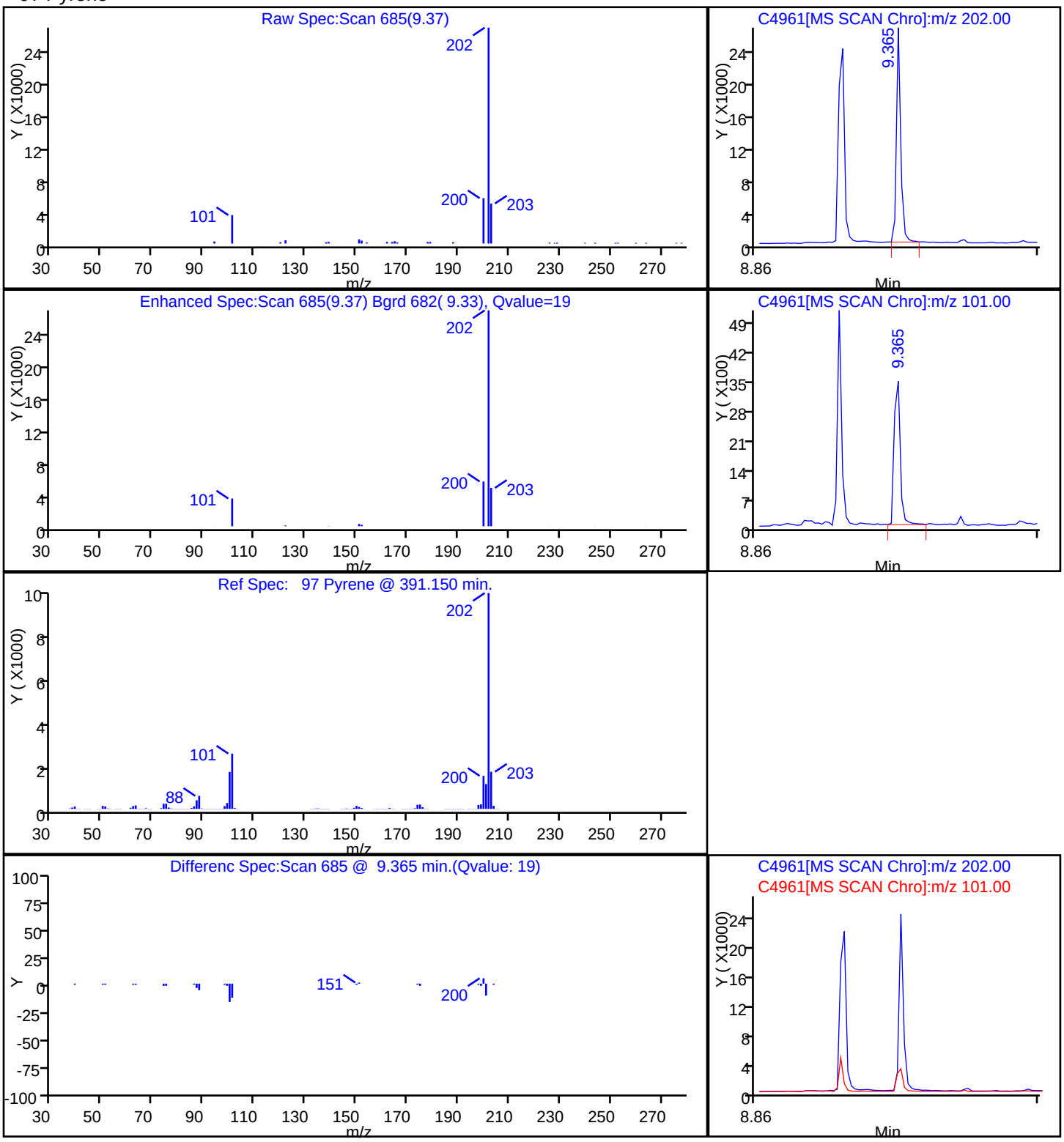


Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

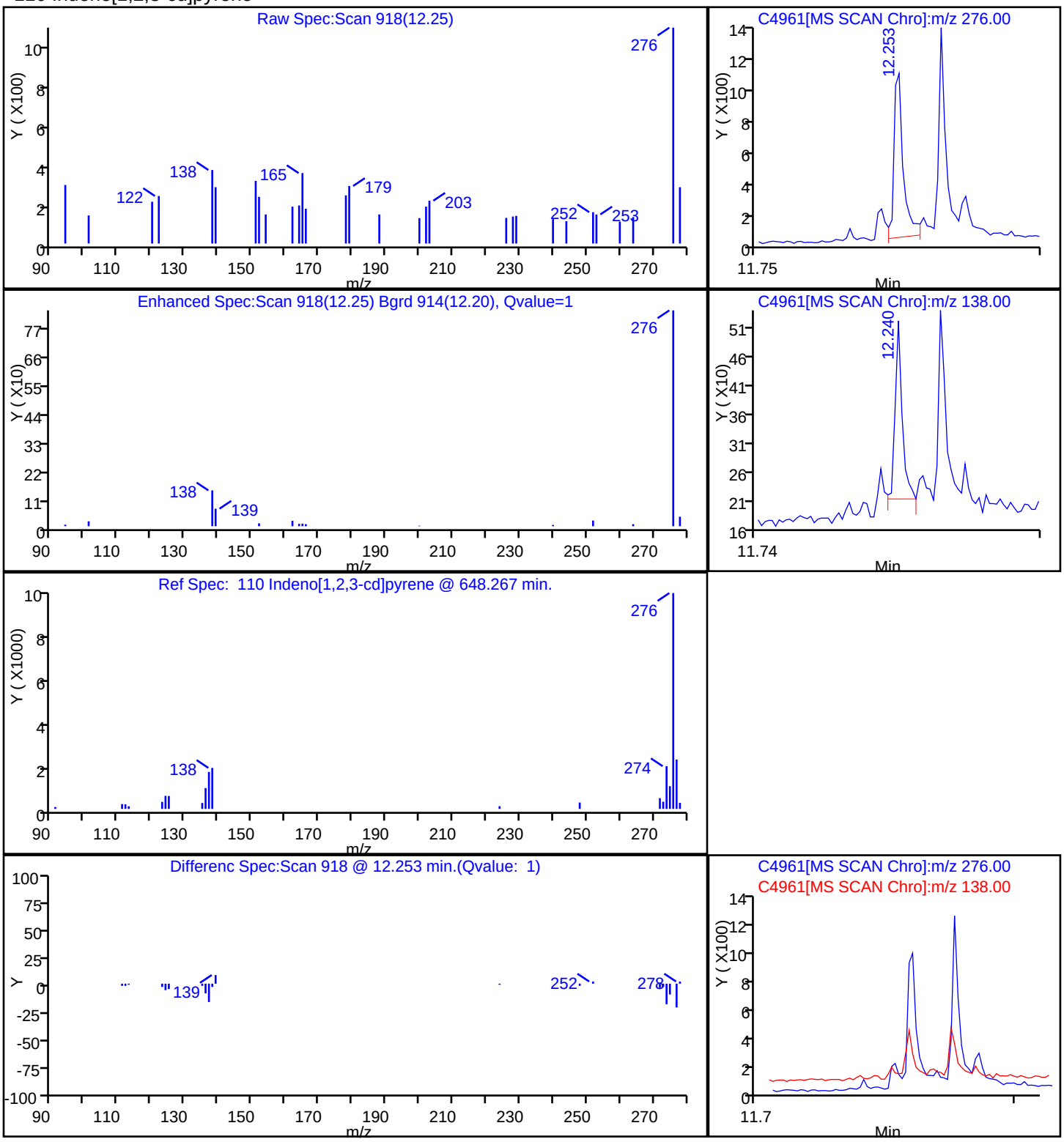
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D

Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

97 Pyrene

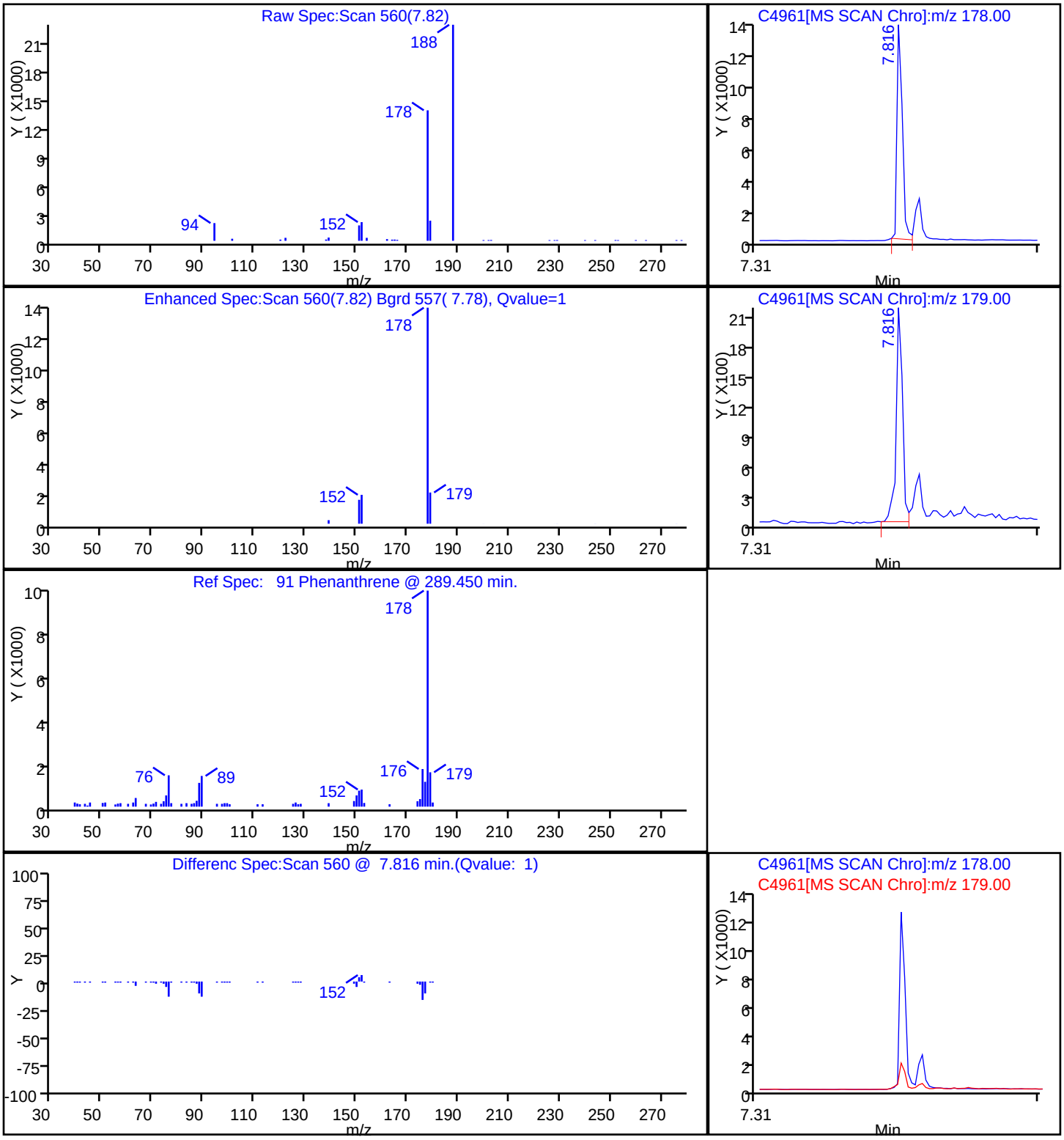


Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SSW-1 Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 12
Operator ID: wds Injection Vol: 1.00 ul
110 Indeno[1,2,3-cd]pyrene



Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D
Injection Date: 23-Aug-2011 18:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SSW-1 Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 12
Operator ID: wds Injection Vol: 1.00 ul

91 Phenanthrene



Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

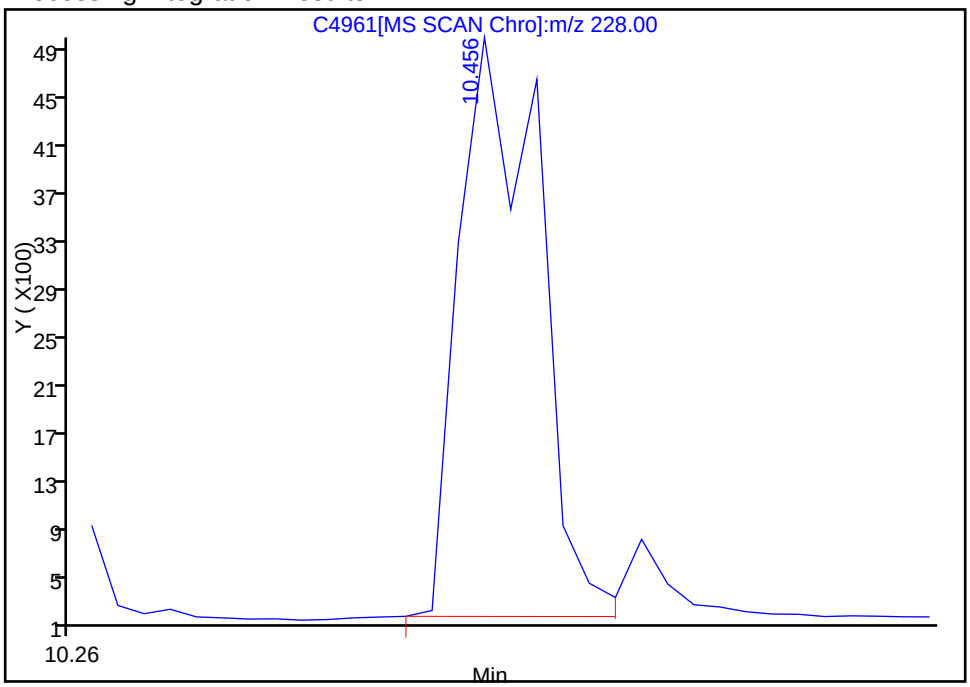
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D		
Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.44

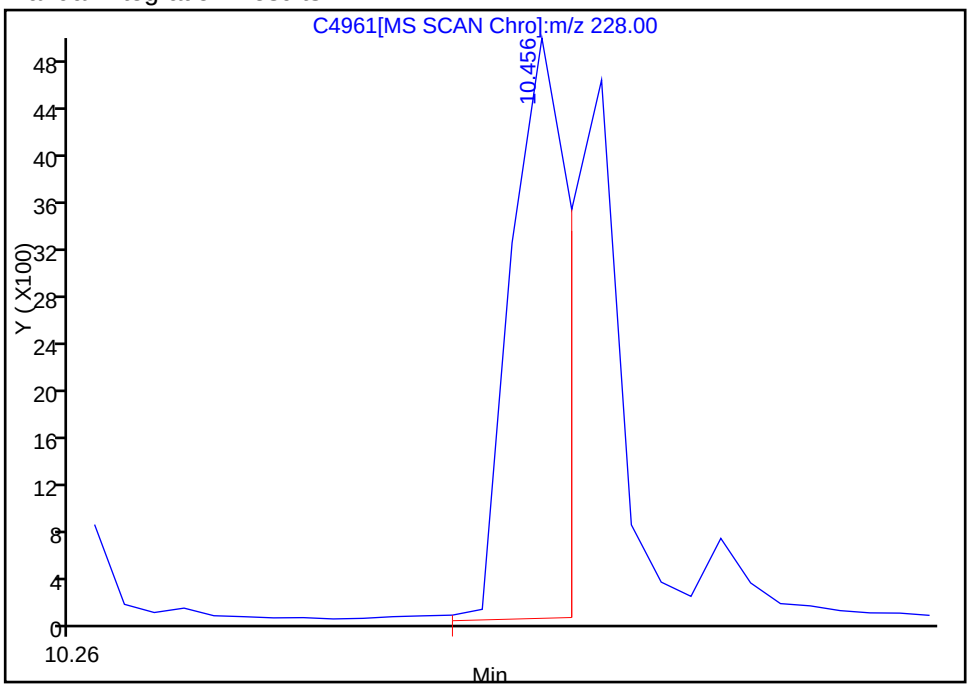
Processing Integration Results

RT: 10.46
Response: 12759
Amount: 4.498470



Manual Integration Results

RT: 10.46
Response: 8641
Amount: 3.046577



Reviewer: squiresb, 24-Aug-2011 09:14:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

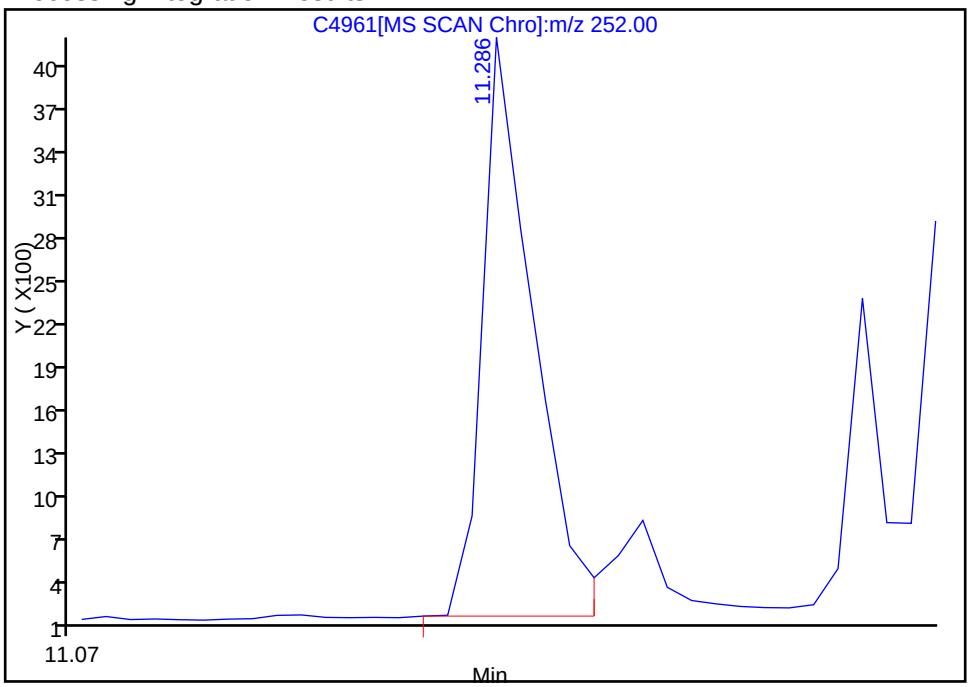
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D		
Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.30

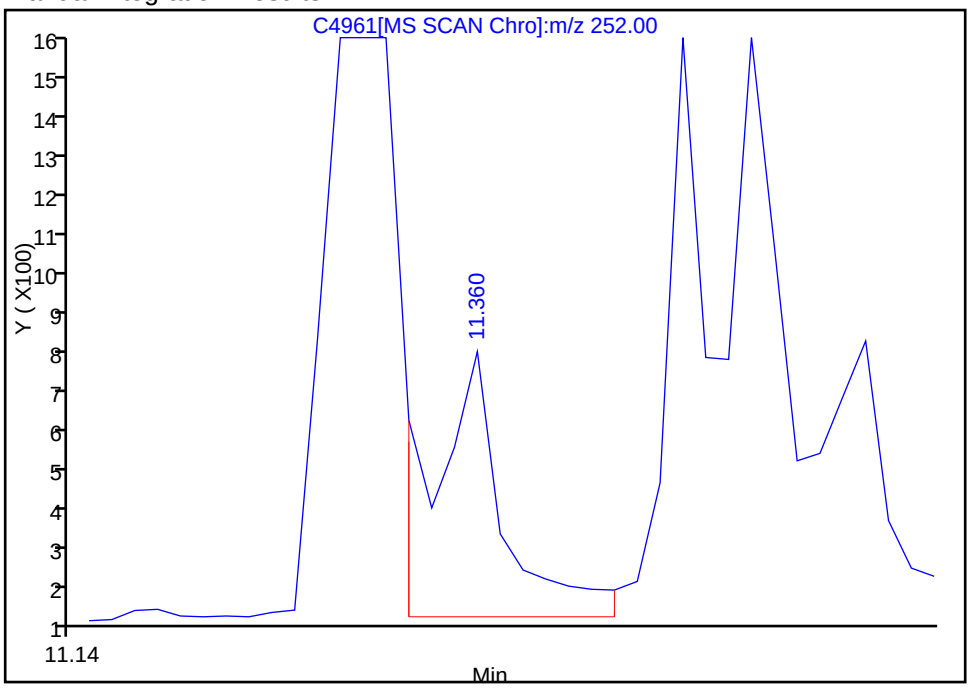
Processing Integration Results

RT: 11.29
Response: 7181
Amount: 3.359025



Manual Integration Results

RT: 11.36
Response: 1879
Amount: 0.878932



Reviewer: squiresb, 24-Aug-2011 09:14:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

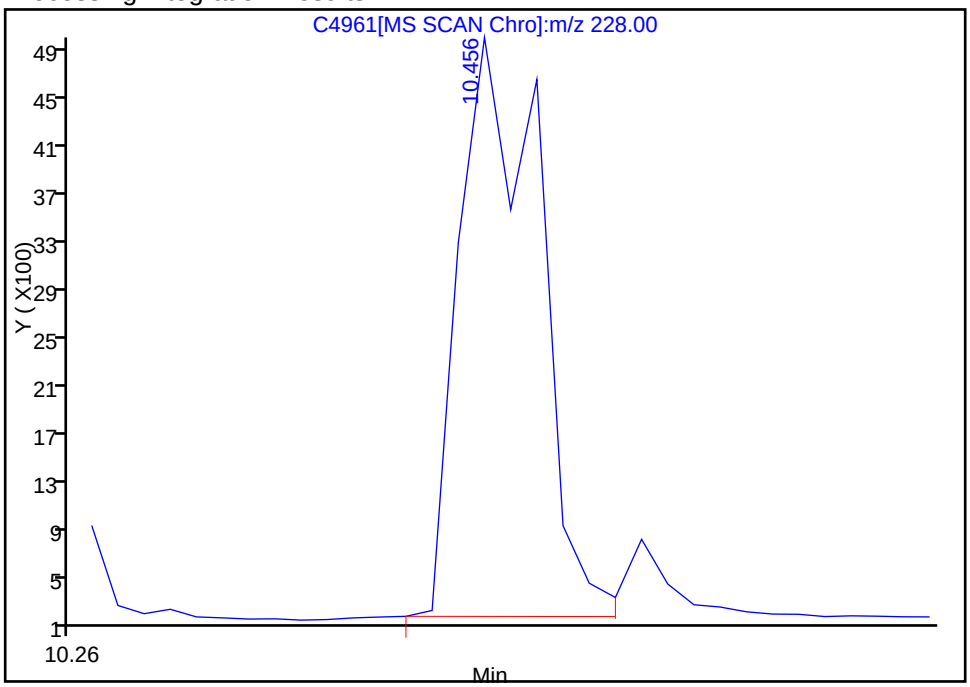
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D		
Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.48

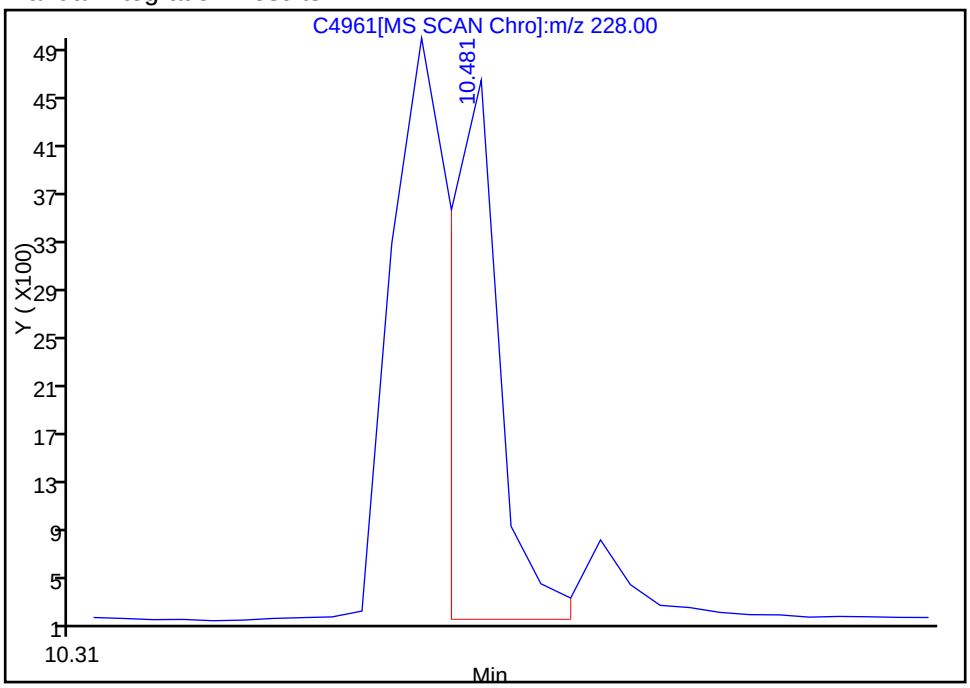
Processing Integration Results

RT: 10.46
Response: 12759
Amount: 3.852029



Manual Integration Results

RT: 10.48
Response: 6849
Amount: 2.067760



Reviewer: squiresb, 24-Aug-2011 09:14:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:14:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

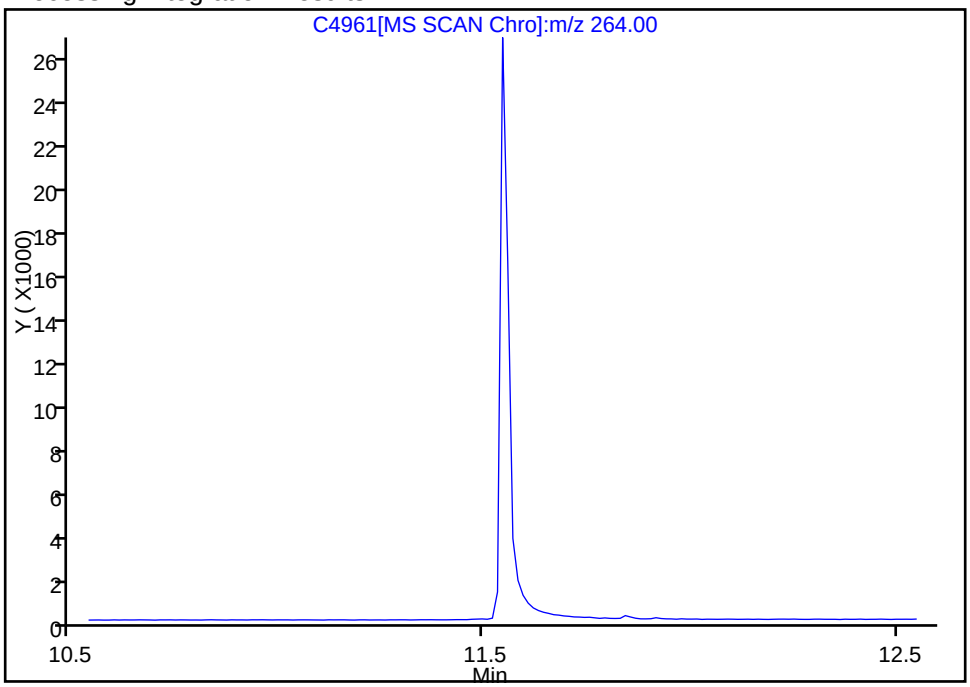
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4961.D		
Injection Date:	23-Aug-2011 18:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	12
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

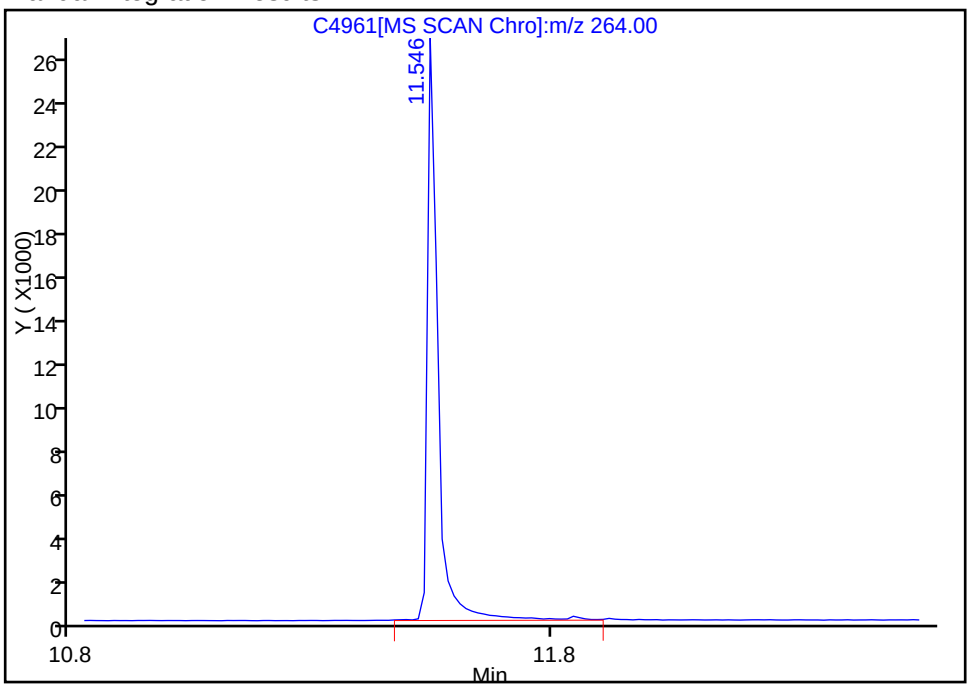
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.55
Response: 40524
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:14:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85359

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-85359/2	C4921.D
Level 2	IC 510-85359/3	C4922.D
Level 3	IC 510-85359/4	C4923.D
Level 4	IC 510-85359/5	C4924.D
Level 5	IC 510-85359/6	C4925.D
Level 6	IC 510-85359/7	C4926.D
Level 7	IC 510-85359/8	C4927.D
Level 8	IC 510-85359/9	C4928.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								
Naphthalene	1.3280 1.3684	1.2940 1.2909	1.3831 1.2092	1.3458	1.3489	Ave		1.3210			0.0500	4.2		15.0			
2-Methylnaphthalene	0.7755 0.8002	0.7511 0.7906	0.7733 0.7468	0.8206	0.7844	Ave		0.7803			0.0500	3.1		15.0			
Acenaphthylene	2.4030 2.5144	2.4736 2.4256	2.7364 1.7771	2.6669	2.6480	Ave		2.4556			0.0500	12.0		15.0			
Acenaphthene	1.2794 1.3863	1.3828 1.3768	1.4919 1.1970	1.4300	1.3970	Ave		1.3677			0.0500	6.6		15.0			
Fluorene	1.4180 1.6189	1.4176 1.6344	1.5344 1.1040	1.5617	1.6237	Ave		1.4891			0.0500	12.0		15.0			
Phenanthrene	1.3526 1.4811	1.3103 1.4274	1.4601 1.3379	1.4079	1.4264	Ave		1.4005			0.0500	4.3		15.0			
Anthracene	1.2834 1.5385	1.2606 1.5226	1.4808 1.3364	1.4074	1.5100	Ave		1.4175			0.0500	7.9		15.0			
Fluoranthene	1.3351 1.4873	1.2645 1.2634	1.4893 1.3806	1.2895	1.4649	Ave		1.3718			0.0500	7.1		15.0			
Pyrene	1.8308 2.0796	1.8327 2.4912	2.1133 1.5738	2.0608	1.9778	Ave		1.9950			0.0500	13.0		15.0			
Benzo[a]anthracene	2.0761 1.5878	1.4014 1.8719	1.6576 1.3879	1.4495	1.5110	Ave		1.6179			0.0500	15.0		15.0			
Chrysene	1.5224 2.0866	1.8627 1.8655	2.0207 1.7293	1.9692	2.0588	Ave		1.8894			0.0500	10.0		15.0			
Benzo[b]fluoranthene	1.5280 1.2786	1.4527 1.8911	1.5973 1.3929	1.4584	1.6054	Ave		1.5255			0.0500	12.0		15.0			
Benzo[k]fluoranthene	1.7597 2.6552	1.6636 2.1003	2.1443 2.2655	2.0071	2.2858	Ave		2.1102			0.0500	15.0		15.0			
Benzo[a]pyrene	0.8457 1.3012	0.8281 1.5822	1.1536 1.3441	1.1903	1.3334	Lin	0	1.3860			0.0500				0.9930		0.9900

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 EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 85359

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

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								
Indeno[1,2,3-cd]pyrene	0.7982 1.3139	0.8510 1.4390	1.0109 1.3909	1.0672	1.2238	Lin	-0.961	1.4110			0.0500				0.9990		0.9900
Dibenz(a,h)anthracene	0.7854 1.1594	0.8017 1.2750	0.9617 1.2691	0.9953	1.1102	Lin2	-0.232	1.1575			0.0500				0.9900		0.9900
Benzo[g,h,i]perylene	1.2534 1.3112	1.1623 1.3540	1.1901 1.2906	1.2259	1.3504	Ave		1.2672			0.0500	5.6		15.0			
Nitrobenzene-d5	0.5364 0.5670	0.5158 0.5477	0.5483 0.5240	0.5626	0.5702	Ave		0.5465			0.0500	3.7		15.0			
2-Fluorobiphenyl	1.8719 2.0040	1.8714 1.9381	2.0342 1.5792	2.0856	2.0691	Ave		1.9317			0.0500	8.5		15.0			
Terphenyl-d14	0.6788 0.8404	0.7229 0.8973	0.8188 0.7549	0.8121	0.7455	Ave		0.7838			0.0500	9.0		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.: 510-69047-1 Analy Batch No.: 85359

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-85359/2	C4921.D
Level 2	IC 510-85359/3	C4922.D
Level 3	IC 510-85359/4	C4923.D
Level 4	IC 510-85359/5	C4924.D
Level 5	IC 510-85359/6	C4925.D
Level 6	IC 510-85359/7	C4926.D
Level 7	IC 510-85359/8	C4927.D
Level 8	IC 510-85359/9	C4928.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Naphthalene	NPT	Ave	2983 137257	6626 285869	10329 513469	37665	66541	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Methylnaphthalene	NPT	Ave	1742 80259	3846 175076	5775 317115	22968	38694	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthylene	ANT	Ave	2547 116482	5615 249313	8371 403024	33312	55489	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthene	ANT	Ave	1356 64221	3139 141516	4564 271459	17862	29275	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluorene	ANT	Ave	1503 74995	3218 167991	4694 250378	19508	34024	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Phenanthrene	PHN	Ave	1934 88424	4353 209888	6002 330768	21903	40713	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Anthracene	PHN	Ave	1835 91849	4188 223885	6087 330387	21896	43099	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluoranthene	PHN	Ave	1909 88793	4201 185774	6122 341316	20061	41811	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Pyrene	CRY	Ave	1888 87514	4406 214757	6553 298988	20295	42164	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]anthracene	CRY	Ave	2141 66818	3369 161367	5140 263668	14275	32213	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Chrysene	CRY	Ave	1570 87806	4478 160823	6266 328528	19393	43892	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[b]fluoranthene	PRY	Ave	1319 49909	2921 149166	4287 237956	13583	29316	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[k]fluoranthene	PRY	Ave	1519 103644	3345 165667	5755 387032	18694	41741	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]pyrene	PRY	Lin	730 50793	1665 124803	3096 229632	11086	24349	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Indeno[1,2,3-cd]pyrene	PRY	Lin	689 51288	1711 113502	2713 237628	9940	22347	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.: 510-69047-1 Analy Batch No.: 85359

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/19/2011 10:22 Calibration End Date: 08/19/2011 12:50 Calibration ID: 4212

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			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
Dibenz(a,h)anthracene	PRY	Lin2	678 45258	1612 100571	2581 216812	9270	20273	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[g,h,i]perylene	PRY	Ave	1082 51183	2337 106798	3194 220481	11418	24660	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Nitrobenzene-d5	NPT	Ave	1205 56870	2641 121283	4095 222488	15746	28130	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Fluorobiphenyl	ANT	Ave	1984 92839	4248 199199	6223 358149	26052	43358	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Terphenyl-d14	CRY	Ave	700 35364	1738 77354	2539 143422	7998	15893	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
Lin2 = Linear 1/conc^2 ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Lims ID:	ic 0.5	Client ID:	
Inject. Date:	19-Aug-2011 10:22:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	SSTD 0.5		
Misc. Info.:	510-0005411-002 =510-0005411-002		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	85359	Lims Sample ID:	2
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:27	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 11:06:43

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.534	2.534	0.000	1	83385	40.0	70.0- 130.0	100.0	
115	2.534	2.534	0.000		46380		25.1- 85.1	55.6	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	1205	0.4908	70.0- 130.0	100.0	
128	3.200	3.189	0.011		623		24.4- 84.4	51.7	
54	3.189	3.189	0.000		572		18.1- 78.1	47.5	
* 57 Naphthalene-d8									
136	4.028	4.028	0.000	1	179704	40.0	70.0- 130.0	100.0	
58 Naphthalene									M
128	4.050	4.050	0.000	0	2983	0.5026	70.0- 130.0	100.0	M
129	0.0	4.050	-4.050		0		0.0- 41.1		
62 2-Methylnaphthalene									
142	4.888	4.888	0.000	1	1742	0.4969	70.0- 130.0	100.0	
141	4.888	4.888	0.000		1382		51.2- 111.2	79.3	
115	4.888	4.888	0.000		666		9.6- 69.6	38.2	
$ 66 2-Fluorobiphenyl									
172	5.372	5.372	0.000	1	1984	0.4845			
71 Acenaphthylene									
152	5.931	5.931	0.000	1	2547	0.4893	70.0- 130.0	100.0	
151	5.931	5.931	0.000		514		0.0- 49.5	20.2	
* 73 Acenaphthene-d10									
164	6.117	6.117	0.000	1	84793	40.0	70.0- 130.0	100.0	
162	6.117	6.117	0.000		74918		60.5- 120.5	88.4	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.142	0.000	0	1356	0.4677	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.762	0.000	4	1503	0.4761	70.0- 130.0	100.0	
165	6.762	6.762	0.000		1361		58.7- 118.7	90.6	
* 90 Phenanthrene-d10									
188	7.976	7.976	0.000	1	114388	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.001	0.000	1	1934	0.4829	70.0- 130.0	100.0	
92 Anthracene									
178	8.063	8.063	0.000	1	1835	0.4527	70.0- 130.0	100.0	
95 Fluoranthene									M
202	9.302	9.302	0.000	0	1909	0.4866	70.0- 130.0	100.0	M
101	0.0	9.302	-9.302		0		0.0- 43.7		
97 Pyrene									M
202	9.513	9.513	0.000	0	1888	0.4588	70.0- 130.0	100.0	M
101	0.0	9.513	-9.513		0		0.0- 47.5		
$ 98 Terphenyl-d14									
244	9.724	9.724	0.000	1	700	0.4330	70.0- 130.0	100.0	
101 Benzo[a]anthracene									M
228	10.591	10.591	0.000	1	2141	0.6416	70.0- 130.0	100.0	M
229	10.591	10.591	0.000		603		0.0- 57.4	28.2	
226	10.579	10.591	-0.012		523		0.0- 56.2	24.4	
* 103 Chrysene-d12									M
240	10.591	10.591	0.000	1	82501	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	10.616	10.616	0.000	1	1570	0.4029	70.0- 130.0	100.0	M
226	10.579	10.616	-0.037		523		0.0- 54.2	33.3	
229	10.591	10.616	-0.025		603		0.0- 42.1	38.4	
106 Benzo[b]fluoranthene									M
252	11.447	11.447	0.000	0	1319	0.5008	70.0- 130.0	100.0	M
253	0.0	11.447	-11.447		0		15.4- 75.4		
107 Benzo[k]fluoranthene									M
252	11.447	11.447	0.000	0	1519	0.4170	70.0- 130.0	100.0	M
253	0.0	11.447	-11.447		0		1.9- 61.9		
108 Benzo[a]pyrene									M
252	11.657	11.657	0.000	0	730	0.3050	70.0- 130.0	100.0	M
253	0.0	11.657	-11.657		0		0.0- 55.1		
* 109 Perylene-d12									
264	11.707	11.707	0.000	1	69058	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	12.438	12.438	0.000	0	689	0.9642	70.0- 130.0	100.0	M
138	0.0	12.438	-12.438		0		5.1- 65.1		

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.463	12.463	0.000	0	678	0.5397	70.0- 130.0	100.0	M
139	0.0	12.463	-12.463		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.599	12.599	0.000	0	1082	0.4946	70.0- 130.0	100.0	M
138	0.0	12.599	-12.599		0		0.0- 54.9		

QC Flag Legend

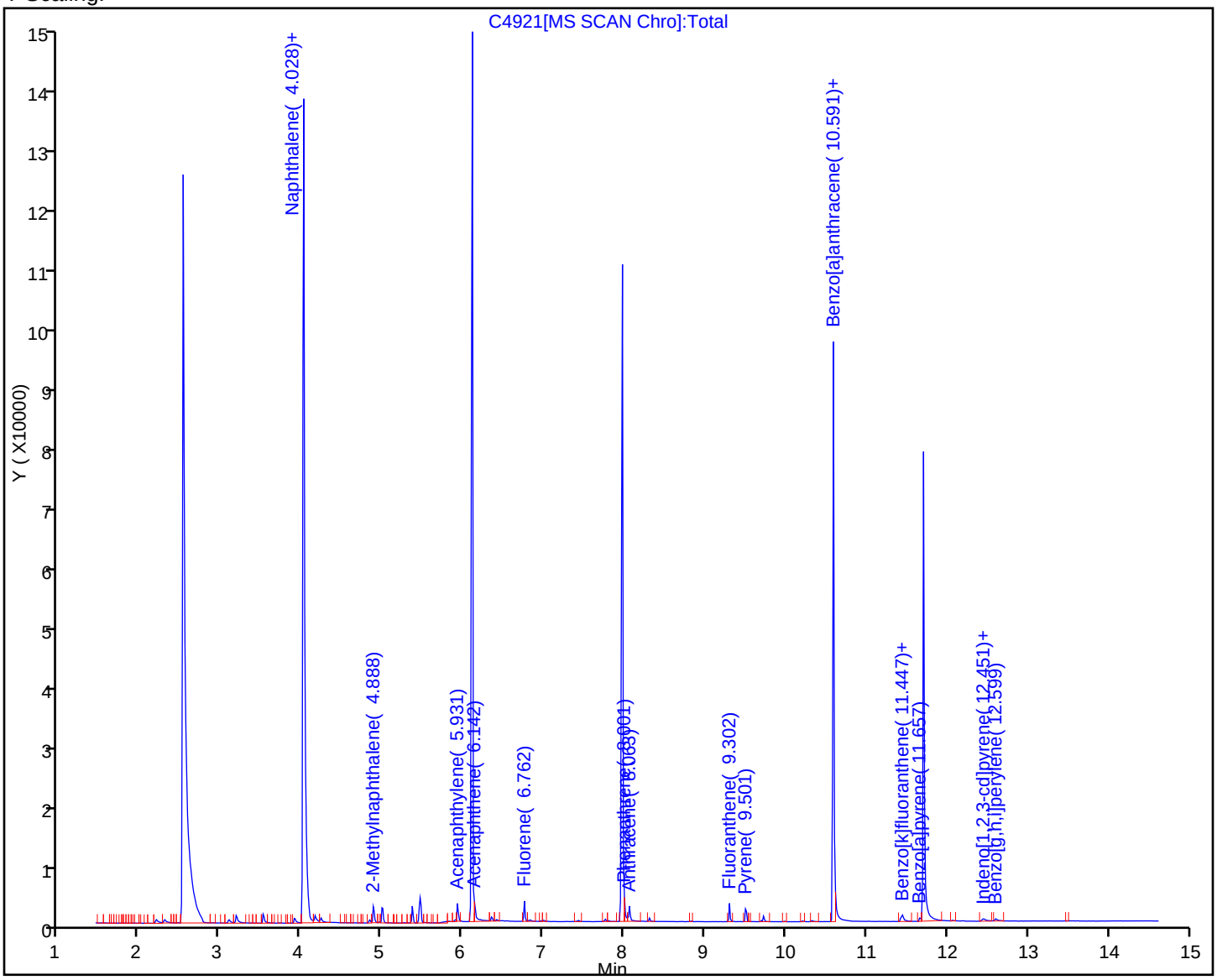
Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D

Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

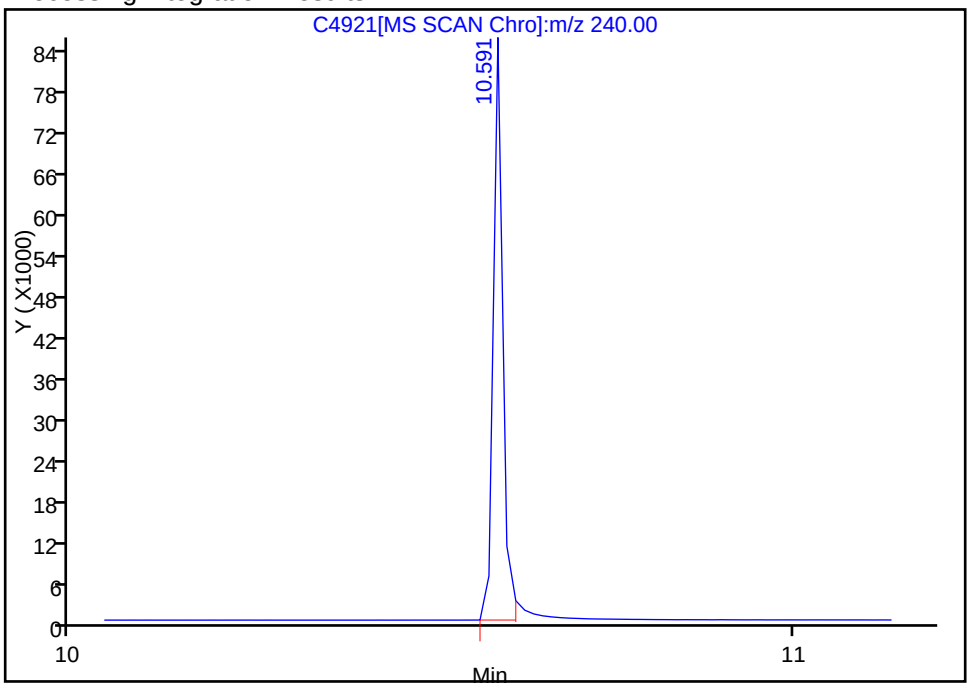
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.59

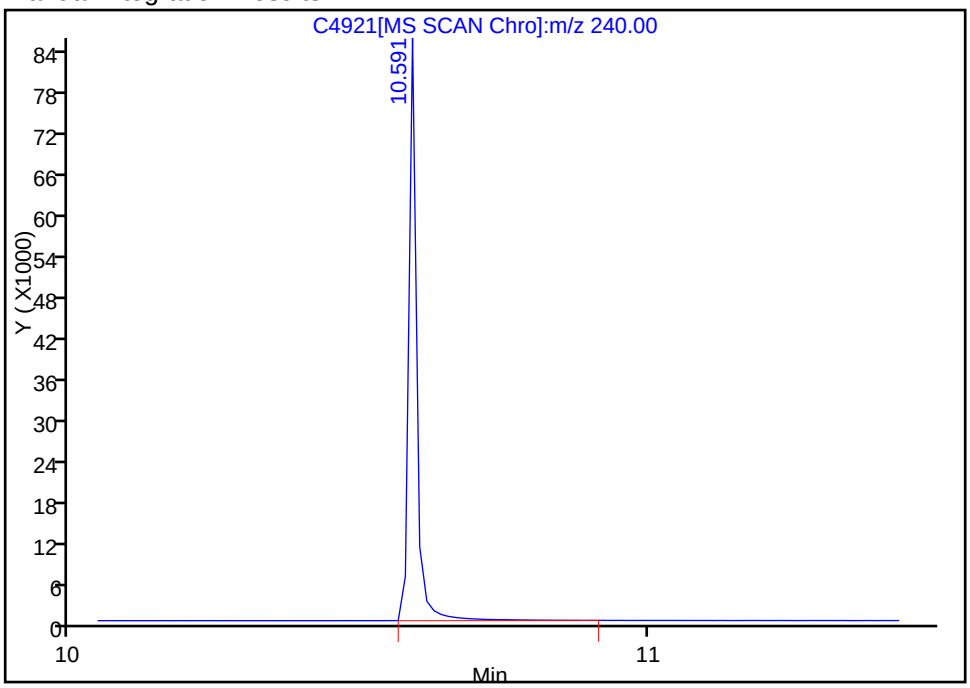
Processing Integration Results

RT: 10.59
Response: 78185
Amount: 40.000000



Manual Integration Results

RT: 10.59
Response: 82501
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

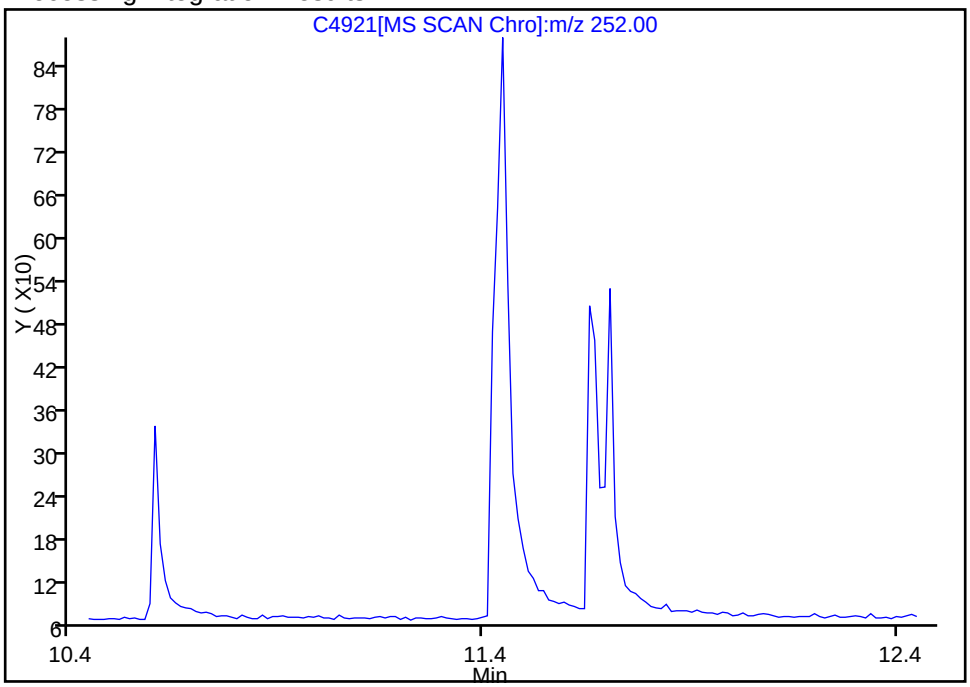
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

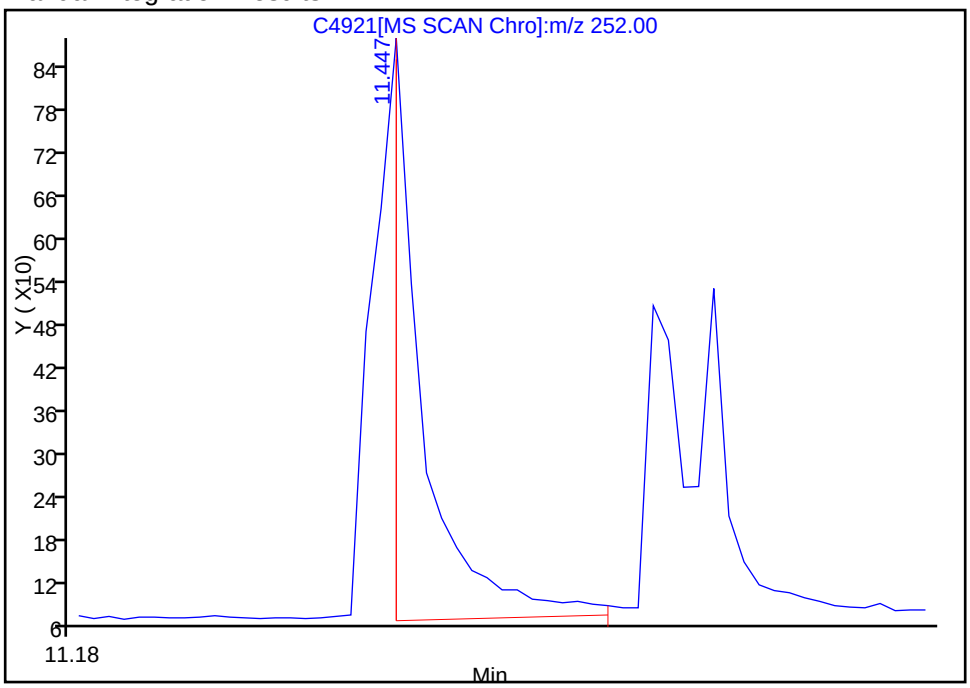
Processing Integration Results

Not Detected
Expected RT: 11.45



Manual Integration Results

RT: 11.45
Response: 1519
Amount: 0.416950



Reviewer: squiresb, 19-Aug-2011 13:54:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

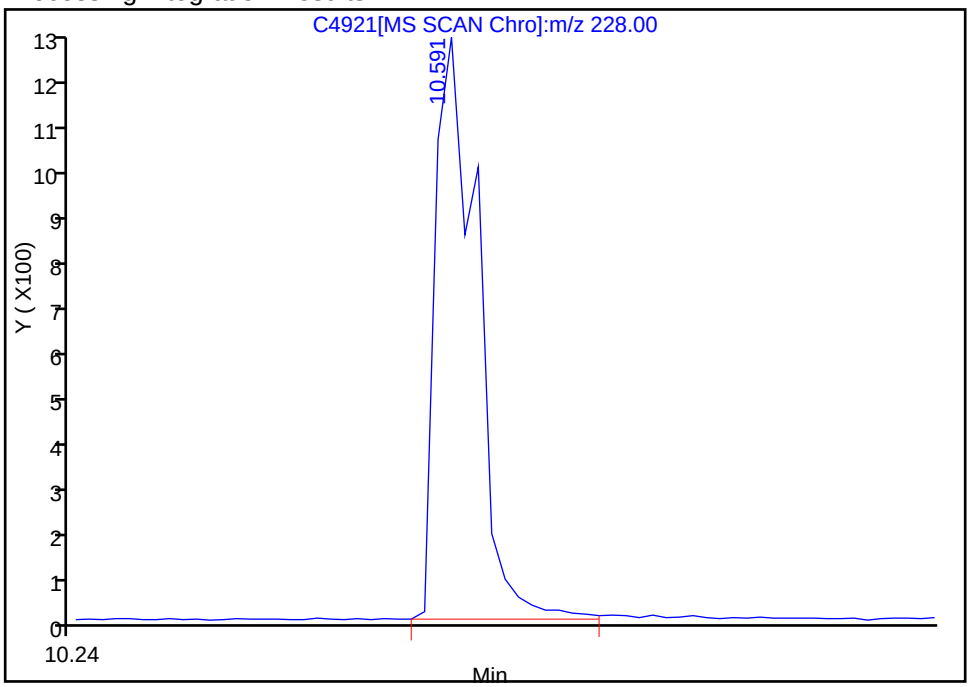
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

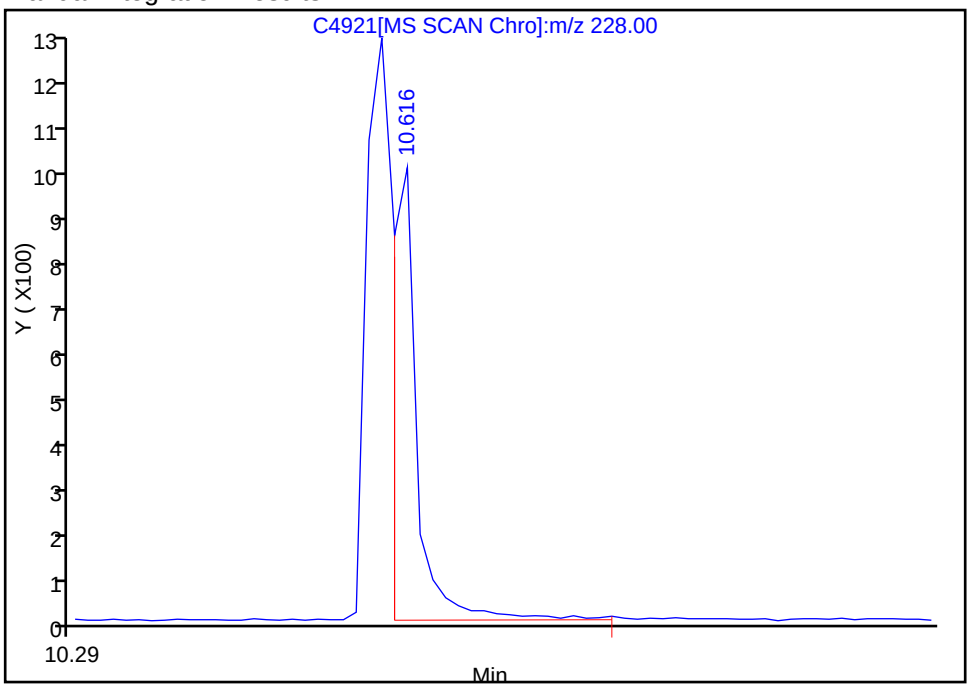
Processing Integration Results

RT: 10.59
Response: 3124
Amount: 0.500000



Manual Integration Results

RT: 10.62
Response: 1570
Amount: 0.402878



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

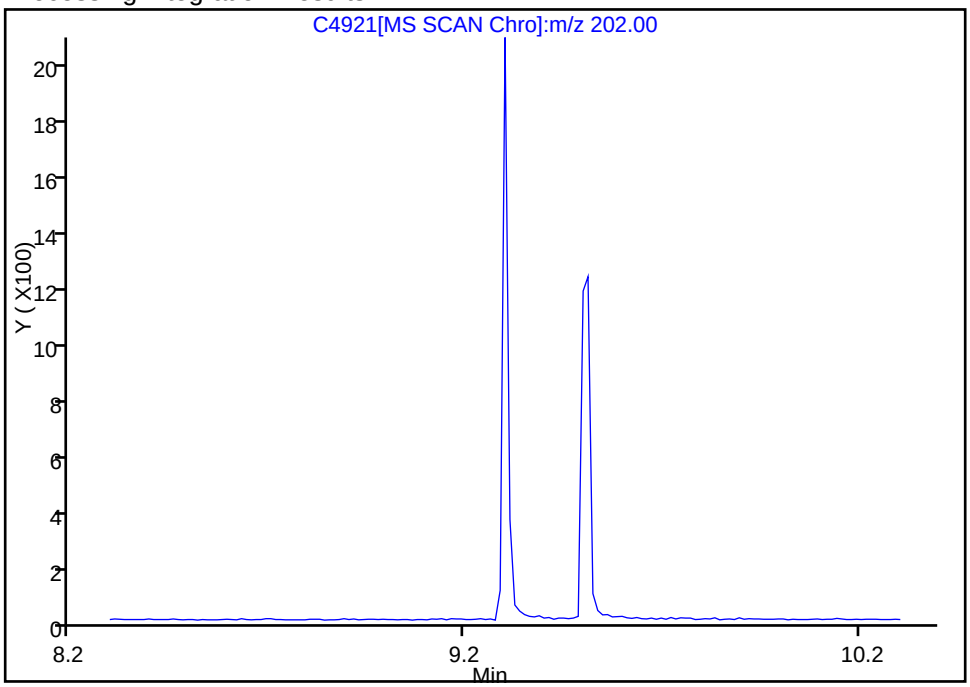
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.30

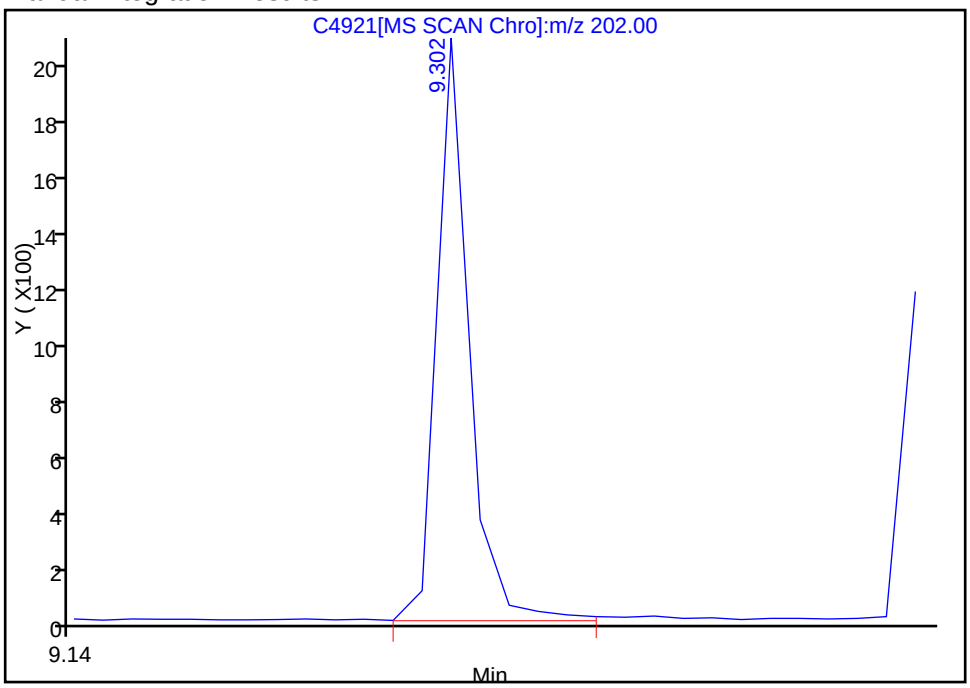
Not Detected
Expected RT: 9.30

Processing Integration Results



Manual Integration Results

RT: 9.30
Response: 1909
Amount: 0.486616



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

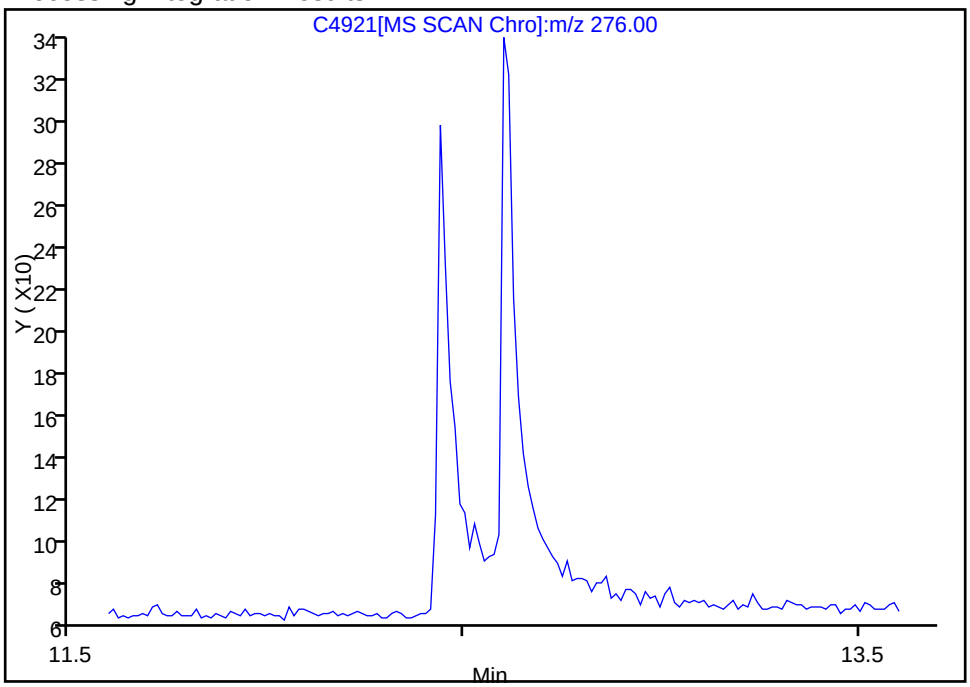
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.60

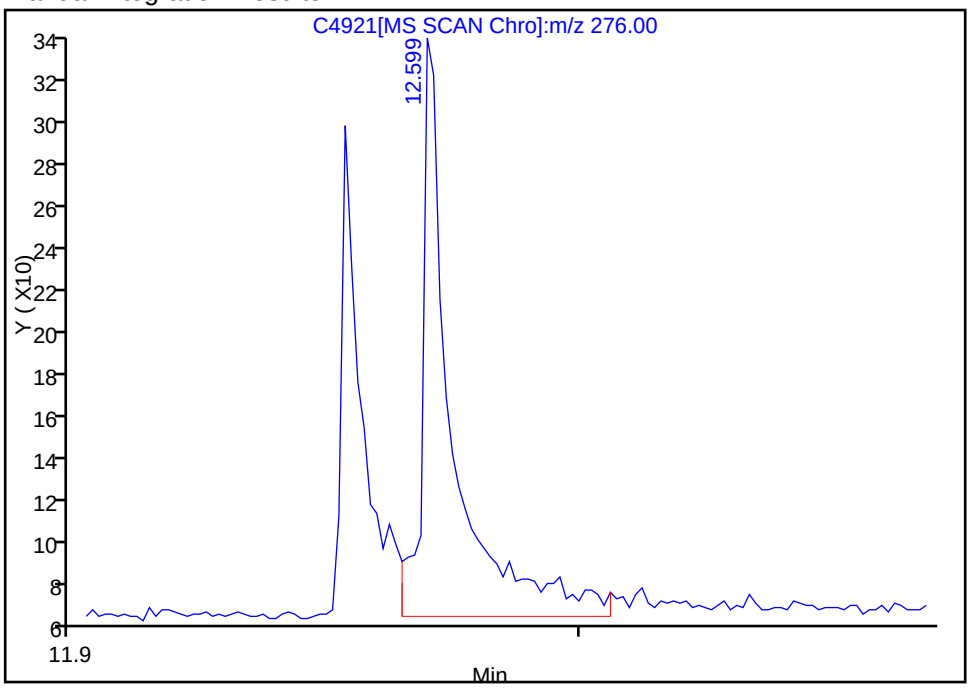
Processing Integration Results

Not Detected
Expected RT: 12.60



Manual Integration Results

RT: 12.60
Response: 1082
Amount: 0.494556



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

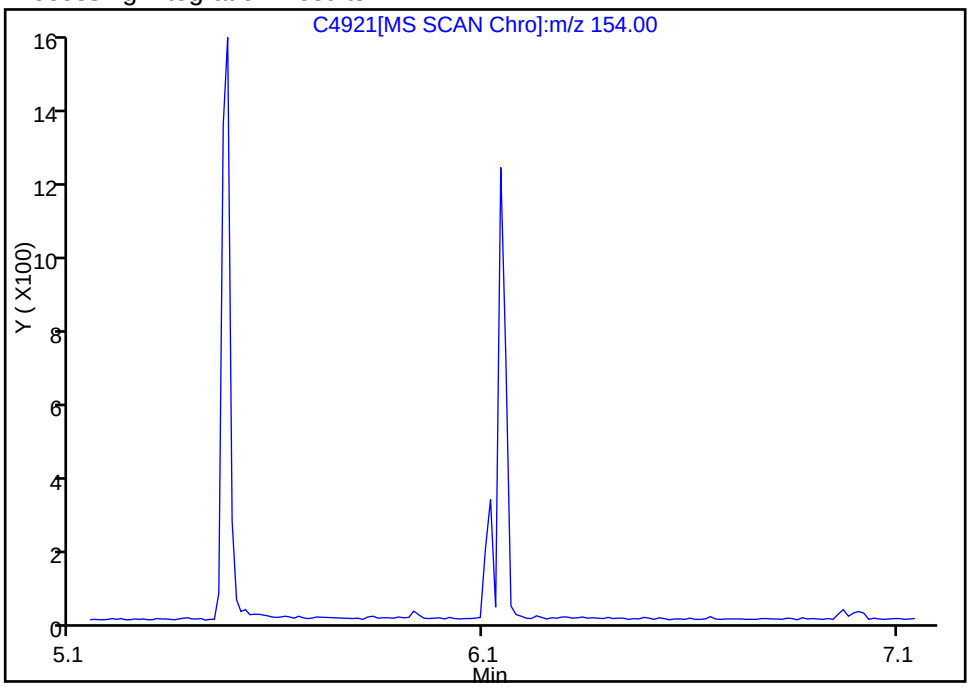
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

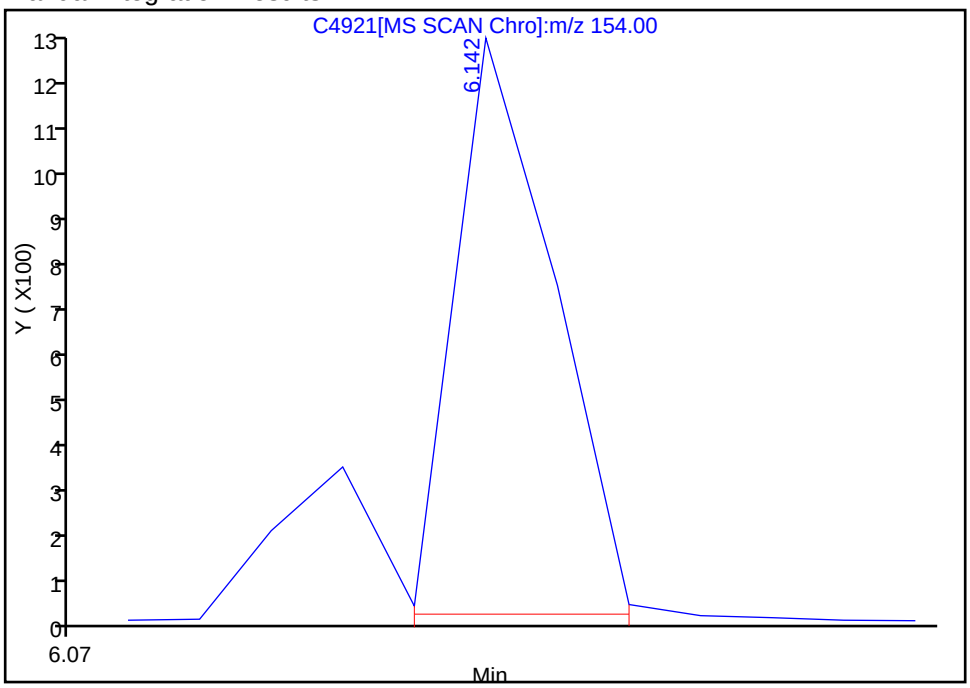
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 1356
Amount: 0.467718



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

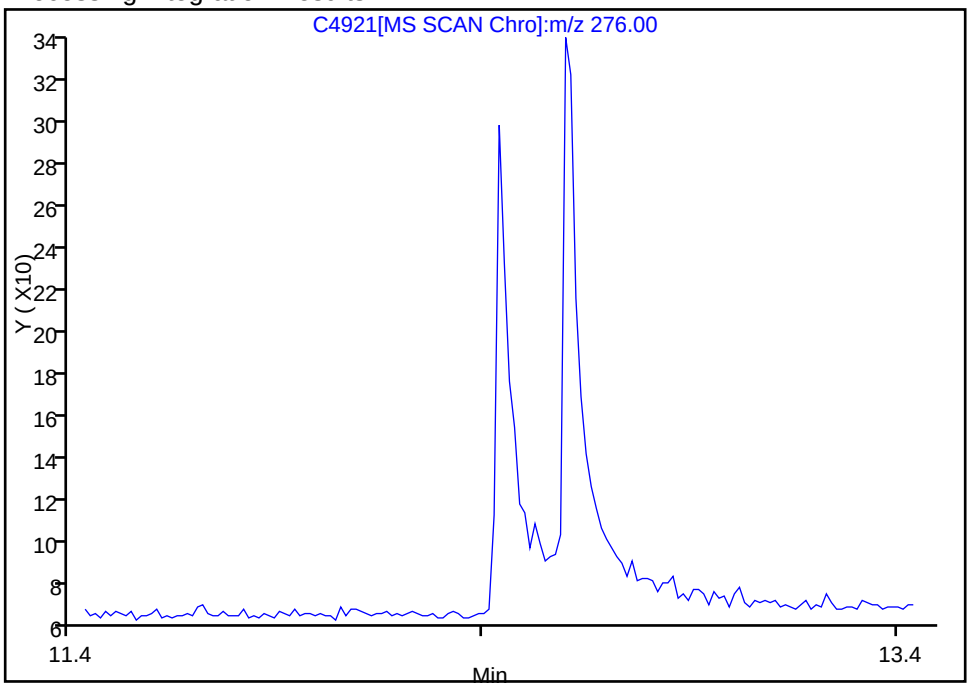
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.44

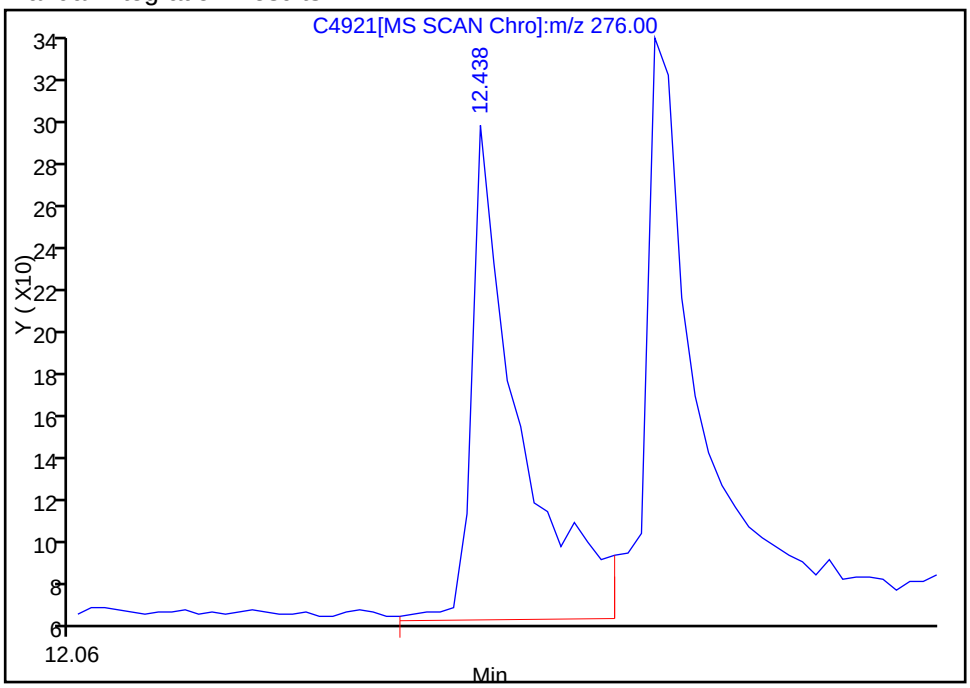
Not Detected
Expected RT: 12.44

Processing Integration Results



Manual Integration Results

RT: 12.44
Response: 689
Amount: 0.964197



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

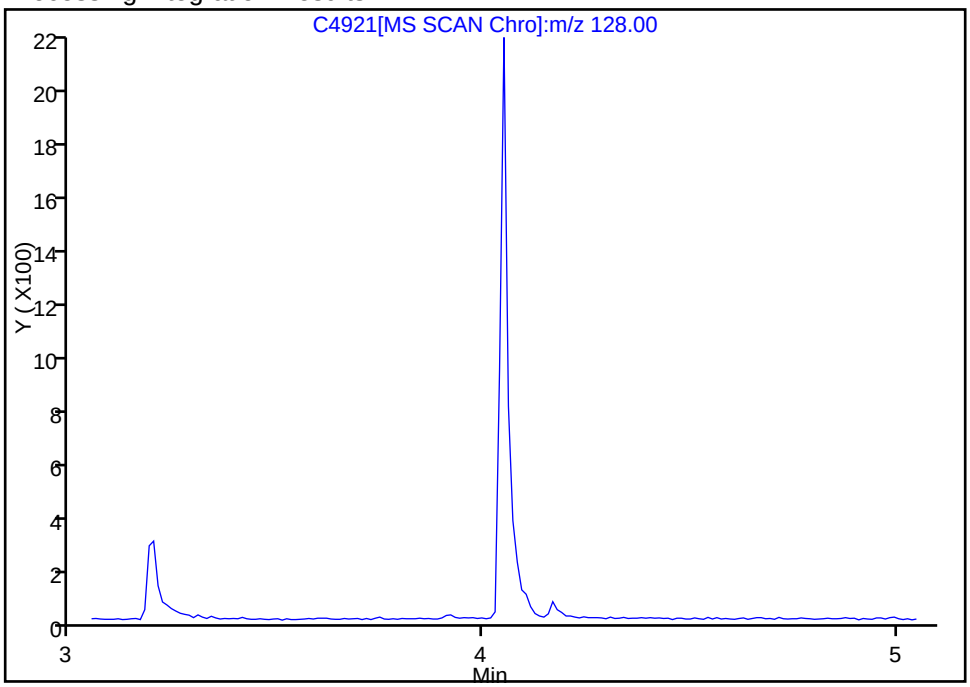
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

58 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 4.05

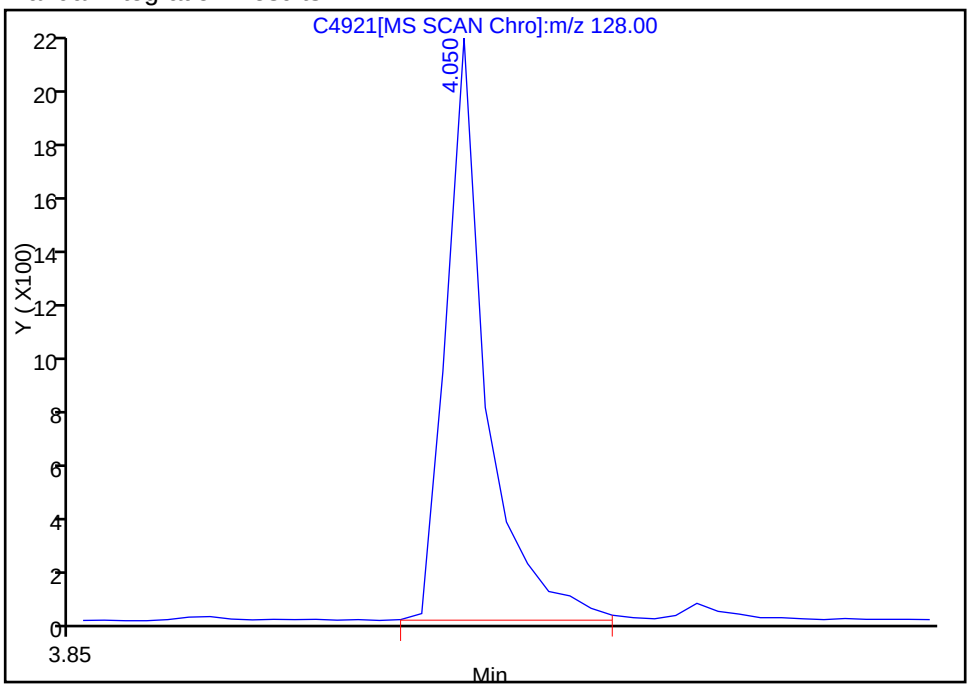
Processing Integration Results

Not Detected
Expected RT: 4.05



Manual Integration Results

RT: 4.05
Response: 2983
Amount: 0.502623



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

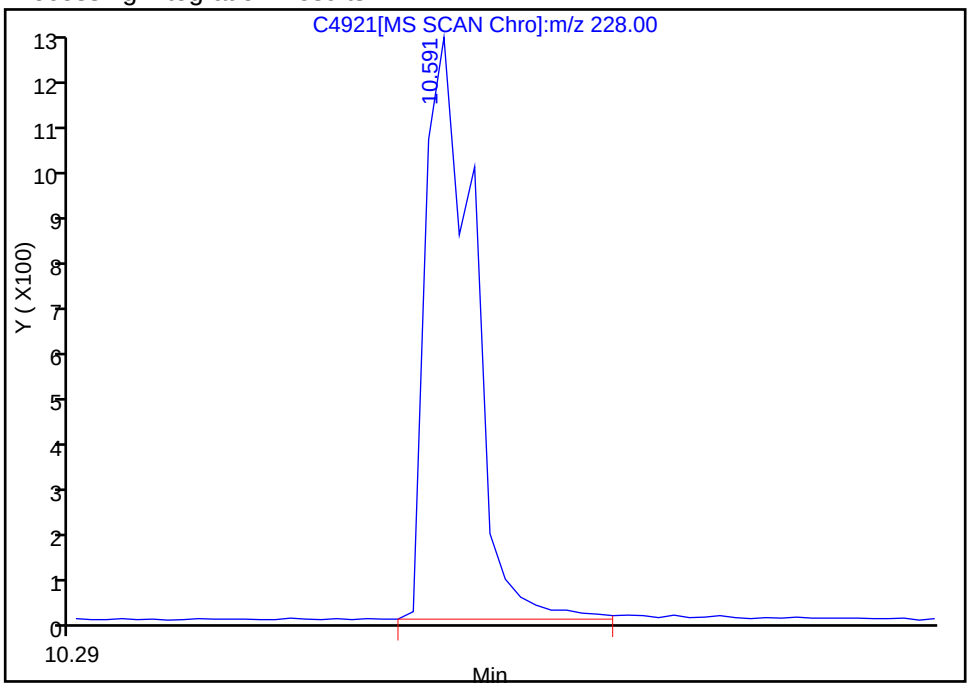
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 10.59

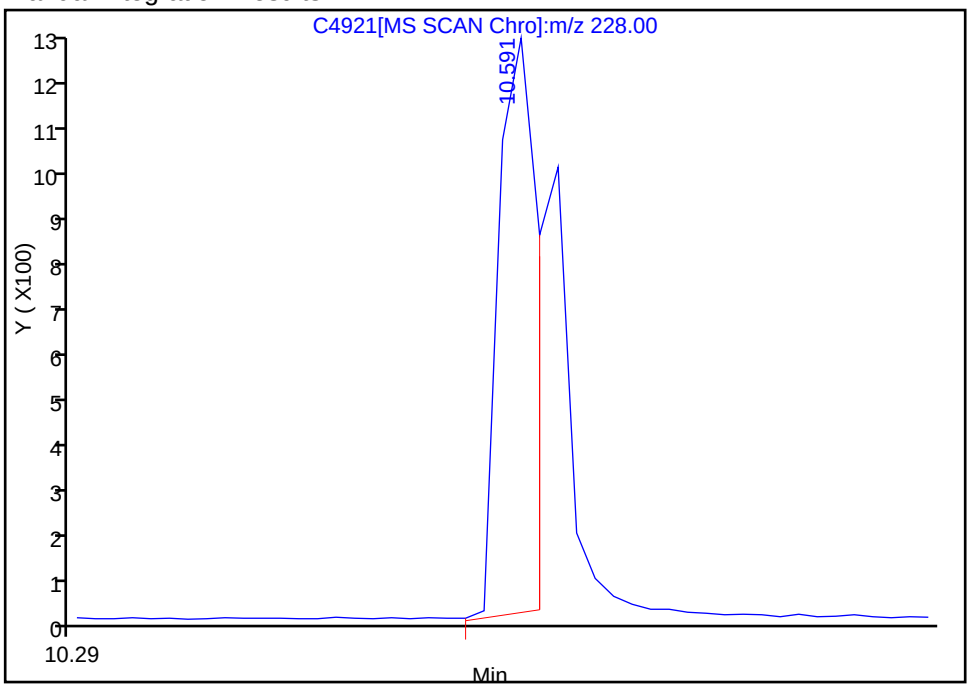
Processing Integration Results

RT: 10.59
Response: 3124
Amount: 0.500000



Manual Integration Results

RT: 10.59
Response: 2141
Amount: 0.641603



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

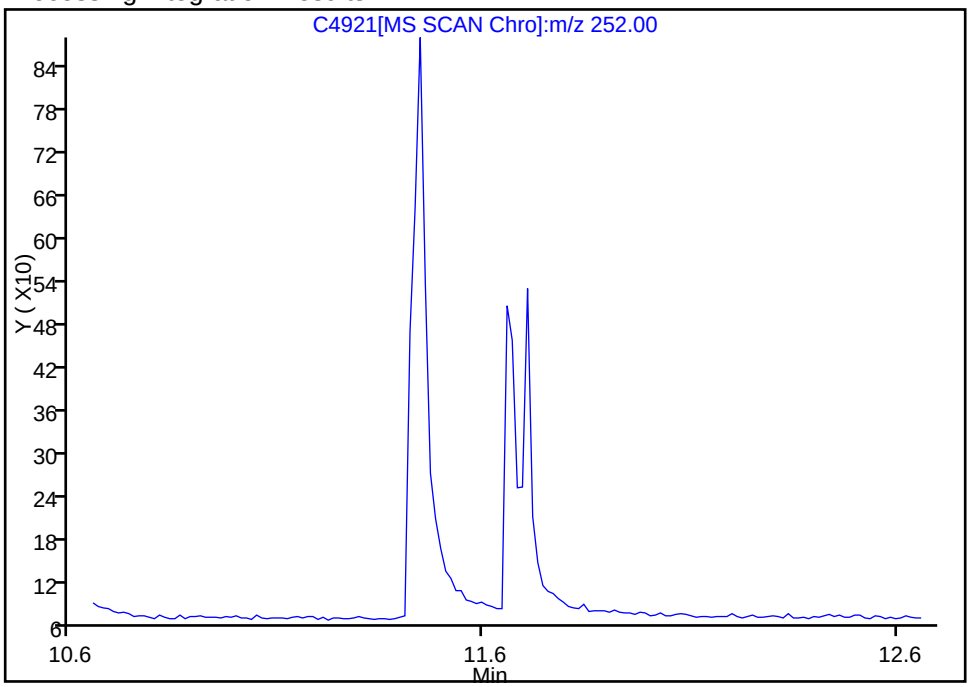
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.66

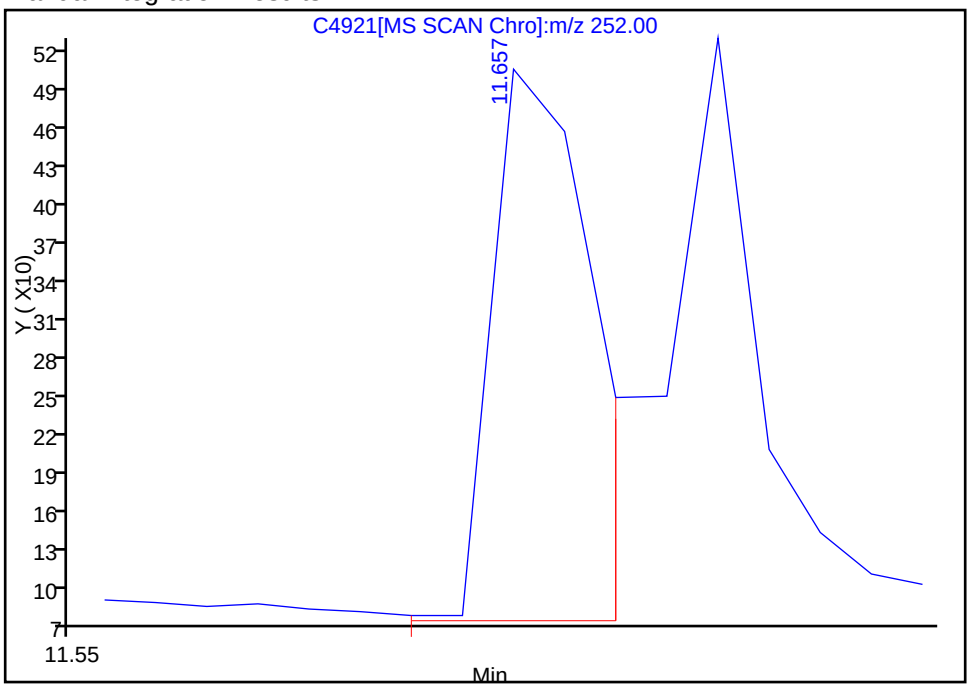
Processing Integration Results

Not Detected
Expected RT: 11.66



Manual Integration Results

RT: 11.66
Response: 730
Amount: 0.305031



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06

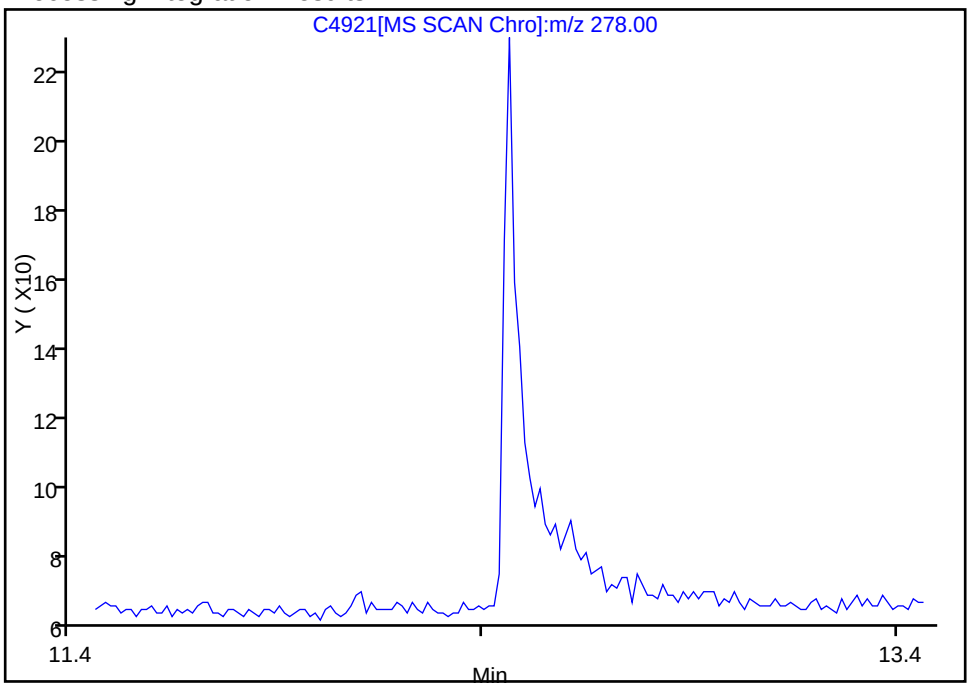
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.46

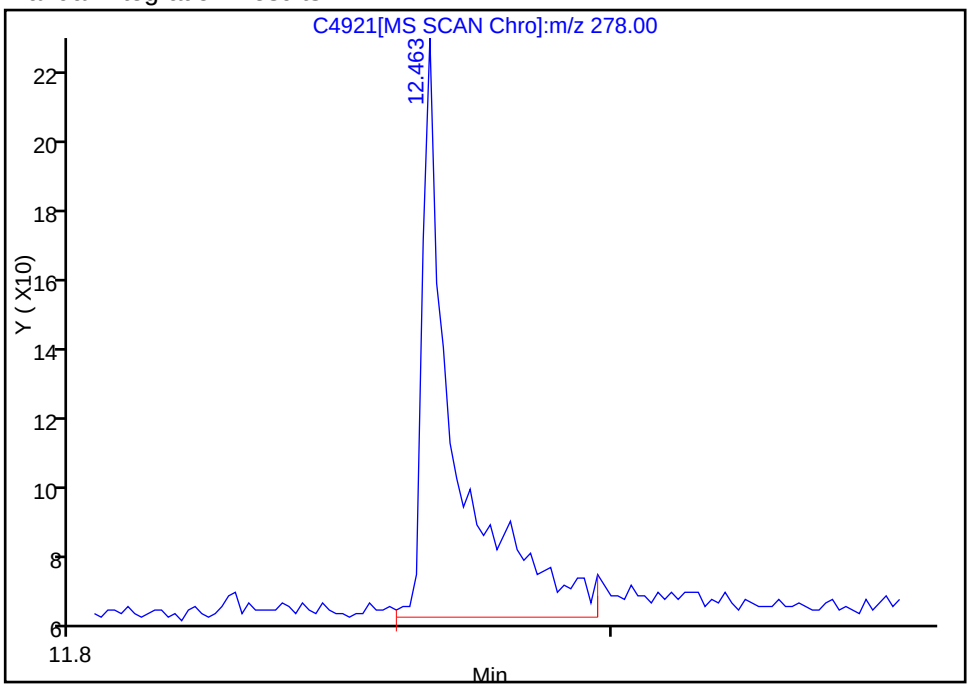
Processing Integration Results

Not Detected
Expected RT: 12.46



Manual Integration Results

RT: 12.46
Response: 678
Amount: 0.539742



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

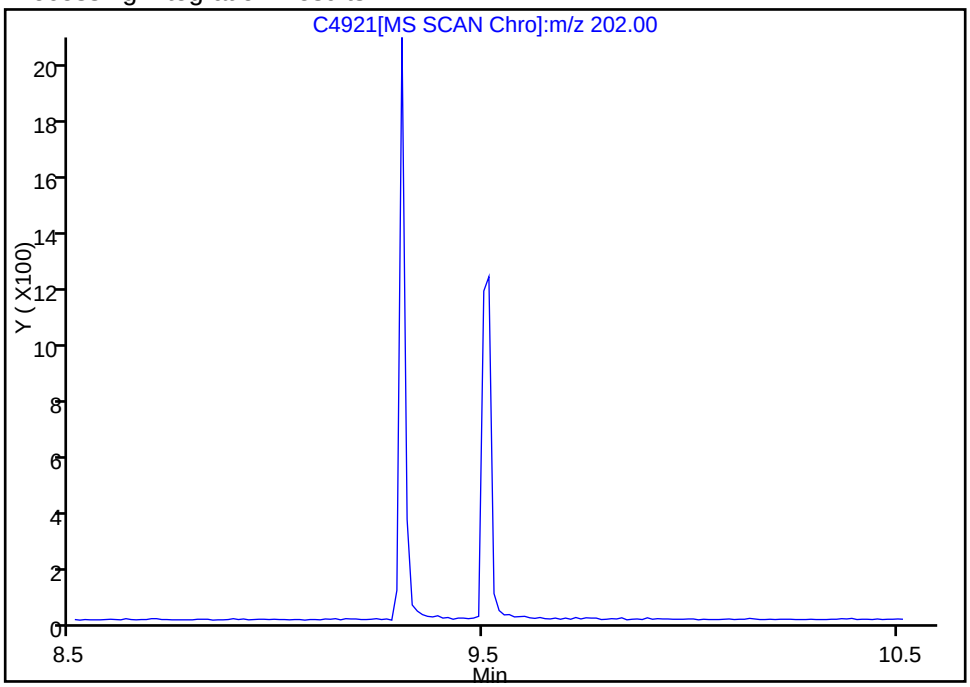
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 9.51

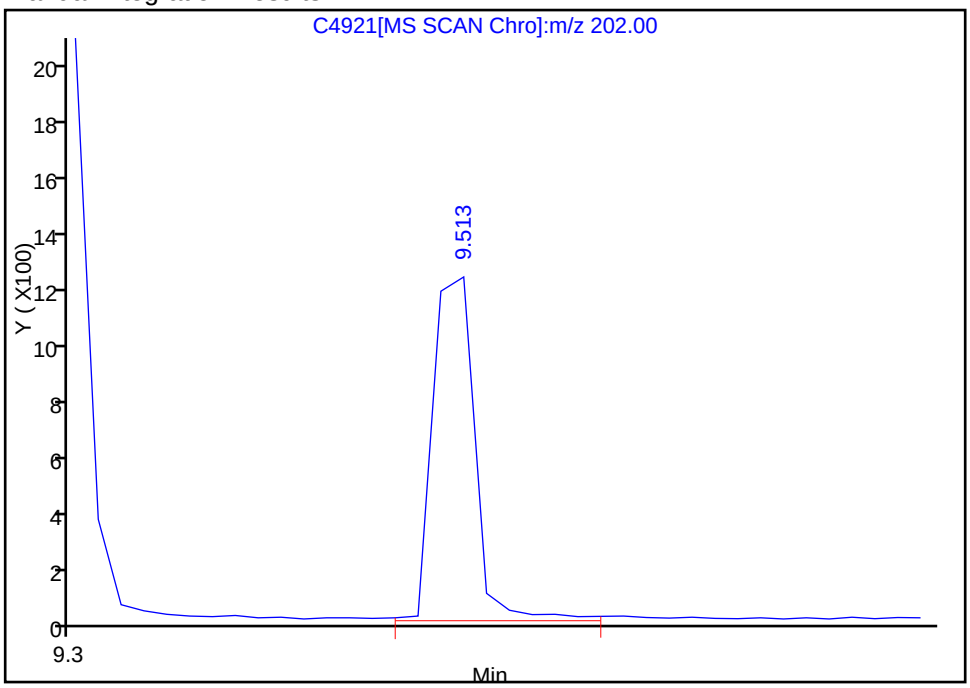
Processing Integration Results

Not Detected
Expected RT: 9.51



Manual Integration Results

RT: 9.51
Response: 1888
Amount: 0.458838



Reviewer: squiresb, 19-Aug-2011 11:06:43
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

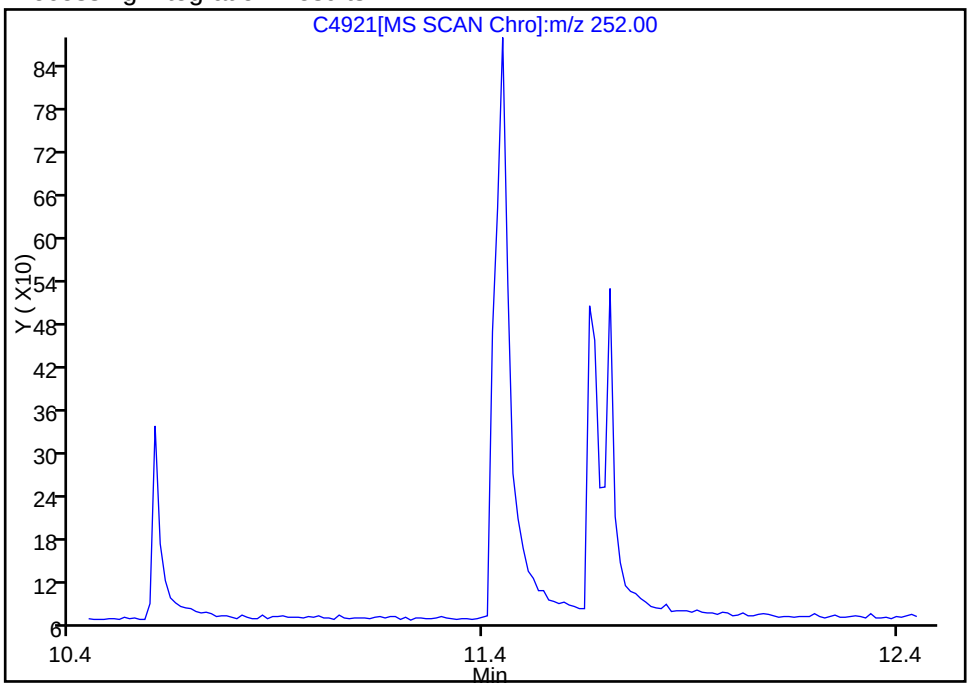
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4921.D		
Injection Date:	19-Aug-2011 10:22:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

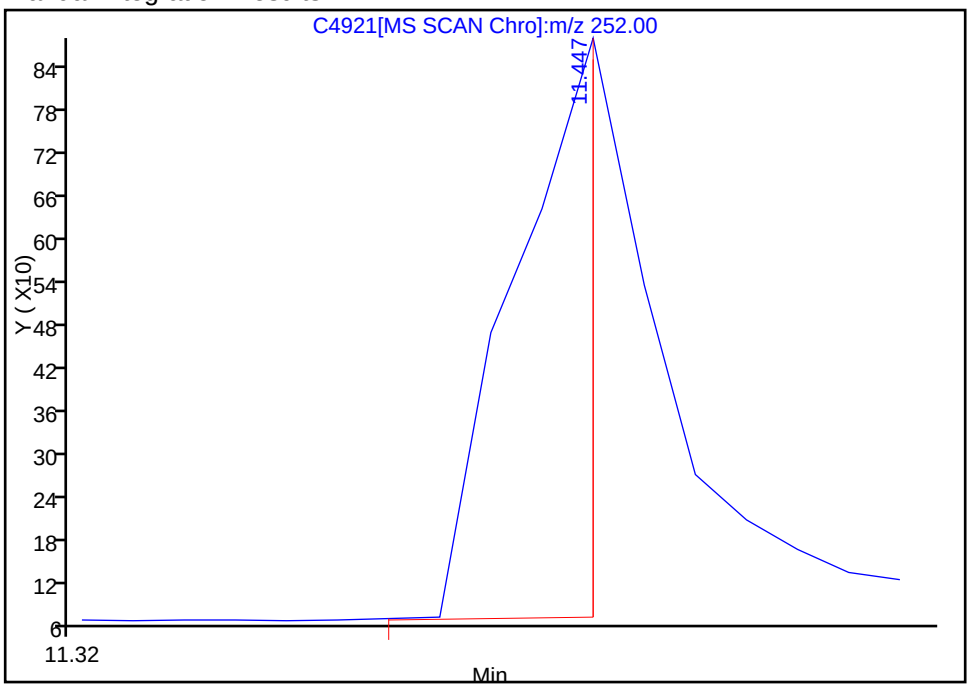
Not Detected
Expected RT: 11.45

Processing Integration Results



Manual Integration Results

RT: 11.45
Response: 1319
Amount: 0.500802



Reviewer: squiresb, 19-Aug-2011 13:54:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Lims ID:	ic 001	Client ID:	
Inject. Date:	19-Aug-2011 10:43:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	SSTD 001		
Misc. Info.:	510-0005411-003 =510-0005411-003		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85359	Lims Sample ID:	3
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:30	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 11:07:47

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.538	2.538	0.000	1	96664	40.0	70.0- 130.0	100.0	
115	2.527	2.538	-0.011		53502		25.1- 85.1	55.3	
$ 49 Nitrobenzene-d5									
82	3.193	3.193	0.000	1	2641	0.9438	70.0- 130.0	100.0	
128	3.193	3.193	0.000		1424		24.4- 84.4	53.9	
54	3.193	3.193	0.000		1248		18.1- 78.1	47.3	
* 57 Naphthalene-d8									
136	4.021	4.021	0.000	1	204824	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.043	4.043	0.000	0	6626	0.9795	70.0- 130.0	100.0	
129	4.043	4.043	0.000		702		0.0- 41.1	10.6	
127	4.043	4.043	0.000		817		0.0- 42.4	12.3	
62 2-Methylnaphthalene									
142	4.892	4.892	0.000	1	3846	0.9625	70.0- 130.0	100.0	
141	4.892	4.892	0.000		3077		51.2- 111.2	80.0	
115	4.892	4.892	0.000		1521		9.6- 69.6	39.5	
$ 66 2-Fluorobiphenyl									
172	5.376	5.376	0.000	1	4248	0.9688			
71 Acenaphthylene									
152	5.932	5.932	0.000	1	5615	1.01	70.0- 130.0	100.0	
151	5.932	5.932	0.000		1058		0.0- 49.5	18.8	
* 73 Acenaphthene-d10									
164	6.106	6.106	0.000	1	90799	40.0	70.0- 130.0	100.0	
162	6.106	6.106	0.000		80900		60.5- 120.5	89.1	

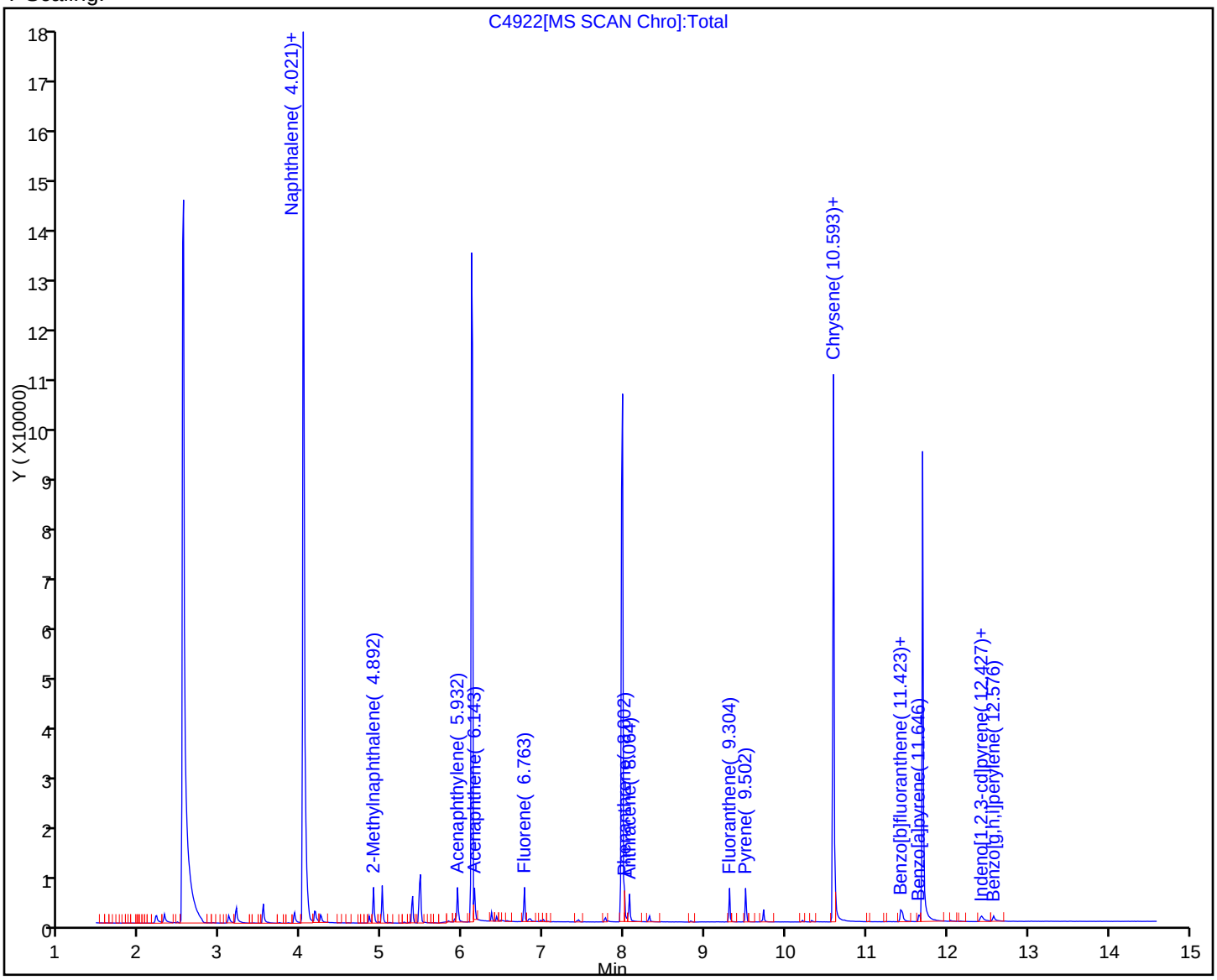
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.143	0.000	0	3139	1.01	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									
166	6.763	6.763	0.000	5	3218	0.9520	70.0- 130.0	100.0	
165	6.763	6.763	0.000		2948		58.7- 118.7	91.6	
* 90 Phenanthrene-d10									M
188	7.978	7.978	0.000	1	132890	40.0	70.0- 130.0	100.0	M
91 Phenanthrene									
178	8.002	8.002	0.000	1	4353	0.9356	70.0- 130.0	100.0	
179	8.002	8.002	0.000		838		0.0- 45.5	19.3	
92 Anthracene									
178	8.064	8.064	0.000	1	4188	0.8893	70.0- 130.0	100.0	
179	8.064	8.064	0.000		610		0.0- 44.6	14.6	
95 Fluoranthene									
202	9.304	9.304	0.000	2	4201	0.9218	70.0- 130.0	100.0	
101	9.291	9.304	-0.013		576		0.0- 43.7	13.7	
203	9.304	9.304	0.000		707		0.0- 47.7	16.8	
97 Pyrene									
202	9.502	9.502	0.000	20	4406	0.9187	70.0- 130.0	100.0	
101	9.502	9.502	0.000		735		0.0- 47.5	16.7	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	1738	0.9223	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.580	10.580	0.000	1	3369	0.8662	70.0- 130.0	100.0	
229	10.580	10.580	0.000		1358		0.0- 57.4	40.3	
226	10.580	10.580	0.000		883		0.0- 56.2	26.2	
* 103 Chrysene-d12									M
240	10.593	10.593	0.000	1	96162	40.0	70.0- 130.0	100.0	M
104 Chrysene									M
228	10.605	10.605	0.000	1	4478	0.9859	70.0- 130.0	100.0	M
226	10.580	10.605	-0.025		883		0.0- 54.2	19.7	
229	10.580	10.605	-0.025		1358		0.0- 42.1	30.3	
106 Benzo[b]fluoranthene									M
252	11.423	11.423	0.000	1	2921	0.9523	70.0- 130.0	100.0	M
253	11.423	11.423	0.000		1160		15.4- 75.4	39.7	
107 Benzo[k]fluoranthene									M
252	11.436	11.436	0.000	1	3345	0.7884	70.0- 130.0	100.0	M
253	11.423	11.436	-0.013		1160		1.9- 61.9	34.7	
108 Benzo[a]pyrene									M
252	11.646	11.646	0.000	1	1665	0.5974	70.0- 130.0	100.0	M
253	11.423	11.646	-0.223		1160		0.0- 55.1	69.7	
* 109 Perylene-d12									
264	11.696	11.696	0.000	1	80427	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.415	12.415	0.000	1	1711	1.28	70.0- 130.0	100.0	
138	12.402	12.415	-0.013		532		5.1- 65.1	31.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.427	12.427	0.000	0	1612	0.8931	70.0- 130.0	100.0	M
139	0.0	12.427	-12.427		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.576	12.576	0.000	1	2337	0.9172	70.0- 130.0	100.0	M
138	12.402	12.576	-0.174		532		0.0- 54.9	22.8	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D
Injection Date: 19-Aug-2011 10:43:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 3
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

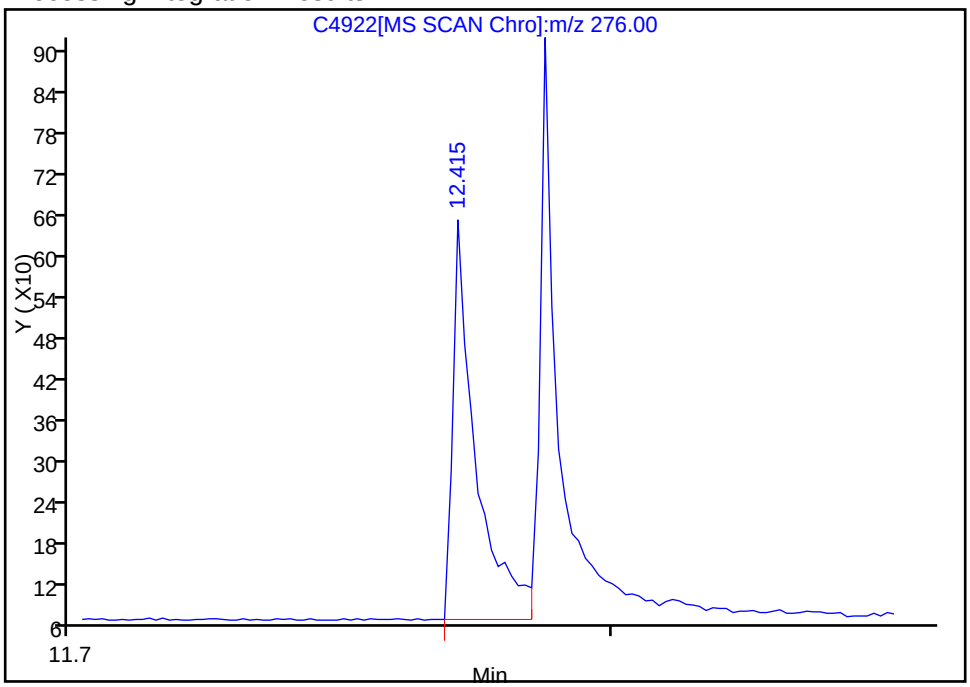
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.58

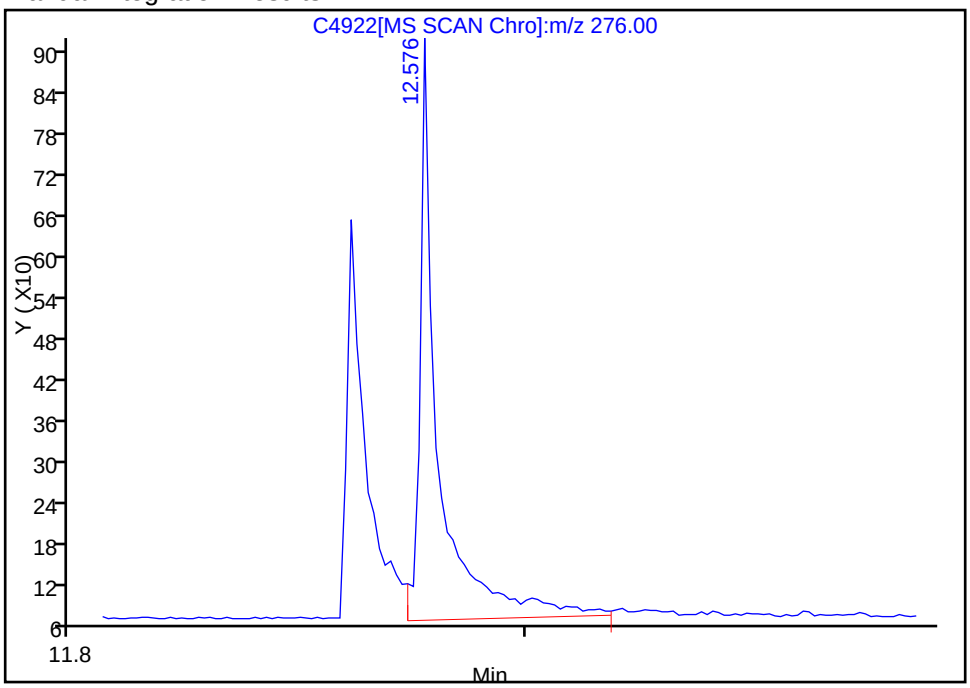
Processing Integration Results

RT: 12.41
Response: 1711
Amount: 1.000000



Manual Integration Results

RT: 12.58
Response: 2337
Amount: 0.917190



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

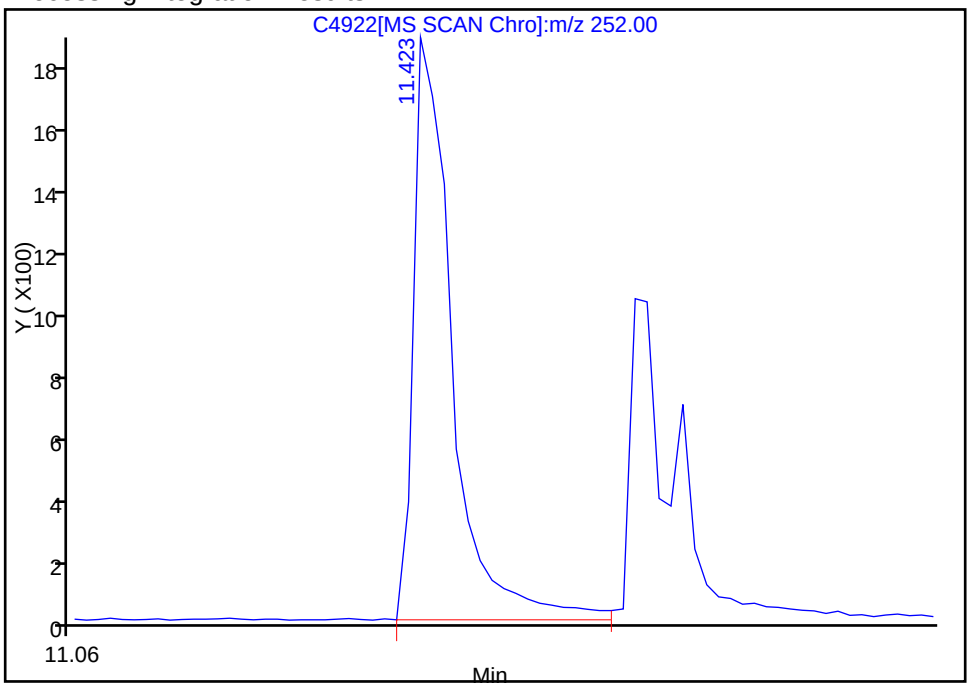
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.42

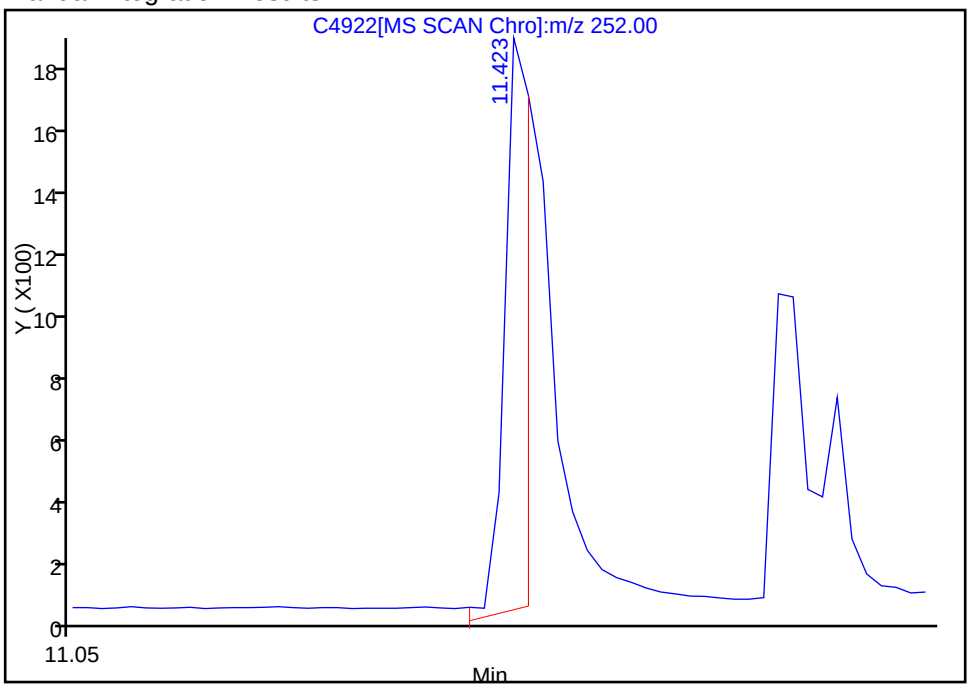
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.000000



Manual Integration Results

RT: 11.42
Response: 2921
Amount: 0.952281



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

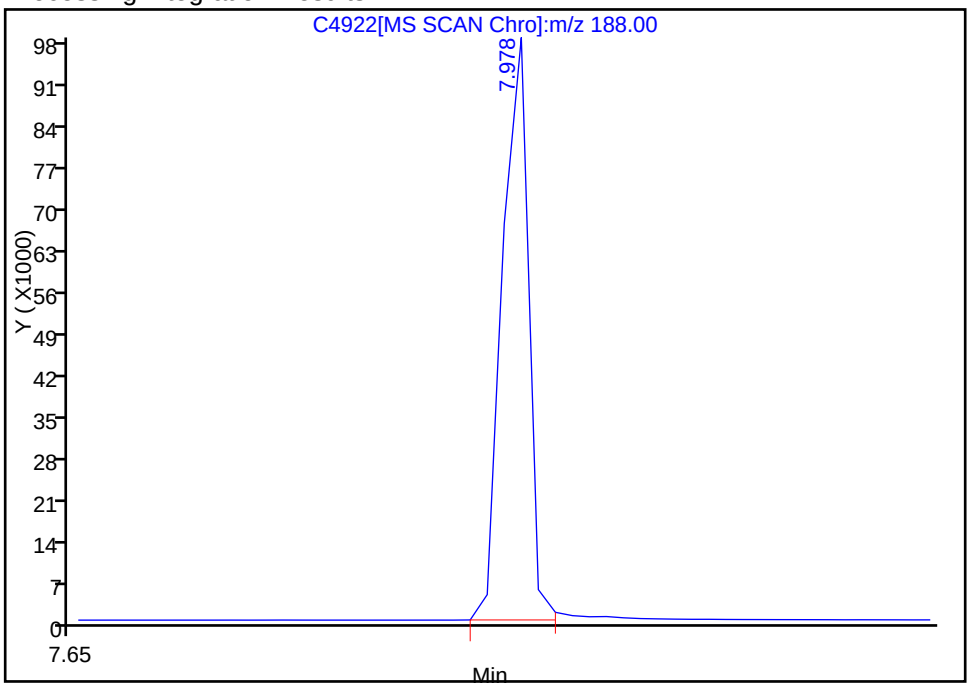
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

* 90 Phenanthrene-d10, Signal: 1, m/z: 188.0 Type: quant, RT: 7.98

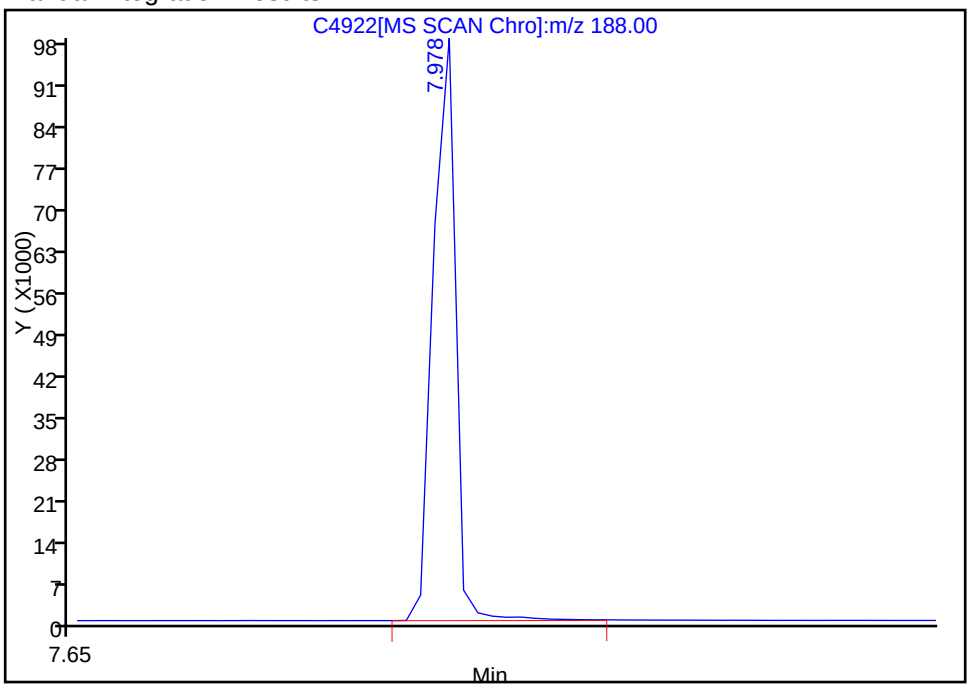
Processing Integration Results

RT: 7.98
Response: 130442
Amount: 40.000000



Manual Integration Results

RT: 7.98
Response: 132890
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

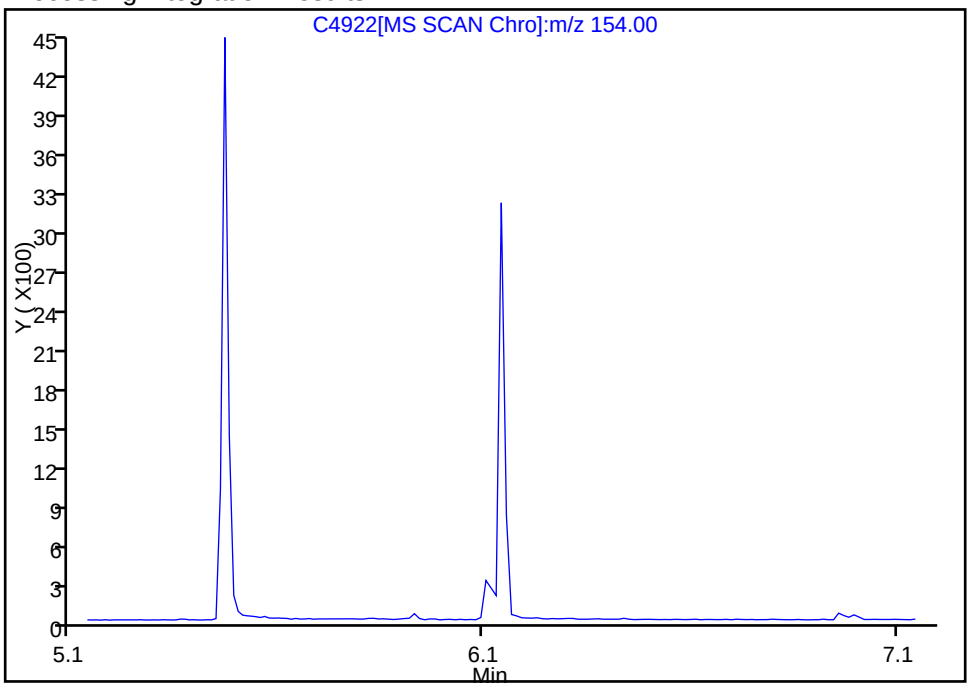
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

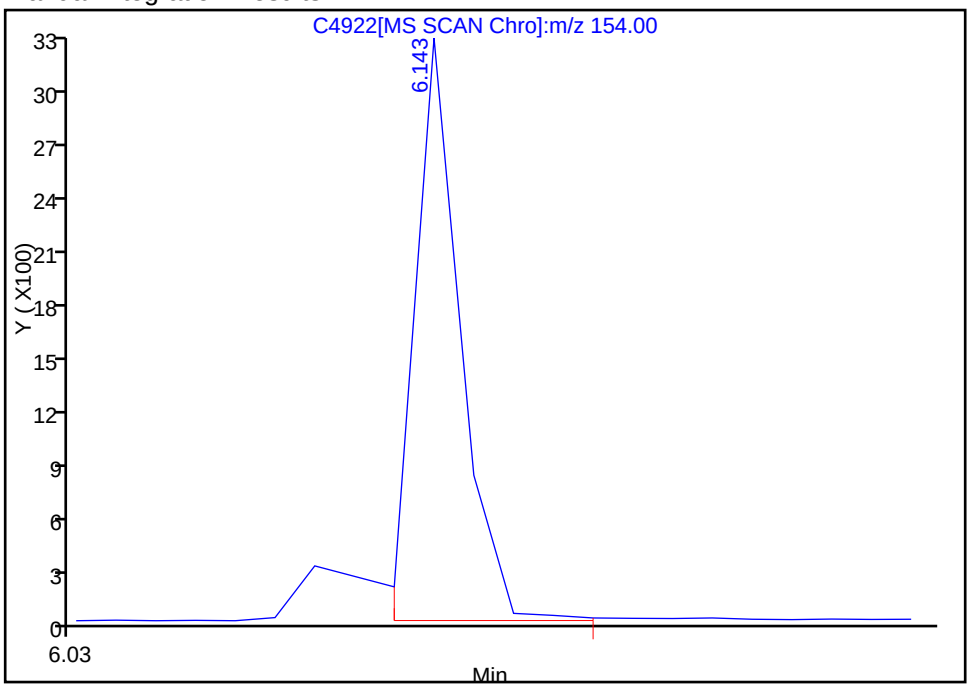
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 3139
Amount: 1.011101



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

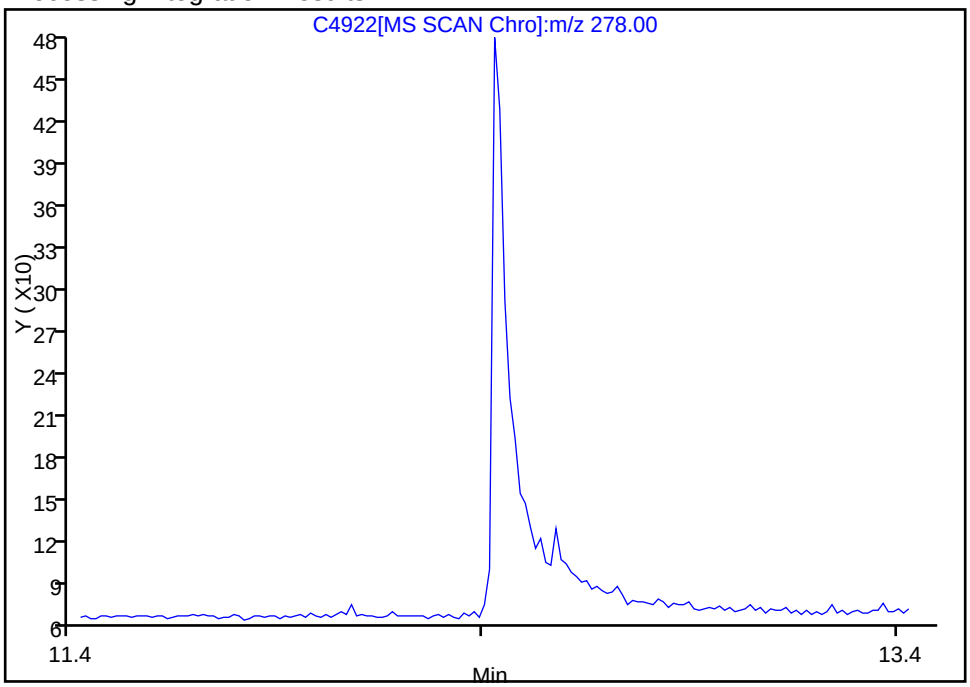
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.43

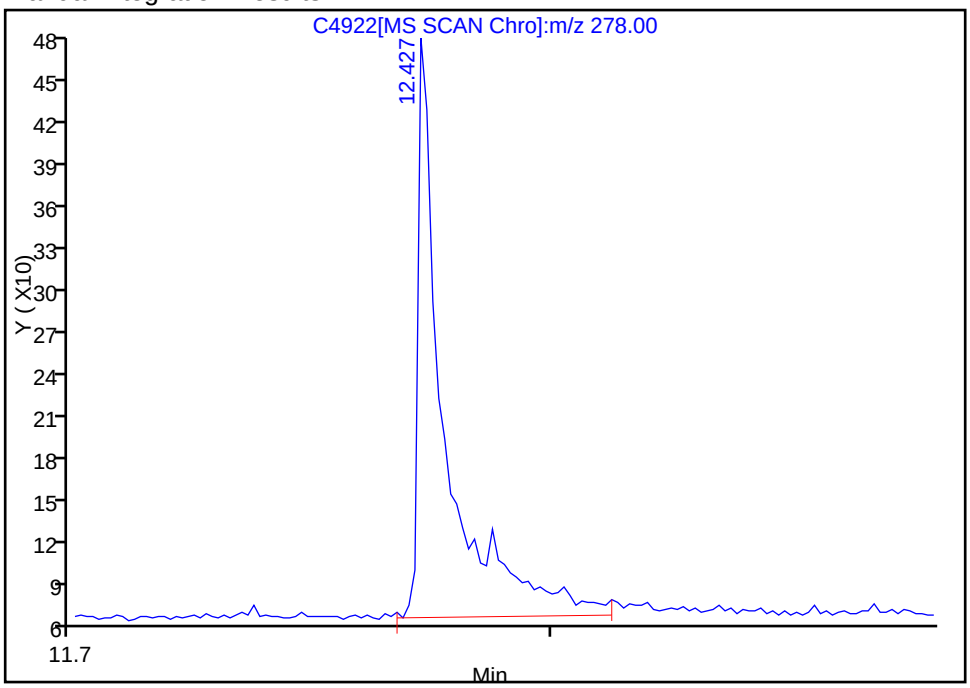
Processing Integration Results

Not Detected
Expected RT: 12.43



Manual Integration Results

RT: 12.43
Response: 1612
Amount: 0.893102



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

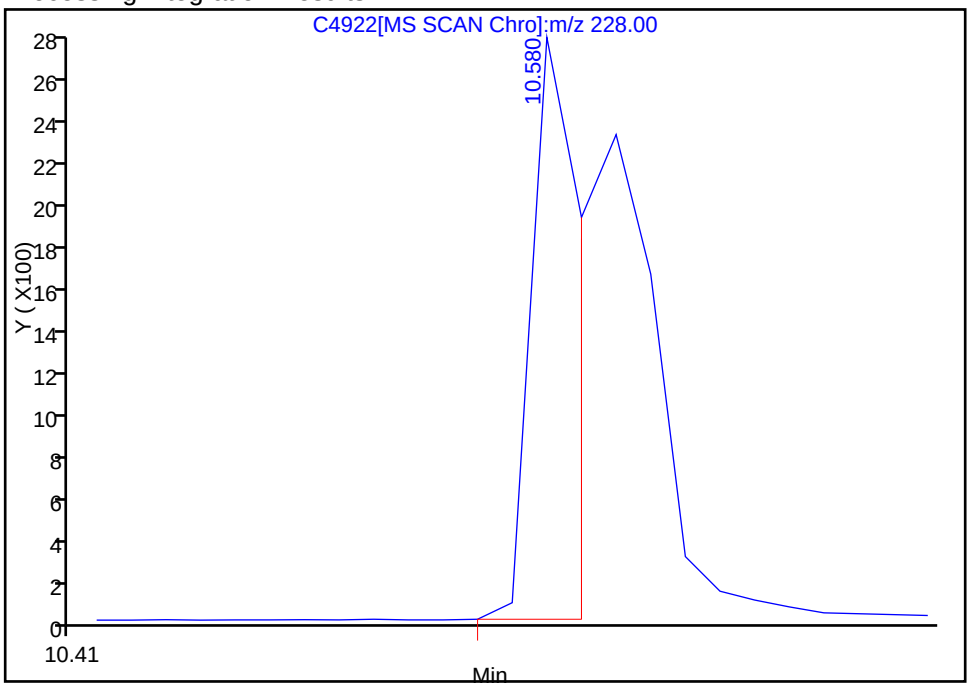
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.61

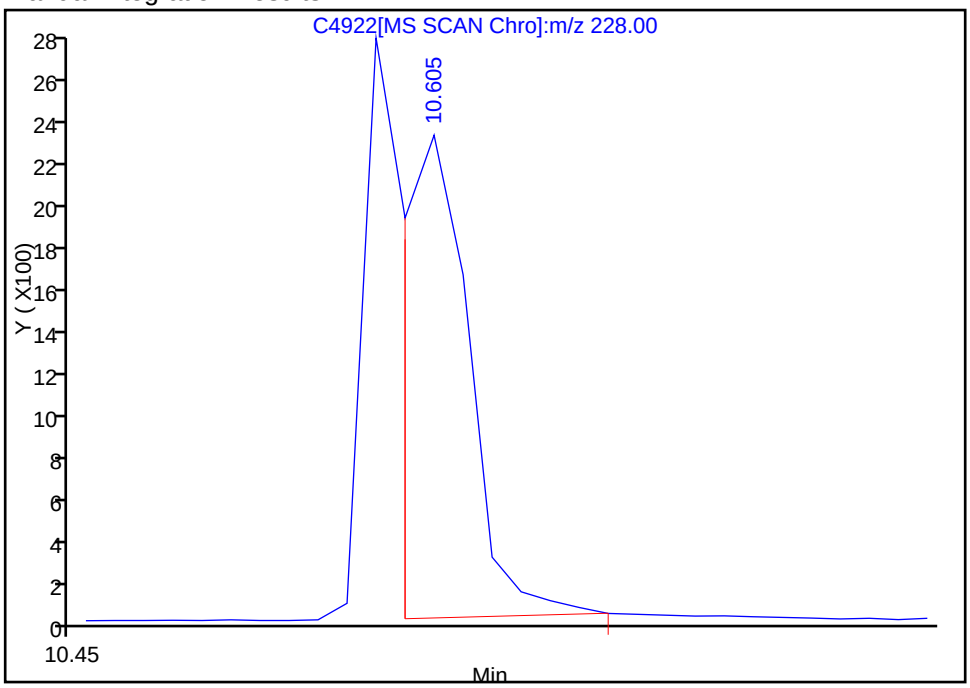
Processing Integration Results

RT: 10.58
Response: 3369
Amount: 0.958608



Manual Integration Results

RT: 10.61
Response: 4478
Amount: 0.985857



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

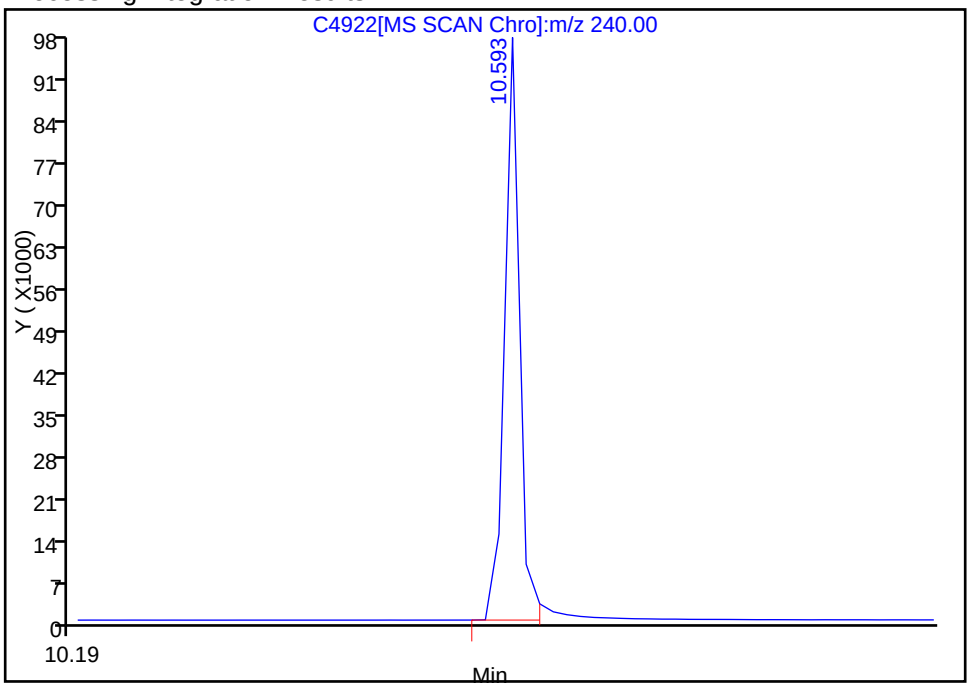
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 10.59

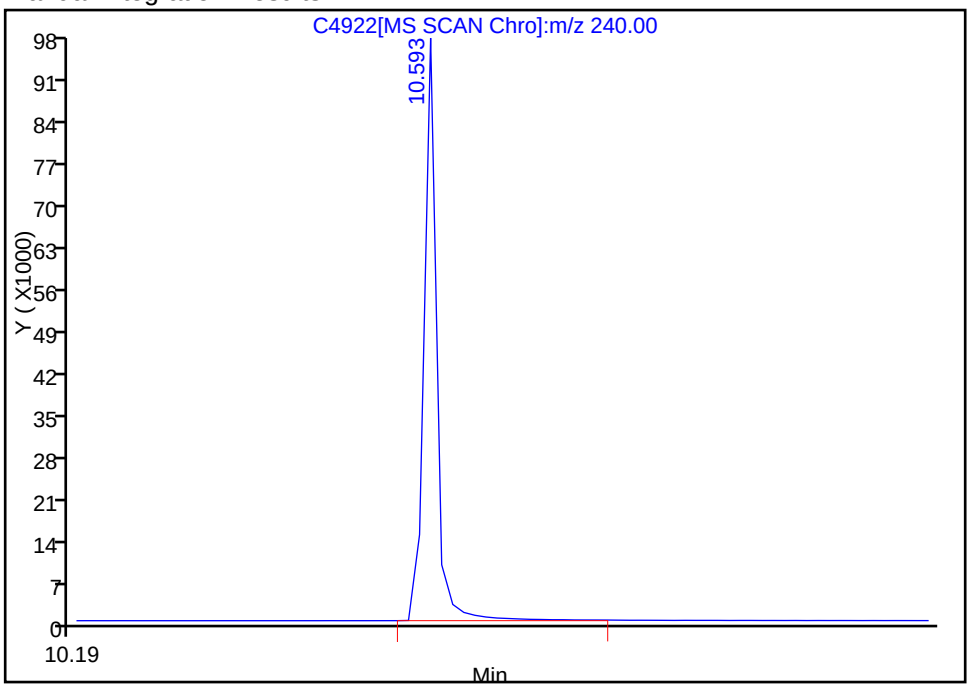
Processing Integration Results

RT: 10.59
Response: 92335
Amount: 40.000000



Manual Integration Results

RT: 10.59
Response: 96162
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

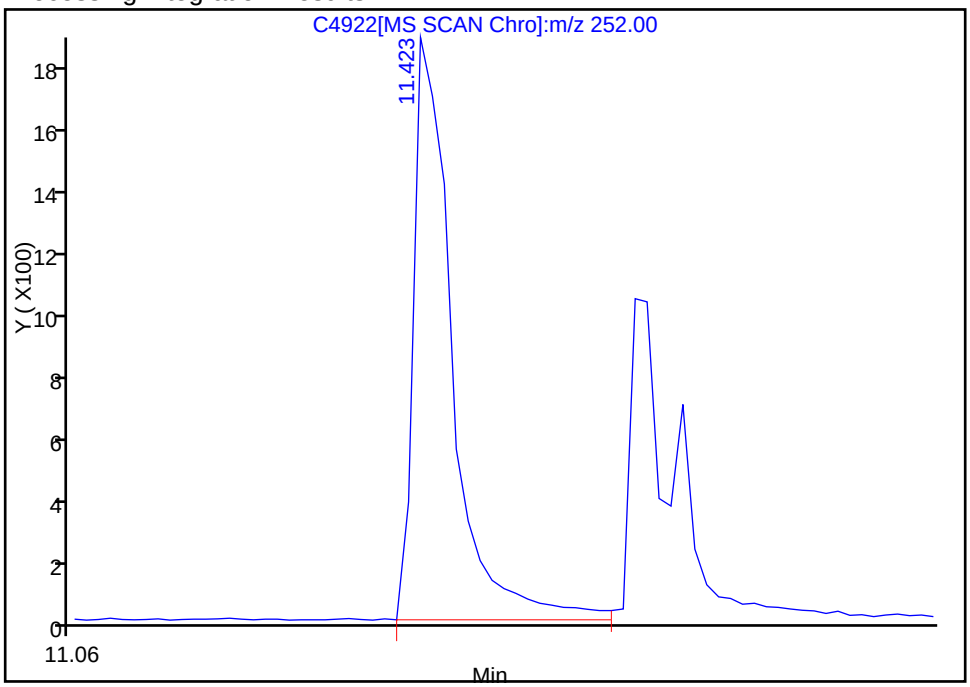
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.44

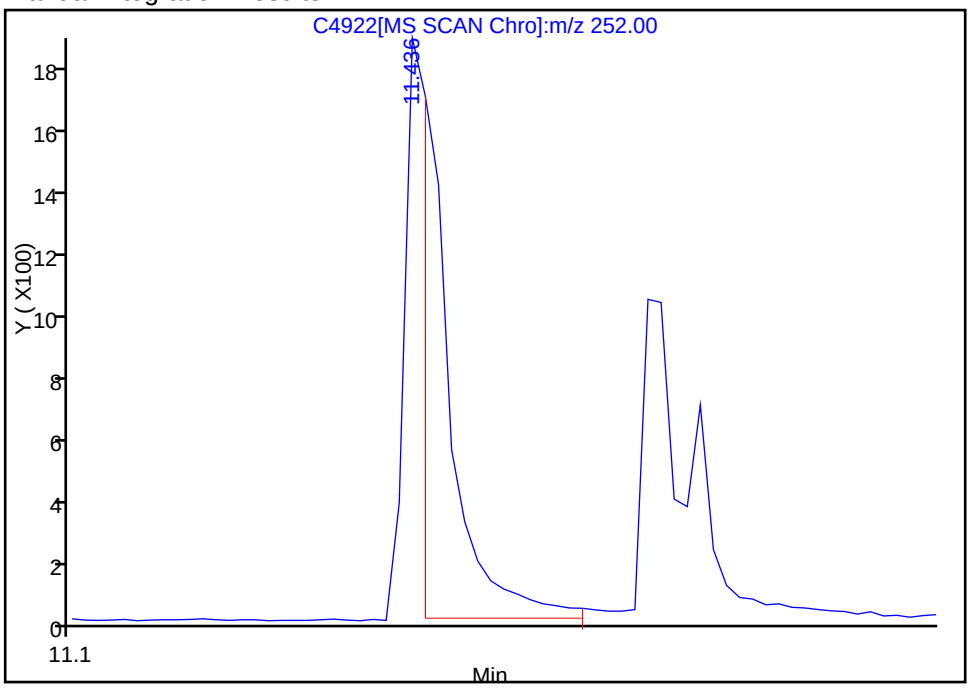
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.064980



Manual Integration Results

RT: 11.44
Response: 3345
Amount: 0.788379



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

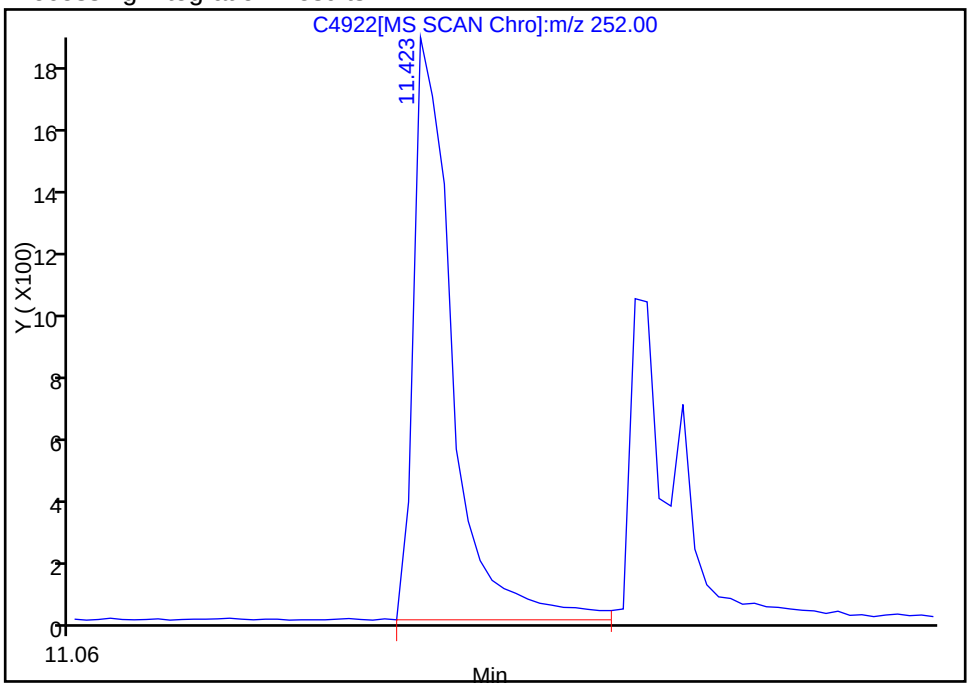
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4922.D		
Injection Date:	19-Aug-2011 10:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.65

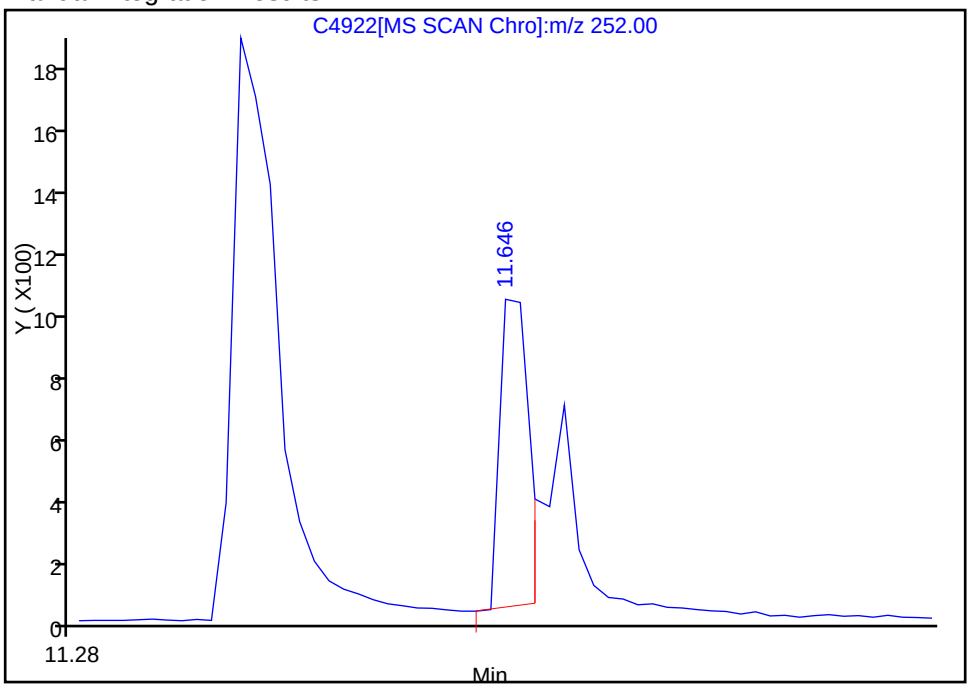
Processing Integration Results

RT: 11.42
Response: 5115
Amount: 1.000000



Manual Integration Results

RT: 11.65
Response: 1665
Amount: 0.597409



Reviewer: squiresb, 19-Aug-2011 11:07:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Lims ID:	ic 002	Client ID:	
Inject. Date:	19-Aug-2011 11:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	SSTD 002		
Misc. Info.:	510-0005411-004 =510-0005411-004		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	85359	Lims Sample ID:	4
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:32	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 11:25:25

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.534	2.534	0.000	37	77269	40.0	70.0- 130.0	100.0	
115	2.534	2.534	0.000		42573		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	4095	2.01	70.0- 130.0	100.0	
128	3.189	3.189	0.000		2161		24.4- 84.4	52.8	
54	3.189	3.189	0.000		2062		18.1- 78.1	50.4	
* 57 Naphthalene-d8									
136	4.017	4.028	-0.011	1	149363	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.050	4.050	0.000	0	10329	2.09	70.0- 130.0	100.0	
129	4.050	4.050	0.000		1105		0.0- 41.1	10.7	
127	4.050	4.050	0.000		1249		0.0- 42.4	12.1	
62 2-Methylnaphthalene									
142	4.888	4.888	0.000	1	5775	1.98	70.0- 130.0	100.0	
141	4.888	4.888	0.000		4557		51.2- 111.2	78.9	
115	4.888	4.888	0.000		2286		9.6- 69.6	39.6	
$ 66 2-Fluorobiphenyl									
172	5.372	5.372	0.000	1	6223	2.11			
71 Acenaphthylene									
152	5.933	5.931	0.002	1	8371	2.23	70.0- 130.0	100.0	
151	5.933	5.931	0.002		1672		0.0- 49.5	20.0	
* 73 Acenaphthene-d10									
164	6.106	6.117	-0.011	1	61183	40.0	70.0- 130.0	100.0	
162	6.106	6.117	-0.011		55479		60.5- 120.5	90.7	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.142	0.001	0	4564	2.18	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.763	6.762	0.001	5	4694	2.06	70.0- 130.0	100.0	
165	6.763	6.762	0.001		4261		58.7- 118.7	90.8	
* 90 Phenanthrene-d10									
188	7.965	7.976	-0.011	1	82215	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.990	8.001	-0.011	1	6002	2.09	70.0- 130.0	100.0	
179	7.990	8.001	-0.011		970		0.0- 45.5	16.2	
92 Anthracene									
178	8.065	8.063	0.002	1	6087	2.09	70.0- 130.0	100.0	
179	8.065	8.063	0.002		900		0.0- 44.6	14.8	
95 Fluoranthene									
202	9.304	9.302	0.002	1	6122	2.17	70.0- 130.0	100.0	
101	9.292	9.302	-0.010		849		0.0- 43.7	13.9	
203	9.304	9.302	0.002		1034		0.0- 47.7	16.9	
97 Pyrene									
202	9.502	9.513	-0.011	20	6553	2.12	70.0- 130.0	100.0	
101	9.502	9.513	-0.011		1070		0.0- 47.5	16.3	
$ 98 Terphenyl-d14									
244	9.725	9.724	0.001	1	2539	2.09	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.581	10.591	-0.010	1	5140	2.05	70.0- 130.0	100.0	
229	10.581	10.591	-0.010		995		0.0- 57.4	19.4	
226	10.581	10.591	-0.010		1356		0.0- 56.2	26.4	
* 103 Chrysene-d12									
240	10.593	10.591	0.002	1	62017	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.605	10.616	-0.011	1	6266	2.14	70.0- 130.0	100.0	M
226	10.581	10.616	-0.035		1356		0.0- 54.2	21.6	
229	10.581	10.616	-0.035		995		0.0- 42.1	15.9	
106 Benzo[b]fluoranthene									M
252	11.423	11.447	-0.024	1	4287	2.09	70.0- 130.0	100.0	M
253	11.448	11.447	0.001		1837		15.4- 75.4	42.9	
107 Benzo[k]fluoranthene									M
252	11.448	11.447	0.001	1	5755	2.03	70.0- 130.0	100.0	M
253	11.448	11.447	0.001		1837		1.9- 61.9	31.9	
108 Benzo[a]pyrene									
252	11.659	11.657	0.002	1	3096	1.66	70.0- 130.0	100.0	
253	11.659	11.657	0.002		664		0.0- 55.1	21.4	
* 109 Perylene-d12									
264	11.696	11.707	-0.011	1	53677	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.427	12.438	-0.011	1	2713	2.11	70.0- 130.0	100.0	
138	12.415	12.438	-0.023		949		5.1- 65.1	35.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
111 Dibenz(a,h)anthracene									M
278	12.452	12.463	-0.011	0	2581	1.86	70.0- 130.0	100.0	M
139	0.0	12.463	-12.463		0		0.0- 48.5		
24 Benzo[g,h,i]perylene									M
276	12.588	12.599	-0.011	1	3194	1.88	70.0- 130.0	100.0	M
138	12.576	12.599	-0.023		716		0.0- 54.9	22.4	

QC Flag Legend

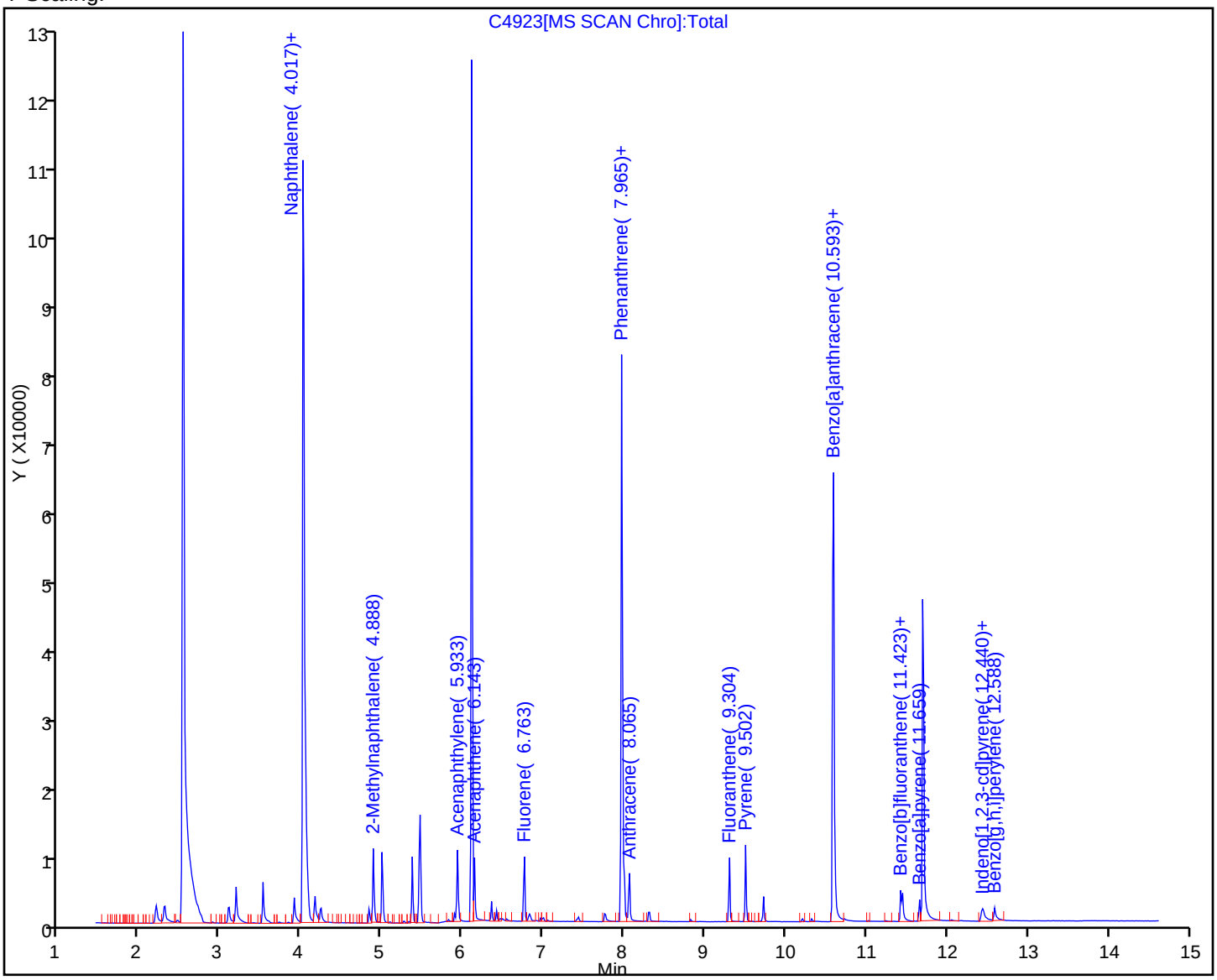
Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D

Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

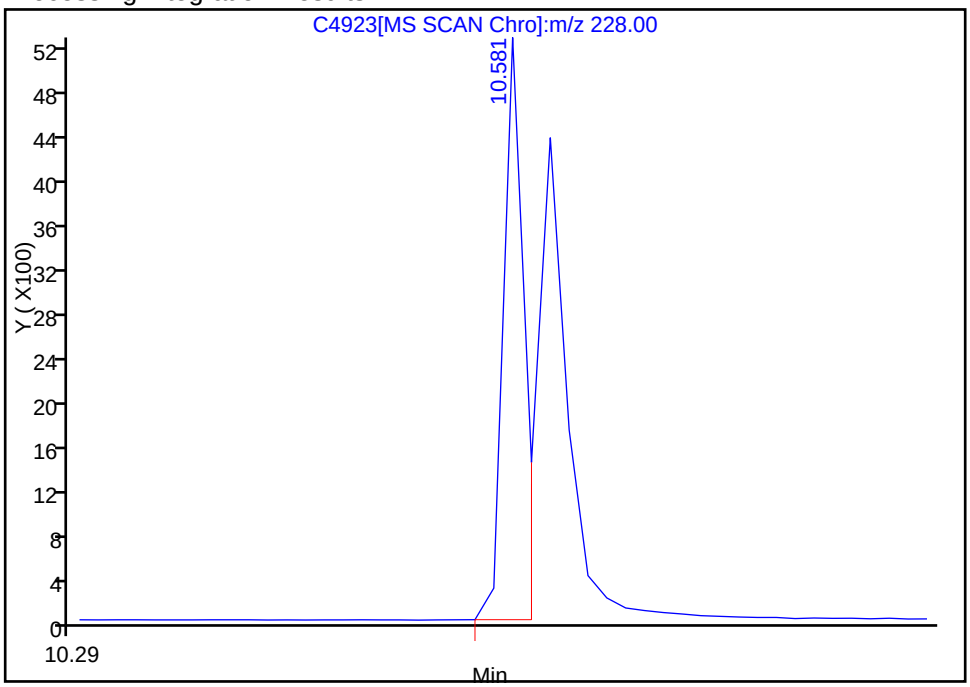
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

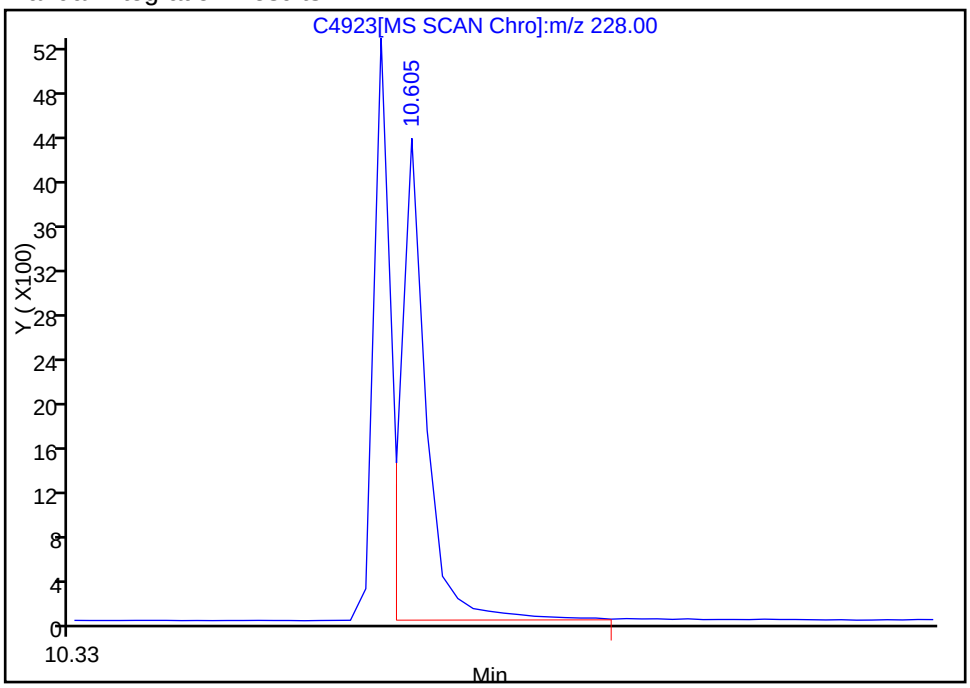
Processing Integration Results

RT: 10.58
Response: 5140
Amount: 1.972286



Manual Integration Results

RT: 10.61
Response: 6266
Amount: 2.139011



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

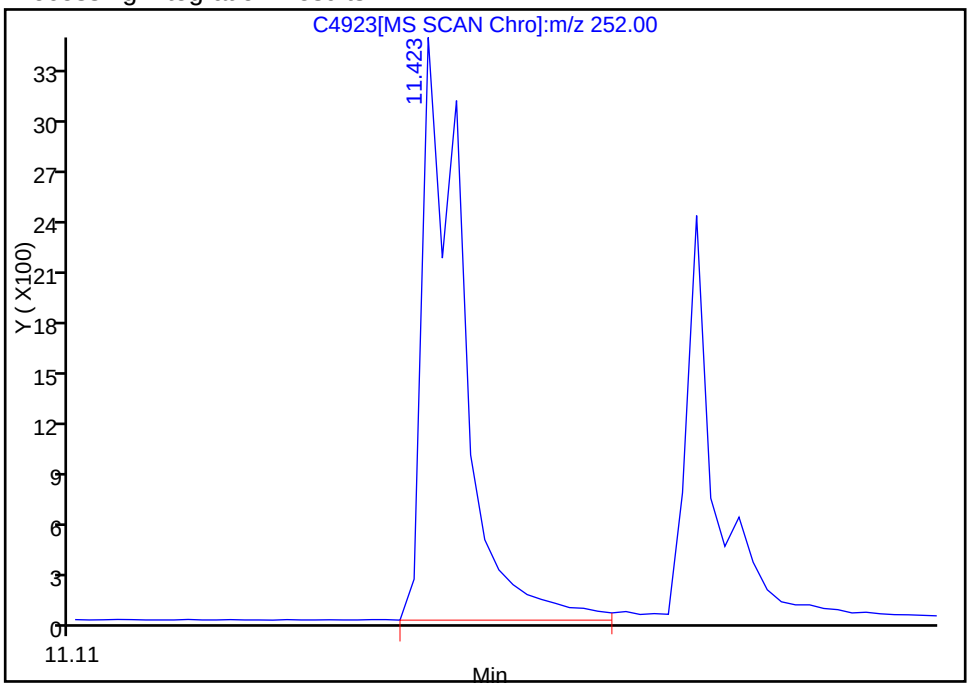
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

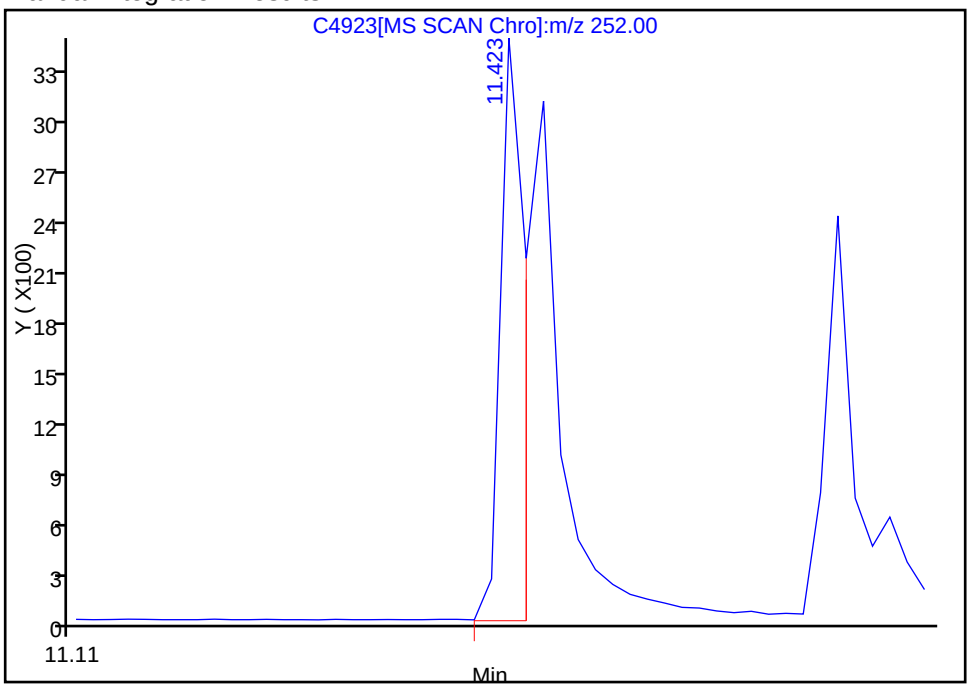
Processing Integration Results

RT: 11.42
Response: 8410
Amount: 2.000000



Manual Integration Results

RT: 11.42
Response: 4287
Amount: 2.094116



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Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

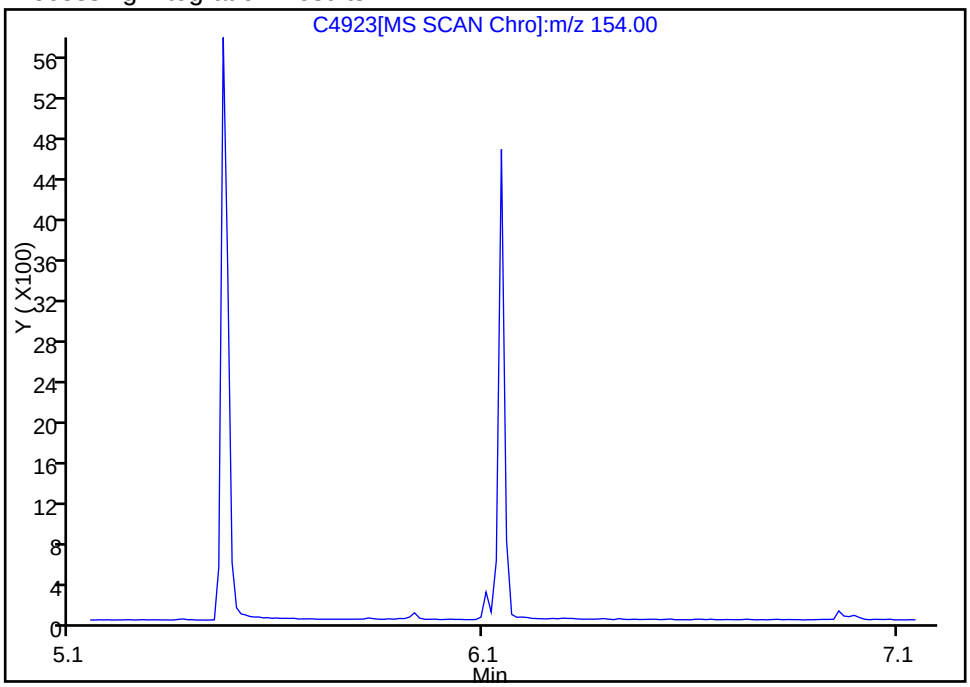
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

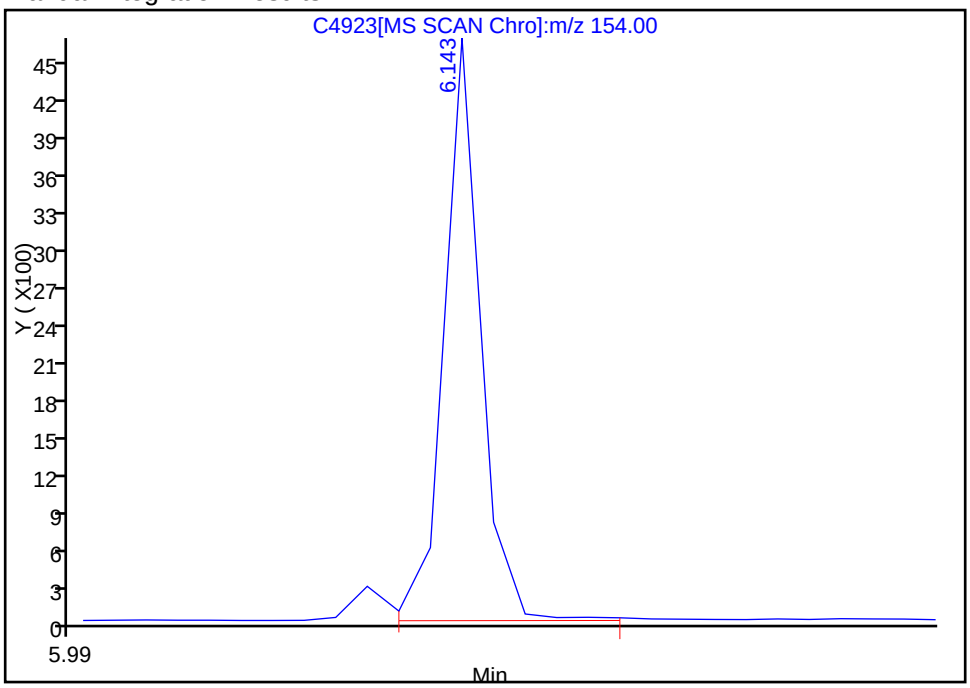
Not Detected
Expected RT: 6.14

Processing Integration Results



Manual Integration Results

RT: 6.14
Response: 4564
Amount: 2.181721



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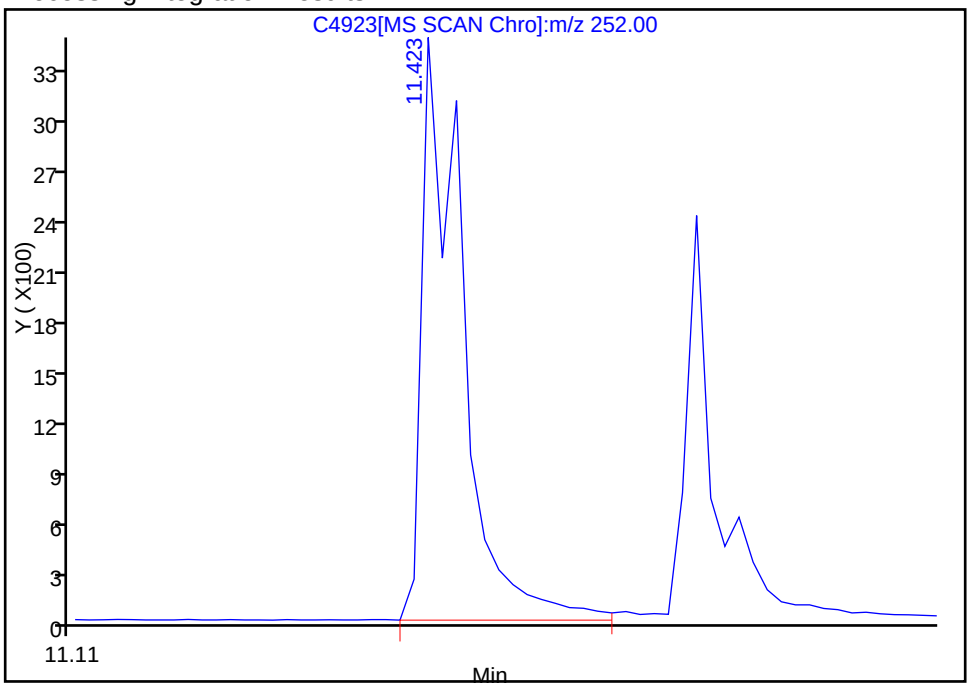
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

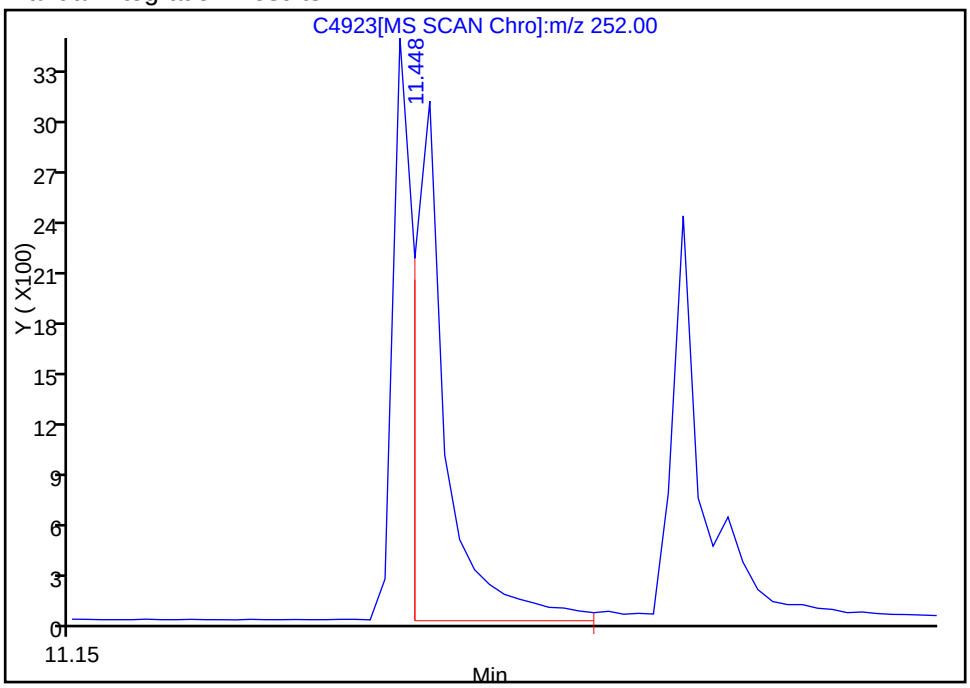
Processing Integration Results

RT: 11.42
Response: 8410
Amount: 2.000000



Manual Integration Results

RT: 11.45
Response: 5755
Amount: 2.032346



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Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

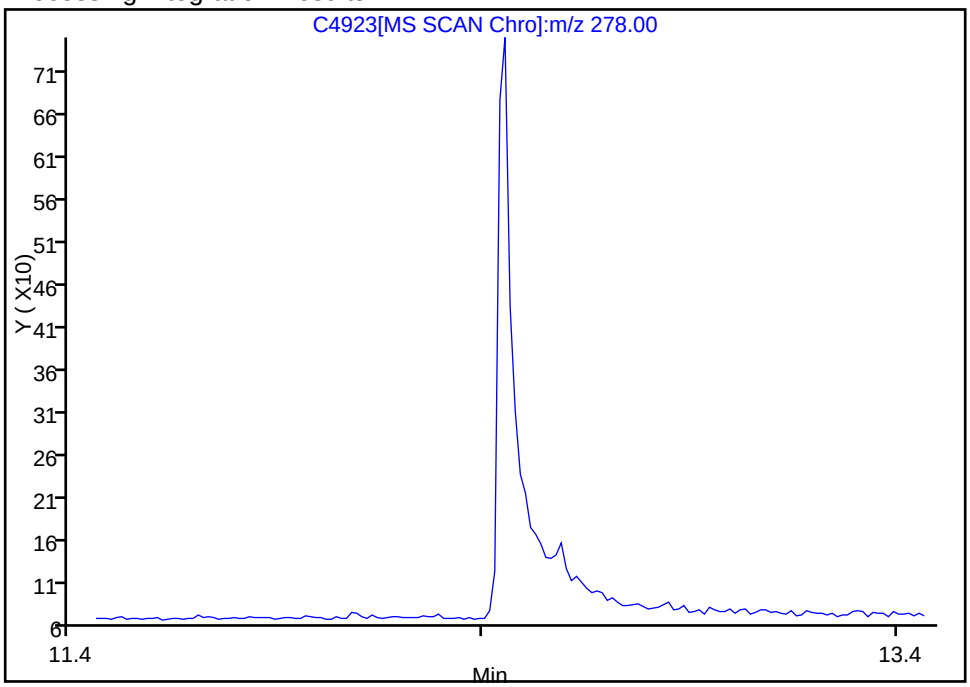
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.46

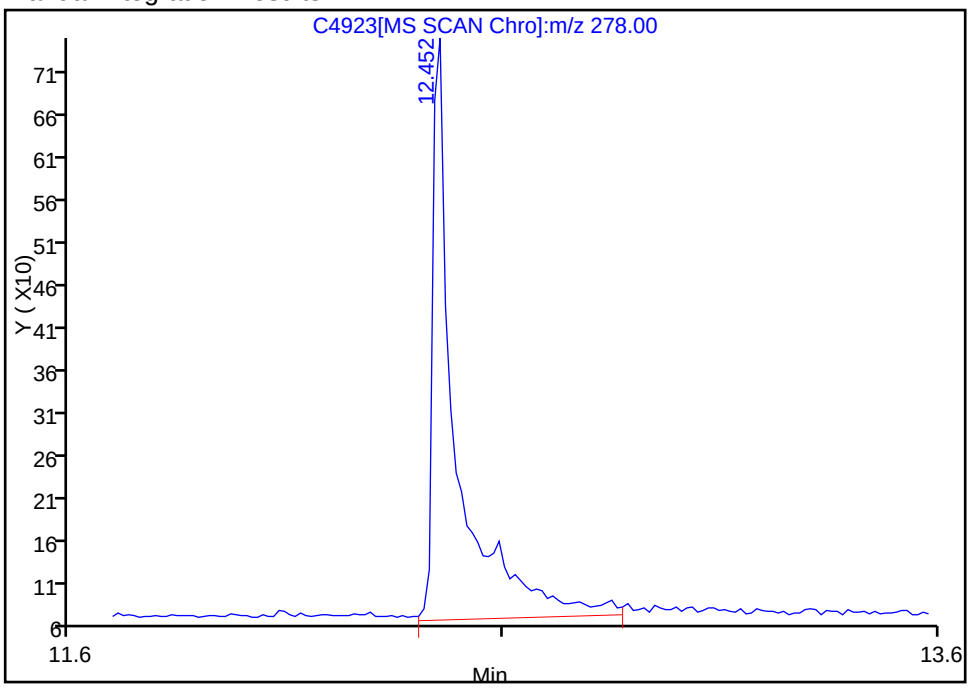
Processing Integration Results

Not Detected
Expected RT: 12.46



Manual Integration Results

RT: 12.45
Response: 2581
Amount: 1.862135



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

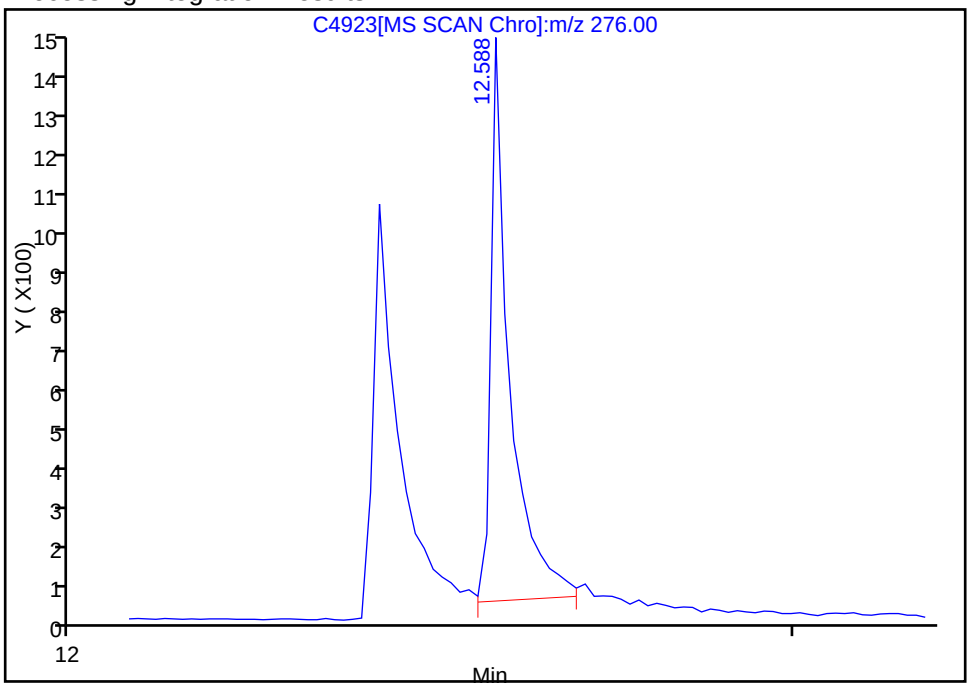
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4923.D		
Injection Date:	19-Aug-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.60

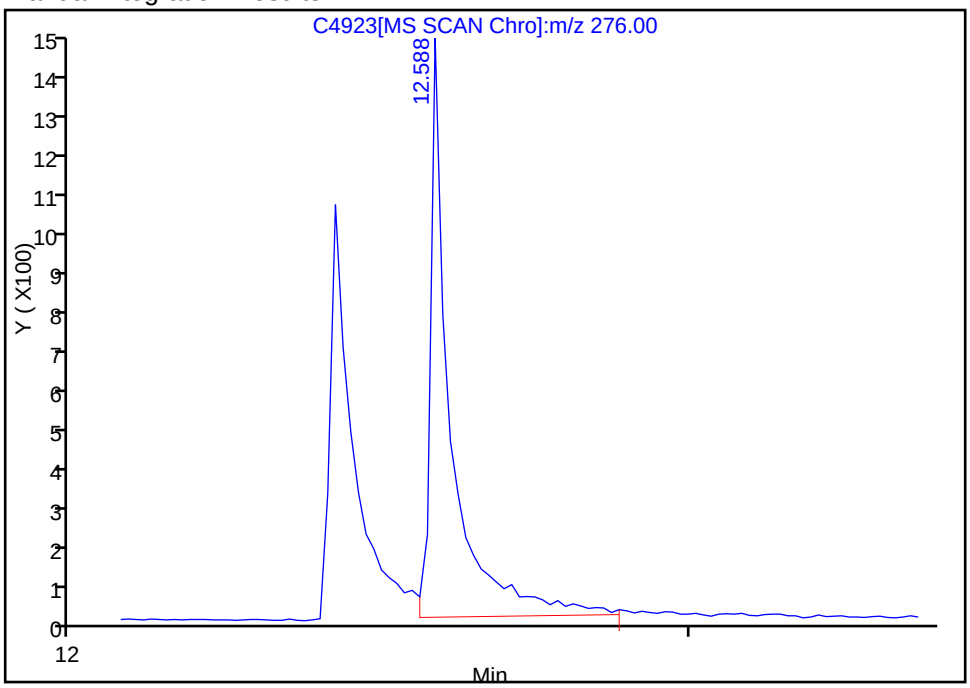
Processing Integration Results

RT: 12.59
Response: 2484
Amount: 1.662007



Manual Integration Results

RT: 12.59
Response: 3194
Amount: 1.878231



Reviewer: squiresb, 19-Aug-2011 11:25:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Lims ID:	ic 005	Client ID:	
Inject. Date:	19-Aug-2011 11:26:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	SSTD 005		
Misc. Info.:	510-0005411-005 =510-0005411-005		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	85359	Lims Sample ID:	5
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:35	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 12:08:22

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.533	0.000	1	106823	40.0	70.0- 130.0	100.0	
115	2.533	2.533	0.000		58613		24.9- 84.9	54.9	
$ 49 Nitrobenzene-d5									
82	3.189	3.189	0.000	1	15746	5.15	70.0- 130.0	100.0	
128	3.189	3.189	0.000		8483		23.9- 83.9	53.9	
54	3.189	3.189	0.000		7605		18.3- 78.3	48.3	
* 57 Naphthalene-d8									
136	4.027	4.027	0.000	1	223903	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.049	4.049	0.000	0	37665	5.09	70.0- 130.0	100.0	
129	4.049	4.049	0.000		4023		0.0- 40.7	10.7	
127	4.049	4.049	0.000		4679		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.887	4.887	0.000	1	22968	5.26	70.0- 130.0	100.0	
141	4.887	4.887	0.000		18599		51.0- 111.0	81.0	
115	4.887	4.887	0.000		8881		8.7- 68.7	38.7	
$ 66 2-Fluorobiphenyl									
172	5.371	5.371	0.000	1	26052	5.40			
71 Acenaphthylene									
152	5.931	5.931	0.000	1	33312	5.43	70.0- 130.0	100.0	
151	5.931	5.931	0.000		6339		0.0- 49.0	19.0	
* 73 Acenaphthene-d10									
164	6.105	6.105	0.000	1	99929	40.0	70.0- 130.0	100.0	
162	6.105	6.105	0.000		90146		60.2- 120.2	90.2	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.142	0.000	0	17862	5.23	70.0- 130.0	100.0	M
152	0.0	6.142	-6.142		0		25.6- 85.6		
153	0.0	6.142	-6.142		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.762	0.000	6	19508	5.24	70.0- 130.0	100.0	
165	6.762	6.762	0.000		17426		59.3- 119.3	89.3	
* 90 Phenanthrene-d10									
188	7.976	7.976	0.000	1	124460	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.001	0.000	1	21903	5.03	70.0- 130.0	100.0	
179	8.001	8.001	0.000		3378		0.0- 45.4	15.4	
92 Anthracene									
178	8.063	8.063	0.000	1	21896	4.96	70.0- 130.0	100.0	
179	8.063	8.063	0.000		3312		0.0- 45.1	15.1	
95 Fluoranthene									
202	9.302	9.302	0.000	2	20061	4.70	70.0- 130.0	100.0	
101	9.290	9.302	-0.012		2801		0.0- 44.0	14.0	
203	9.302	9.302	0.000		3438		0.0- 47.1	17.1	
97 Pyrene									
202	9.501	9.501	0.000	20	20295	5.16	70.0- 130.0	100.0	
101	9.501	9.501	0.000		3494		0.0- 47.2	17.2	
$ 98 Terphenyl-d14									
244	9.724	9.724	0.000	1	7998	5.18	70.0- 130.0	100.0	
122	9.711	9.724	-0.013		1544		0.0- 49.3	19.3	
101 Benzo[a]anthracene									
228	10.579	10.579	0.000	1	14275	4.48	70.0- 130.0	100.0	
229	10.579	10.579	0.000		2818		0.0- 49.7	19.7	
226	10.579	10.579	0.000		3741		0.0- 56.2	26.2	
* 103 Chrysene-d12									
240	10.591	10.591	0.000	1	78784	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.604	10.604	0.000	1	19393	5.21	70.0- 130.0	100.0	M
226	10.579	10.604	-0.025		3741		0.0- 49.3	19.3	
229	10.579	10.604	-0.025		2818		0.0- 44.5	14.5	
106 Benzo[b]fluoranthene									M
252	11.422	11.422	0.000	1	13583	4.78	70.0- 130.0	100.0	M
253	11.447	11.422	0.025		5873		13.2- 73.2	43.2	
107 Benzo[k]fluoranthene									M
252	11.447	11.447	0.000	1	18694	4.76	70.0- 130.0	100.0	M
253	11.447	11.447	0.000		5873		1.4- 61.4	31.4	
108 Benzo[a]pyrene									M
252	11.657	11.657	0.000	1	11086	4.29	70.0- 130.0	100.0	M
253	11.657	11.657	0.000		2443		0.0- 52.0	22.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.707	11.707	0.000	1	74511	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.426	12.426	0.000	1	9940	4.46	70.0- 130.0	100.0	
138	12.438	12.426	0.012		3522		5.4- 65.4	35.4	
111 Dibenz(a,h)anthracene									M
278	12.451	12.451	0.000	1	9270	4.50	70.0- 130.0	100.0	M
139	12.438	12.451	-0.013		1746		0.0- 48.8	18.8	
24 Benzo[g,h,i]perylene									M
276	12.599	12.599	0.000	1	11418	4.84	70.0- 130.0	100.0	M
138	12.587	12.599	-0.012		2578		0.0- 52.6	22.6	

QC Flag Legend

Review Flags
M - Manually Integrated

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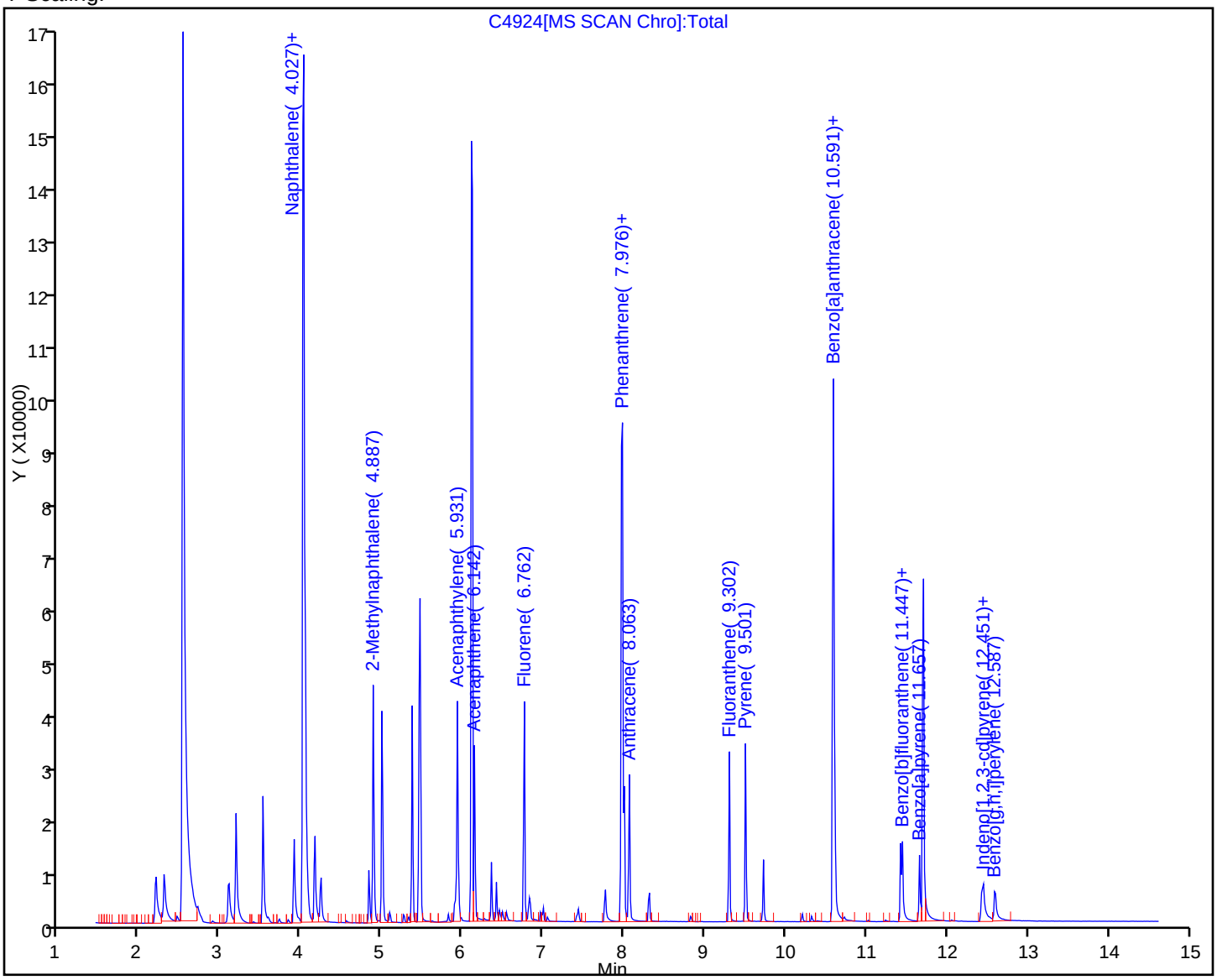
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



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Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
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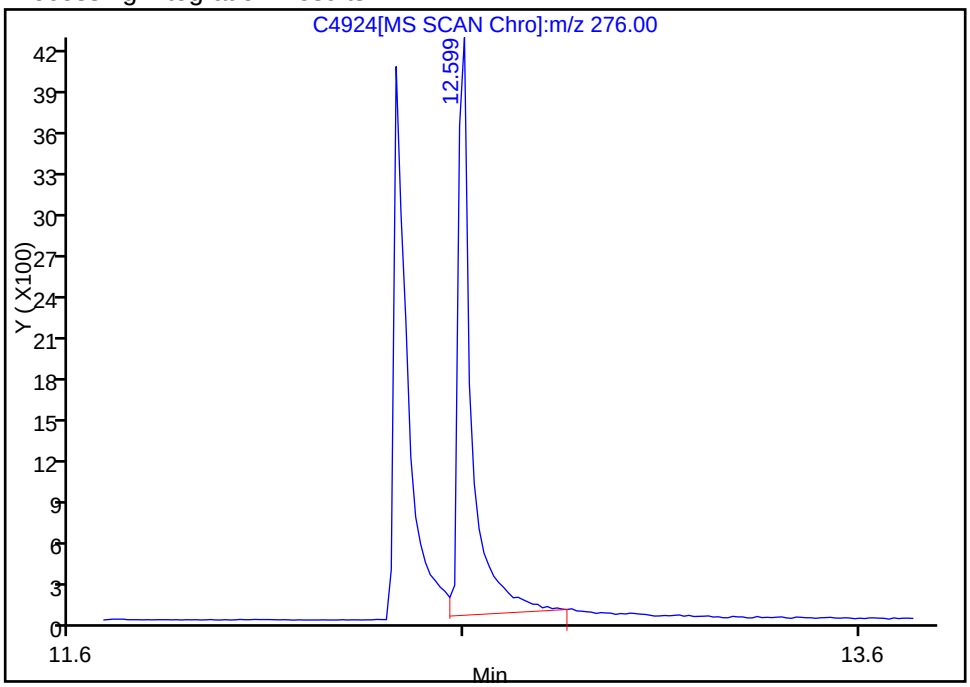
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

24 Benzo[g,h,i]perylene, Signal: 1, m/z: 276.0 Type: quant, RT: 12.60

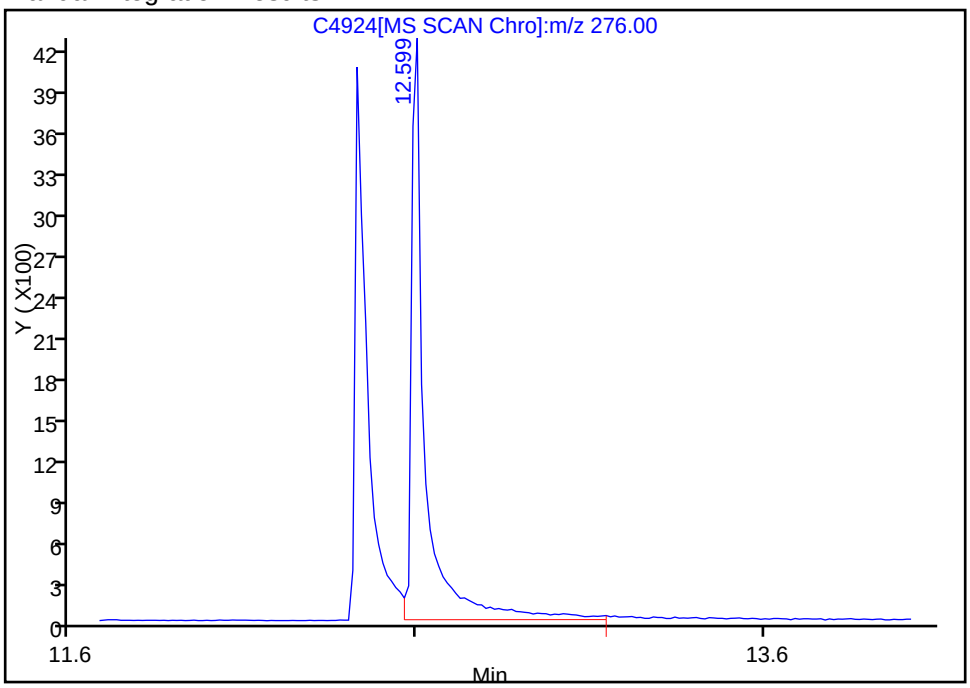
Processing Integration Results

RT: 12.60
Response: 9912
Amount: 4.477639



Manual Integration Results

RT: 12.60
Response: 11418
Amount: 4.836955



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

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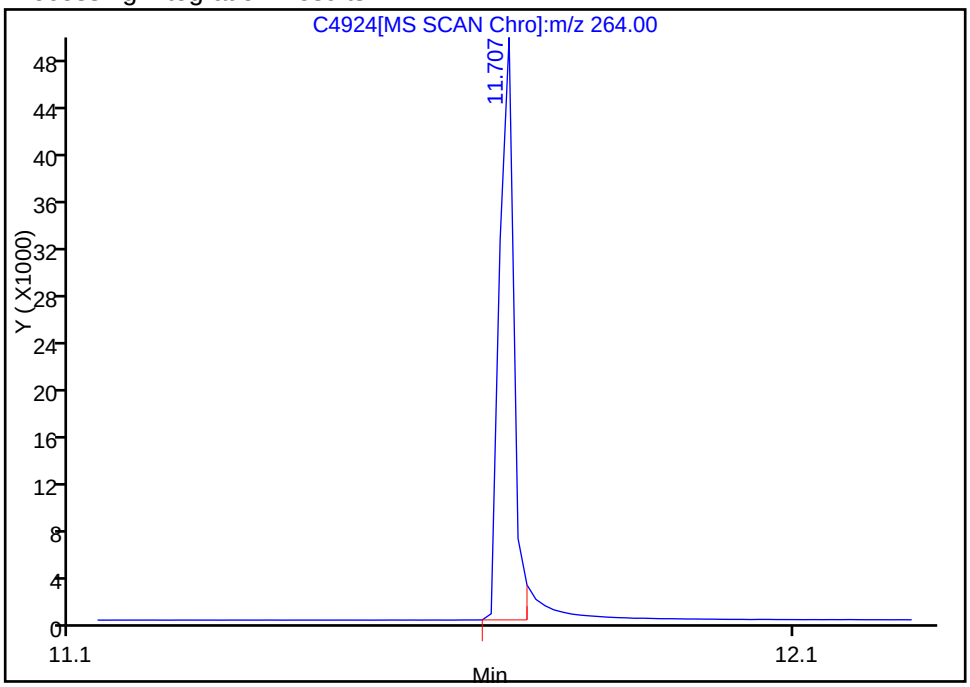
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.71

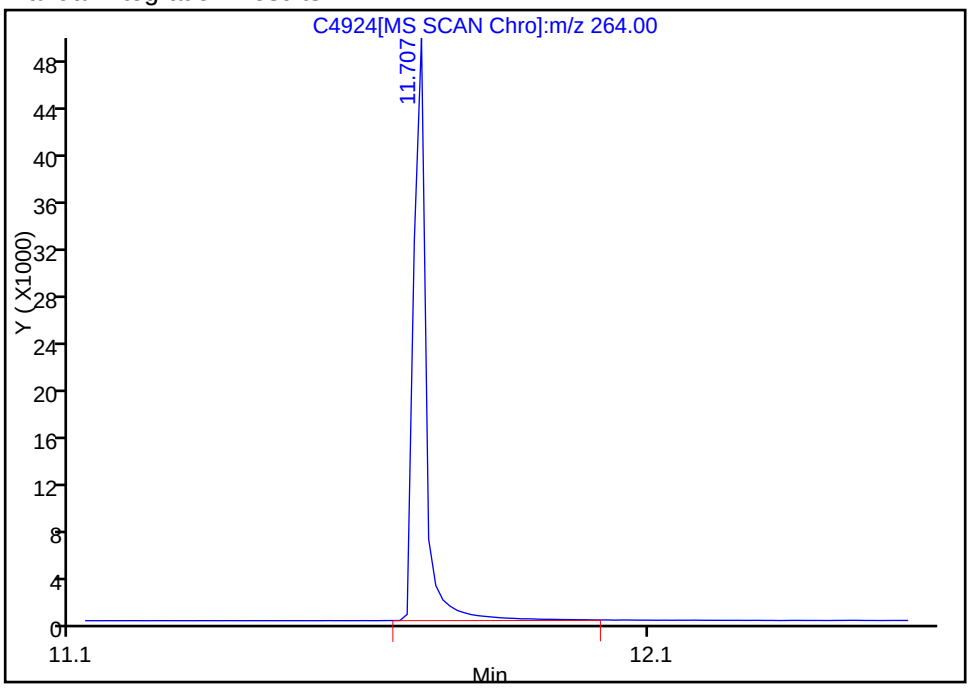
Processing Integration Results

RT: 11.71
Response: 68694
Amount: 40.000000



Manual Integration Results

RT: 11.71
Response: 74511
Amount: 40.000000



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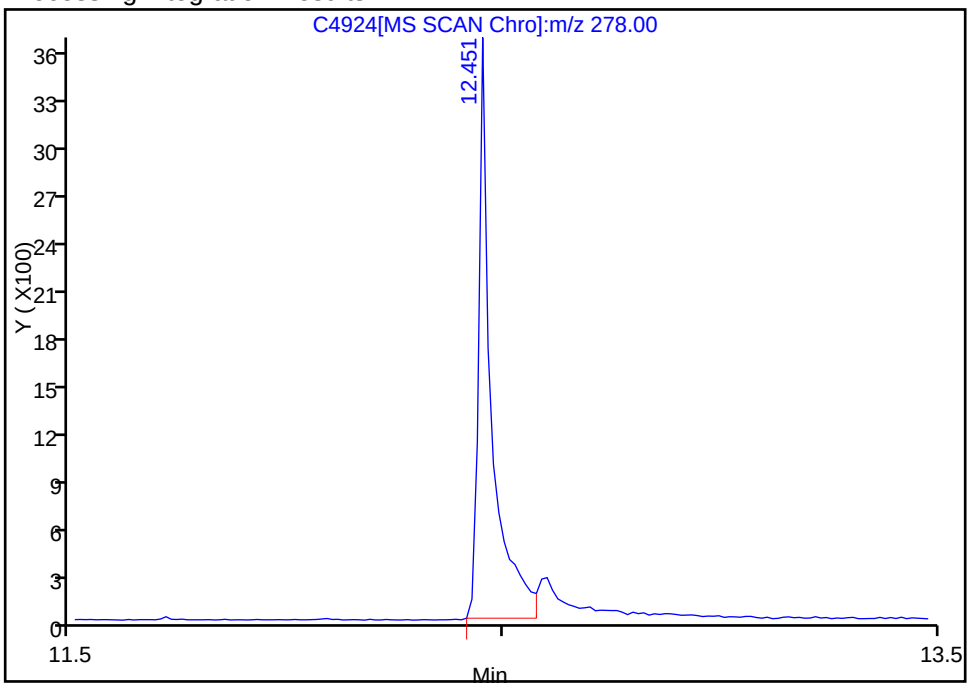
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.45

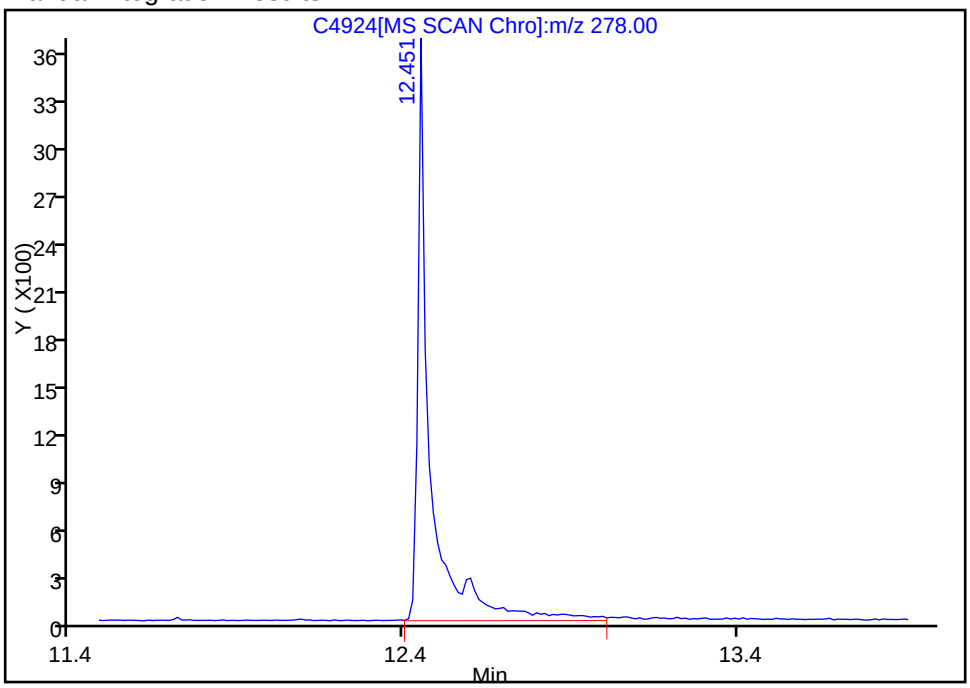
Processing Integration Results

RT: 12.45
Response: 7435
Amount: 4.647492



Manual Integration Results

RT: 12.45
Response: 9270
Amount: 4.499842



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

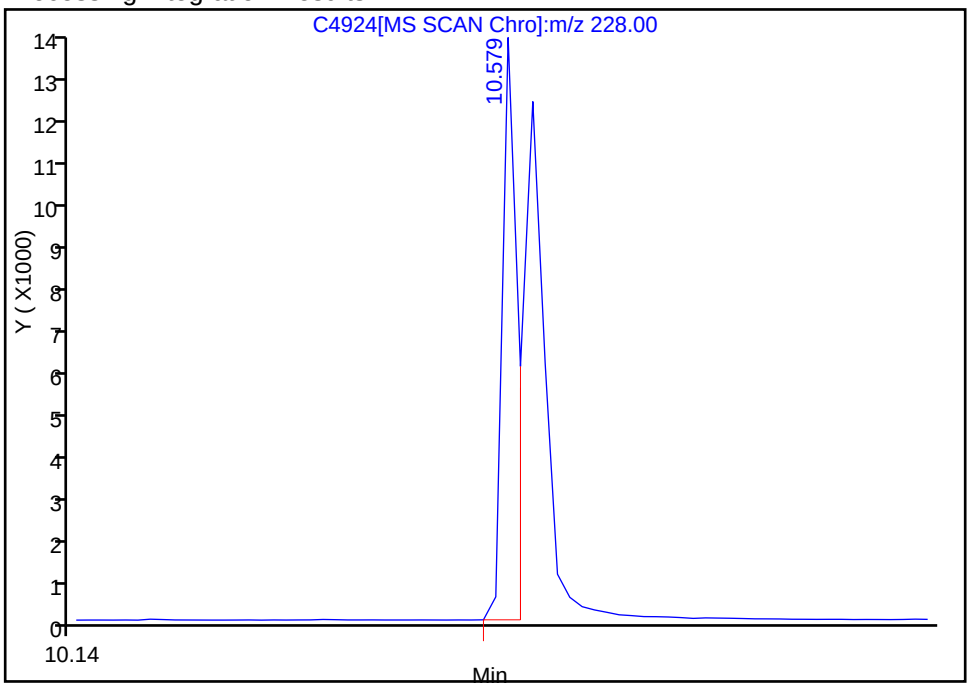
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.60

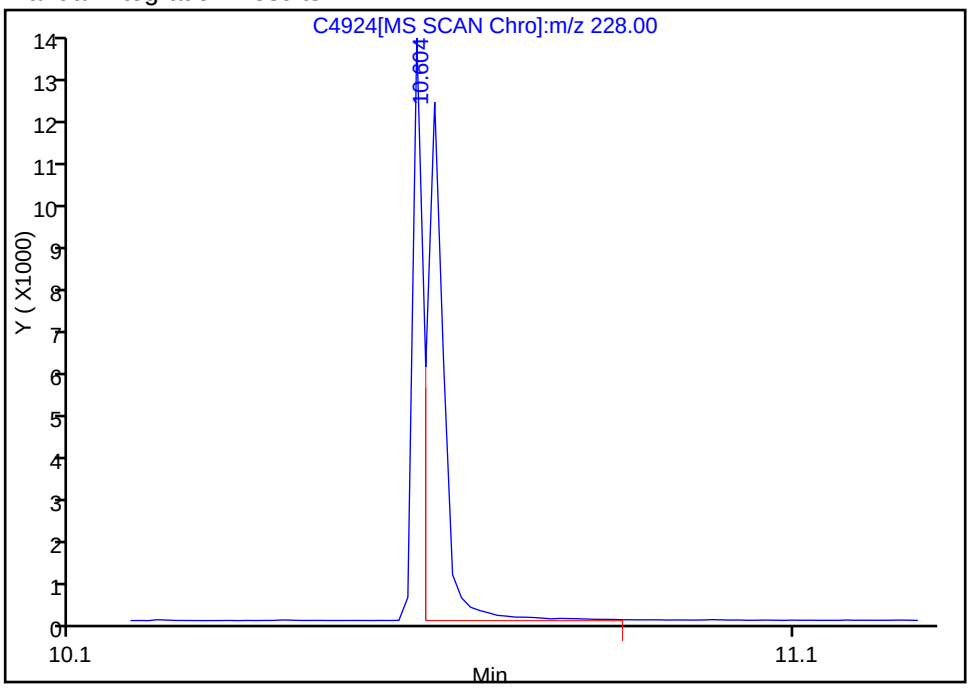
Processing Integration Results

RT: 10.58
Response: 14275
Amount: 4.108414



Manual Integration Results

RT: 10.60
Response: 19393
Amount: 5.211231



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

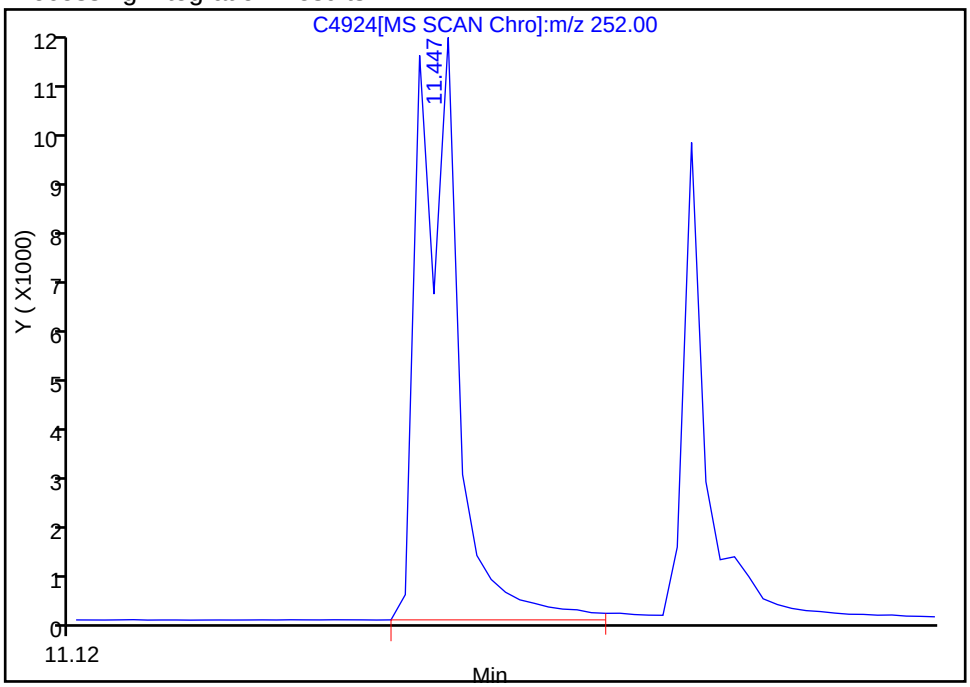
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.42

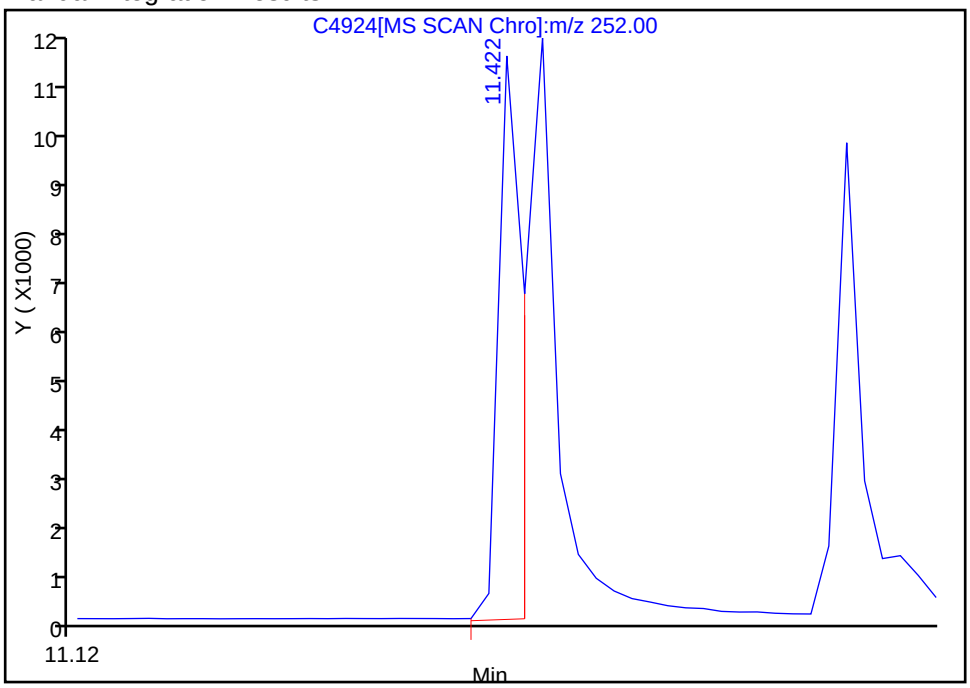
Processing Integration Results

RT: 11.45
Response: 27465
Amount: 4.919214



Manual Integration Results

RT: 11.42
Response: 13583
Amount: 4.779811



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

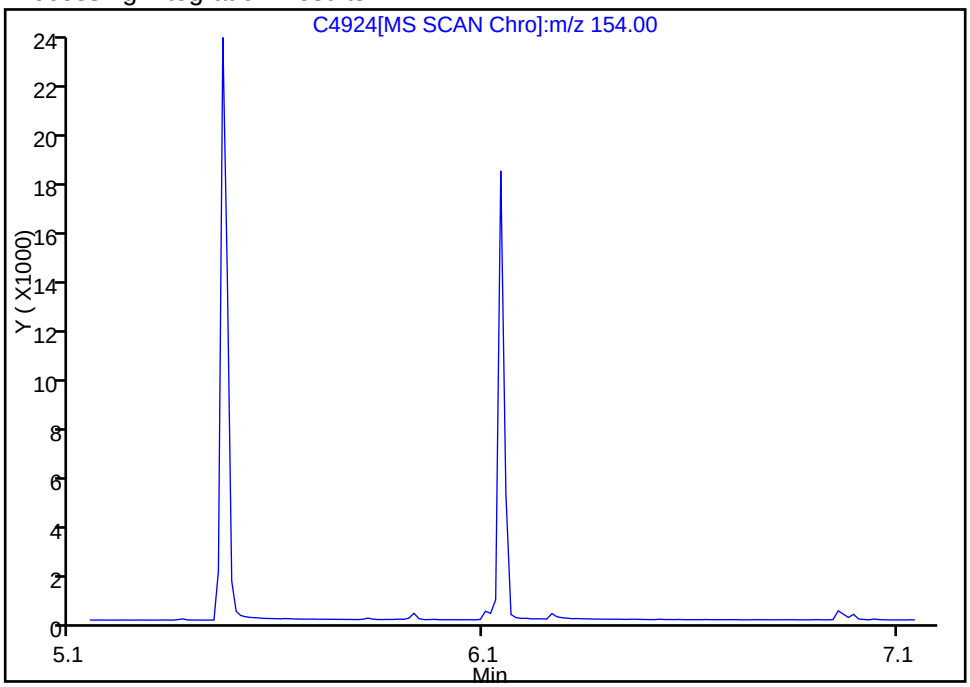
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

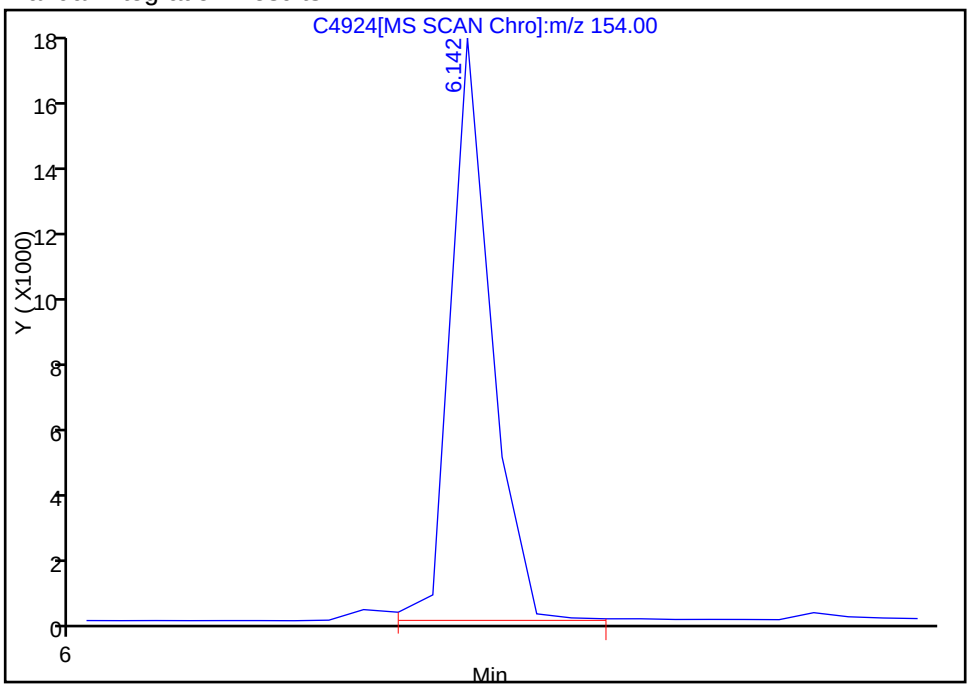
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 17862
Amount: 5.227846



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

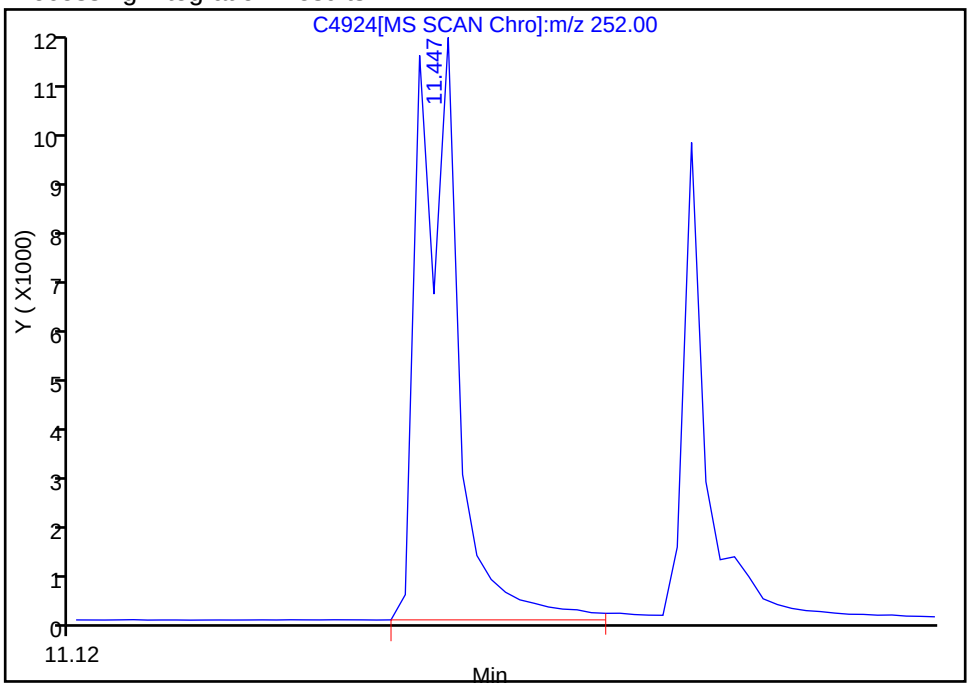
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

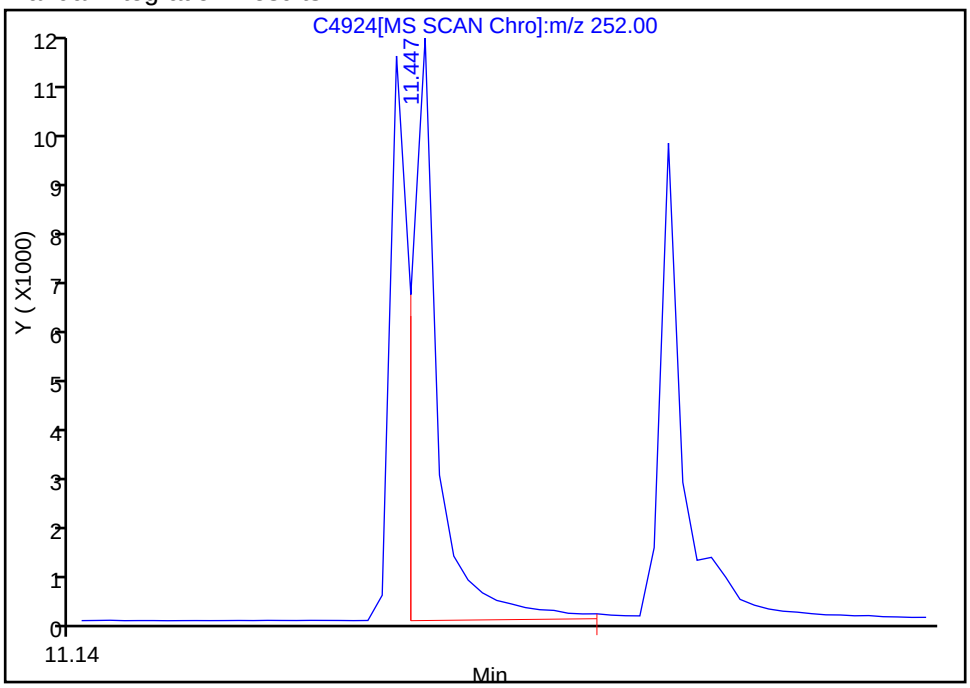
Processing Integration Results

RT: 11.45
Response: 27465
Amount: 4.836790



Manual Integration Results

RT: 11.45
Response: 18694
Amount: 4.755787



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:35 Chrom Revision: 1.2 13-Jul-2011 10:43:06

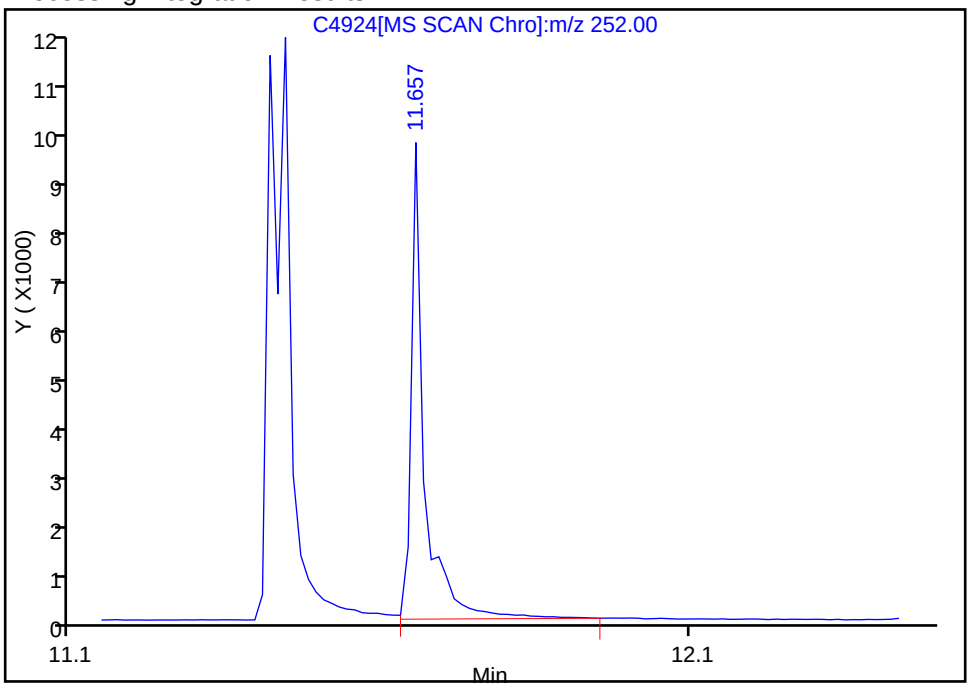
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4924.D		
Injection Date:	19-Aug-2011 11:26:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.66

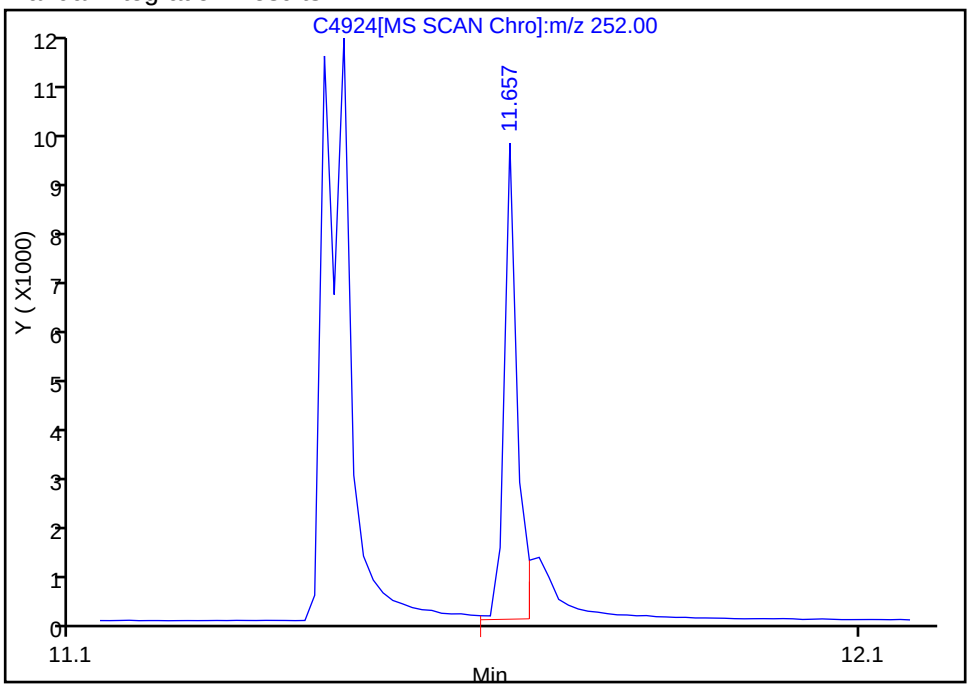
Processing Integration Results

RT: 11.66
Response: 13996
Amount: 4.996334



Manual Integration Results

RT: 11.66
Response: 11086
Amount: 4.293739



Reviewer: squiresb, 19-Aug-2011 12:08:22
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D
Lims ID: ic 010 Client ID:
Inject. Date: 19-Aug-2011 11:47:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: SSTD 010
Misc. Info.: 510-0005411-006 =510-0005411-006
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 85359 Lims Sample ID: 6
Sublist: chrom-SIM-PNAB*sub12
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m
Last Update: 19-Aug-2011 13:54:38 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 12:09:29

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.538	-0.005	1	102616	40.0	70.0- 130.0	100.0	
115	2.533	2.538	-0.005		56502		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.189	3.193	-0.005	1	28130	10.4	70.0- 130.0	100.0	
128	3.189	3.193	-0.005		15311		24.4- 84.4	54.4	
54	3.189	3.193	-0.005		13541		18.1- 78.1	48.1	
* 57 Naphthalene-d8									
136	4.027	4.021	0.006	1	197324	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.049	4.043	0.006	0	66541	10.2	70.0- 130.0	100.0	
129	4.049	4.043	0.006		7355		0.0- 41.1	11.1	
127	4.049	4.043	0.006		8269		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.887	4.892	-0.005	1	38694	10.1	70.0- 130.0	100.0	
141	4.887	4.892	-0.005		31426		51.2- 111.2	81.2	
115	4.887	4.892	-0.005		15309		9.6- 69.6	39.6	
$ 66 2-Fluorobiphenyl									
172	5.371	5.376	-0.005	1	43358	10.7			
71 Acenaphthylene									
152	5.932	5.932	0.000	1	55489	10.8	70.0- 130.0	100.0	
151	5.932	5.932	0.000		10818		0.0- 49.5	19.5	
* 73 Acenaphthene-d10									
164	6.117	6.106	0.011	1	83820	40.0	70.0- 130.0	100.0	
162	6.105	6.106	-0.001		75838		60.5- 120.5	90.5	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.142	6.143	-0.001	0	29275	10.2	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									
166	6.762	6.763	-0.001	6	34024	10.9	70.0- 130.0	100.0	
165	6.762	6.763	-0.001		30188		58.7- 118.7	88.7	
* 90 Phenanthrene-d10									
188	7.977	7.978	-0.001	1	114166	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.001	8.002	-0.001	1	40713	10.2	70.0- 130.0	100.0	
179	8.001	8.002	-0.001		6318		0.0- 45.5	15.5	
92 Anthracene									
178	8.063	8.064	-0.001	1	43099	10.7	70.0- 130.0	100.0	
179	8.063	8.064	-0.001		6295		0.0- 44.6	14.6	
95 Fluoranthene									
202	9.303	9.304	-0.001	2	41811	10.7	70.0- 130.0	100.0	
101	9.290	9.304	-0.014		5715		0.0- 43.7	13.7	
203	9.303	9.304	-0.001		7411		0.0- 47.7	17.7	
97 Pyrene									
202	9.501	9.502	-0.001	20	42164	9.91	70.0- 130.0	100.0	
101	9.501	9.502	-0.001		7397		0.0- 47.5	17.5	
$ 98 Terphenyl-d14									
244	9.724	9.725	-0.001	1	15893	9.51	70.0- 130.0	100.0	
122	9.712	9.725	-0.013		3364		0.0- 51.2	21.2	
101 Benzo[a]anthracene									
228	10.579	10.580	-0.001	0	32213	9.34	70.0- 130.0	100.0	
229	10.579	10.580	-0.001		8822		0.0- 57.4	27.4	
226	10.579	10.580	-0.001		8436		0.0- 56.2	26.2	
* 103 Chrysene-d12									
240	10.592	10.593	-0.001	1	85276	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.604	10.605	-0.001	1	43892	10.9	70.0- 130.0	100.0	M
226	10.604	10.605	-0.001		10618		0.0- 54.2	24.2	
229	10.617	10.605	0.012		5329		0.0- 42.1	12.1	
106 Benzo[b]fluoranthene									M
252	11.422	11.423	-0.001	1	29316	10.5	70.0- 130.0	100.0	M
253	11.447	11.423	0.024		13317		15.4- 75.4	45.4	
107 Benzo[k]fluoranthene									M
252	11.447	11.436	0.011	1	41741	10.8	70.0- 130.0	100.0	M
253	11.447	11.436	0.011		13317		1.9- 61.9	31.9	
108 Benzo[a]pyrene									M
252	11.658	11.646	0.012	1	24349	9.62	70.0- 130.0	100.0	M
253	11.658	11.646	0.012		6115		0.0- 55.1	25.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.707	11.696	0.011	1	73044	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.426	12.415	0.011	1	22347	9.35	70.0- 130.0	100.0	
138	12.414	12.415	-0.001		7842		5.1- 65.1	35.1	
111 Dibenz(a,h)anthracene									M
278	12.438	12.427	0.011	1	20273	9.79	70.0- 130.0	100.0	M
139	12.438	12.427	0.011		3746		0.0- 48.5	18.5	
24 Benzo[g,h,i]perylene									M
276	12.587	12.576	0.011	1	24660	10.7	70.0- 130.0	100.0	M
138	12.575	12.576	-0.001		6129		0.0- 54.9	24.9	

QC Flag Legend

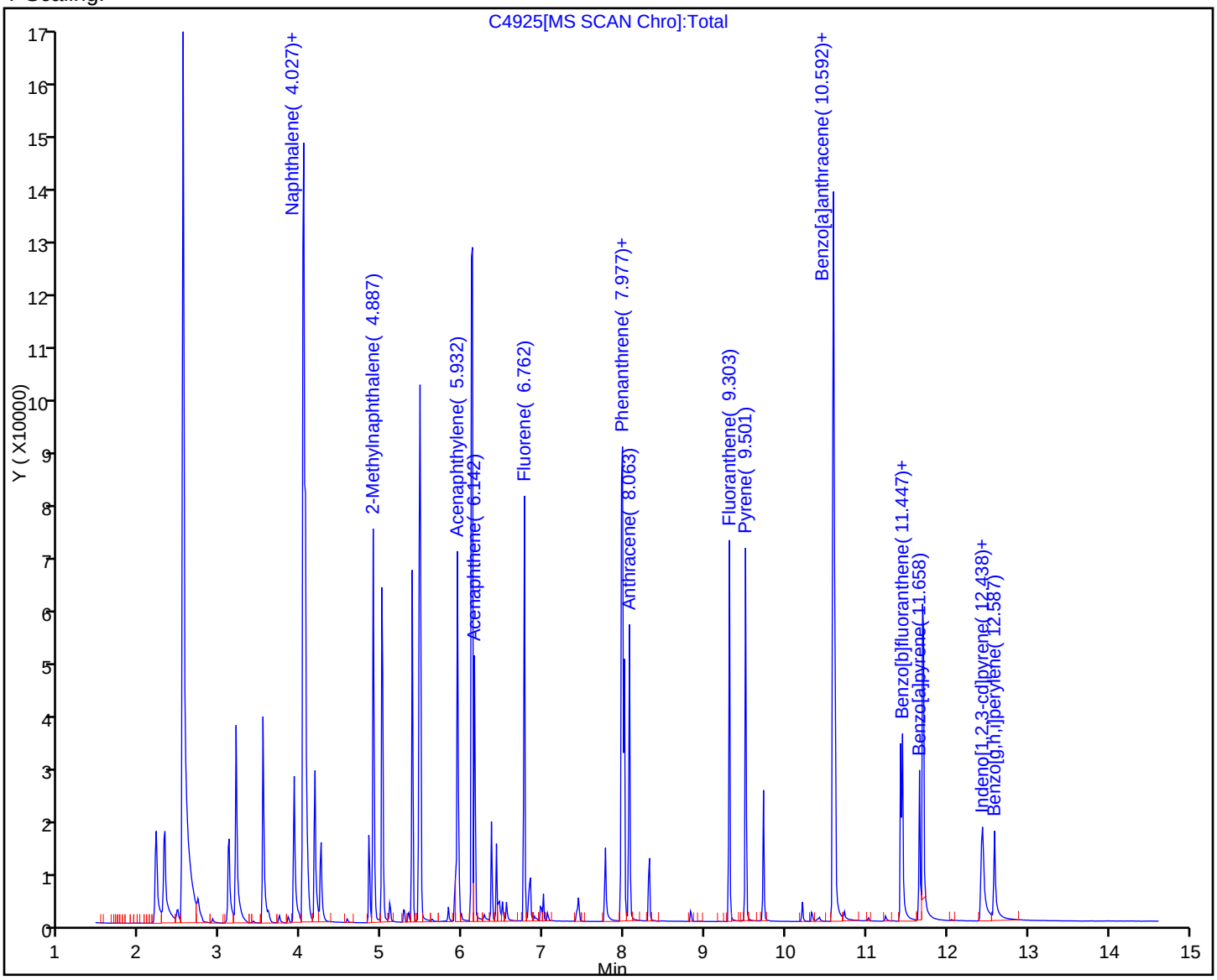
Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D

Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

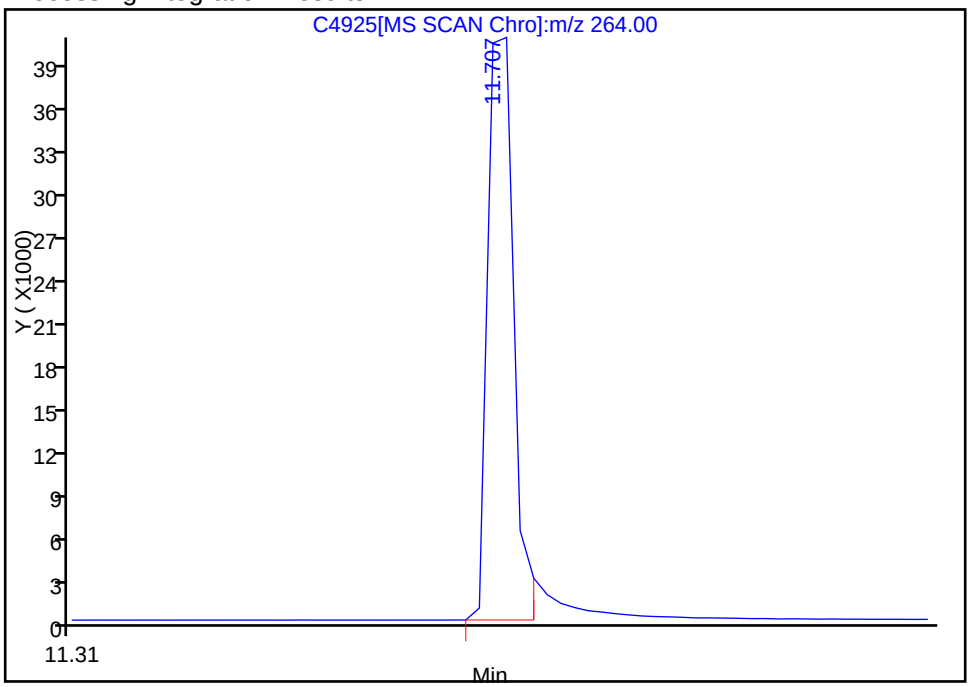
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.70

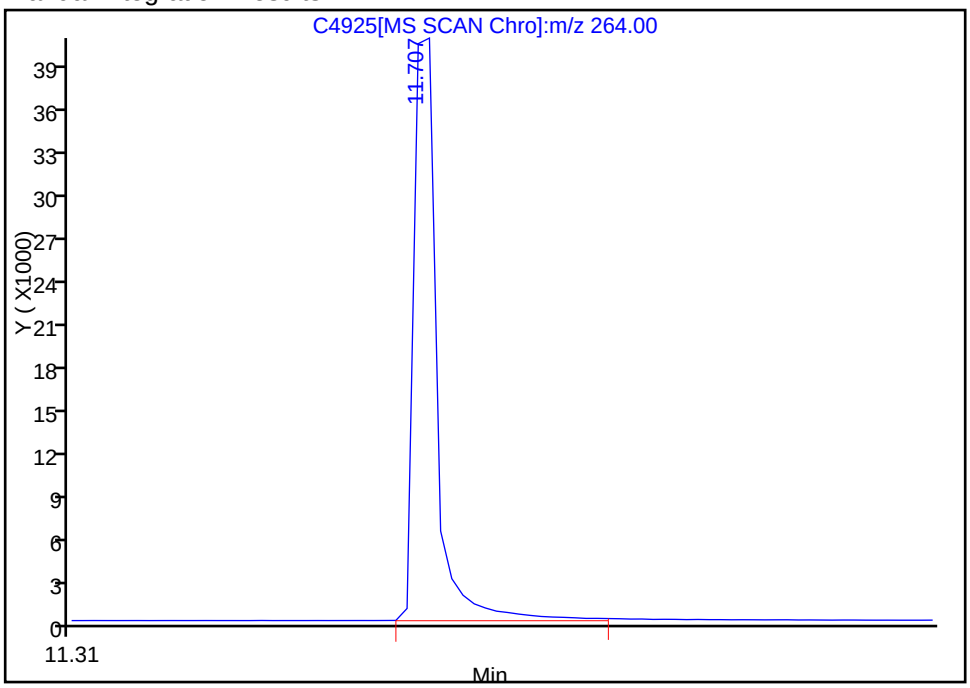
Processing Integration Results

RT: 11.71
Response: 67472
Amount: 40.000000



Manual Integration Results

RT: 11.71
Response: 73044
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

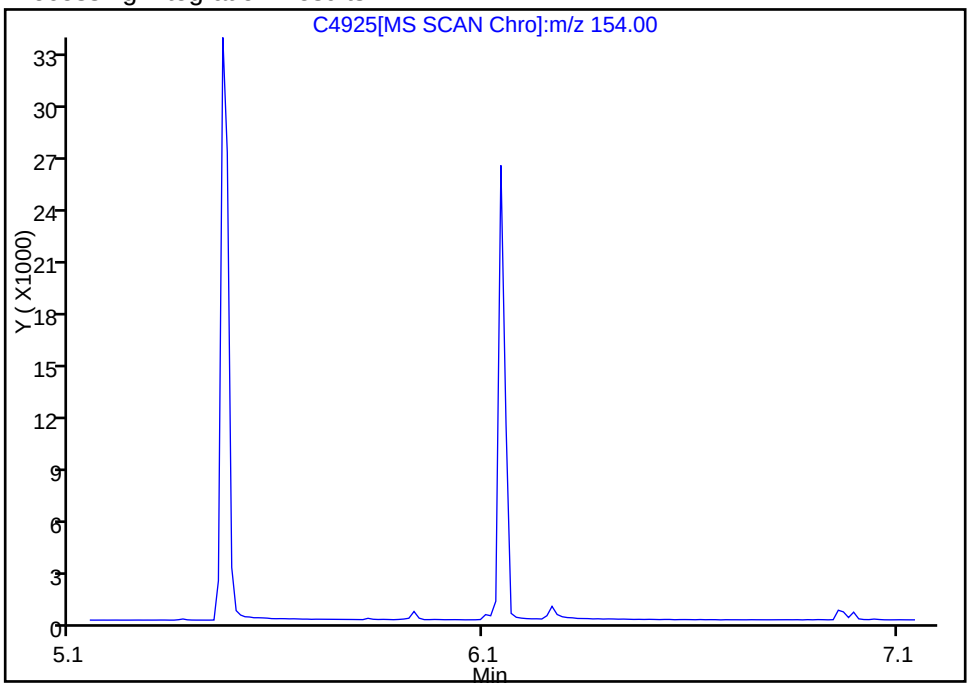
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

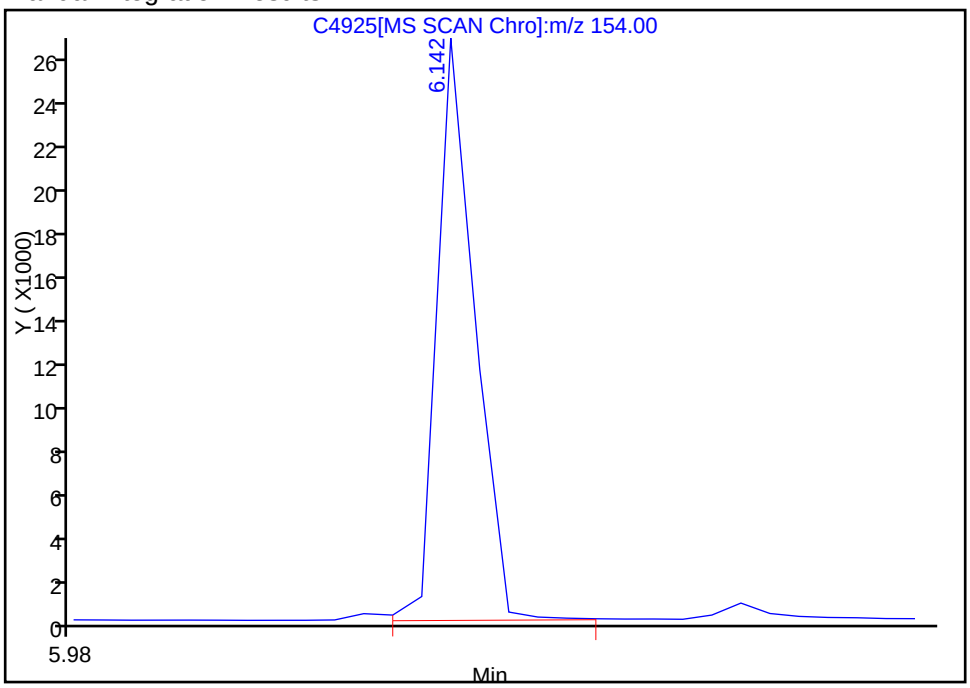
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 29275
Amount: 10.214886



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

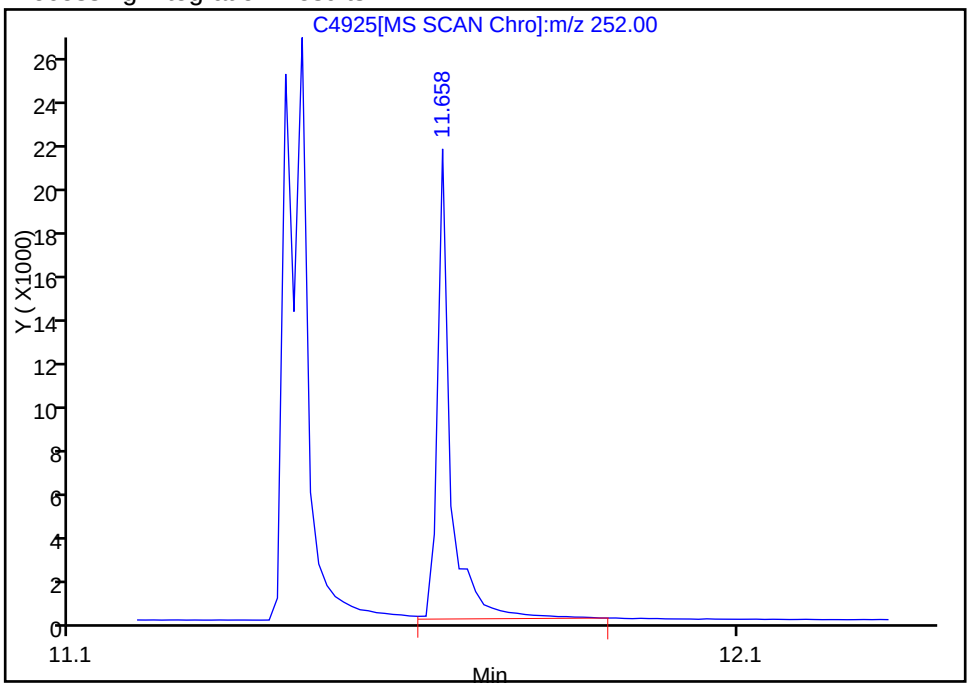
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.65

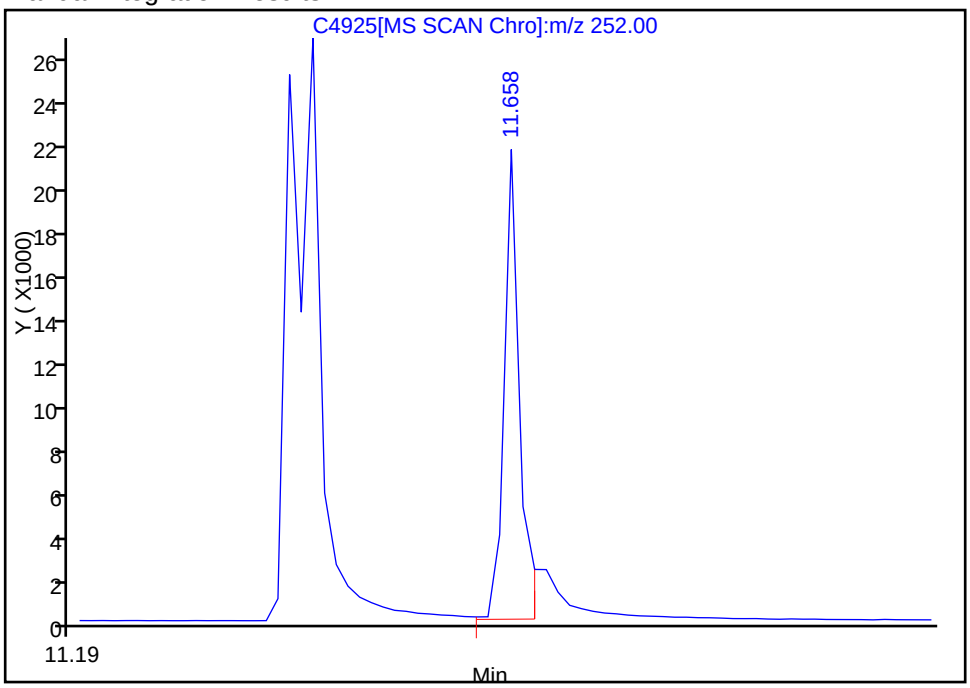
Processing Integration Results

RT: 11.66
Response: 29168
Amount: 10.011115



Manual Integration Results

RT: 11.66
Response: 24349
Amount: 9.620101



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

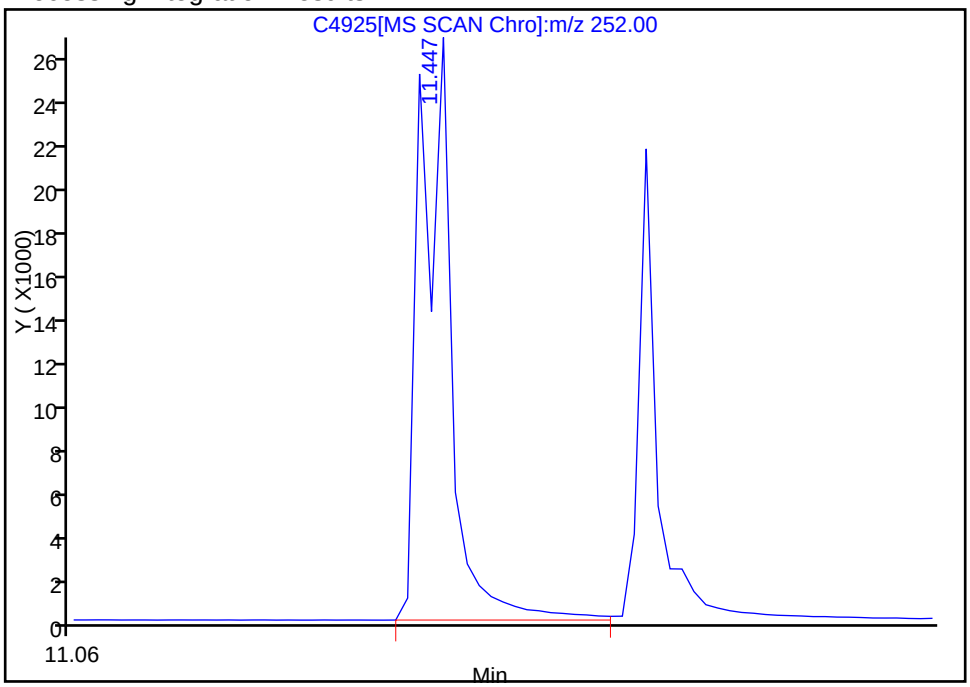
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.42

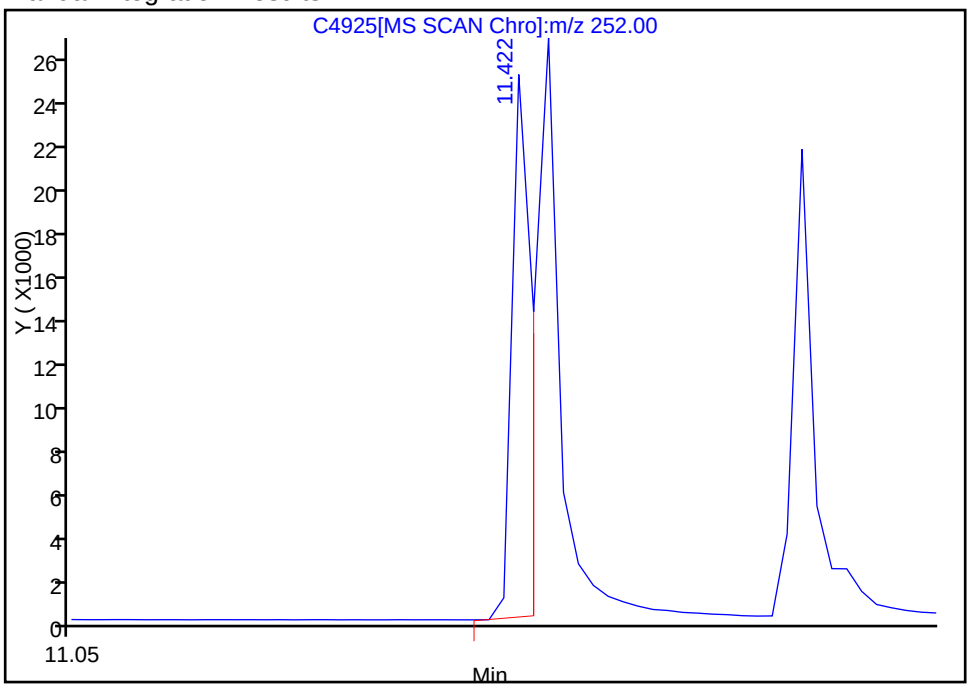
Processing Integration Results

RT: 11.45
Response: 60236
Amount: 10.019127



Manual Integration Results

RT: 11.42
Response: 29316
Amount: 10.523389



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

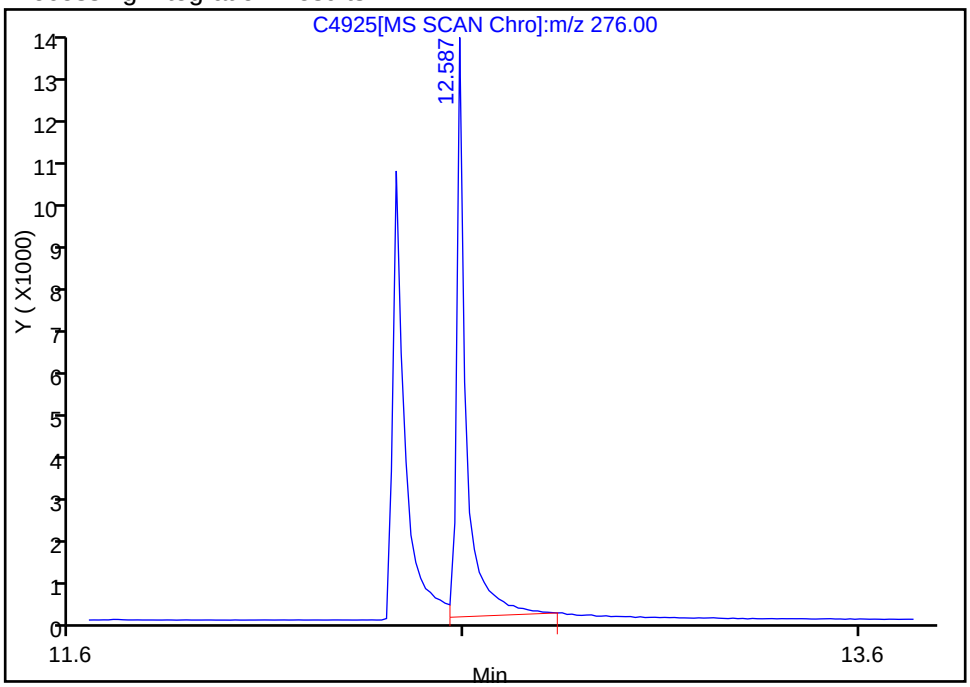
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.58

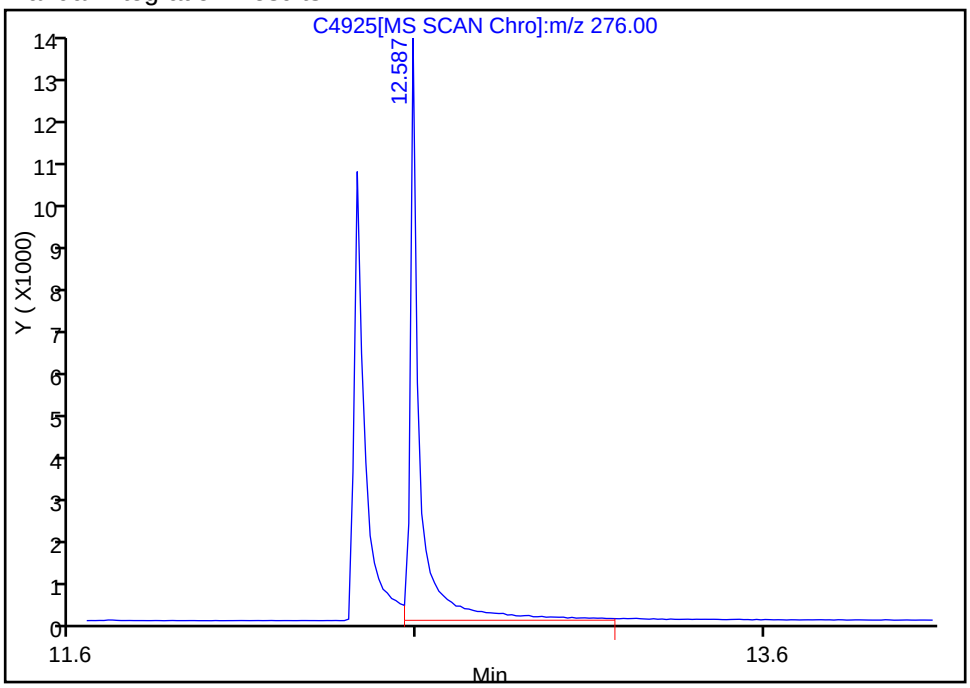
Processing Integration Results

RT: 12.59
Response: 21453
Amount: 9.779349



Manual Integration Results

RT: 12.59
Response: 24660
Amount: 10.656409



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

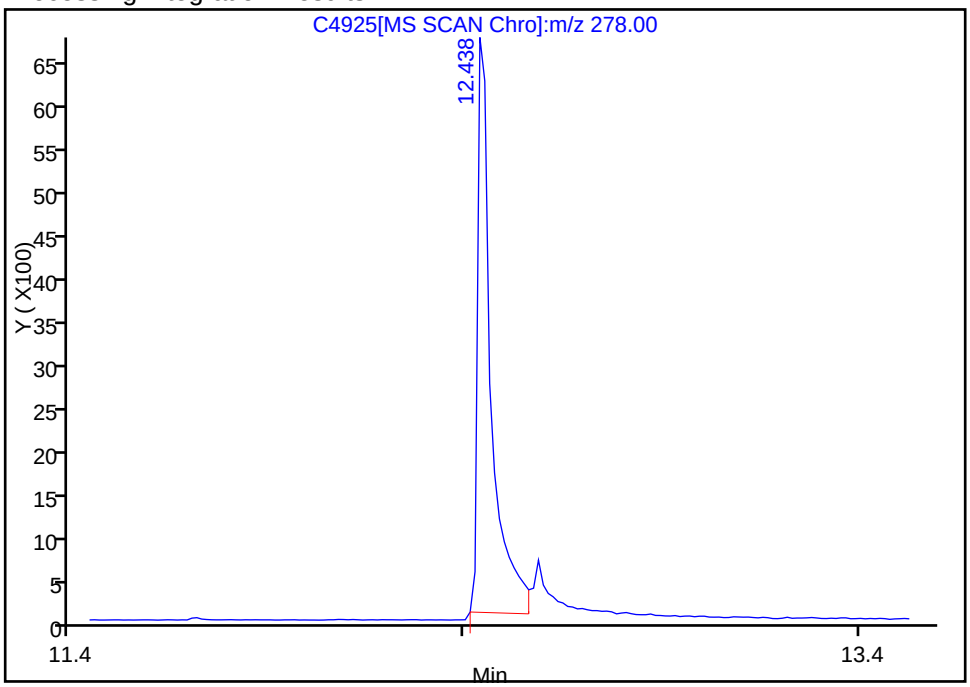
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.43

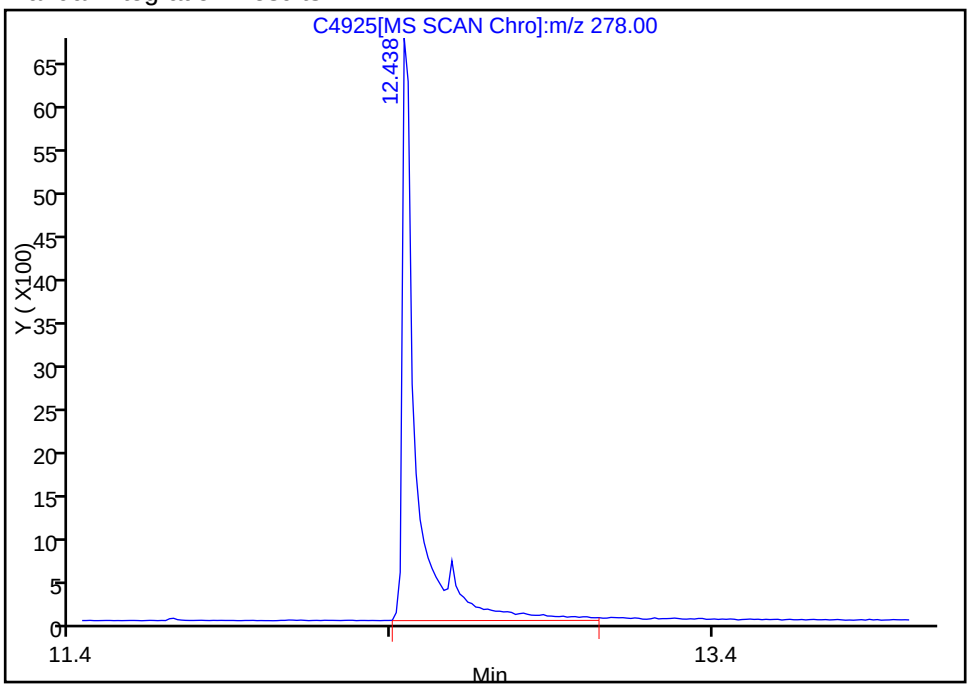
Processing Integration Results

RT: 12.44
Response: 15974
Amount: 9.897998



Manual Integration Results

RT: 12.44
Response: 20273
Amount: 9.791822



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

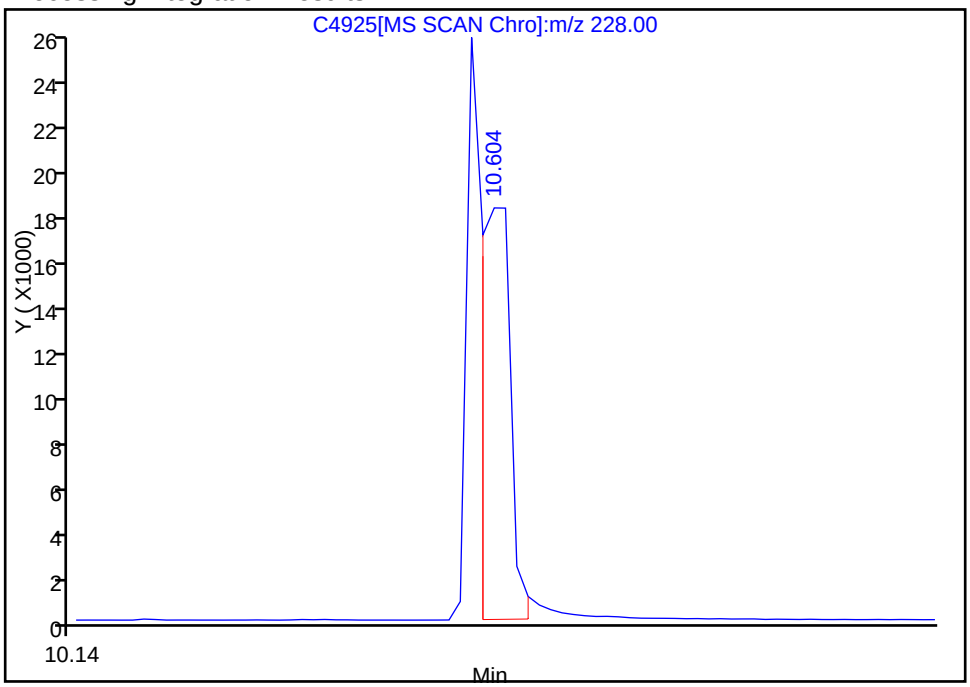
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.61

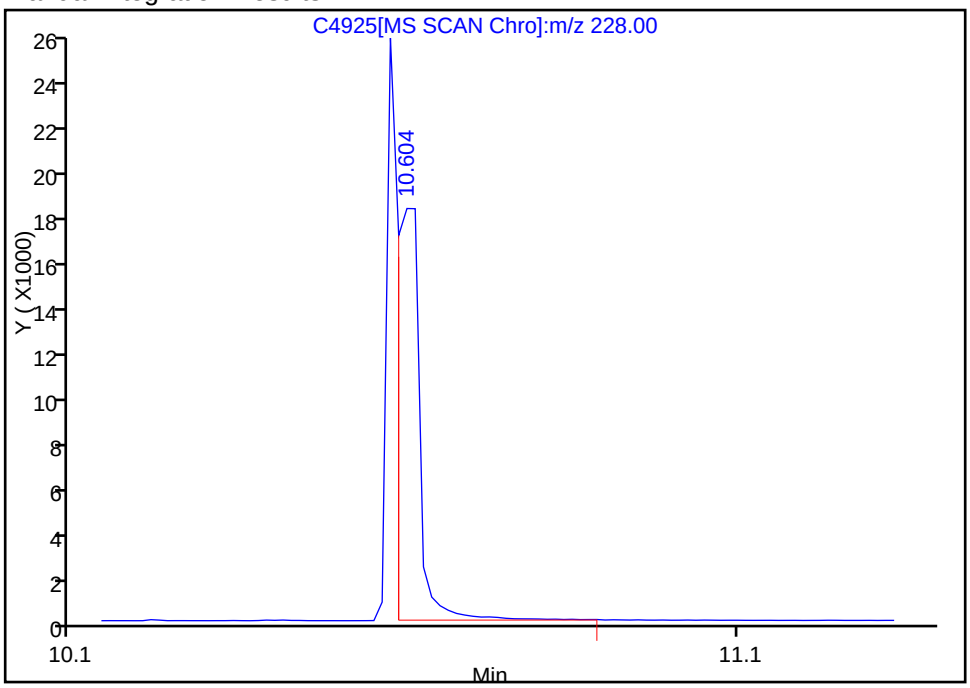
Processing Integration Results

RT: 10.60
Response: 41895
Amount: 10.519827



Manual Integration Results

RT: 10.60
Response: 43892
Amount: 10.896622



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

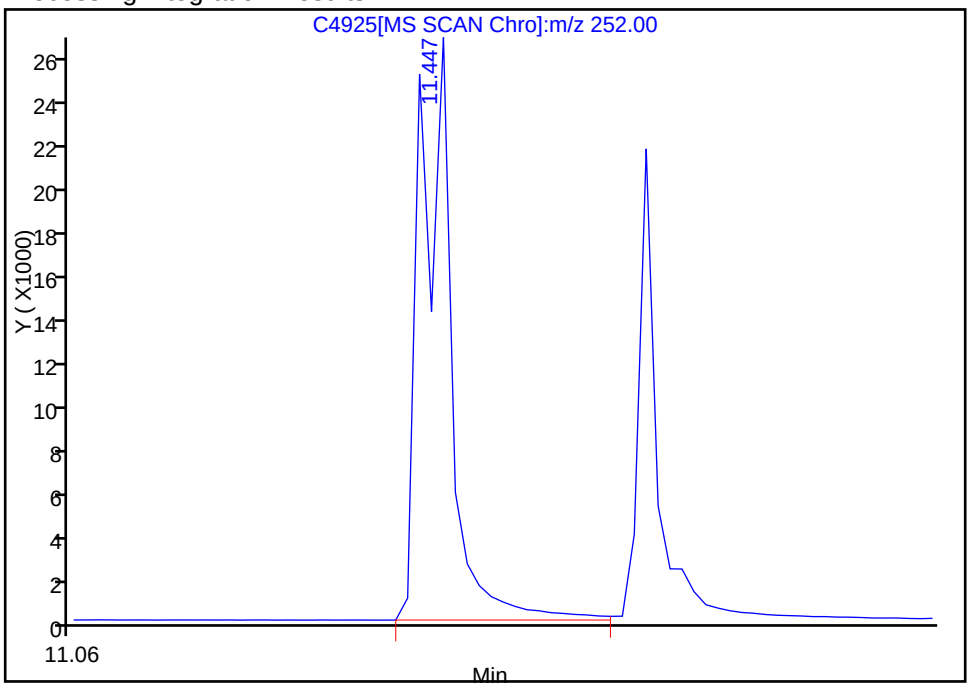
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4925.D		
Injection Date:	19-Aug-2011 11:47:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.44

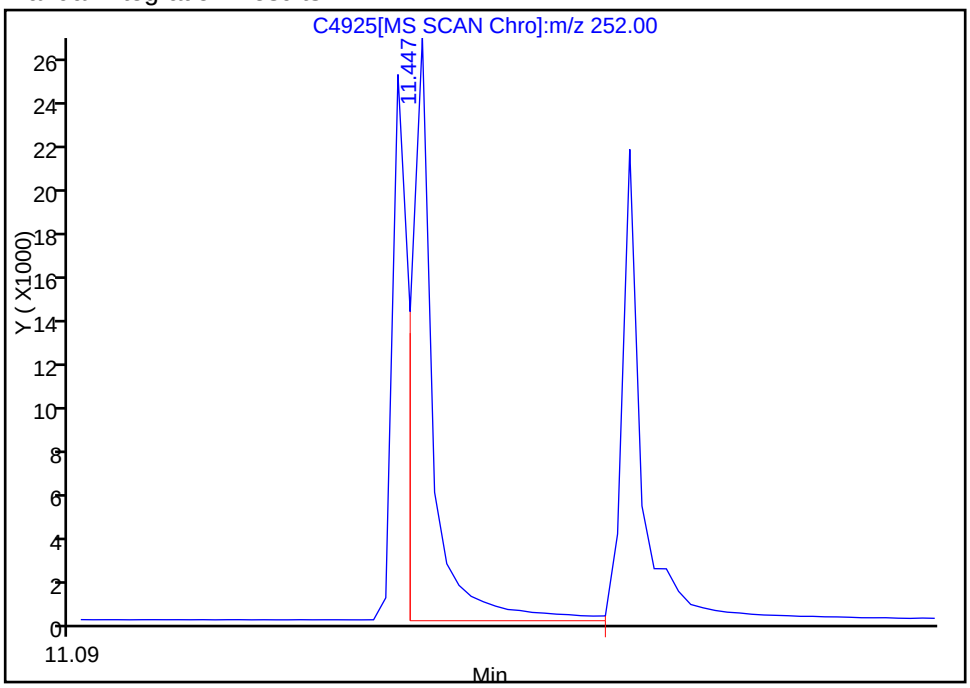
Processing Integration Results

RT: 11.45
Response: 60236
Amount: 10.014840



Manual Integration Results

RT: 11.45
Response: 41741
Amount: 10.832255



Reviewer: squiresb, 19-Aug-2011 12:09:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Lims ID:	ic 020	Client ID:	
Inject. Date:	19-Aug-2011 12:08:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	SSTD 020		
Misc. Info.:	510-0005411-007 =510-0005411-007		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	85359	Lims Sample ID:	7
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:41	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 13:51:02

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.536	2.536	0.000	1	92878	40.0	70.0- 130.0	100.0	
115	2.525	2.536	-0.011		51184		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.192	3.192	0.000	1	56870	20.7	70.0- 130.0	100.0	
128	3.192	3.192	0.000		31784		24.4- 84.4	55.9	
54	3.192	3.192	0.000		27654		18.1- 78.1	48.6	
* 57 Naphthalene-d8									
136	4.019	4.019	0.000	1	200605	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.052	4.052	0.000	0	137257	20.7	70.0- 130.0	100.0	
129	4.052	4.052	0.000		15521		0.0- 41.1	11.3	
127	4.052	4.052	0.000		16959		0.0- 42.4	12.4	
62 2-Methylnaphthalene									
142	4.890	4.890	0.000	1	80259	20.5	70.0- 130.0	100.0	
141	4.890	4.890	0.000		64866		51.2- 111.2	80.8	
115	4.890	4.890	0.000		32856		9.6- 69.6	40.9	
$ 66 2-Fluorobiphenyl									
172	5.374	5.374	0.000	1	92839	20.7			
71 Acenaphthylene									
152	5.933	5.933	0.000	1	116482	20.5	70.0- 130.0	100.0	
151	5.933	5.933	0.000		22529		0.0- 49.5	19.3	
* 73 Acenaphthene-d10									
164	6.118	6.118	0.000	1	92652	40.0	70.0- 130.0	100.0	
162	6.118	6.118	0.000		83508		60.5- 120.5	90.1	

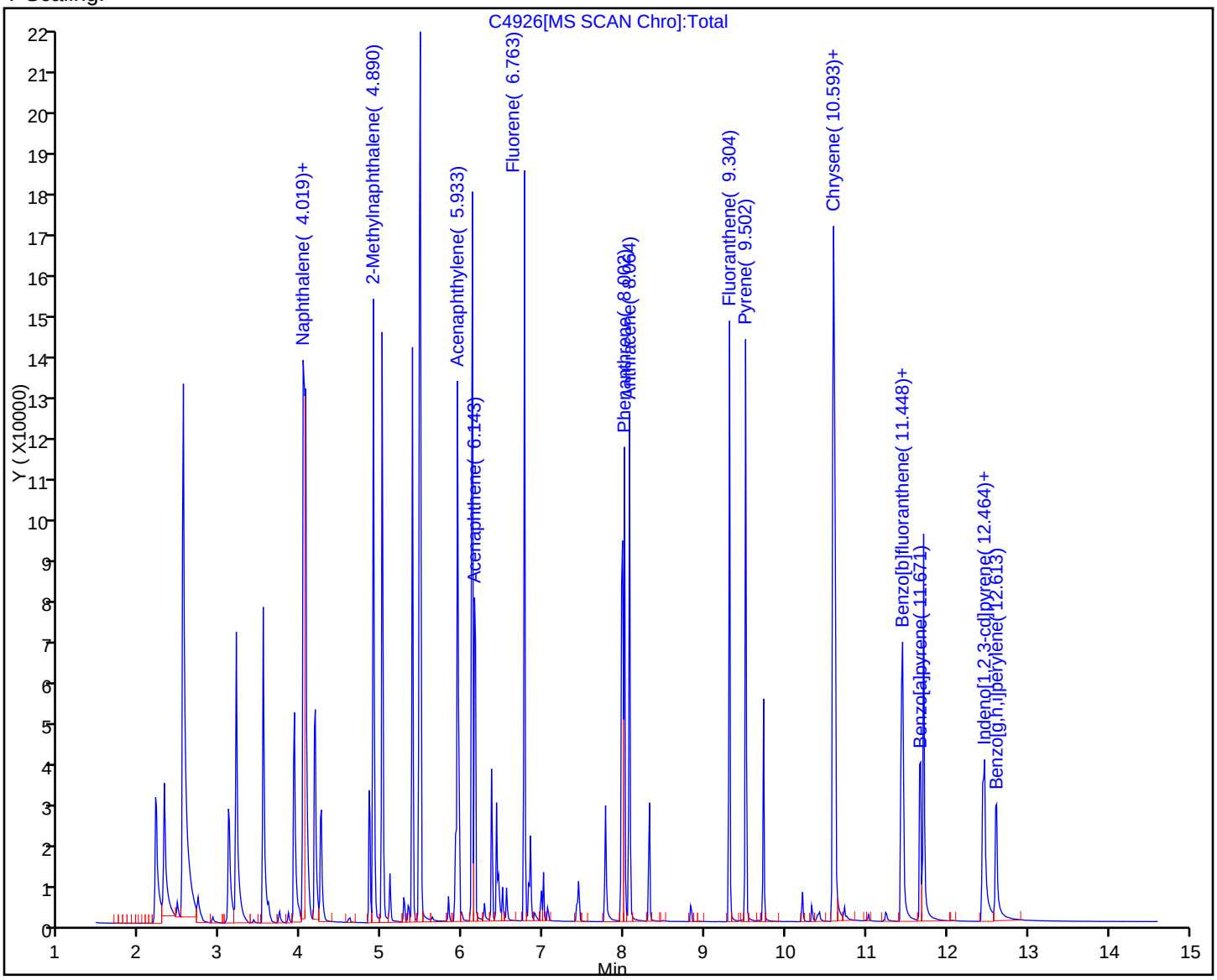
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.143	6.143	0.000	0	64221	20.3	70.0- 130.0	100.0	M
152	0.0	6.143	-6.143		0		25.6- 85.6		
153	0.0	6.143	-6.143		0		77.5- 137.5		
80 Fluorene									M
166	6.763	6.763	0.000	1	74995	21.7	70.0- 130.0	100.0	M
165	6.788	6.763	0.025		1084		58.7- 118.7	1.4	
* 90 Phenanthrene-d10									
188	7.978	7.978	0.000	1	119401	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.002	8.002	0.000	1	88424	21.2	70.0- 130.0	100.0	
179	8.002	8.002	0.000		14180		0.0- 45.5	16.0	
92 Anthracene									
178	8.064	8.064	0.000	1	91849	21.7	70.0- 130.0	100.0	
179	8.064	8.064	0.000		14249		0.0- 44.6	15.5	
95 Fluoranthene									
202	9.304	9.304	0.000	2	88793	21.7	70.0- 130.0	100.0	
101	9.291	9.304	-0.013		11895		0.0- 43.7	13.4	
203	9.304	9.304	0.000		16307		0.0- 47.7	18.4	
97 Pyrene									
202	9.502	9.502	0.000	20	87514	20.8	70.0- 130.0	100.0	
101	9.502	9.502	0.000		15454		0.0- 47.5	17.7	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	35364	21.4	70.0- 130.0	100.0	
122	9.713	9.725	-0.012		7052		0.0- 51.2	19.9	
101 Benzo[a]anthracene									M
228	10.580	10.580	0.000	0	66818	19.6	70.0- 130.0	100.0	M
229	10.580	10.580	0.000		17670		0.0- 57.4	26.4	
226	10.580	10.580	0.000		17604		0.0- 56.2	26.3	
* 103 Chrysene-d12									
240	10.593	10.593	0.000	1	84163	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.618	10.618	0.000	1	87806	22.1	70.0- 130.0	100.0	M
226	10.605	10.618	-0.013		23863		0.0- 54.2	27.2	
229	10.618	10.618	0.000		10933		0.0- 42.1	12.5	
106 Benzo[b]fluoranthene									M
252	11.436	11.436	0.000	1	49909	16.8	70.0- 130.0	100.0	M
253	11.448	11.436	0.012		27648		15.4- 75.4	55.4	
107 Benzo[k]fluoranthene									M
252	11.448	11.448	0.000	1	103644	25.2	70.0- 130.0	100.0	M
253	11.448	11.448	0.000		27648		1.9- 61.9	26.7	
108 Benzo[a]pyrene									
252	11.671	11.671	0.000	1	50793	18.8	70.0- 130.0	100.0	
253	11.671	11.671	0.000		11300		0.0- 55.1	22.2	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.708	11.708	0.000	1	78070	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.440	12.440	0.000	1	51288	19.3	70.0- 130.0	100.0	
138	12.427	12.440	-0.013		18118		5.1- 65.1	35.3	
111 Dibenz(a,h)anthracene									M
278	12.464	12.464	0.000	1	45258	20.2	70.0- 130.0	100.0	M
139	12.452	12.464	-0.012		9423		0.0- 48.5	20.8	
24 Benzo[g,h,i]perylene									M
276	12.613	12.613	0.000	1	51183	20.7	70.0- 130.0	100.0	M
138	12.601	12.613	-0.012		14308		0.0- 54.9	28.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D
Injection Date: 19-Aug-2011 12:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 7
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

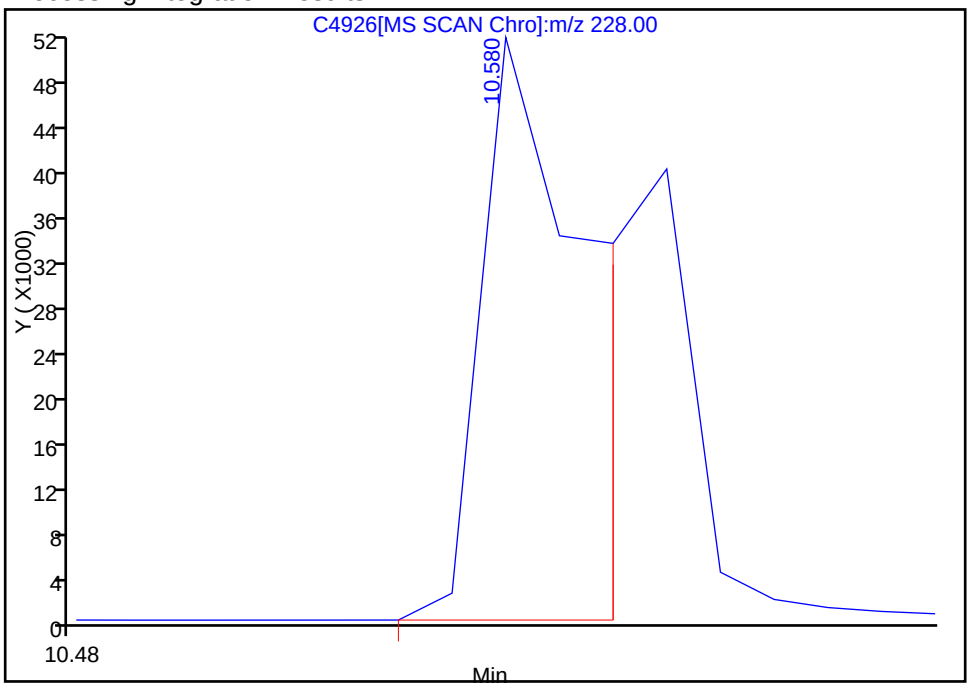
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 10.58

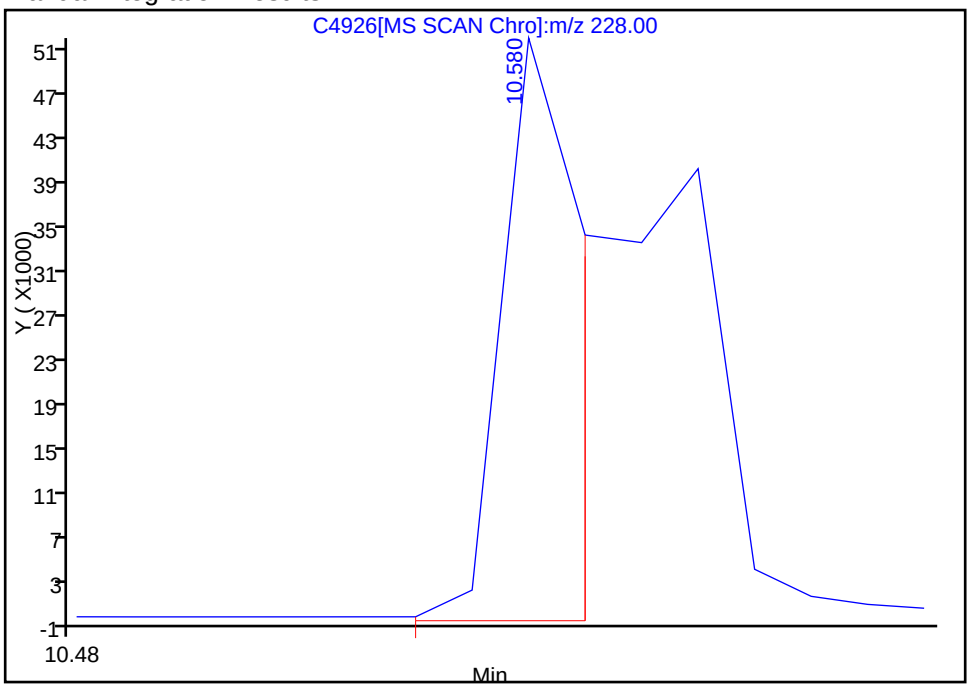
Processing Integration Results

RT: 10.58
Response: 90714
Amount: 21.250855



Manual Integration Results

RT: 10.58
Response: 66818
Amount: 19.628221



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

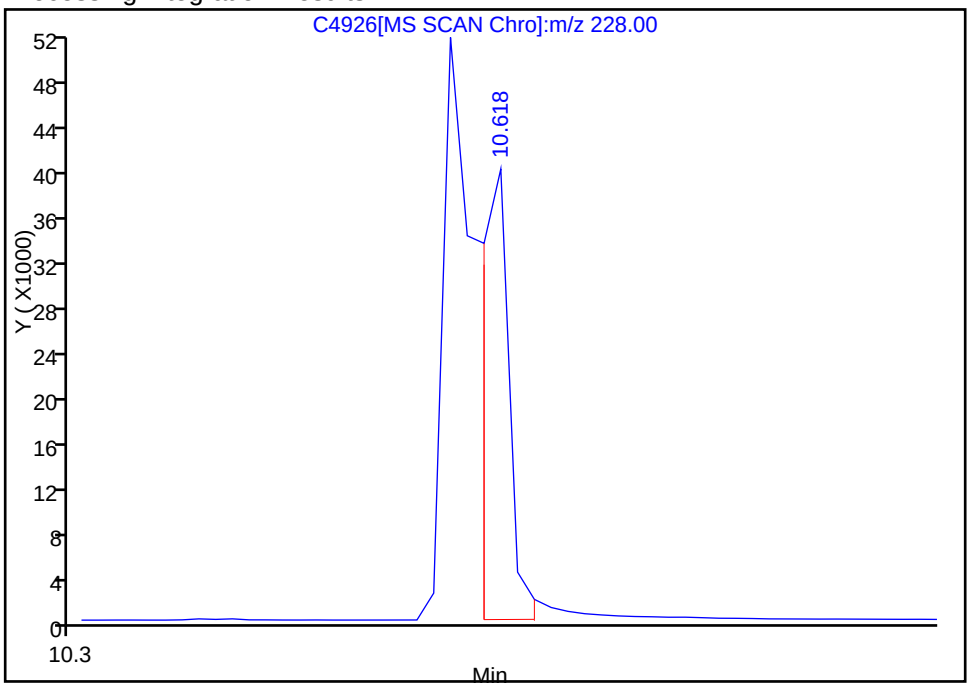
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

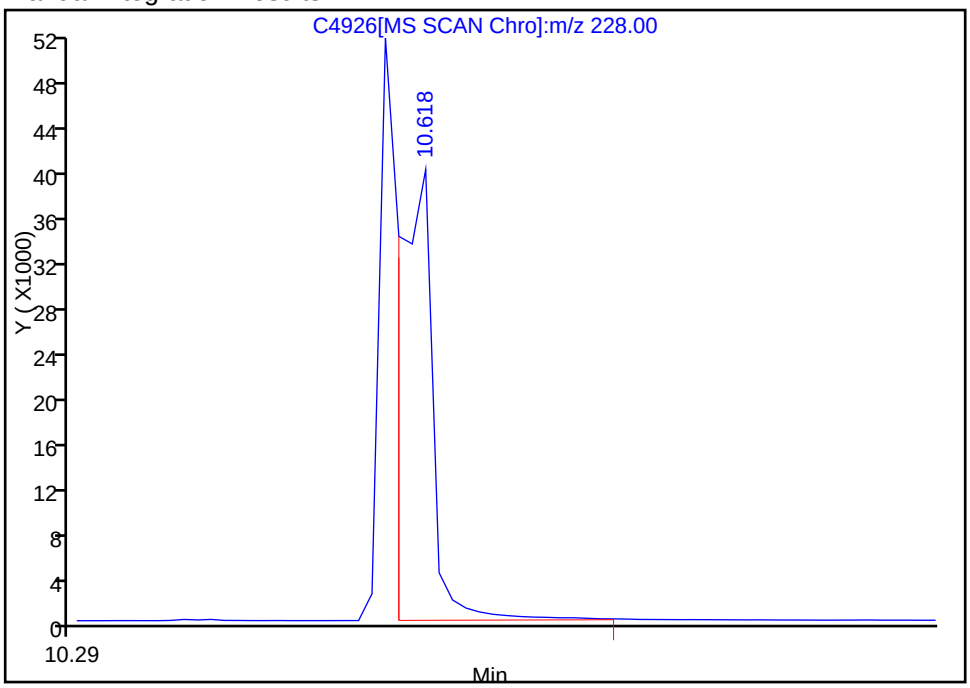
Processing Integration Results

RT: 10.62
Response: 59180
Amount: 15.767047



Manual Integration Results

RT: 10.62
Response: 87806
Amount: 22.086980



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

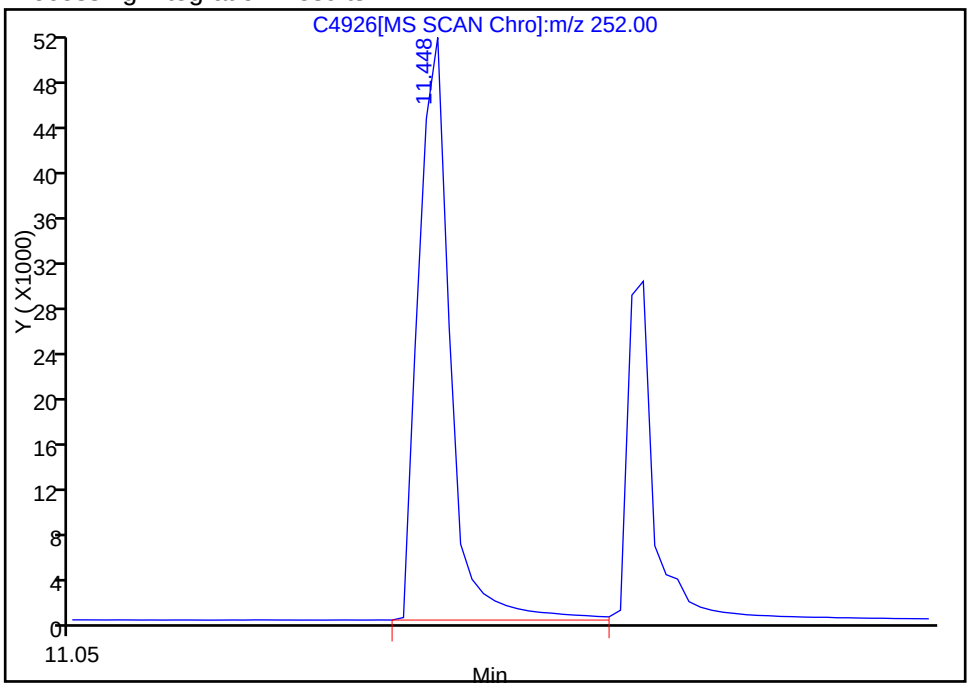
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.44

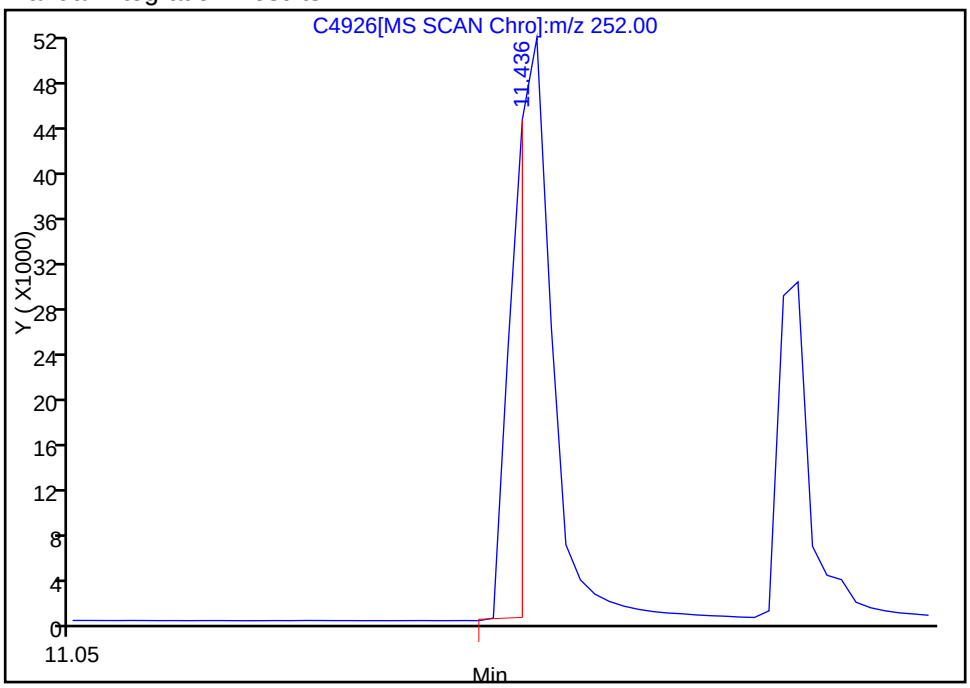
Processing Integration Results

RT: 11.45
Response: 122971
Amount: 21.058555



Manual Integration Results

RT: 11.44
Response: 49909
Amount: 16.762166



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

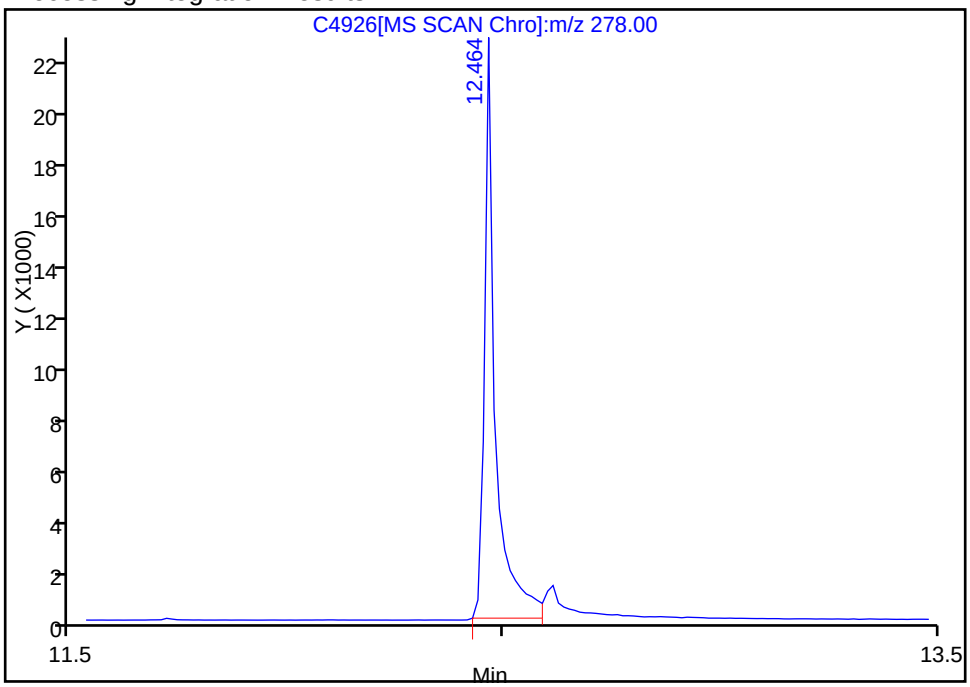
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.46

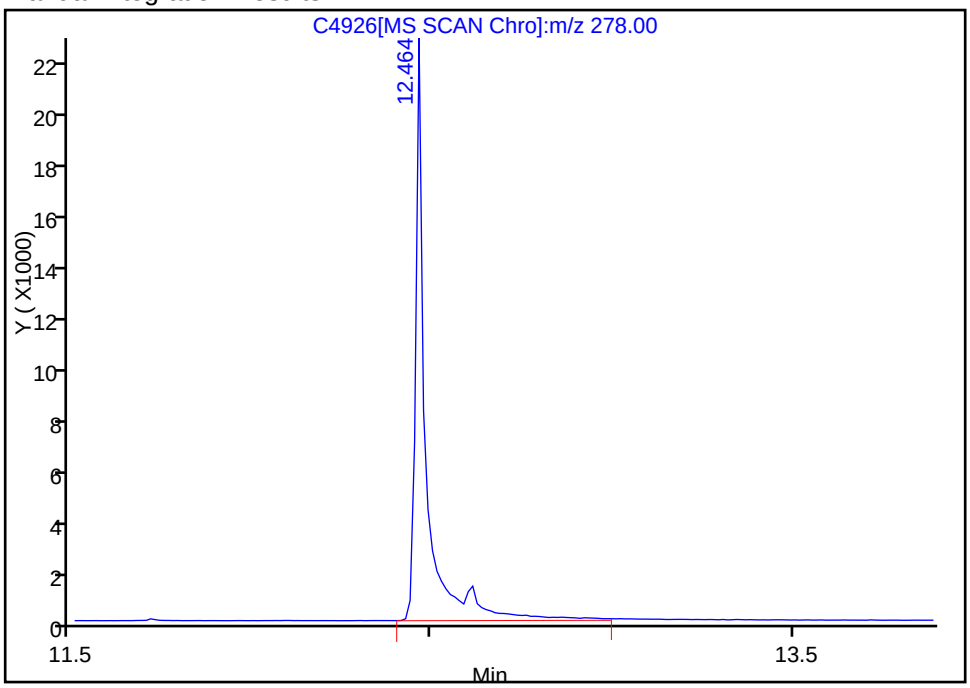
Processing Integration Results

RT: 12.46
Response: 38366
Amount: 19.736283



Manual Integration Results

RT: 12.46
Response: 45258
Amount: 20.234016



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

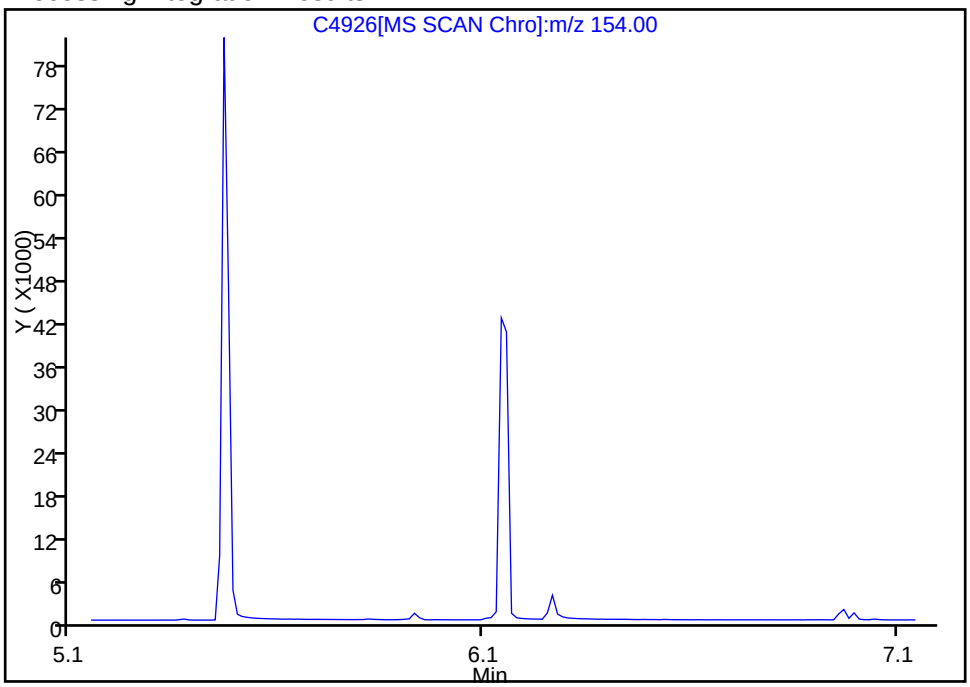
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

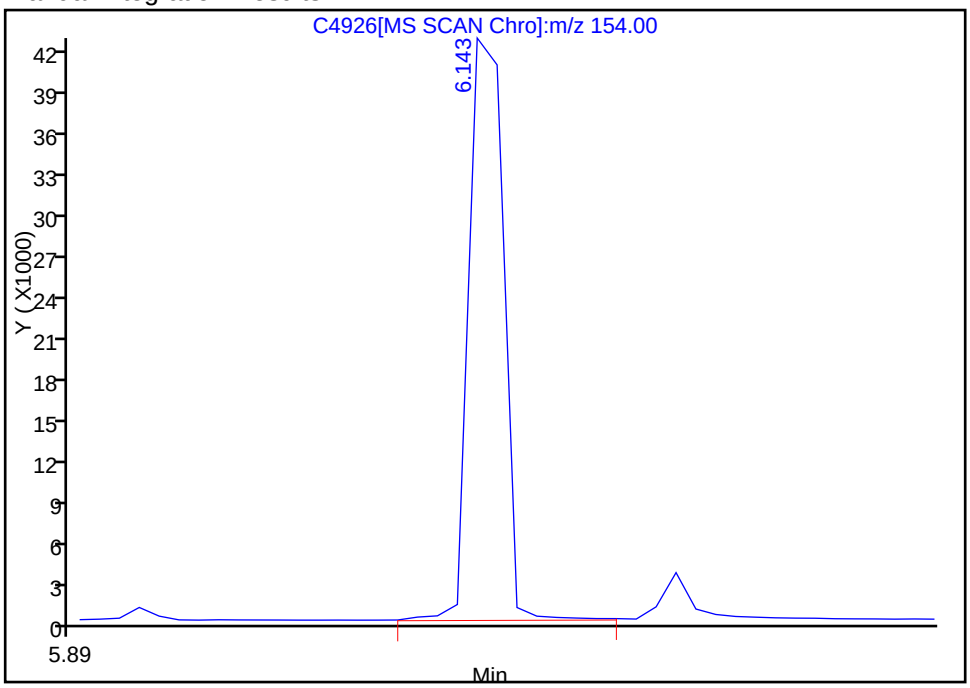
Processing Integration Results

Not Detected
Expected RT: 6.14



Manual Integration Results

RT: 6.14
Response: 64221
Amount: 20.272464



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

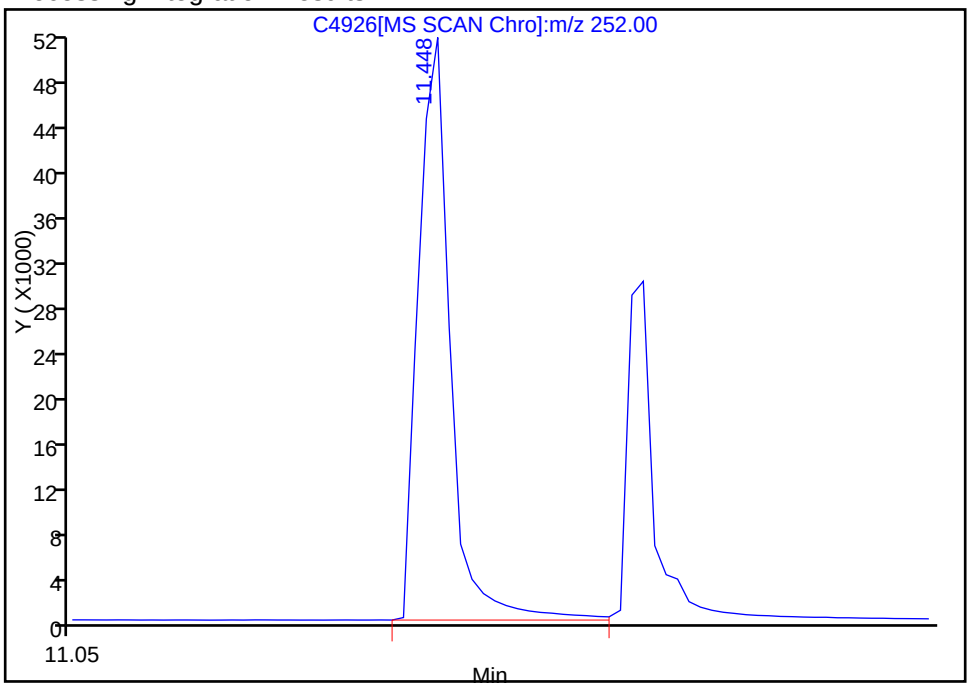
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

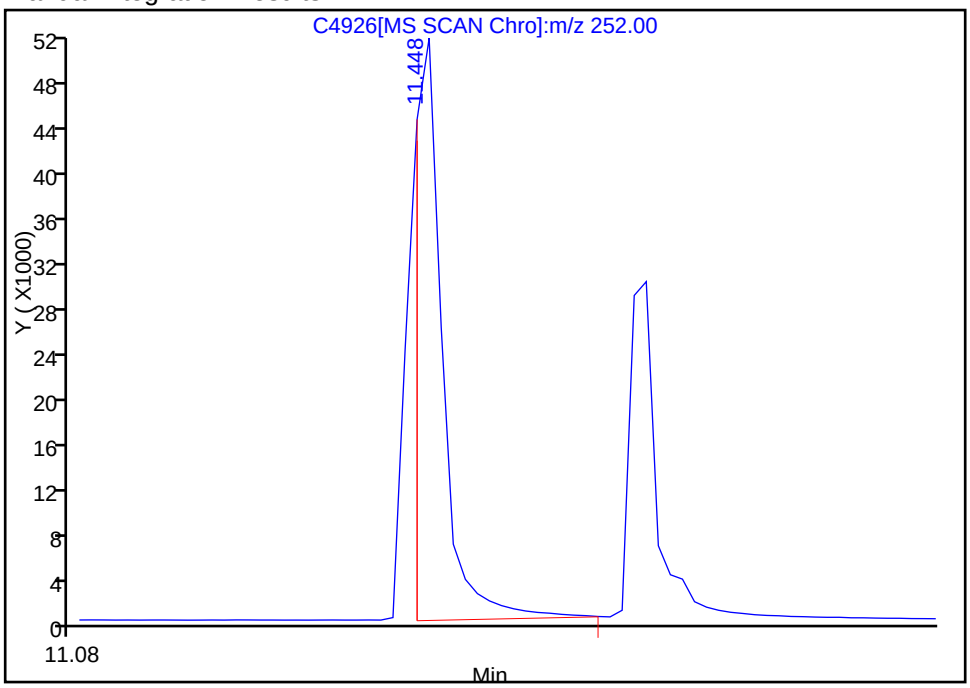
Processing Integration Results

RT: 11.45
Response: 122971
Amount: 20.611089



Manual Integration Results

RT: 11.45
Response: 103644
Amount: 25.165211



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

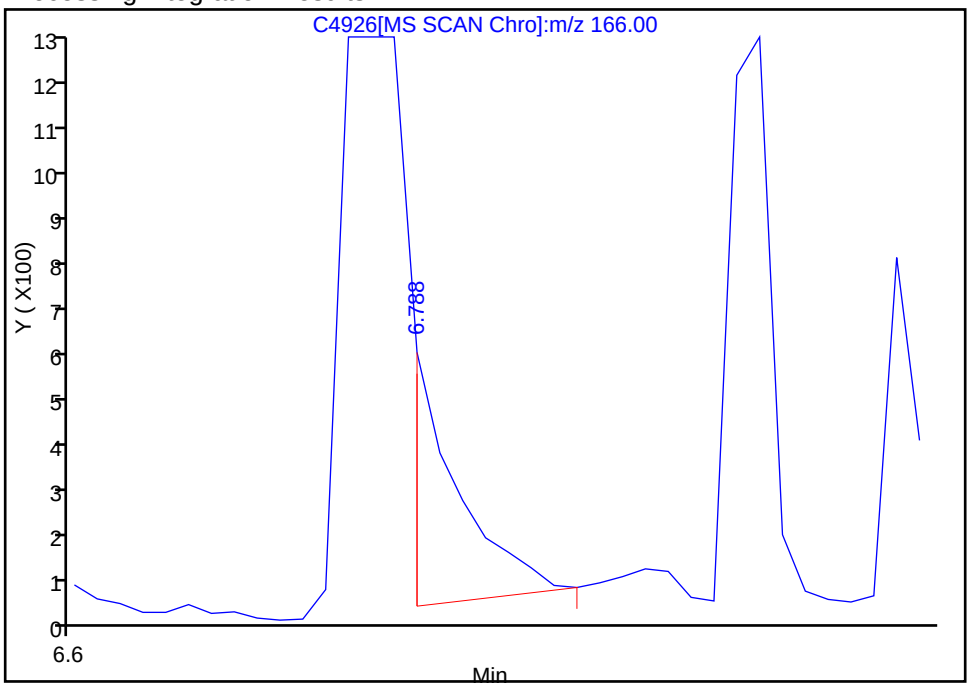
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

80 Fluorene, Signal: 1, m/z: 166.0 Type: quant, RT: 6.76

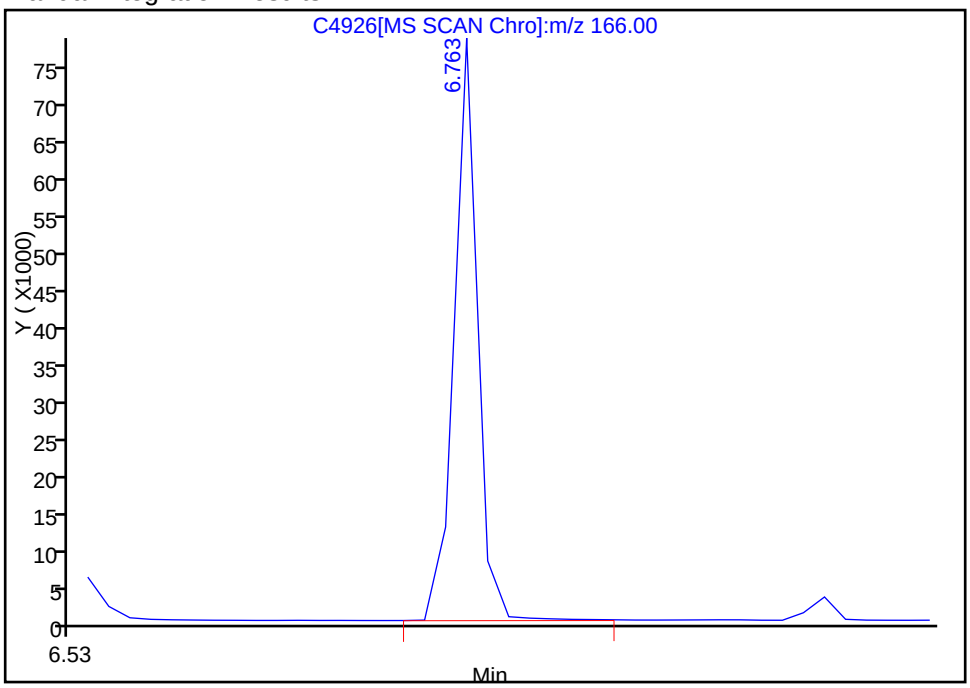
Processing Integration Results

RT: 6.79
Response: 916
Amount: 0.343391



Manual Integration Results

RT: 6.76
Response: 74995
Amount: 21.742699



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:41 Chrom Revision: 1.2 13-Jul-2011 10:43:06

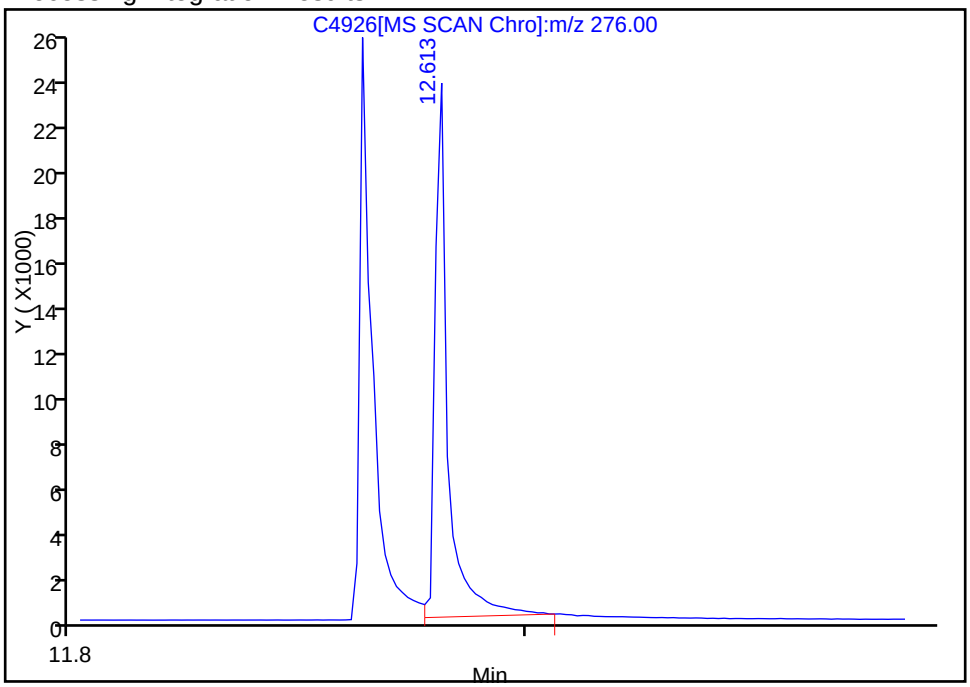
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4926.D		
Injection Date:	19-Aug-2011 12:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.61

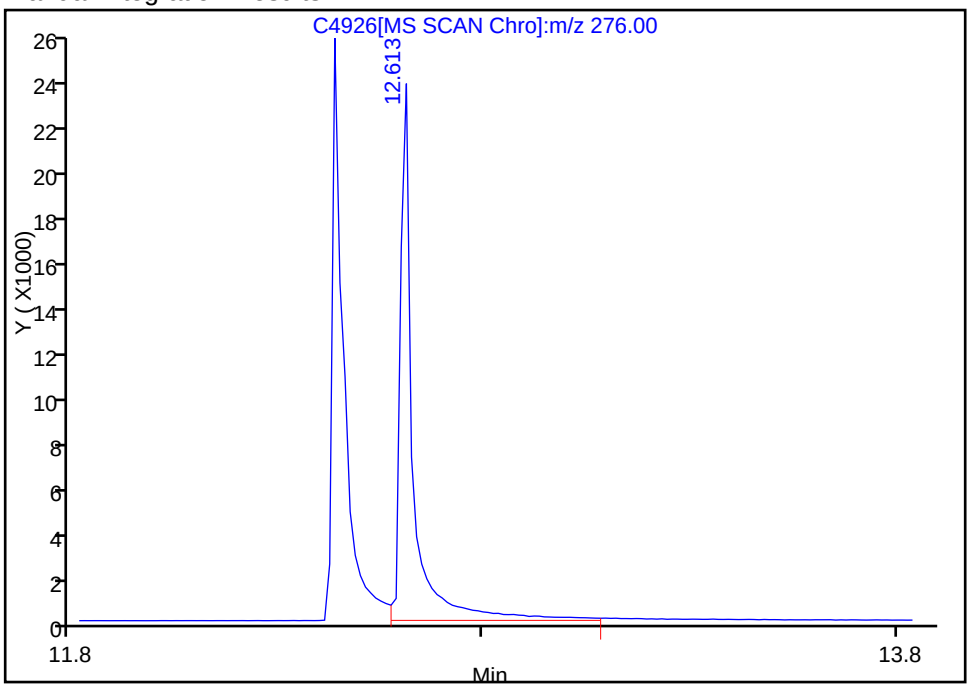
Processing Integration Results

RT: 12.61
Response: 46027
Amount: 18.760737



Manual Integration Results

RT: 12.61
Response: 51183
Amount: 20.693975



Reviewer: squiresb, 19-Aug-2011 13:51:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Lims ID:	ic 040	Client ID:	
Inject. Date:	19-Aug-2011 12:29:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	SSTD 040		
Misc. Info.:	510-0005411-008 =510-0005411-008		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	85359	Lims Sample ID:	8
Sublist:	chrom-SIM-PNAB*sub12		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 13:54:44	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 13:52:09

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.536	2.536	0.000	1	109374	40.0	70.0- 130.0	100.0	
115	2.536	2.536	0.000		60024		25.1- 85.1	54.9	
$ 49 Nitrobenzene-d5									
82	3.202	3.202	0.000	1	121283	40.1	70.0- 130.0	100.0	
128	3.202	3.202	0.000		68306		24.4- 84.4	56.3	
54	3.202	3.202	0.000		59525		18.1- 78.1	49.1	
* 57 Naphthalene-d8									
136	4.030	4.030	0.000	1	221442	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.052	4.052	0.000	0	285869	39.1	70.0- 130.0	100.0	
129	4.052	4.052	0.000		33623		0.0- 41.1	11.8	
127	4.052	4.052	0.000		36680		0.0- 42.4	12.8	
62 2-Methylnaphthalene									
142	4.890	4.890	0.000	1	175076	40.5	70.0- 130.0	100.0	
141	4.890	4.890	0.000		133541		51.2- 111.2	76.3	
115	4.890	4.890	0.000		69595		9.6- 69.6	39.8	
$ 66 2-Fluorobiphenyl									
172	5.374	5.374	0.000	1	199199	40.1			
71 Acenaphthylene									
152	5.945	5.945	0.000	1	249313	39.5	70.0- 130.0	100.0	
151	5.945	5.945	0.000		48317		0.0- 49.5	19.4	
* 73 Acenaphthene-d10									
164	6.118	6.118	0.000	1	102783	40.0	70.0- 130.0	100.0	
162	6.118	6.118	0.000		93178		60.5- 120.5	90.7	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.155	6.155	0.000	0	141516	40.3	70.0- 130.0	100.0	M
152	0.0	6.155	-6.155		0		25.6- 85.6		
153	0.0	6.155	-6.155		0		77.5- 137.5		
80 Fluorene									
166	6.775	6.775	0.000	7	167991	43.9	70.0- 130.0	100.0	
165	6.763	6.775	-0.012		145400		58.7- 118.7	86.6	
* 90 Phenanthrene-d10									
188	7.977	7.977	0.000	1	147039	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.002	8.002	0.000	1	209888	40.8	70.0- 130.0	100.0	
179	8.002	8.002	0.000		35214		0.0- 45.5	16.8	
92 Anthracene									
178	8.076	8.076	0.000	1	223885	43.0	70.0- 130.0	100.0	
179	8.076	8.076	0.000		37715		0.0- 44.6	16.8	
95 Fluoranthene									
202	9.303	9.303	0.000	3	185774	36.8	70.0- 130.0	100.0	
101	9.303	9.303	0.000		33017		0.0- 43.7	17.8	
203	9.303	9.303	0.000		36166		0.0- 47.7	19.5	
97 Pyrene									
202	9.514	9.514	0.000	17	214757	49.9	70.0- 130.0	100.0	
101	9.502	9.514	-0.012		34767		0.0- 47.5	16.2	
$ 98 Terphenyl-d14									
244	9.725	9.725	0.000	1	77354	45.8	70.0- 130.0	100.0	
122	9.725	9.725	0.000		20251		0.0- 51.2	26.2	
101 Benzo[a]anthracene									
228	10.592	10.592	0.000	1	161367	46.3	70.0- 130.0	100.0	
229	10.592	10.592	0.000		33377		0.0- 57.4	20.7	
226	10.592	10.592	0.000		45554		0.0- 56.2	28.2	
* 103 Chrysene-d12									
240	10.592	10.592	0.000	1	86207	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.617	10.617	0.000	1	160823	39.5	70.0- 130.0	100.0	M
226	10.617	10.617	0.000		47475		0.0- 54.2	29.5	
229	10.617	10.617	0.000		31768		0.0- 42.1	19.8	
106 Benzo[b]fluoranthene									M
252	11.435	11.435	0.000	1	149166	49.6	70.0- 130.0	100.0	M
253	11.460	11.435	0.025		64179		15.4- 75.4	43.0	
107 Benzo[k]fluoranthene									M
252	11.460	11.460	0.000	1	165667	39.8	70.0- 130.0	100.0	M
253	11.460	11.460	0.000		64179		1.9- 61.9	38.7	
108 Benzo[a]pyrene									
252	11.671	11.671	0.000	1	124803	45.7	70.0- 130.0	100.0	
253	11.671	11.671	0.000		28672		0.0- 55.1	23.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.708	11.708	0.000	1	78878	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.452	12.452	0.000	1	113502	41.5	70.0- 130.0	100.0	
138	12.439	12.452	-0.013		40799		5.1- 65.1	35.9	
111 Dibenz(a,h)anthracene									M
278	12.464	12.464	0.000	1	100571	44.3	70.0- 130.0	100.0	M
139	12.452	12.464	-0.012		18925		0.0- 48.5	18.8	
24 Benzo[g,h,i]perylene									M
276	12.613	12.613	0.000	1	106798	42.7	70.0- 130.0	100.0	M
138	12.600	12.613	-0.013		30441		0.0- 54.9	28.5	

QC Flag Legend

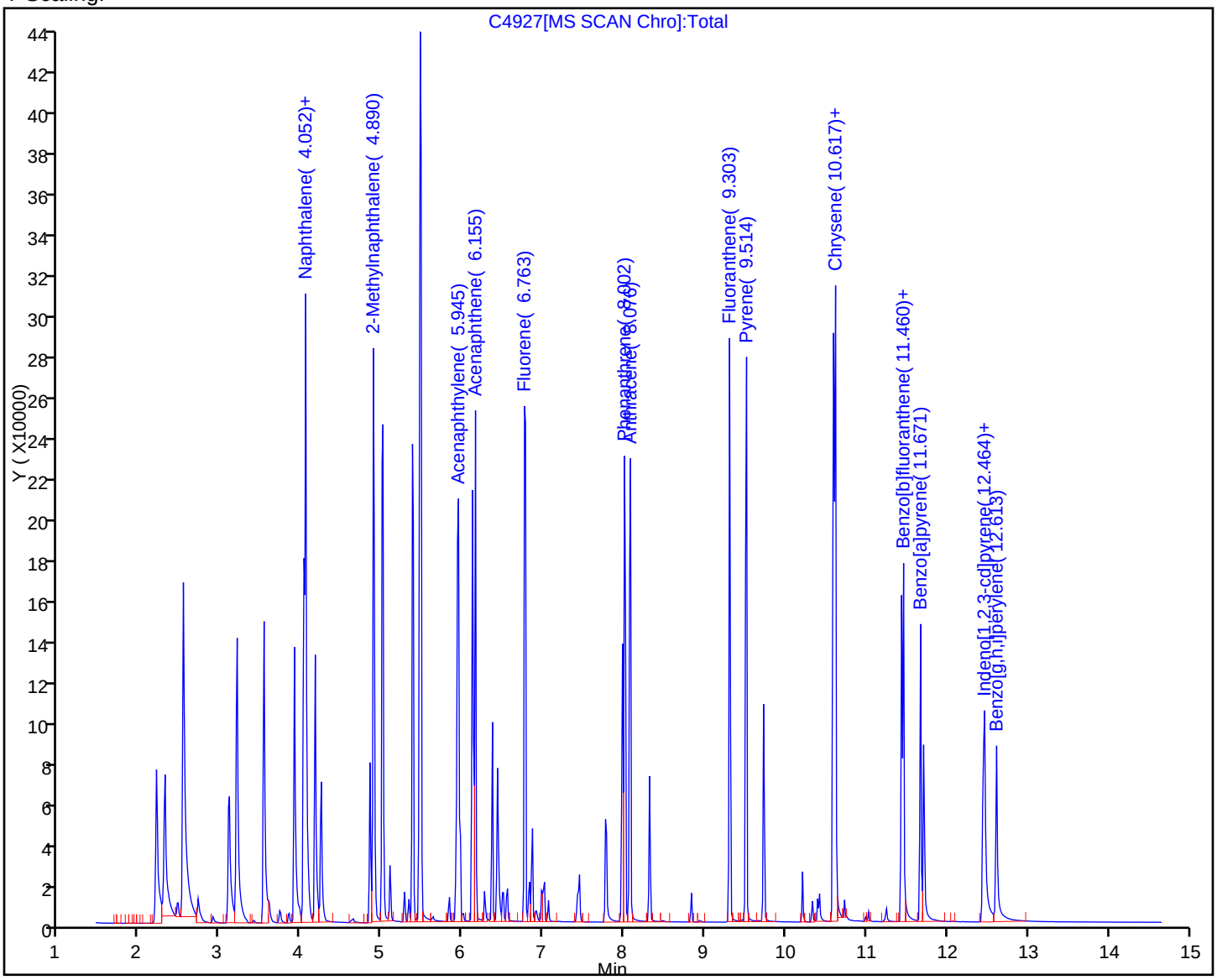
Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D

Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

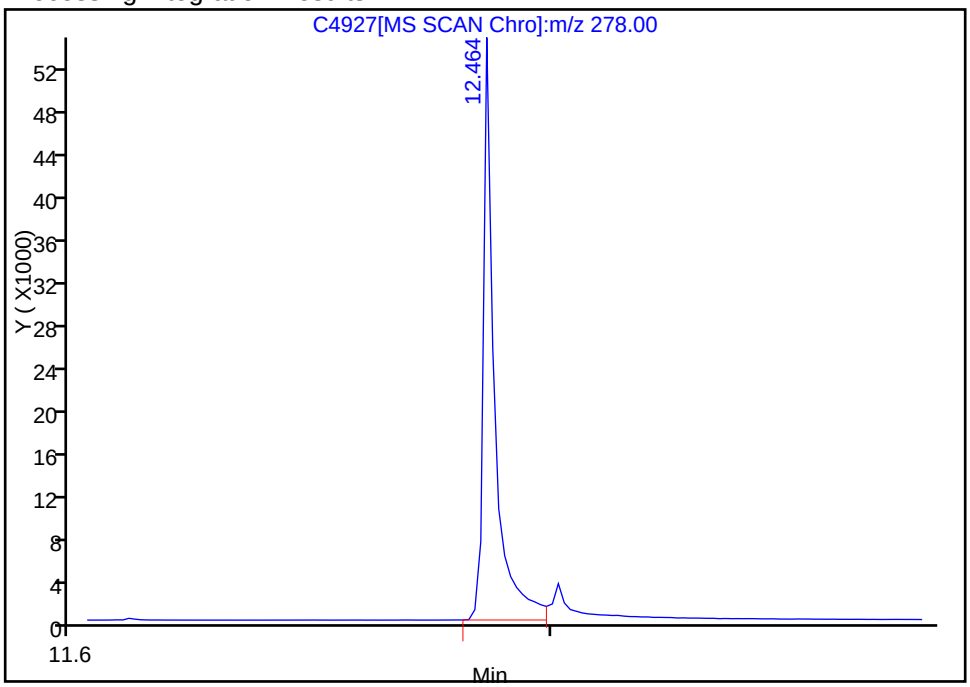
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.46

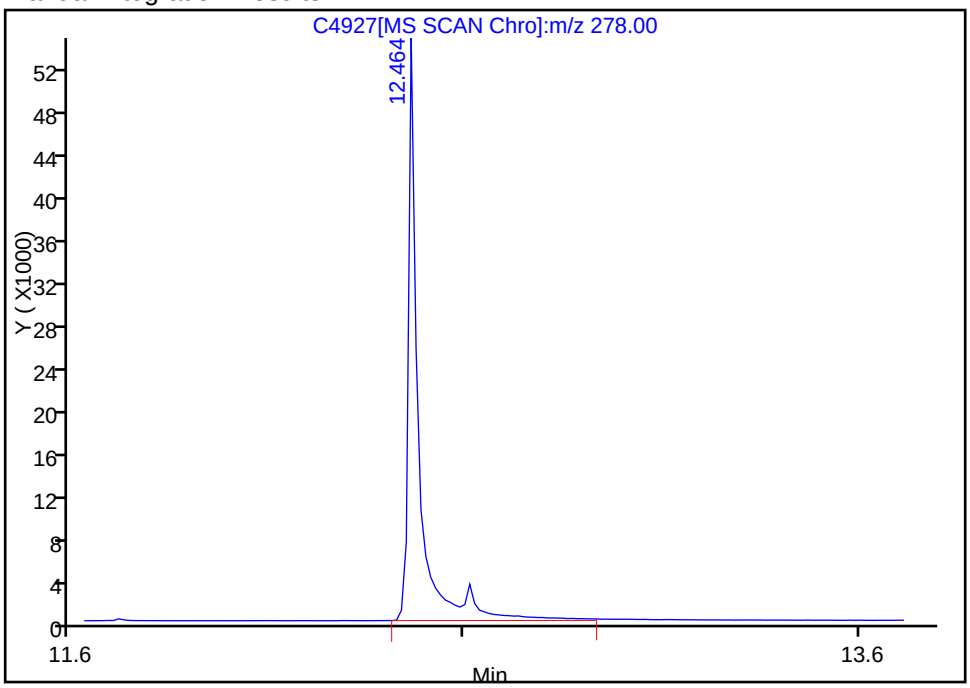
Processing Integration Results

RT: 12.46
Response: 89247
Amount: 40.710461



Manual Integration Results

RT: 12.46
Response: 100571
Amount: 44.262415



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

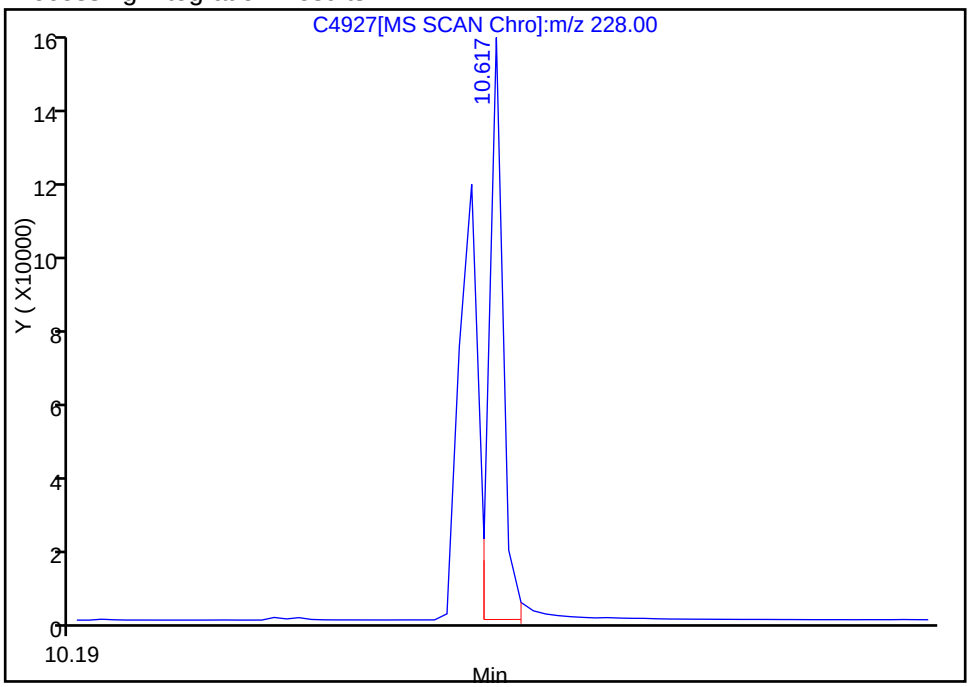
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

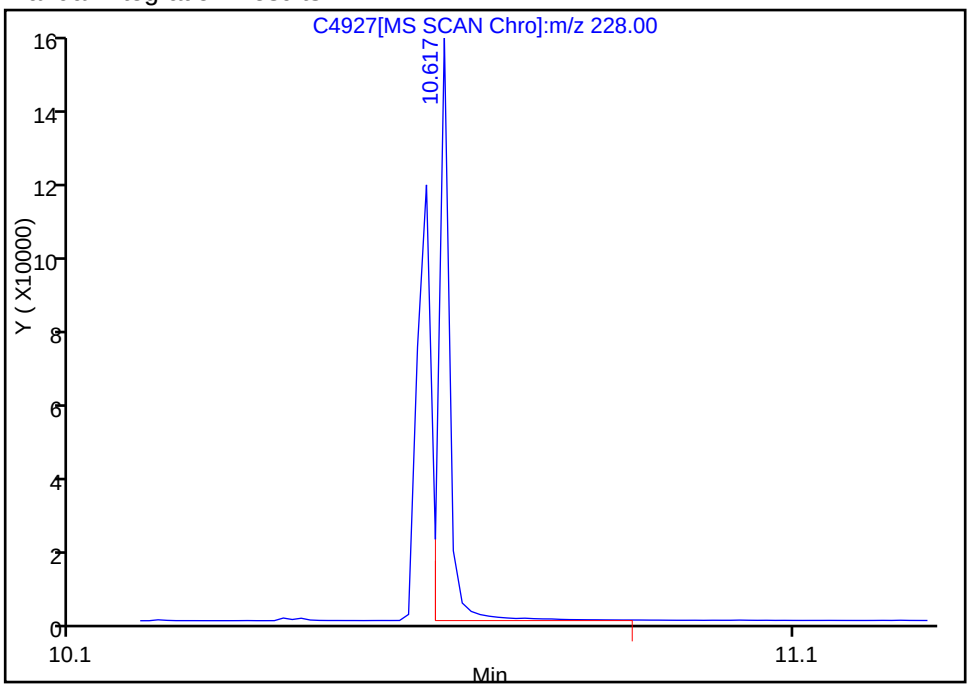
Processing Integration Results

RT: 10.62
Response: 151855
Amount: 37.701619



Manual Integration Results

RT: 10.62
Response: 160823
Amount: 39.494715



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

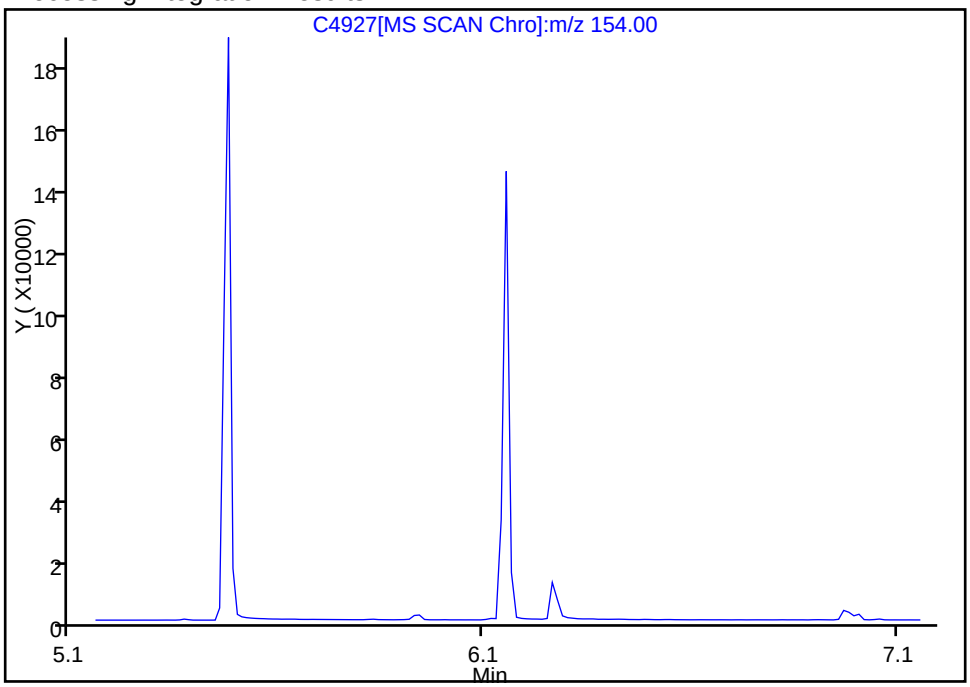
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.16

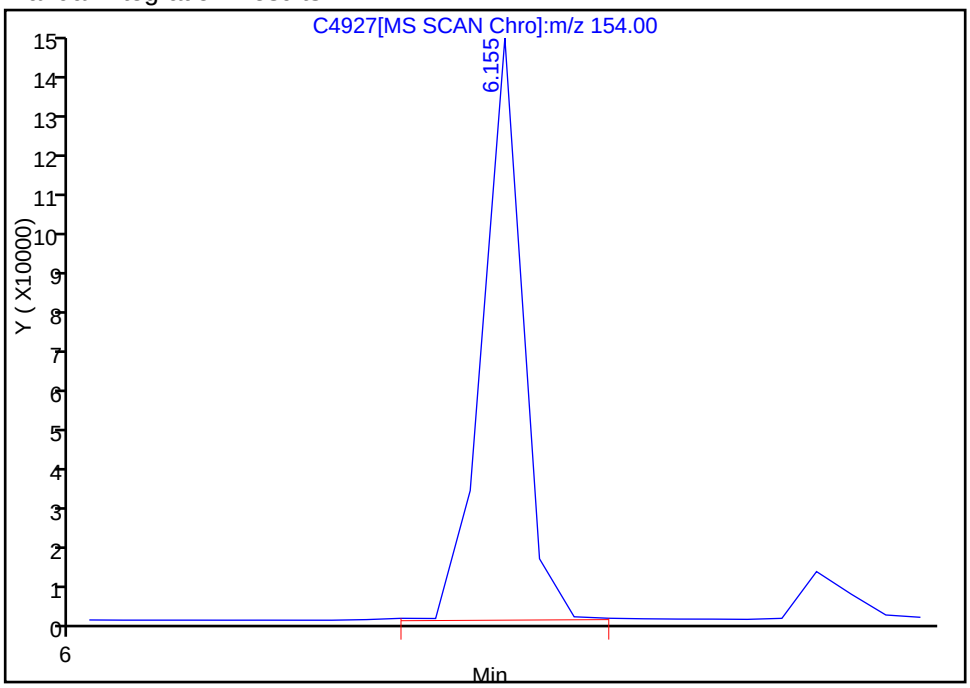
Not Detected
Expected RT: 6.16

Processing Integration Results



Manual Integration Results

RT: 6.16
Response: 141516
Amount: 40.268785



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

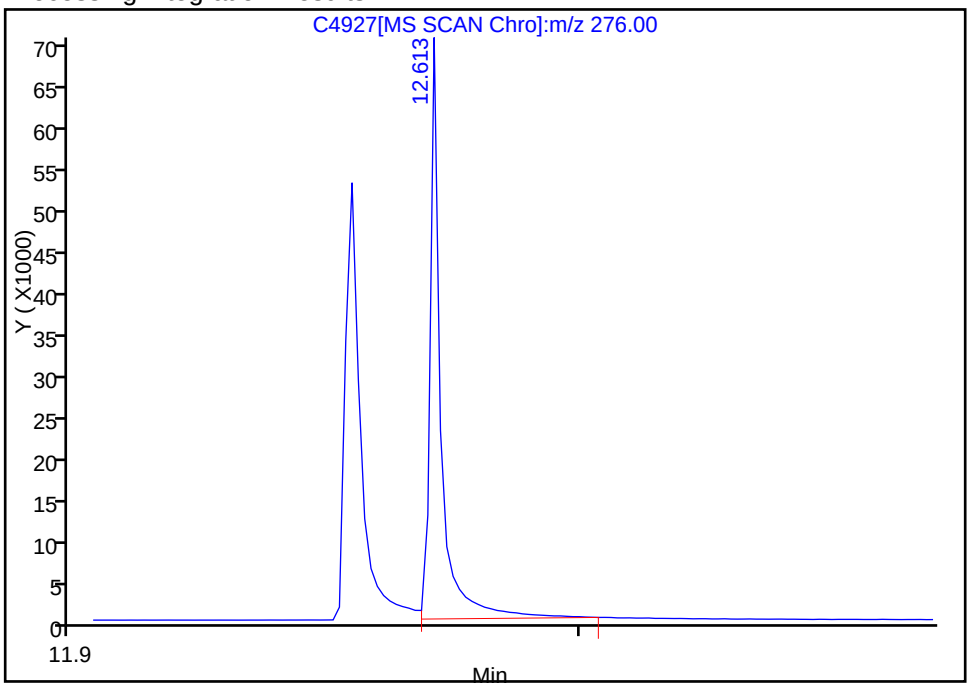
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.61

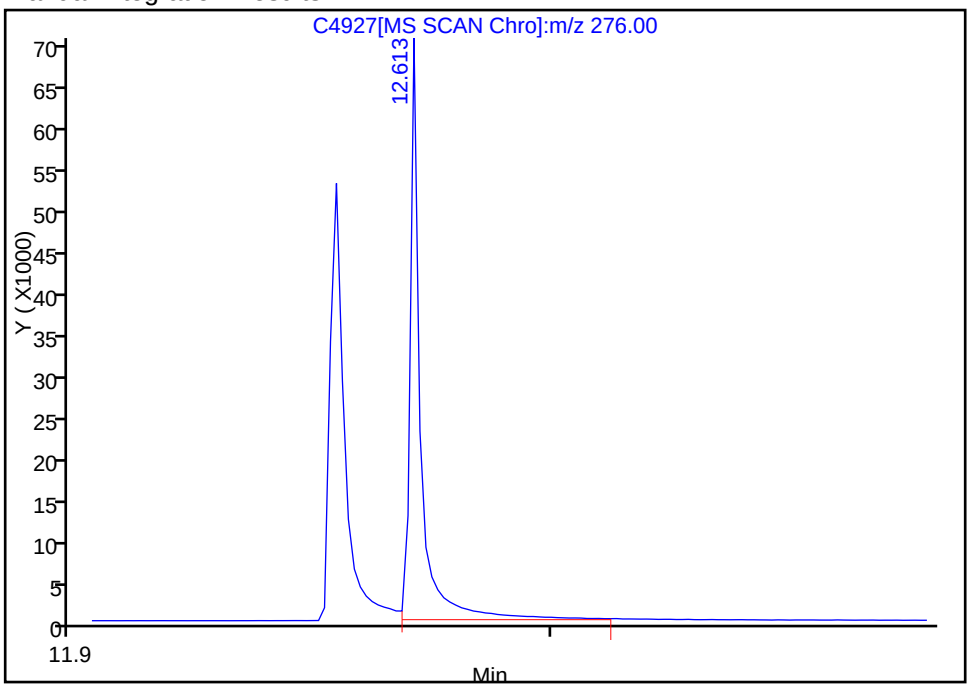
Processing Integration Results

RT: 12.61
Response: 103819
Amount: 41.340435



Manual Integration Results

RT: 12.61
Response: 106798
Amount: 42.737547



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

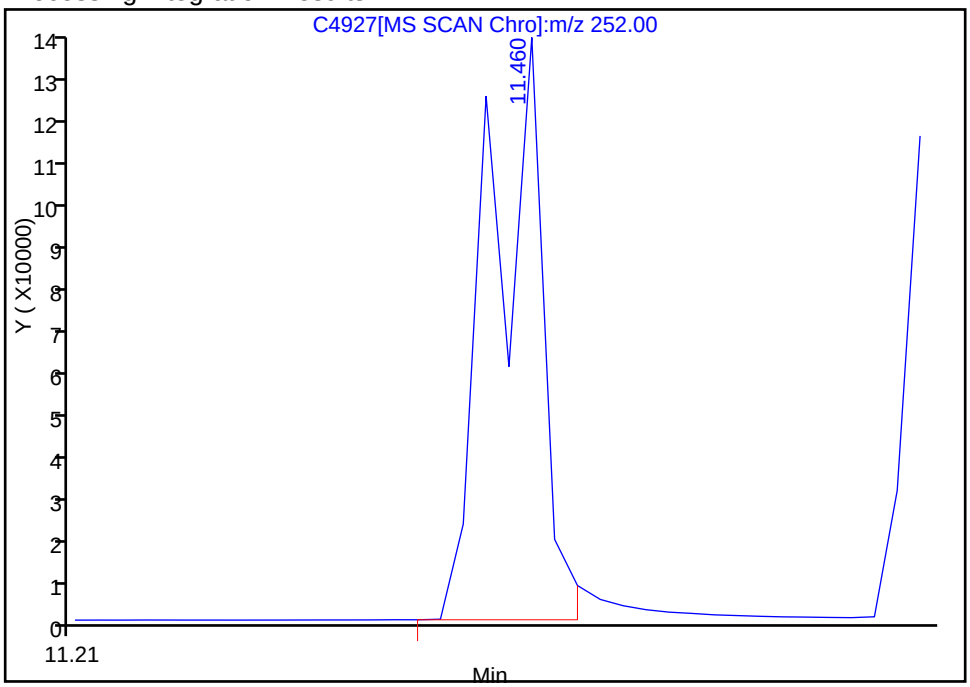
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.46

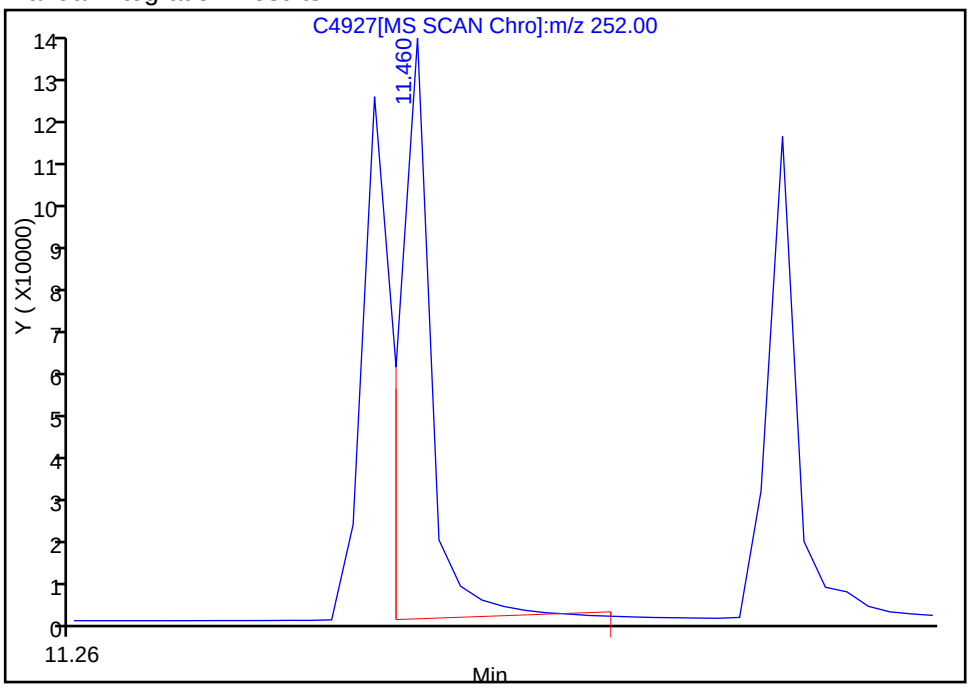
Processing Integration Results

RT: 11.46
Response: 269267
Amount: 44.356621



Manual Integration Results

RT: 11.46
Response: 165667
Amount: 39.812615



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:44 Chrom Revision: 1.2 13-Jul-2011 10:43:06

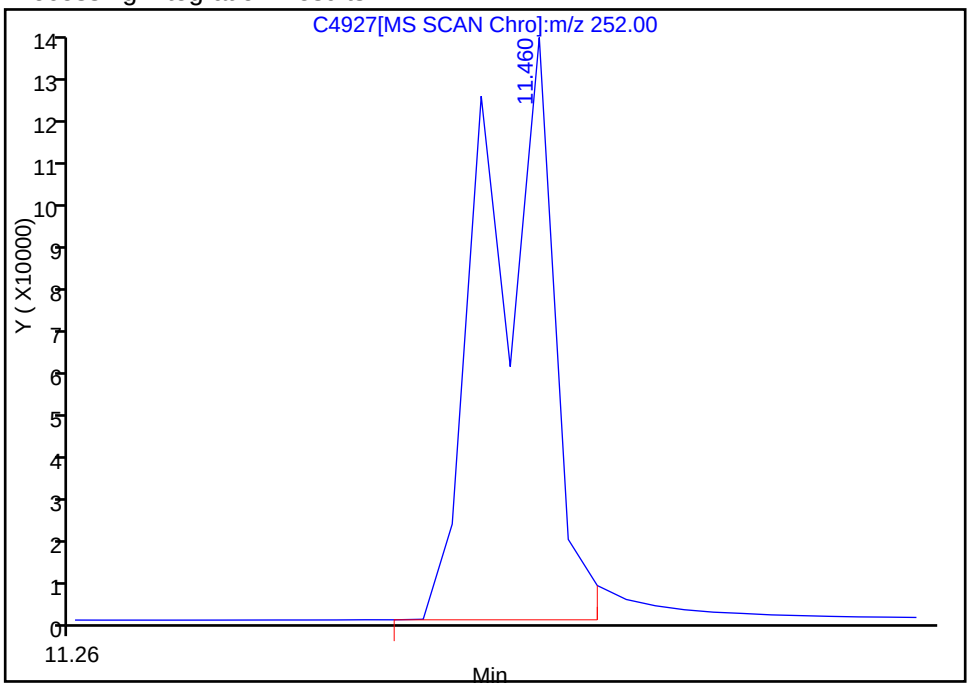
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4927.D		
Injection Date:	19-Aug-2011 12:29:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.44

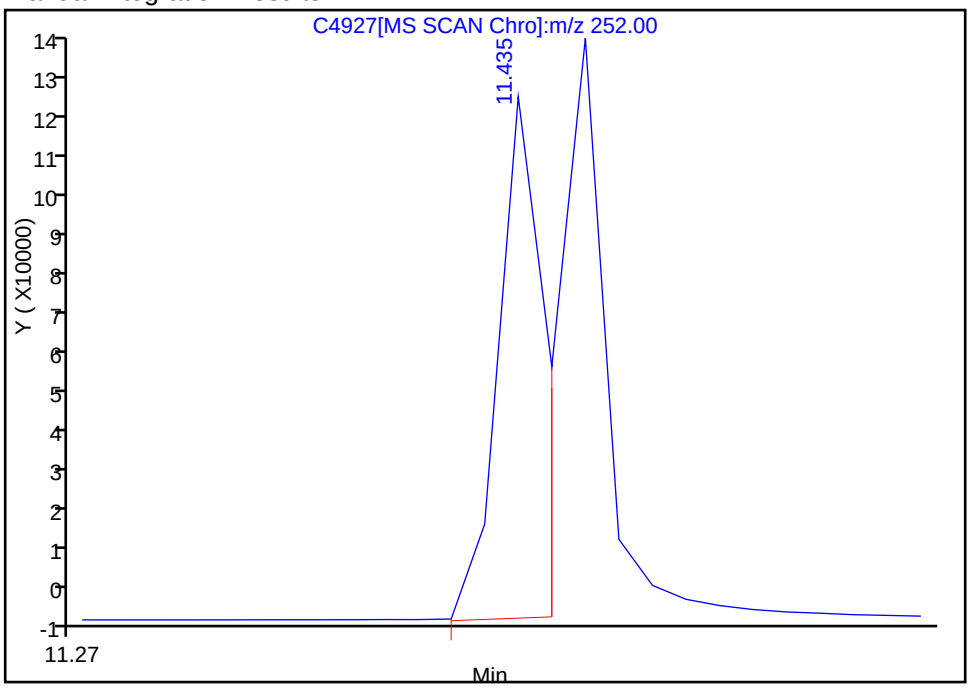
Processing Integration Results

RT: 11.46
Response: 269267
Amount: 74.224939



Manual Integration Results

RT: 11.44
Response: 149166
Amount: 49.584896



Reviewer: squiresb, 19-Aug-2011 13:52:09
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Lims ID: ic 080 Client ID:
Inject. Date: 19-Aug-2011 12:50:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: SSTD 080
Misc. Info.: 510-0005411-009 =510-0005411-009
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 9
Lims Batch ID: 85359 Lims Sample ID: 9
Sublist: chrom-SIM-PNAB*sub12
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m
Last Update: 19-Aug-2011 13:54:46 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 19-Aug-2011 13:53:58

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.533	2.536	-0.003	1	105321	40.0	70.0- 130.0	100.0	
115	2.533	2.536	-0.003		58640		25.1- 85.1	55.7	
$ 49 Nitrobenzene-d5									
82	3.210	3.192	0.018	1	222488	76.7	70.0- 130.0	100.0	
128	3.210	3.192	0.018		127393		24.4- 84.4	57.3	
54	3.210	3.192	0.018		110873		18.1- 78.1	49.8	
* 57 Naphthalene-d8									
136	4.027	4.019	0.008	1	212315	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	4.059	4.052	0.007	0	513469	73.2	70.0- 130.0	100.0	
129	4.059	4.052	0.007		63961		0.0- 41.1	12.5	
127	4.059	4.052	0.007		68613		0.0- 42.4	13.4	
62 2-Methylnaphthalene									
142	4.898	4.890	0.008	1	317115	76.6	70.0- 130.0	100.0	
141	4.898	4.890	0.008		234539		51.2- 111.2	74.0	
115	4.898	4.890	0.008		132186		9.6- 69.6	41.7	
$ 66 2-Fluorobiphenyl									
172	5.382	5.374	0.008	1	358149	65.4			
71 Acenaphthylene									M
152	5.944	5.933	0.011	1	403024	57.9	70.0- 130.0	100.0	M
151	5.382	5.933	-0.551		22033		0.0- 49.5	5.5	
* 73 Acenaphthene-d10									
164	5.479	6.118	-0.639	1	113394	40.0	70.0- 130.0	100.0	
162	5.468	6.118	-0.650		305192		60.5- 120.5	269.1	

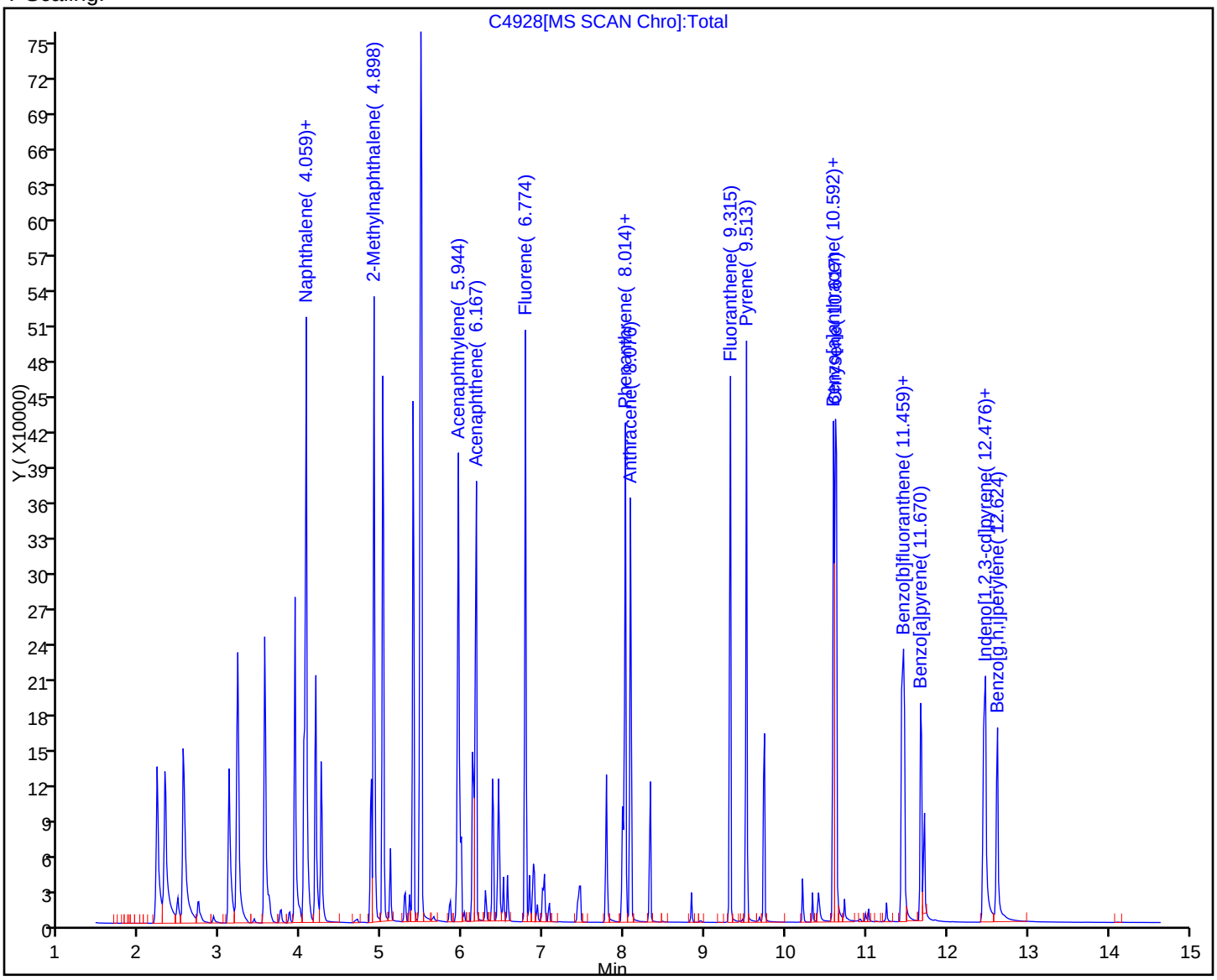
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.167	6.143	0.024	0	271459	70.0	70.0- 130.0	100.0	M
152	5.490	6.143	-0.653		101448		25.6- 85.6	37.4	
153	5.490	6.143	-0.653		141866		77.5- 137.5	52.3	
80 Fluorene									M
166	6.774	6.763	0.011	1	250378	59.3	70.0- 130.0	100.0	M
165	6.117	6.763	-0.646		12558		58.7- 118.7	5.0	
* 90 Phenanthrene-d10									
188	7.977	7.978	-0.001	1	123612	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	8.014	8.002	0.012	1	330768	76.4	70.0- 130.0	100.0	
179	8.014	8.002	0.012		57262		0.0- 45.5	17.3	
92 Anthracene									
178	8.076	8.064	0.012	1	330387	75.4	70.0- 130.0	100.0	
179	8.076	8.064	0.012		57471		0.0- 44.6	17.4	
95 Fluoranthene									
202	9.315	9.304	0.011	1	341316	80.5	70.0- 130.0	100.0	
101	9.303	9.304	-0.001		44185		0.0- 43.7	12.9	
203	9.315	9.304	0.011		69090		0.0- 47.7	20.2	
97 Pyrene									
202	9.513	9.502	0.011	19	298988	63.1	70.0- 130.0	100.0	
101	9.513	9.502	0.011		63118		0.0- 47.5	21.1	
$ 98 Terphenyl-d14									
244	9.737	9.725	0.012	1	143422	77.0	70.0- 130.0	100.0	
122	9.724	9.725	-0.001		30689		0.0- 51.2	21.4	
101 Benzo[a]anthracene									
228	10.592	10.580	0.012	1	263668	68.6	70.0- 130.0	100.0	
229	10.592	10.580	0.012		57069		0.0- 57.4	21.6	
226	10.592	10.580	0.012		74165		0.0- 56.2	28.1	
* 103 Chrysene-d12									
240	10.604	10.593	0.011	1	94989	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.629	10.618	0.011	1	328528	73.2	70.0- 130.0	100.0	M
226	10.629	10.618	0.011		95247		0.0- 54.2	29.0	
229	10.629	10.618	0.011		69760		0.0- 42.1	21.2	
106 Benzo[b]fluoranthene									M
252	11.447	11.436	0.011	1	237956	73.0	70.0- 130.0	100.0	M
253	11.447	11.436	0.011		119841		15.4- 75.4	50.4	
107 Benzo[k]fluoranthene									M
252	11.459	11.448	0.011	1	387032	85.9	70.0- 130.0	100.0	M
253	11.447	11.448	-0.001		119841		1.9- 61.9	31.0	
108 Benzo[a]pyrene									
252	11.670	11.671	-0.001	1	229632	77.6	70.0- 130.0	100.0	
253	11.670	11.671	-0.001		54986		0.0- 55.1	23.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	11.720	11.708	0.012	1	85420	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.451	12.440	0.011	1	237628	79.5	70.0- 130.0	100.0	
138	12.451	12.440	0.011		84344		5.1- 65.1	35.5	
111 Dibenz(a,h)anthracene									M
278	12.476	12.464	0.012	1	216812	87.9	70.0- 130.0	100.0	M
139	12.463	12.464	-0.001		44713		0.0- 48.5	20.6	
24 Benzo[g,h,i]perylene									
276	12.624	12.613	0.011	1	220481	81.5	70.0- 130.0	100.0	
138	12.612	12.613	-0.001		64132		0.0- 54.9	29.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D
Injection Date: 19-Aug-2011 12:50:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85359 Lims Sample ID: 9
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

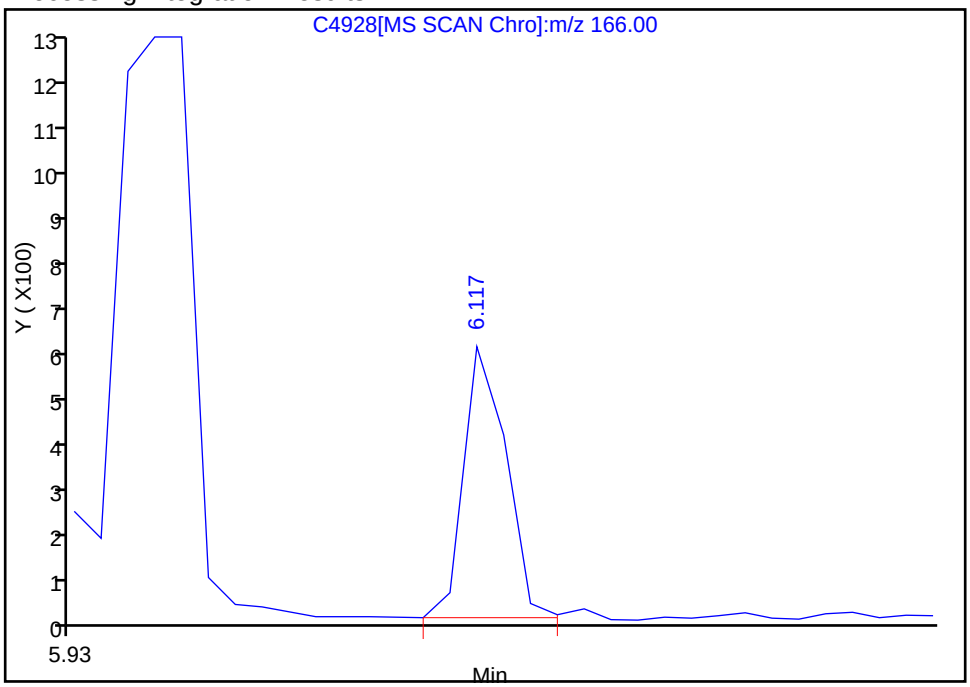
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

80 Fluorene, Signal: 1, m/z: 166.0 Type: quant, RT: 6.76

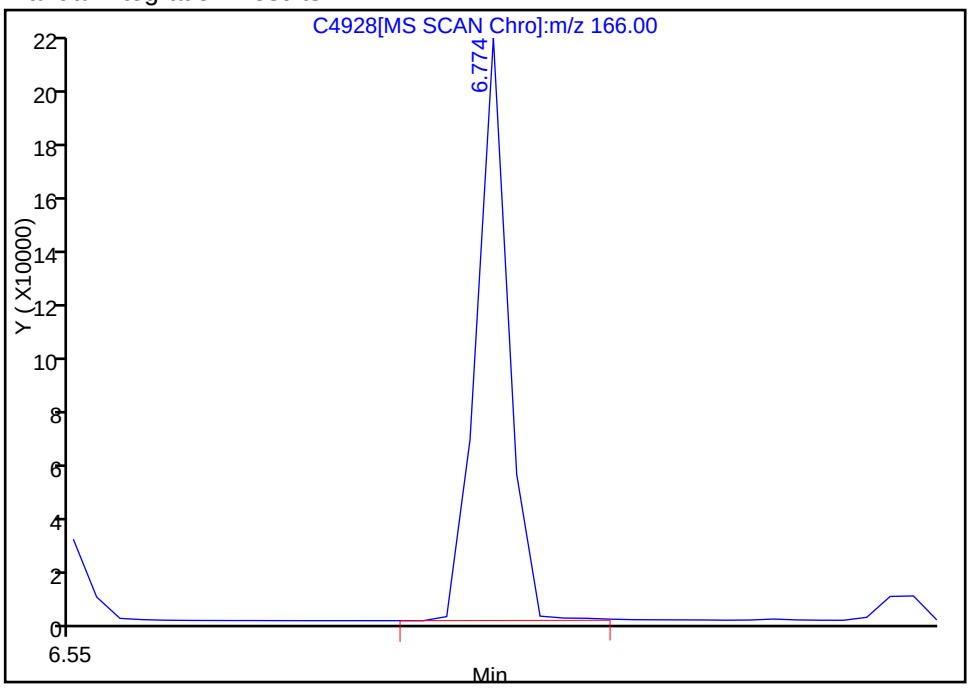
Processing Integration Results

RT: 6.12
Response: 753
Amount: 0.196537



Manual Integration Results

RT: 6.77
Response: 250378
Amount: 59.311926



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

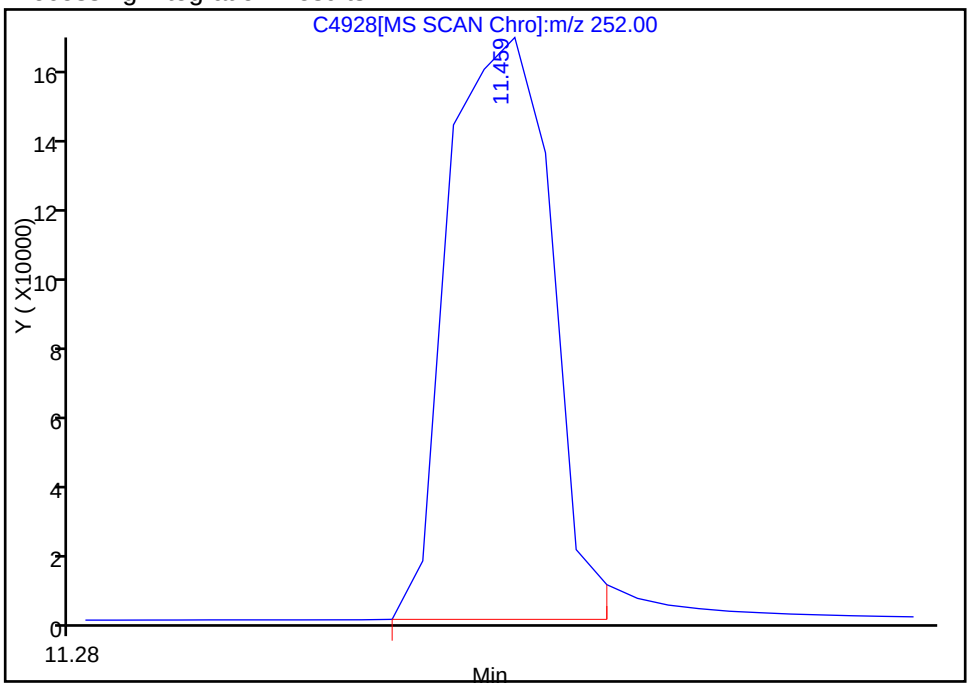
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.44

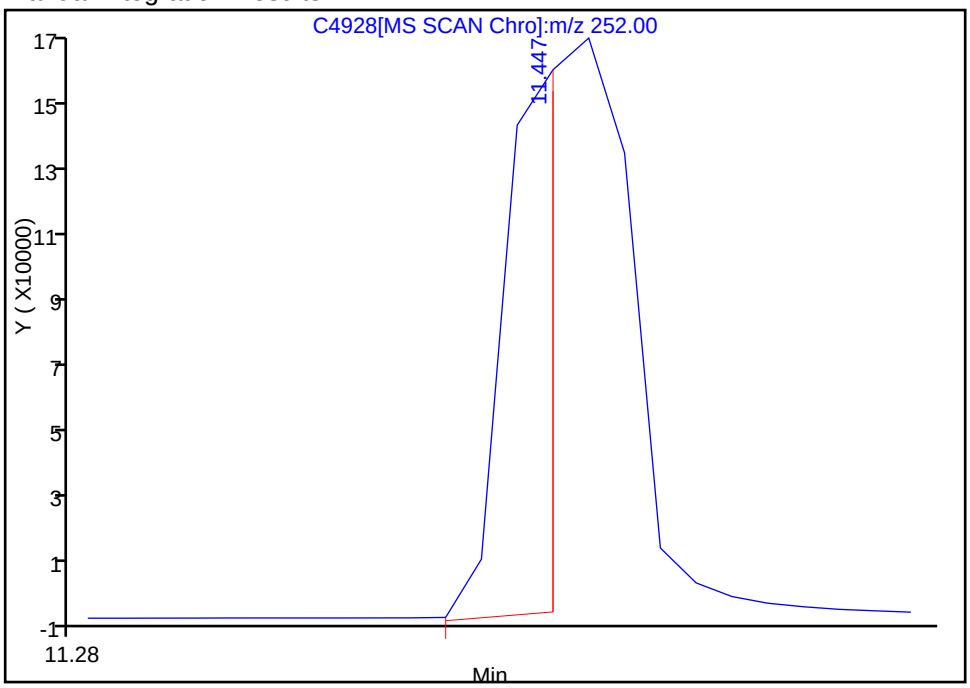
Processing Integration Results

RT: 11.46
Response: 488597
Amount: 80.038863



Manual Integration Results

RT: 11.45
Response: 237956
Amount: 73.041981



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

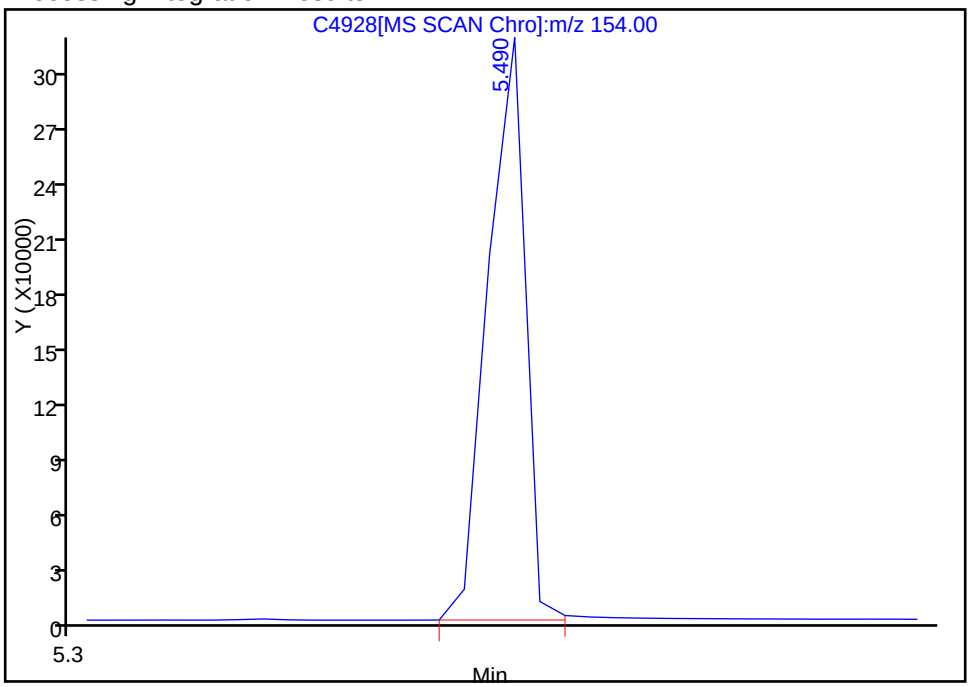
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 6.14

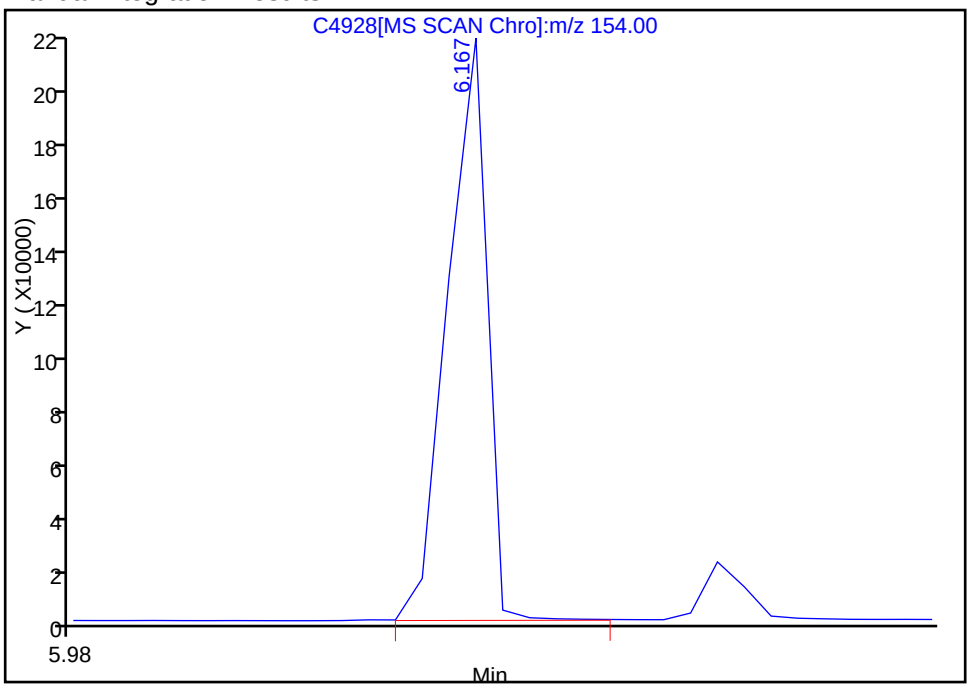
Processing Integration Results

RT: 5.49
Response: 348032
Amount: 87.079087



Manual Integration Results

RT: 6.17
Response: 271459
Amount: 70.016185



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

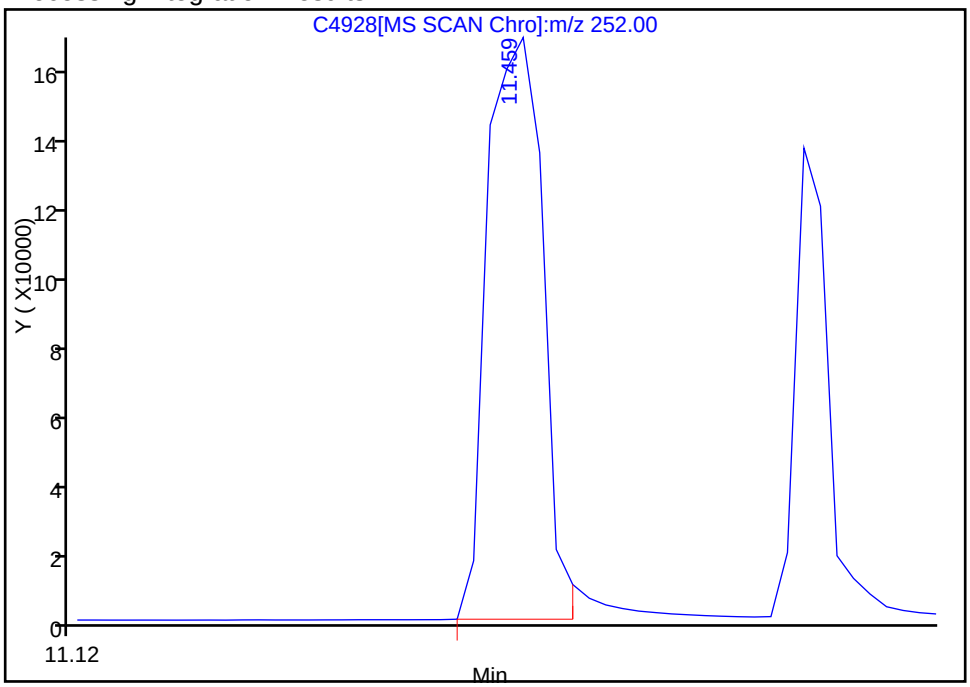
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 11.45

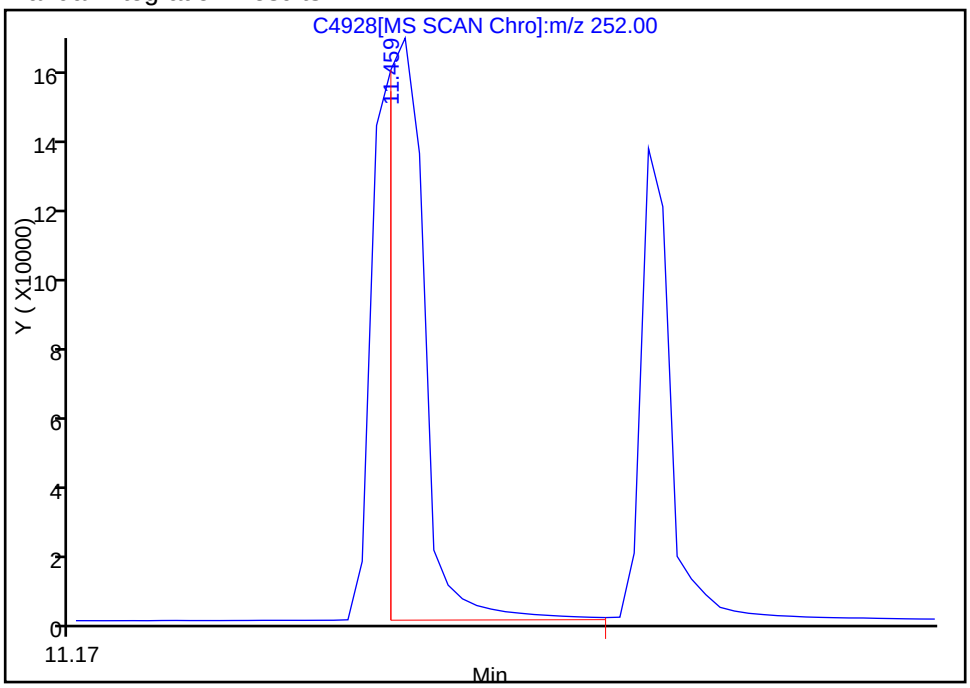
Processing Integration Results

RT: 11.46
Response: 488597
Amount: 107.7575



Manual Integration Results

RT: 11.46
Response: 387032
Amount: 85.887091



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

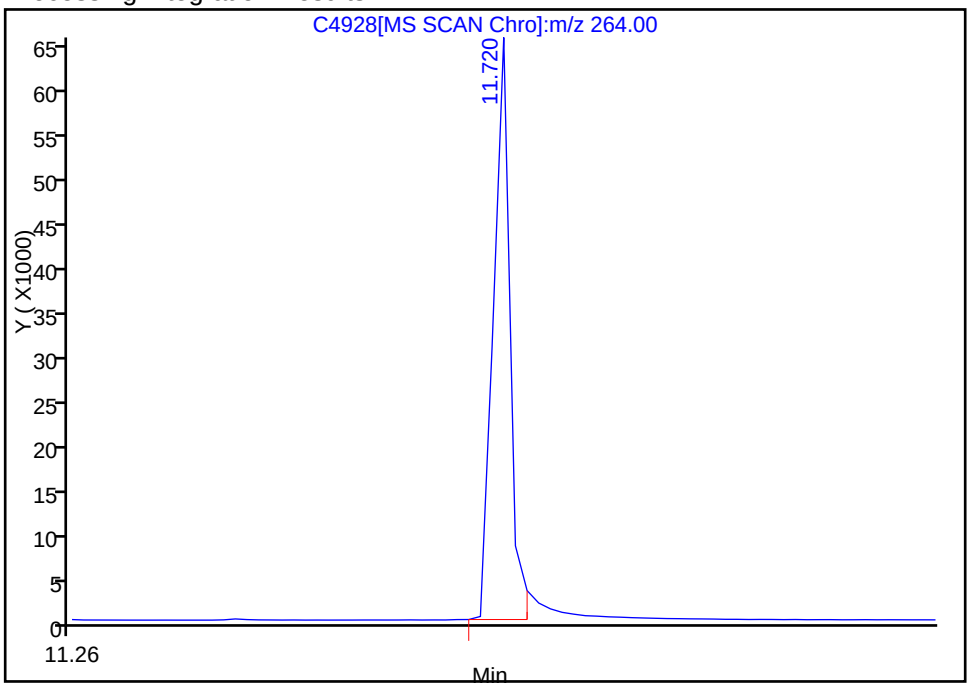
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.71

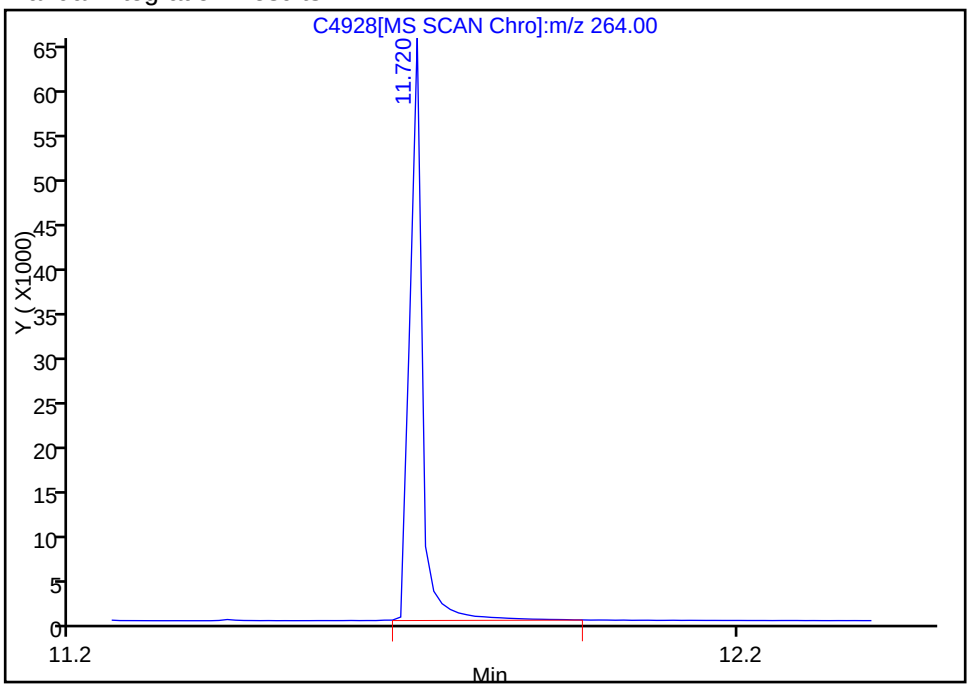
Processing Integration Results

RT: 11.72
Response: 79965
Amount: 40.000000



Manual Integration Results

RT: 11.72
Response: 85420
Amount: 40.000000



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

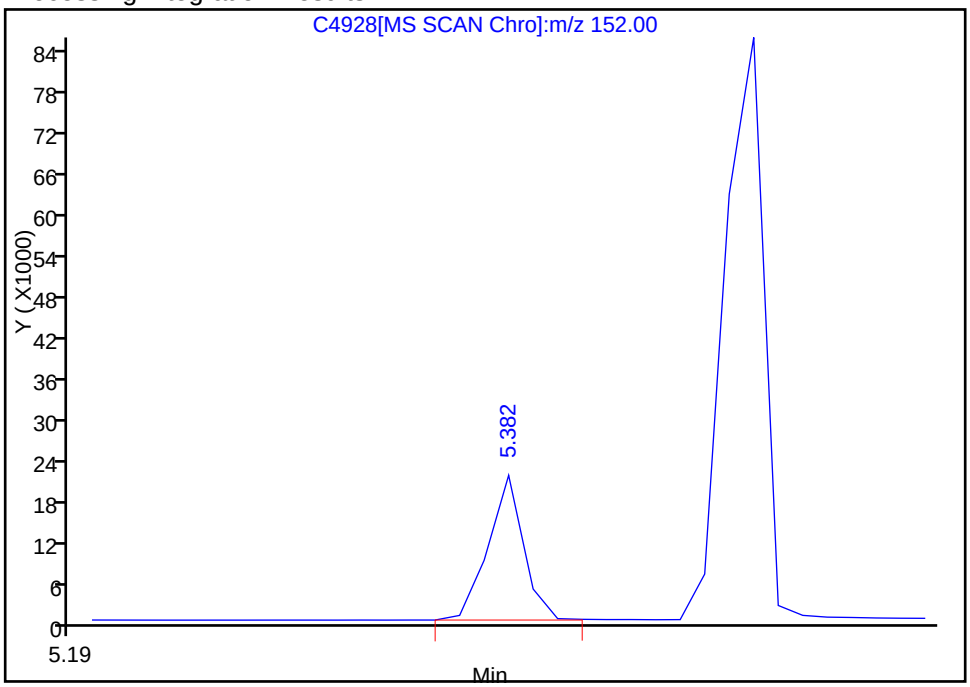
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

71 Acenaphthylene, Signal: 1, m/z: 152.0 Type: quant, RT: 5.93

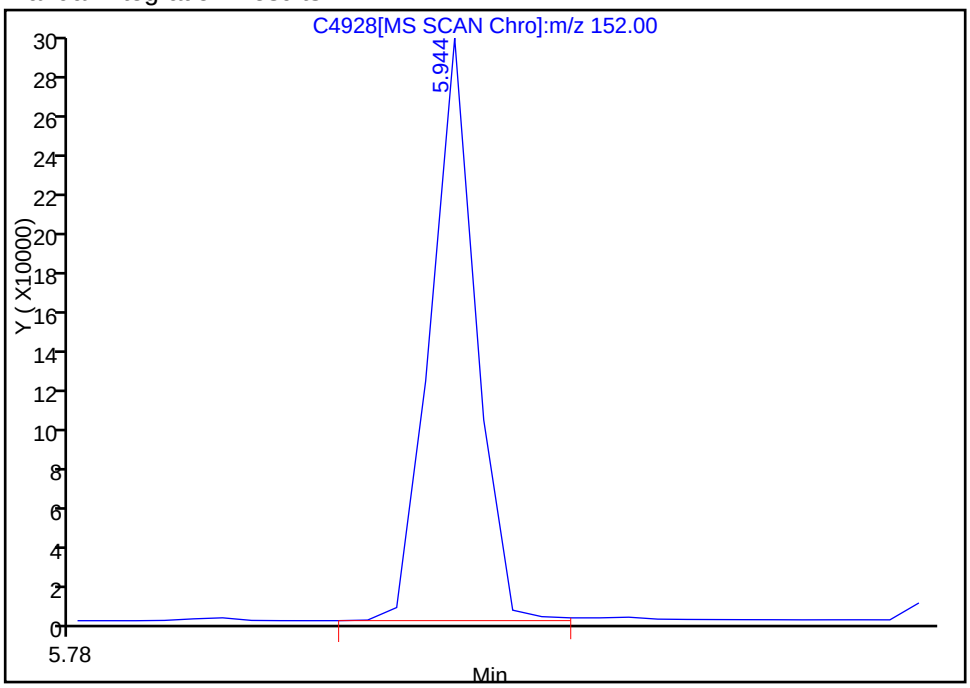
Processing Integration Results

RT: 5.38
Response: 22938
Amount: 3.602390



Manual Integration Results

RT: 5.94
Response: 403024
Amount: 57.894741



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

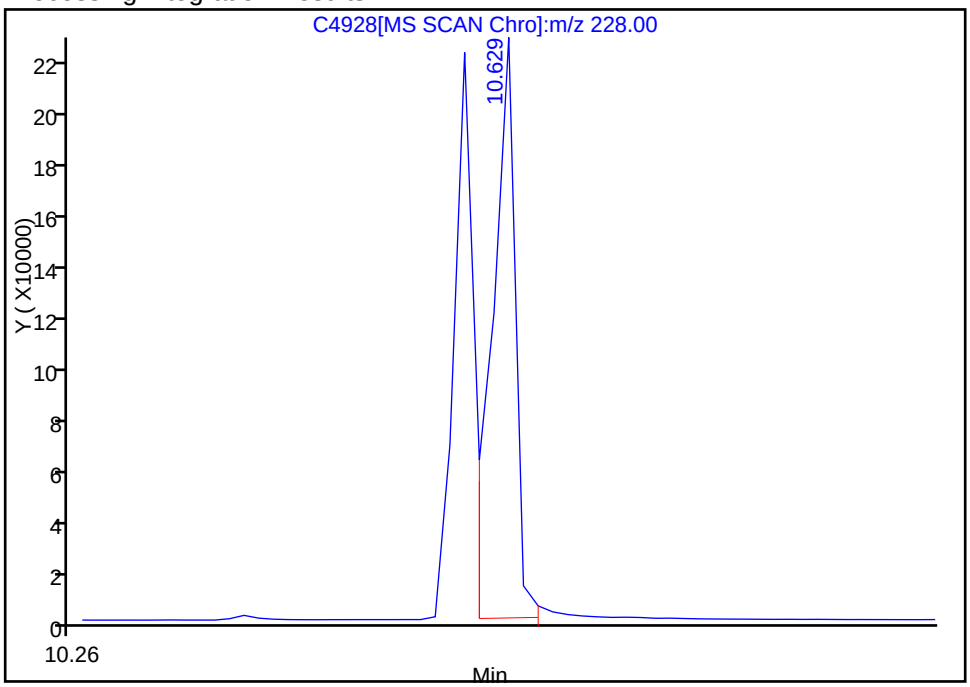
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.62

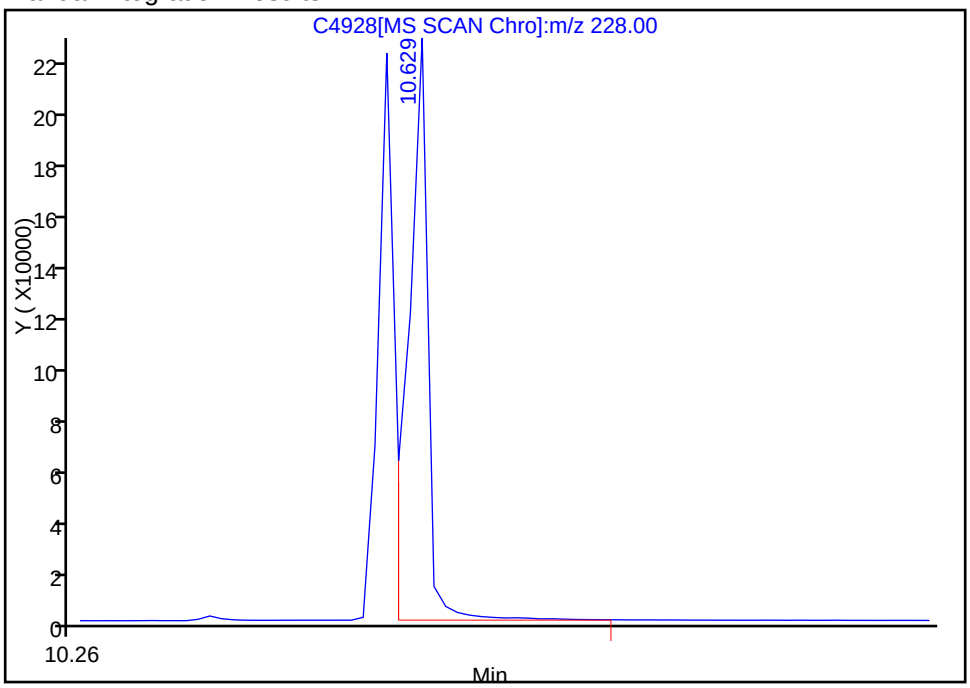
Processing Integration Results

RT: 10.63
Response: 317120
Amount: 70.959810



Manual Integration Results

RT: 10.63
Response: 328528
Amount: 73.220456



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 19-Aug-2011 13:54:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

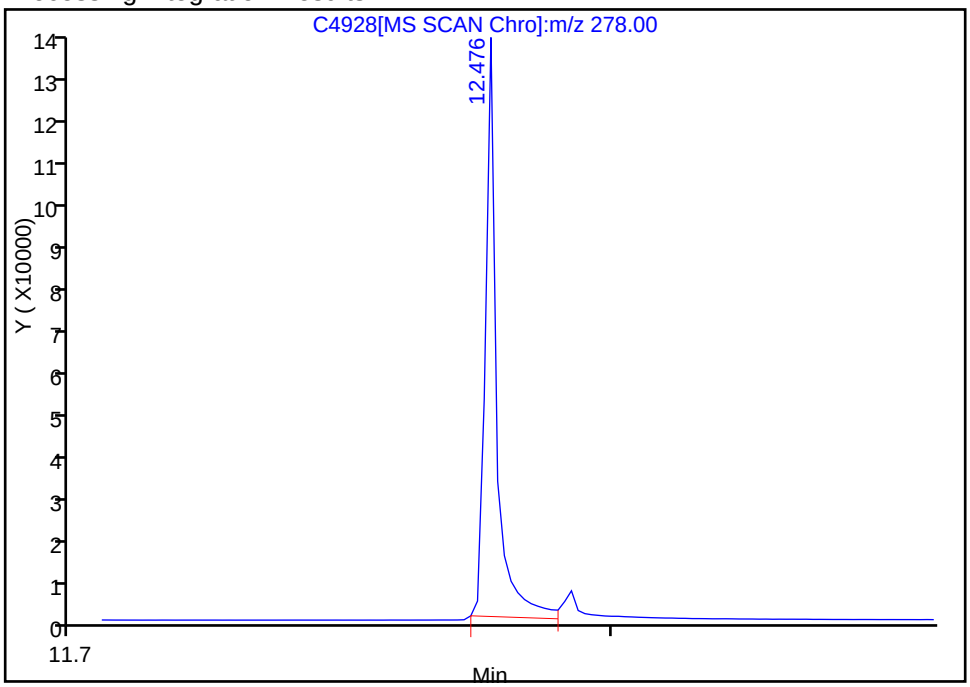
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.D		
Injection Date:	19-Aug-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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: 12.46

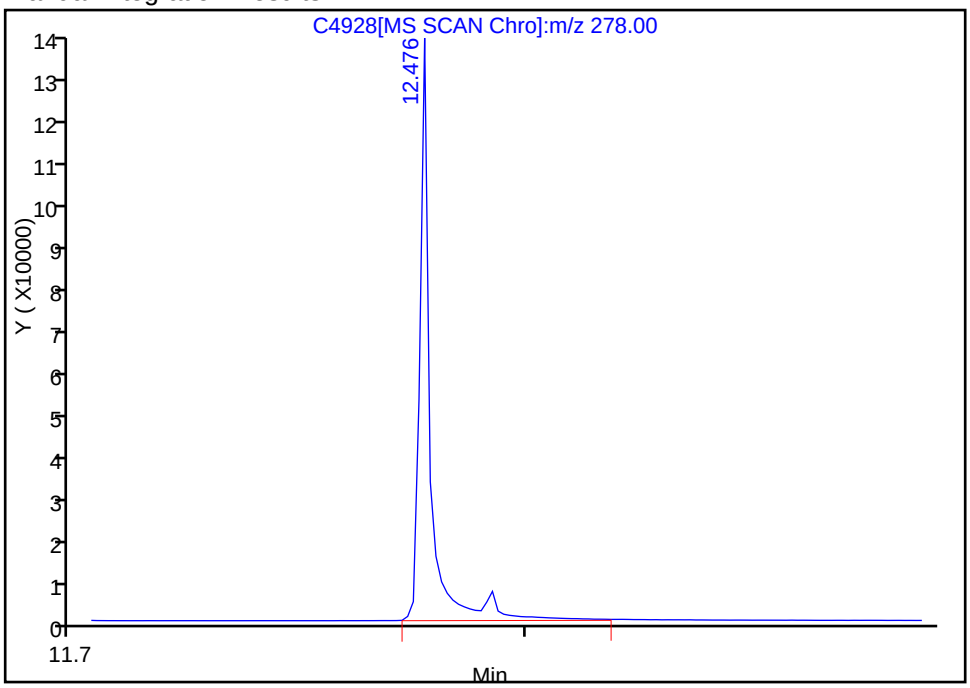
Processing Integration Results

RT: 12.48
Response: 191811
Amount: 79.721870



Manual Integration Results

RT: 12.48
Response: 216812
Amount: 87.914808



Reviewer: squiresb, 19-Aug-2011 13:53:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: SSTD020 510-85539/2 Calibration Date: 08/23/2011 15:10

Instrument ID: SMSB Calib Start Date: 08/19/2011 10:22

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 08/19/2011 12:50

Lab File ID: C4951.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.321	1.323	0.0500	20.0	20.0	0.2	20.0
2-Methylnaphthalene	Ave	0.7803	0.8347	0.0500	21.4	20.0	7.0	20.0
Acenaphthylene	Ave	2.456	1.978	0.0500	16.1	20.0	-19.5	20.0
Acenaphthene	Ave	1.368	1.373	0.0500	20.1	20.0	0.4	20.0
Fluorene	Ave	1.489	1.589	0.0500	21.3	20.0	6.7	20.0
Phenanthrene	Ave	1.400	1.404	0.0500	20.0	20.0	0.2	20.0
Anthracene	Ave	1.417	1.368	0.0500	19.3	20.0	-3.5	20.0
Fluoranthene	Ave	1.372	1.363	0.0500	20.5	20.6	-0.7	20.0
Pyrene	Ave	1.995	2.085	0.0500	21.3	20.4	4.5	20.0
Benzo[a]anthracene	Ave	1.618	1.557	0.0500	19.3	20.0	-3.7	20.0
Chrysene	Ave	1.889	1.947	0.0500	20.6	20.0	3.0	20.0
Benzo[b]fluoranthene	Ave	1.526	1.389	0.0500	18.2	20.0	-8.9	20.0
Benzo[k]fluoranthene	Ave	2.110	2.511	0.0500	23.8	20.0	19.0	20.0
Benzo[a]pyrene	Lin		1.339	0.0500	19.3	20.0	-3.5	20.0
Indeno[1,2,3-cd]pyrene	Lin		1.221	0.0500	18.0	20.0	-10.0	20.0
Dibenz(a,h)anthracene	Lin2		1.102	0.0500	19.6	20.4	-3.9	20.0
Benzo[g,h,i]perylene	Ave	1.267	1.335	0.0500	21.1	20.0	5.4	20.0
Nitrobenzene-d5	Ave	0.5465	0.5595	0.0500	20.5	20.0	2.4	
2-Fluorobiphenyl	Ave	1.932	1.804	0.0500	18.7	20.0	-6.6	
Terphenyl-d14	Ave	0.7838	0.8443	0.0500	21.5	20.0	7.7	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D
Lims ID: sstd020 Client ID:
Inject. Date: 23-Aug-2011 15:10:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: SSTD 020
Misc. Info.: 510-0005429-002 =510-0005429-002
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 85539 Lims Sample ID: 2
Sublist: chrom-SIM-PNAB*sub15
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 23-Aug-2011 15:30:51

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.375	2.375	0.000	1	130512	40.0	70.0- 130.0	100.0	
$ 49 Nitrobenzene-d5									M
82	3.030	3.030	0.000	0	75984	20.5	70.0- 130.0	100.0	M
128	0.0	3.030	-3.030		0		22.6- 82.6		
54	0.0	3.030	-3.030		0		21.4- 81.4		
* 57 Naphthalene-d8									
136	3.869	3.869	0.000	1	271601	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.891	3.891	0.000	0	179715	20.0	70.0- 130.0	100.0	
129	3.891	3.891	0.000		20116		0.0- 41.2	11.2	
62 2-Methylnaphthalene									
142	4.729	4.729	0.000	1	113351	21.4	70.0- 130.0	100.0	
141	4.729	4.729	0.000		86818		46.6- 106.6	76.6	
115	4.729	4.729	0.000		44222		9.0- 69.0	39.0	
$ 66 2-Fluorobiphenyl									
172	5.224	5.224	0.000	1	119580	18.7			
71 Acenaphthylene									
152	5.784	5.784	0.000	1	131063	16.1	70.0- 130.0	100.0	
151	5.784	5.784	0.000		23332		0.0- 47.8	17.8	
* 73 Acenaphthene-d10									s
164	5.958	5.958	0.000	1	132553	40.0	70.0- 130.0	100.0	
162	5.958	5.958	0.000		118487		59.4- 119.4	89.4	
74 Acenaphthene									M
154	5.982	5.982	0.000	0	90987	20.1	70.0- 130.0	100.0	M
152	0.0	5.982	-5.982		0		25.6- 85.6		
153	0.0	5.982	-5.982		0		77.5- 137.5		

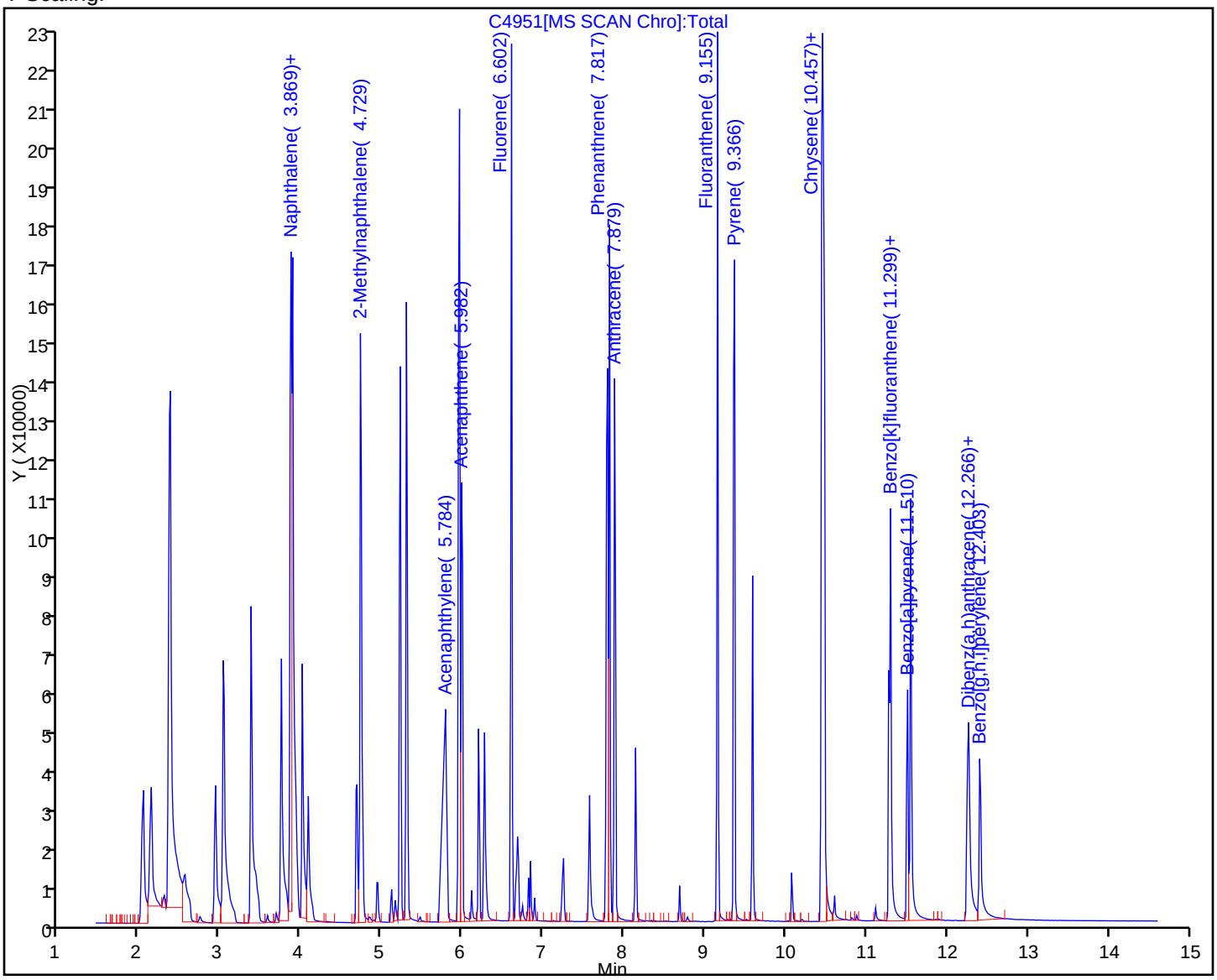
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	6.602	6.602	0.000	6	105328	21.3	70.0- 130.0	100.0	
165	6.602	6.602	0.000		92630		57.9- 117.9	87.9	
* 90 Phenanthrene-d10									s
188	7.792	7.792	0.000	1	192622	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.817	7.817	0.000	1	135215	20.0	70.0- 130.0	100.0	
92 Anthracene									
178	7.879	7.879	0.000	1	131767	19.3	70.0- 130.0	100.0	
95 Fluoranthene									
202	9.155	9.155	0.000	2	135308	20.5	70.0- 130.0	100.0	
101	9.155	9.155	0.000		19912		0.0- 44.7	14.7	
97 Pyrene									
202	9.366	9.366	0.000	17	149096	21.3	70.0- 130.0	100.0	
101	9.354	9.366	-0.012		24469		0.0- 46.4	16.4	
$ 98 Terphenyl-d14									
244	9.589	9.589	0.000	1	59183	21.5	70.0- 130.0	100.0	
101 Benzo[a]anthracene									
228	10.444	10.444	0.000	0	109165	19.3	70.0- 130.0	100.0	
229	10.444	10.444	0.000		22538		0.0- 50.6	20.6	
226	10.444	10.444	0.000		29141		0.0- 56.7	26.7	
* 103 Chrysene-d12									s
240	10.457	10.457	0.000	1	140196	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.481	10.481	0.000	1	136473	20.6	70.0- 130.0	100.0	
226	10.481	10.481	0.000		38691		0.0- 58.4	28.4	
229	10.481	10.481	0.000		28322		0.0- 50.8	20.8	
106 Benzo[b]fluoranthene									M
252	11.275	11.275	0.000	1	69143	18.2	70.0- 130.0	100.0	M
253	11.299	11.275	0.024		36687		23.1- 83.1	53.1	
107 Benzo[k]fluoranthene									M
252	11.299	11.299	0.000	1	124986	23.8	70.0- 130.0	100.0	M
253	11.299	11.299	0.000		36687		0.0- 59.4	29.4	
108 Benzo[a]pyrene									
252	11.510	11.510	0.000	1	66659	19.3	70.0- 130.0	100.0	
253	11.510	11.510	0.000		14683		0.0- 52.0	22.0	
* 109 Perylene-d12									
264	11.547	11.547	0.000	1	99548	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.254	12.254	0.000	1	60791	18.0	70.0- 130.0	100.0	
138	12.241	12.254	-0.013		21253		5.0- 65.0	35.0	
111 Dibenz(a,h)anthracene									M
278	12.266	12.266	0.000	1	55933	19.6	70.0- 130.0	100.0	M
139	12.266	12.266	0.000		10128		0.0- 48.1	18.1	
24 Benzo[g,h,i]perylene									M
276	12.403	12.403	0.000	1	66462	21.1	70.0- 130.0	100.0	M
138	12.403	12.403	0.000		18203		0.0- 57.4	27.4	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D
Injection Date: 23-Aug-2011 15:10:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 2
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

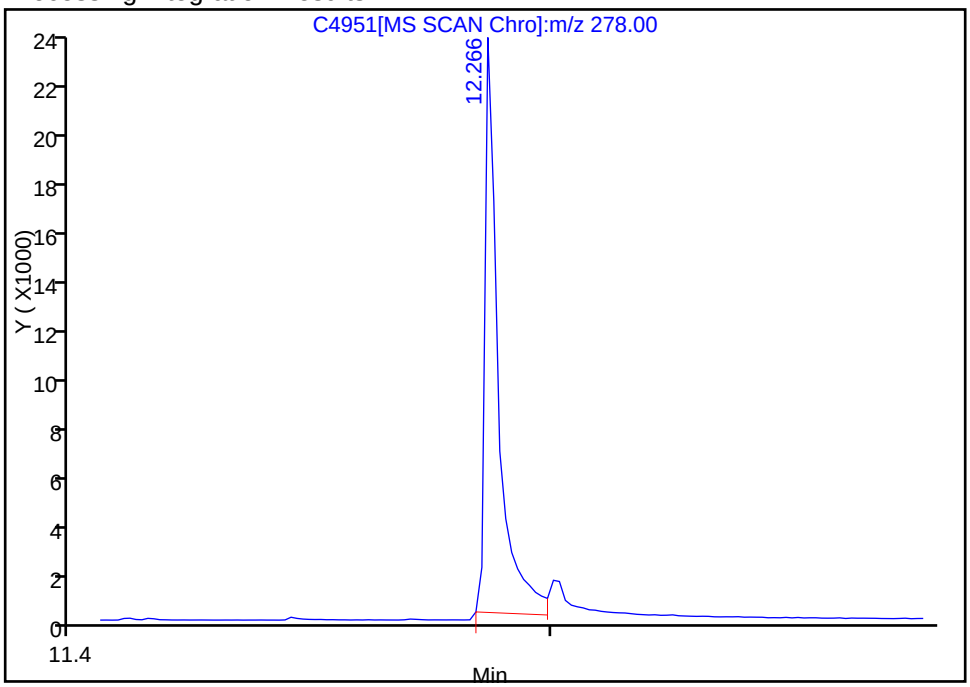
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 12.27

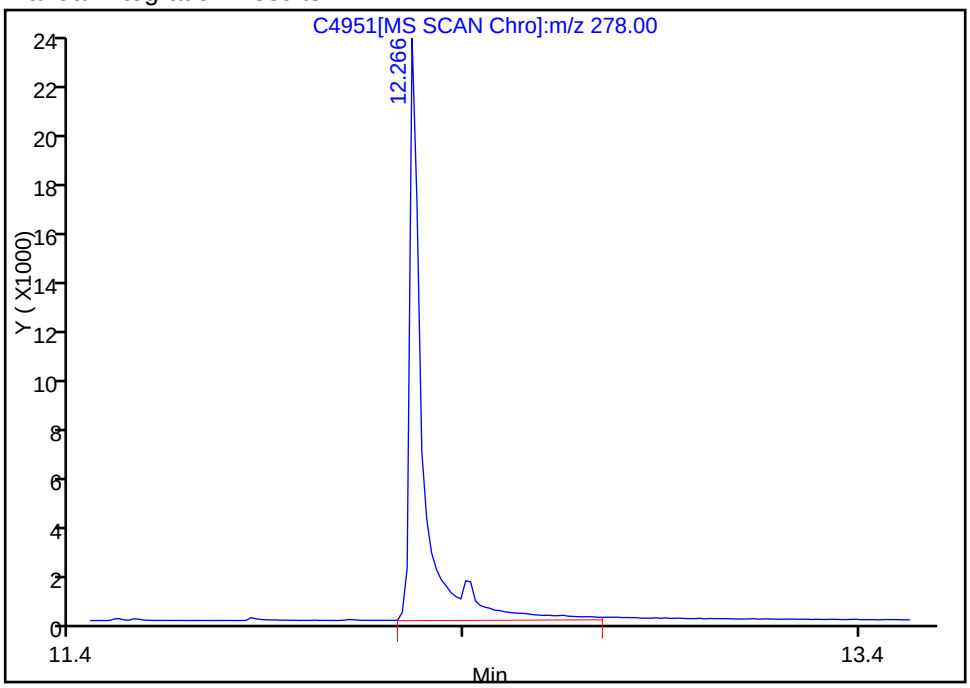
Processing Integration Results

RT: 12.27
Response: 45559
Amount: 16.016163



Manual Integration Results

RT: 12.27
Response: 55933
Amount: 19.617474



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

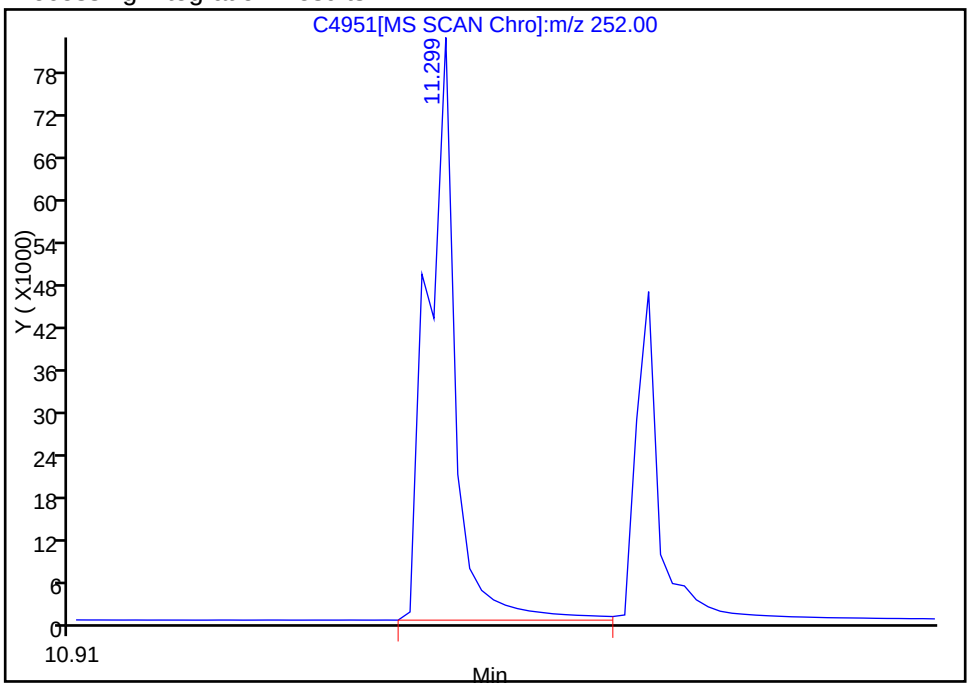
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 11.30

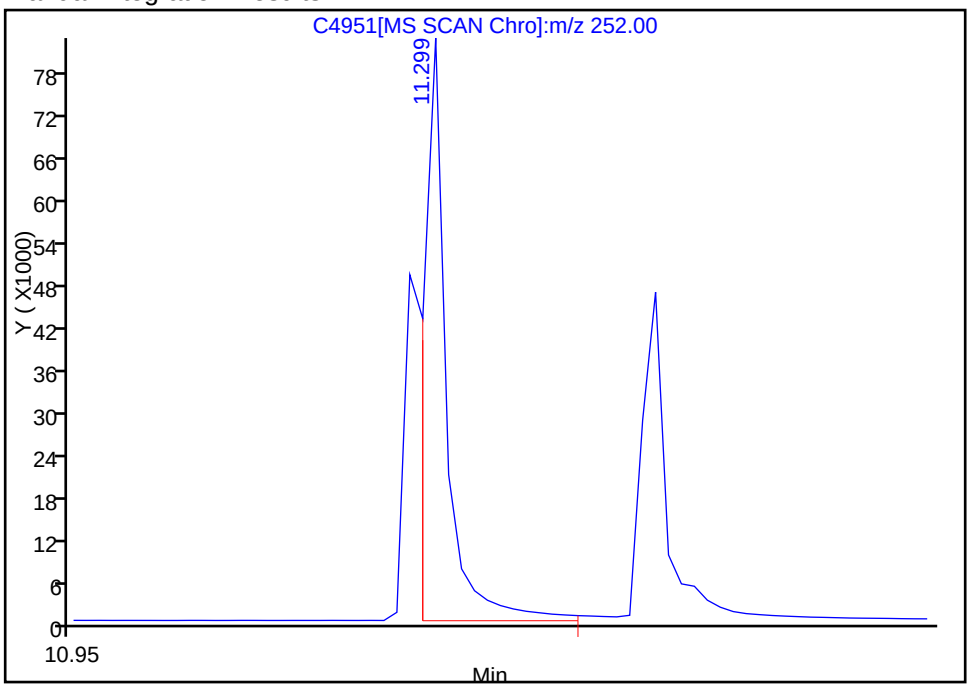
Processing Integration Results

RT: 11.30
Response: 162920
Amount: 31.022904



Manual Integration Results

RT: 11.30
Response: 124986
Amount: 23.799587



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

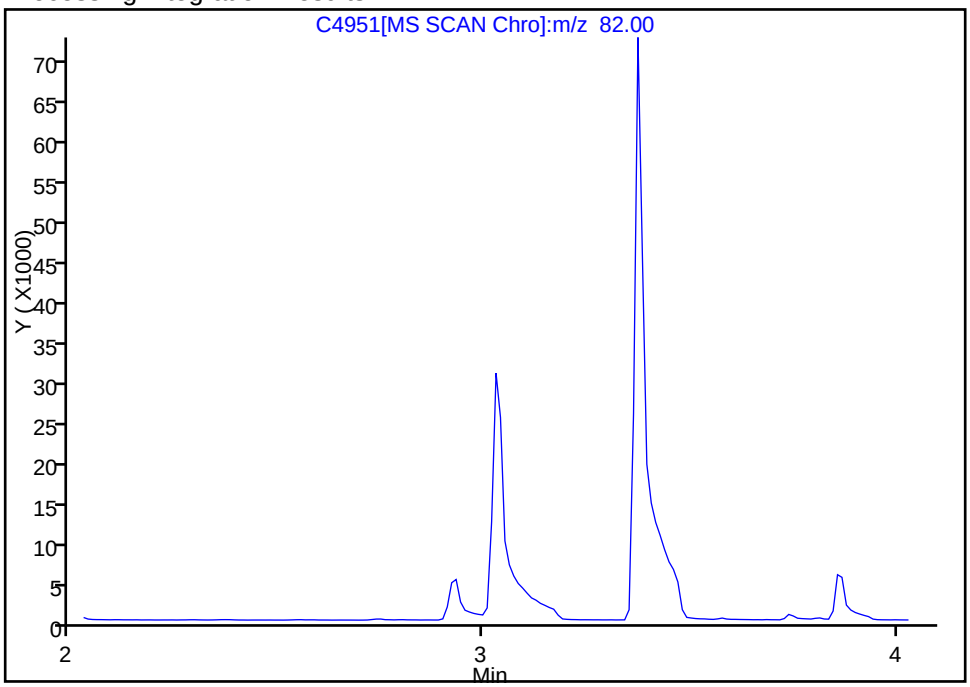
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 3.03

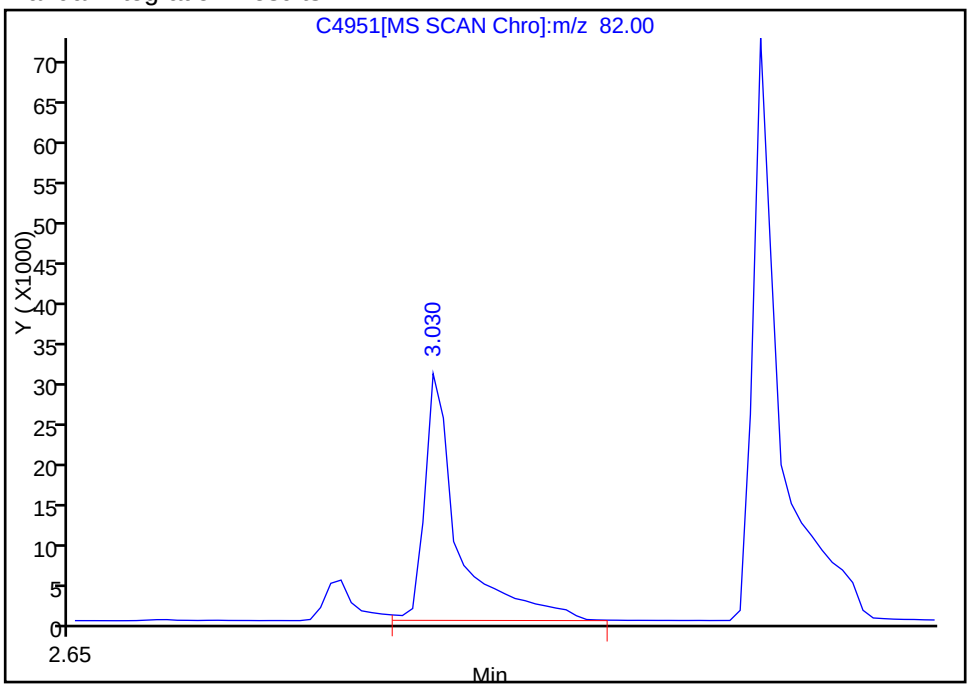
Processing Integration Results

Not Detected
Expected RT: 3.03



Manual Integration Results

RT: 3.03
Response: 75984
Amount: 20.476753



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

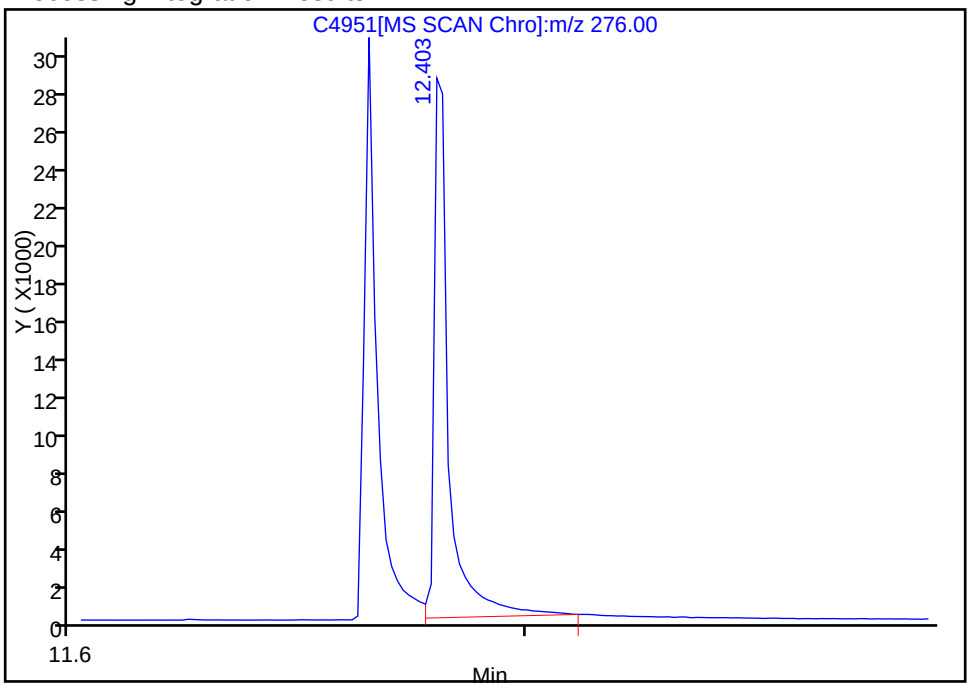
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 12.40

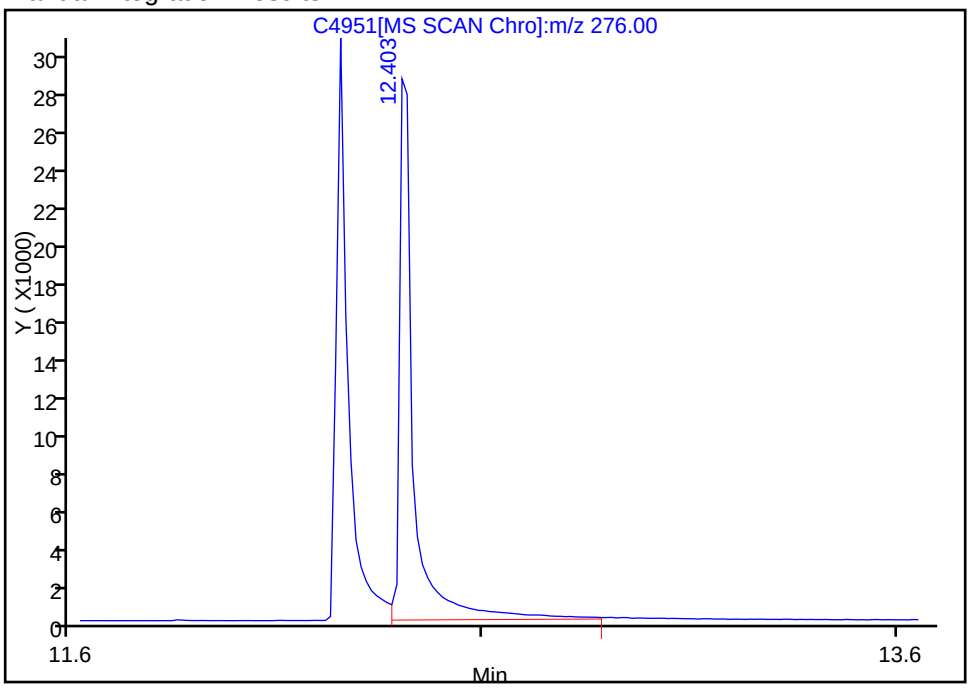
Processing Integration Results

RT: 12.40
Response: 61907
Amount: 19.629515



Manual Integration Results

RT: 12.40
Response: 66462
Amount: 21.073818



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

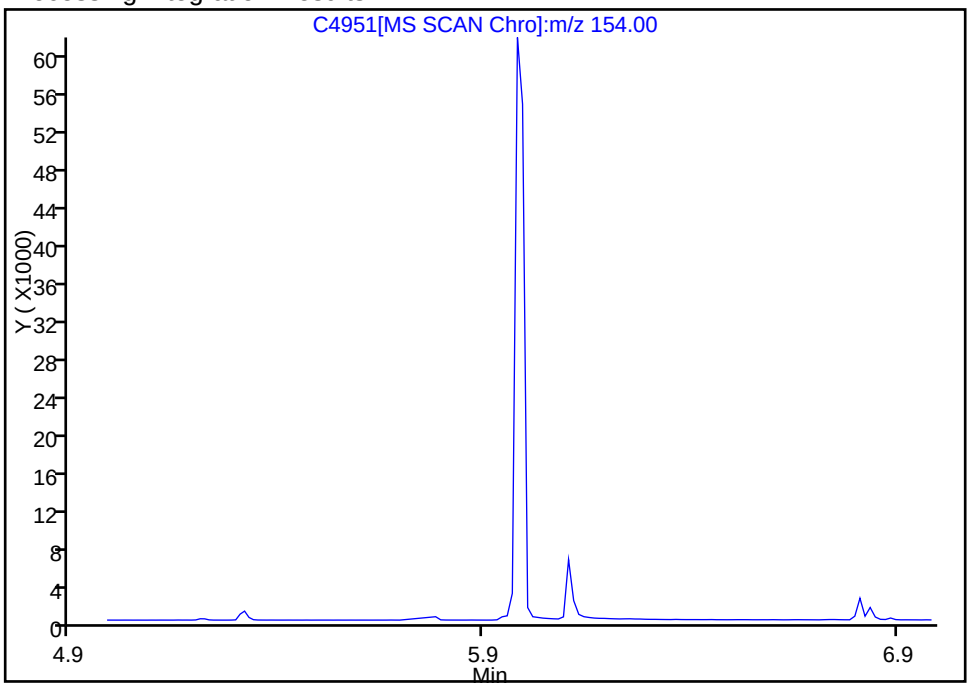
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	2
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.98

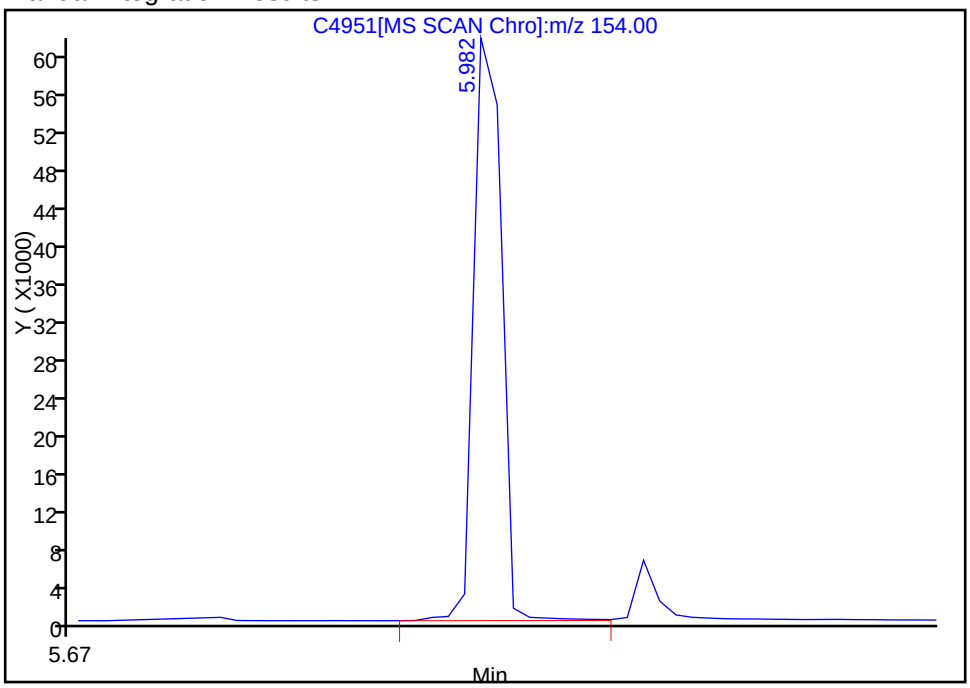
Processing Integration Results

Not Detected
Expected RT: 5.98



Manual Integration Results

RT: 5.98
Response: 90987
Amount: 20.075855



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 15:30:51 Chrom Revision: 1.2 13-Jul-2011 10:43:06

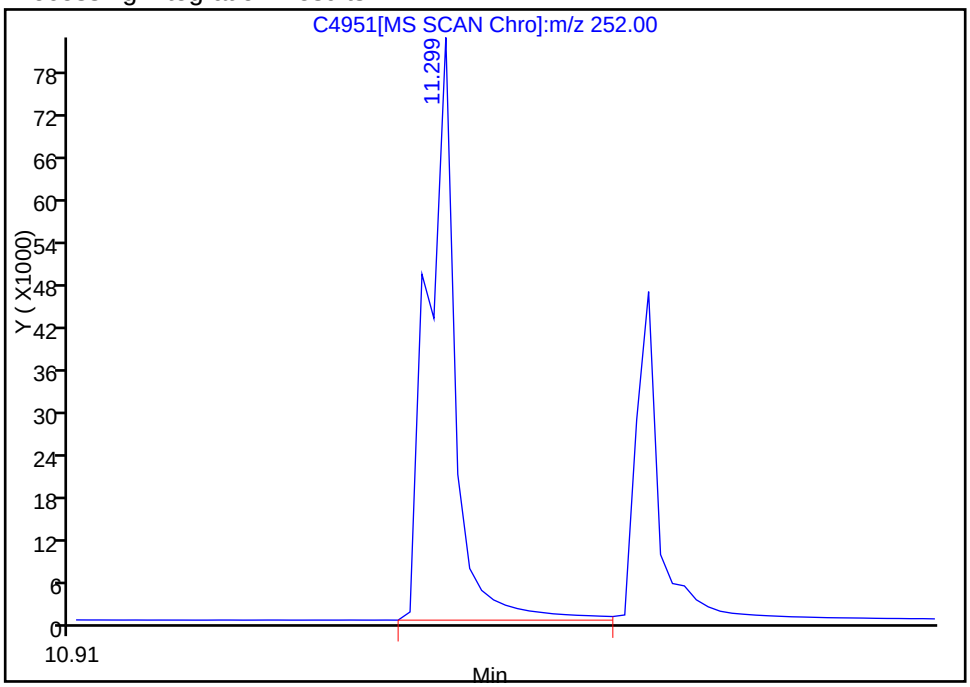
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4951.D		
Injection Date:	23-Aug-2011 15:10:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 11.27

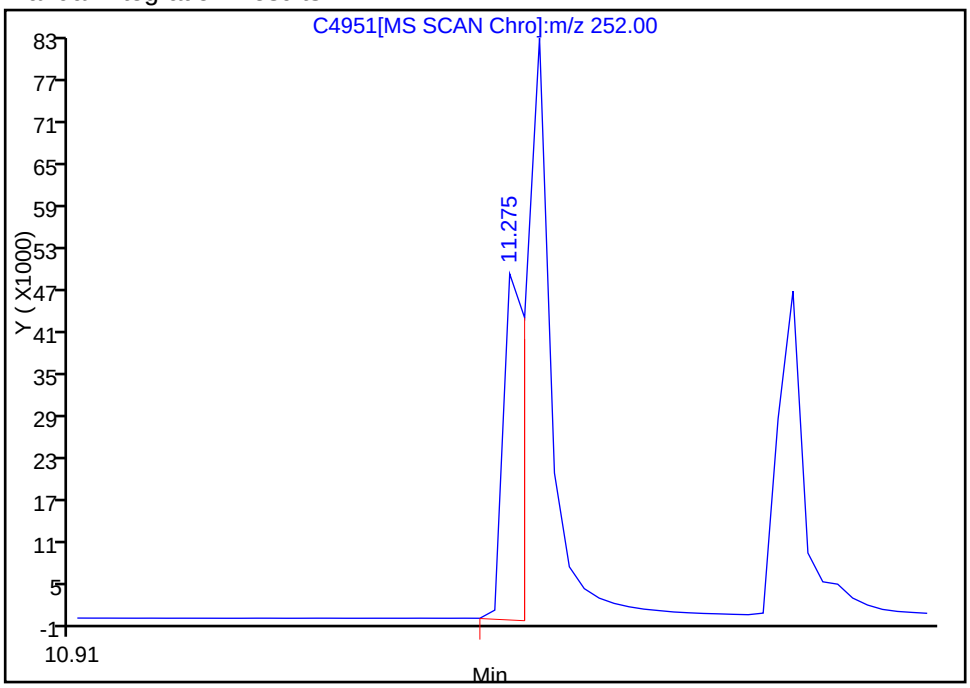
Processing Integration Results

RT: 11.30
Response: 162920
Amount: 42.911857



Manual Integration Results

RT: 11.27
Response: 69143
Amount: 18.211727



Reviewer: squiresb, 23-Aug-2011 15:30:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

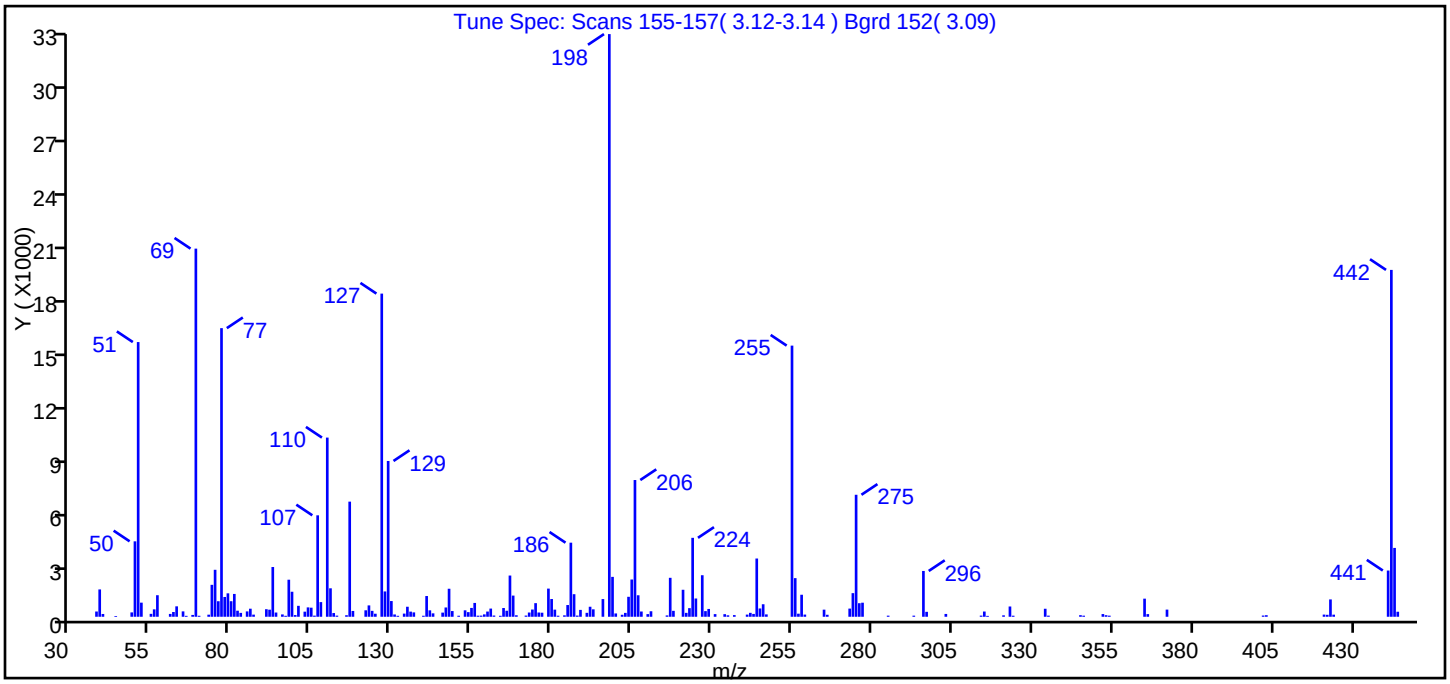
Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	19-Aug-2011 10:07:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0005411-001 =510-0005411-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85359	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110819-5411.b\SIM-PNAB.m		
Last Update:	19-Aug-2011 10:21:25	Calib Date:	18-Aug-2011 15:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110818-5408.b\C4909.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:	19-Aug-2011 10:21:25

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	3.133	3.133	0.000	0	94258		-1.0- -1.0		

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D		
Injection Date:	19-Aug-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85359	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	47.15
68	Less than 2.00% of mass 69	0.31 (0.50)
69	Present	63.18
70	Less than 2.00% of mass 69	0.17 (0.27)
127	40.00 - 60.00% of mass 198	55.46
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.85
275	10.00 - 30.00% of mass 198	20.94
365	Greater than 1.00% of mass 198	3.11
441	Present, but less than mass 443%	7.93 (67.15)
442	Greater than 40.00% of mass 198	59.53
443	17.00 - 23.00% of mass 442	11.82 (19.85)

Report Date: 19-Aug-2011 10:21:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D\SIM-PNAB.rslt\spectra.d
Injection Date: 19-Aug-2011 10:07:30
Spectrum: Tune Spec: Scans 155-157(3.12-3.14) Bgrd 152(3.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	293	108.00	816	173.00	236	243.00	158
39.00	1522	110.00	9976	174.00	403	244.00	3243
40.00	155	111.00	1585	175.00	758	245.00	462
44.00	43	112.00	207	176.00	237	246.00	697
49.00	243	113.00	64	177.00	226	247.00	132
50.00	4200	116.00	86	179.00	1568	255.00	15096
51.00	15294	117.00	6410	180.00	988	256.00	2151
52.00	786	118.00	323	181.00	397	257.00	171
55.00	163	122.00	360	182.00	60	258.00	1226
56.00	413	123.00	633	184.00	80	259.00	122
57.00	1200	124.00	329	185.00	653	265.00	396
61.00	158	125.00	169	186.00	4125	266.00	111
62.00	265	127.00	17992	187.00	1257	273.00	455
63.00	581	128.00	1410	188.00	67	274.00	1315
65.00	300	129.00	8674	189.00	383	275.00	6792
66.00	52	130.00	875	191.00	219	276.00	755
68.00	102	131.00	129	192.00	558	277.00	783
69.00	20496	132.00	54	193.00	414	285.00	62
70.00	56	134.00	176	196.00	985	293.00	62
73.00	116	135.00	558	198.00	32440	296.00	2550
74.00	1778	136.00	286	199.00	2221	297.00	275
75.00	2615	137.00	244	200.00	185	303.00	157
76.00	865	140.00	57	202.00	111	314.00	64
77.00	16069	141.00	1155	203.00	216	315.00	292
78.00	1102	142.00	358	204.00	1112	316.00	50
79.00	1305	143.00	191	205.00	2075	321.00	80
80.00	866	146.00	231	206.00	7613	323.00	572
81.00	1271	147.00	517	207.00	1197	324.00	59
82.00	337	148.00	1560	208.00	293	334.00	446
83.00	217	149.00	318	210.00	147	335.00	63
85.00	299	151.00	58	211.00	307	345.00	89
86.00	449	153.00	359	216.00	75	346.00	61
87.00	119	154.00	257	217.00	2169	352.00	151

Report Date: 19-Aug-2011 10:21:25 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4920.D\SIM-PNAB.rslt\spectra.d
Injection Date: 19-Aug-2011 10:07:30
Spectrum: Tune Spec: Scans 155-157(3.12-3.14) Bgrd 152(3.09)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 192

m/z	Y	m/z	Y	m/z	Y	m/z	Y
91.00	421	155.00	492	218.00	330	353.00	87
92.00	394	156.00	770	221.00	1503	354.00	62
93.00	2770	157.00	61	222.00	218	365.00	1008
94.00	236	158.00	65	223.00	480	366.00	148
96.00	130	159.00	133	224.00	4395	372.00	399
97.00	54	160.00	290	225.00	1017	402.00	68
98.00	2063	161.00	456	227.00	2313	403.00	87
99.00	1393	162.00	69	228.00	314	421.00	122
100.00	95	164.00	55	229.00	435	422.00	109
101.00	609	165.00	487	231.00	148	423.00	966
103.00	284	166.00	335	234.00	145	424.00	117
104.00	522	167.00	2295	235.00	81	441.00	2574
105.00	506	168.00	1179	237.00	93	442.00	19312
106.00	63	169.00	84	241.00	121	443.00	3833
107.00	5648	172.00	67	242.00	219	444.00	280

TestAmerica Laboratories
Target Compound Quantitation Report

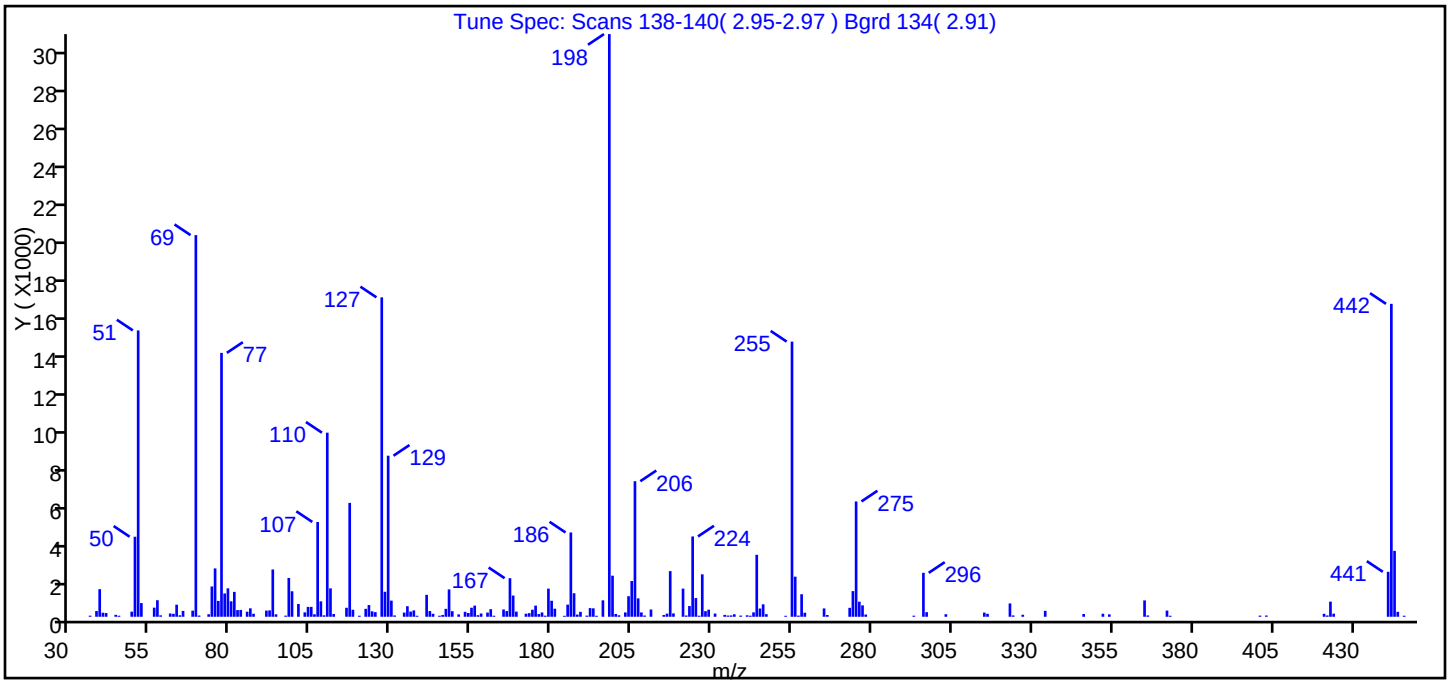
Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4950.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	23-Aug-2011 14:56:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0005429-001 =510-0005429-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	85539	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m		
Last Update:	23-Aug-2011 15:16:59	Calib Date:	19-Aug-2011 12:50:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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:	23-Aug-2011 15:16:59

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	2.958	2.958	0.000	0	114937		-1.0- -1.0		

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4950.D		
Injection Date:	23-Aug-2011 14:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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	49.15
68	Less than 2.00% of mass 69	1.05 (1.61)
69	Present	65.50
70	Less than 2.00% of mass 69	0.21 (0.33)
127	40.00 - 60.00% of mass 198	54.82
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.05
275	10.00 - 30.00% of mass 198	19.79
365	Greater than 1.00% of mass 198	2.81
441	Present, but less than mass 443%	7.72 (68.21)
442	Greater than 40.00% of mass 198	53.71
443	17.00 - 23.00% of mass 442	11.31 (21.06)

Report Date: 23-Aug-2011 15:17:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4950.D\SIM-PNAB.rslt\spectra.d
Injection Date: 23-Aug-2011 14:56:30
Spectrum: Tune Spec: Scans 138-140(2.95-2.97) Bgrd 134(2.91)
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	57	108.00	795	175.00	576	241.00	76
38.00	296	109.00	75	176.00	140	242.00	55
39.00	1423	110.00	9489	177.00	223	243.00	228
40.00	209	111.00	1464	178.00	56	244.00	3194
41.00	192	112.00	140	179.00	1451	245.00	425
44.00	100	116.00	464	180.00	825	246.00	642
45.00	54	117.00	5870	181.00	416	247.00	135
49.00	264	118.00	361	184.00	50	253.00	51
50.00	4126	120.00	54	185.00	625	255.00	14182
51.00	14760	122.00	409	186.00	4345	256.00	2067
52.00	705	123.00	604	187.00	1213	257.00	61
56.00	470	124.00	281	188.00	113	258.00	1161
57.00	853	125.00	239	189.00	255	259.00	208
58.00	74	127.00	16464	191.00	60	265.00	430
61.00	169	128.00	1288	192.00	446	266.00	91
62.00	153	129.00	8301	193.00	434	273.00	461
63.00	623	130.00	832	194.00	52	274.00	1321
64.00	74	131.00	69	196.00	848	275.00	5944
65.00	301	134.00	216	198.00	30032	276.00	777
68.00	316	135.00	544	199.00	2117	277.00	588
69.00	19672	136.00	267	200.00	143	278.00	115
70.00	64	137.00	328	201.00	76	293.00	56
73.00	130	138.00	54	203.00	224	296.00	2265
74.00	1562	141.00	1130	204.00	1061	297.00	237
75.00	2492	142.00	295	205.00	1843	303.00	131
76.00	817	143.00	154	206.00	6986	315.00	214
77.00	13602	145.00	54	207.00	948	316.00	153
78.00	1201	146.00	92	208.00	224	323.00	687
79.00	1465	147.00	408	209.00	63	324.00	69
80.00	798	148.00	1410	211.00	374	327.00	104
81.00	1283	149.00	288	215.00	92	334.00	305
82.00	345	151.00	122	216.00	162	346.00	143
83.00	353	153.00	255	217.00	2353	352.00	156

Report Date: 23-Aug-2011 15:17:00 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4950.D\SIM-PNAB.rslt\spectra.d
Injection Date: 23-Aug-2011 14:56:30
Spectrum: Tune Spec: Scans 138-140(2.95-2.97) Bgrd 134(2.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 196

m/z	Y	m/z	Y	m/z	Y	m/z	Y
85.00	261	154.00	194	218.00	174	354.00	123
86.00	434	155.00	467	221.00	1451	365.00	843
87.00	154	156.00	575	222.00	66	366.00	68
91.00	318	157.00	81	223.00	554	372.00	320
92.00	329	158.00	169	224.00	4139	373.00	54
93.00	2437	160.00	217	225.00	964	401.00	60
94.00	126	161.00	390	226.00	55	403.00	65
97.00	58	162.00	54	227.00	2187	421.00	154
98.00	2000	165.00	376	228.00	290	422.00	67
99.00	1315	166.00	293	229.00	365	423.00	780
101.00	657	167.00	1989	231.00	165	424.00	158
103.00	228	168.00	1094	234.00	96	441.00	2317
104.00	509	169.00	265	235.00	63	442.00	16129
105.00	509	172.00	157	236.00	69	443.00	3397
106.00	129	173.00	186	237.00	129	444.00	255
107.00	4886	174.00	363	239.00	61	446.00	54

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-85491/1-A

Matrix: Solid | Lab File ID: C4952.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30(g) | Date Analyzed: 08/23/2011 15:40

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.: 85539 | 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
129-00-0	Pyrene	<0.020		0.020	0.0037
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

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	87		10-194
4165-60-0	Nitrobenzene-d5	63		10-117
321-60-8	2-Fluorobiphenyl	63		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

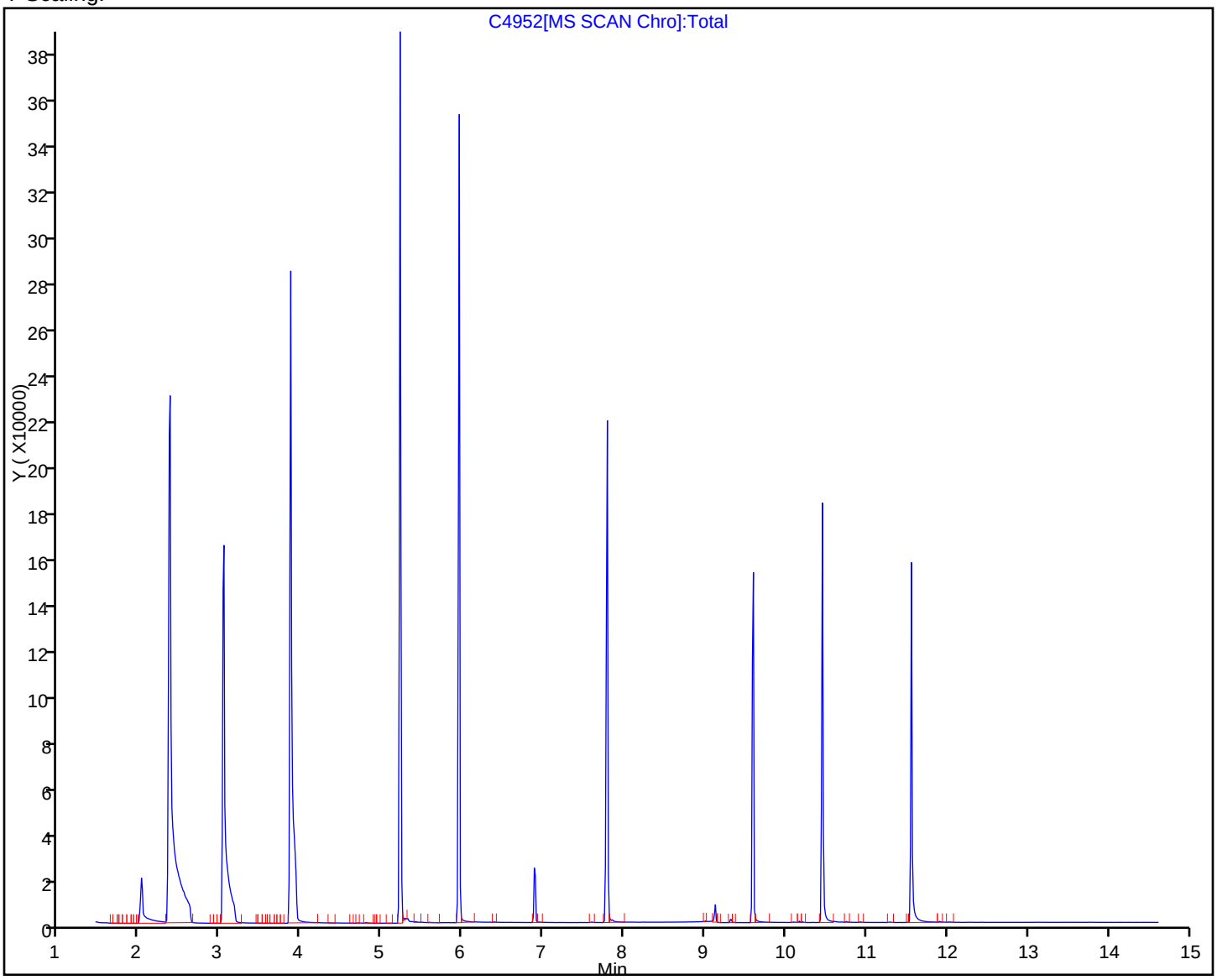
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4952.D
Lims ID: MB 510-85491/1-A Client ID:
Inject. Date: 23-Aug-2011 15:40:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 85491
Misc. Info.: 510-0005429-003 =510-0005429-003
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 85539 Lims Sample ID: 3
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 23-Aug-2011 16:56:30

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.371	2.375	-0.004	1	202195	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		111343		25.1- 85.1	55.1	
$ 49 Nitrobenzene-d5									
82	3.038	3.030	0.008	1	178418	31.6	70.0- 130.0	100.0	
128	3.038	3.030	0.008		101983		22.6- 82.6	57.2	
54	3.027	3.030	-0.003		89620		21.4- 81.4	50.2	
* 57 Naphthalene-d8									
136	3.866	3.869	-0.003	1	413232	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	5.221	5.224	-0.003	1	290610	31.6			
* 73 Acenaphthene-d10									
164	5.955	5.958	-0.003	1	190268	40.0	70.0- 130.0	100.0	
162	5.955	5.958	-0.003		171771		59.4- 119.4	90.3	
* 90 Phenanthrene-d10									
188	7.789	7.792	-0.003	1	249537	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	137669	43.6	70.0- 130.0	100.0	
122	9.586	9.589	-0.003		29466		0.0- 52.6	21.4	
* 103 Chrysene-d12									
240	10.454	10.457	-0.003	1	161134	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	11.557	11.547	0.010	1	140814	40.0	70.0- 130.0	100.0	

Report Date: 23-Aug-2011 16:56:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4952.D
Injection Date: 23-Aug-2011 15:40:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 3
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-85491/2-A

Matrix: Solid | Lab File ID: C4953.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30(g) | Date Analyzed: 08/23/2011 16:00

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.: 85539 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.22		0.020	0.0025
208-96-8	Acenaphthylene	1.15		0.020	0.0031
120-12-7	Anthracene	1.20		0.020	0.0032
56-55-3	Benzo[a]anthracene	1.26		0.020	0.0021
50-32-8	Benzo[a]pyrene	1.74		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	1.91		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	1.77		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	1.36		0.020	0.0021
218-01-9	Chrysene	0.930		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	1.65		0.020	0.0027
206-44-0	Fluoranthene	1.35		0.020	0.0040
129-00-0	Pyrene	1.23		0.020	0.0037
86-73-7	Fluorene	1.28		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	1.63		0.020	0.0022
91-20-3	Naphthalene	1.17		0.020	0.0033
85-01-8	Phenanthrene	1.19		0.020	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	89		10-194
4165-60-0	Nitrobenzene-d5	61		10-117
321-60-8	2-Fluorobiphenyl	62		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D
Lims ID: LCS 510-85491/2-A Client ID:
Inject. Date: 23-Aug-2011 16:00:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 85491
Misc. Info.: 510-0005429-004 =510-0005429-004
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 85539 Lims Sample ID: 4
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 23-Aug-2011 16:57:18

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									
152	2.374	2.375	-0.001	1	196969	40.0	70.0- 130.0	100.0	
115	2.374	2.375	-0.001		107091		25.1- 85.1	54.4	
$ 49 Nitrobenzene-d5									
82	3.041	3.030	0.011	1	159879	30.4	70.0- 130.0	100.0	
128	3.041	3.030	0.011		89588		22.6- 82.6	56.0	
54	3.041	3.030	0.011		78175		21.4- 81.4	48.9	
* 57 Naphthalene-d8									
136	3.869	3.869	0.000	1	384499	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.891	3.891	0.000	0	444561	35.0	70.0- 130.0	100.0	
129	3.891	3.891	0.000		51978		0.0- 41.2	11.7	
127	3.891	3.891	0.000		56895		0.0- 42.4	12.8	
62 2-Methylnaphthalene									
142	4.740	4.729	0.011	1	238574	31.8	70.0- 130.0	100.0	
141	4.740	4.729	0.011		193040		46.6- 106.6	80.9	
115	4.740	4.729	0.011		98556		9.0- 69.0	41.3	
$ 66 2-Fluorobiphenyl									
172	5.224	5.224	0.000	1	266487	31.0			
71 Acenaphthylene									
152	5.783	5.784	-0.001	1	377622	34.5	70.0- 130.0	100.0	
151	5.783	5.784	-0.001		74310		0.0- 47.8	19.7	
* 73 Acenaphthene-d10									
164	5.969	5.958	0.011	1	178218	40.0	70.0- 130.0	100.0	
162	5.956	5.958	-0.002		162144		59.4- 119.4	91.0	

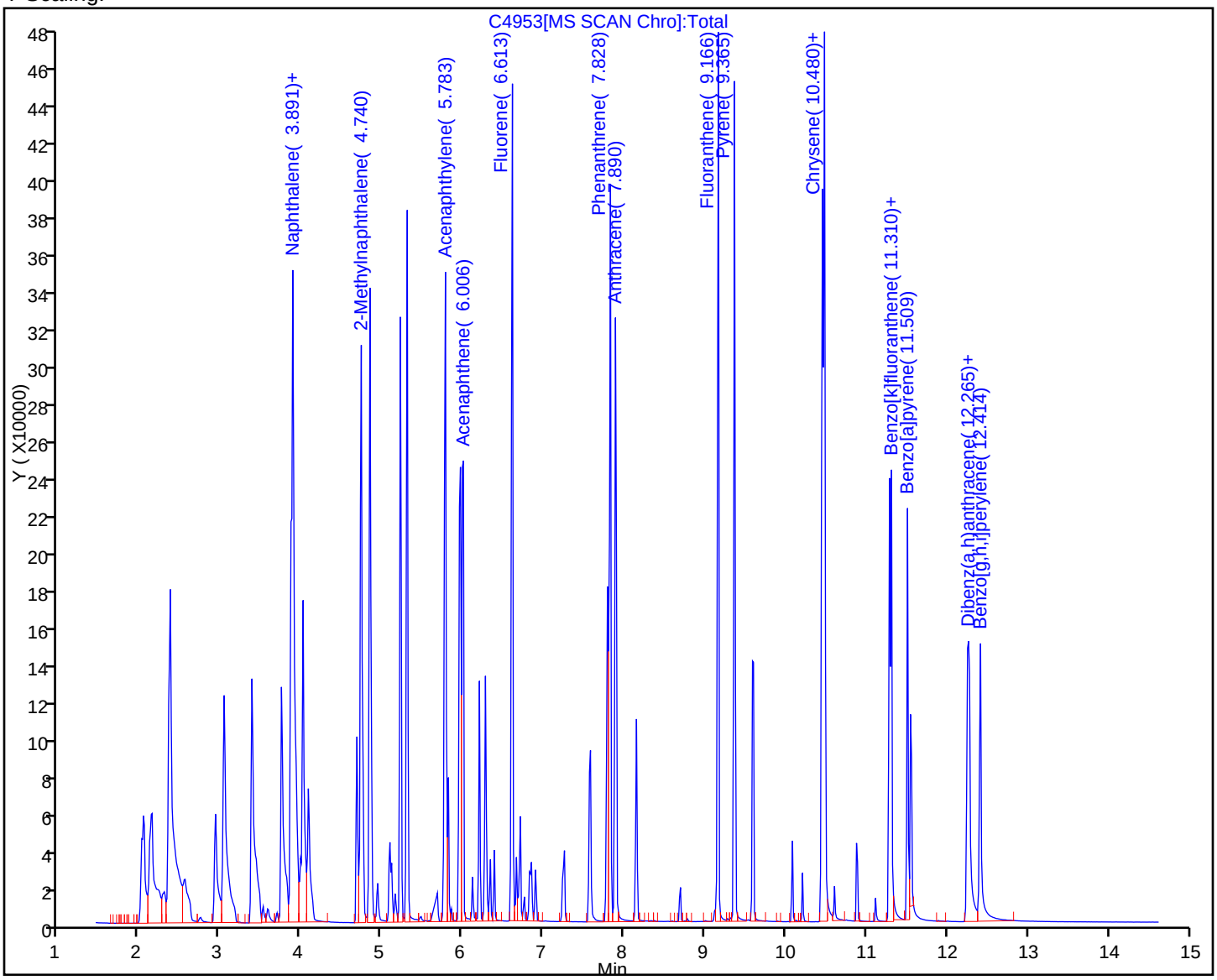
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.006	6.006	0.024	0	222898	36.6	70.0- 130.0	100.0	M
152	0.0	6.006	-5.982		0		25.6- 85.6		
153	0.0	6.006	-5.982		0		77.5- 137.5		
80 Fluorene									
166	6.613	6.602	0.011	6	255587	38.5	70.0- 130.0	100.0	
165	6.613	6.602	0.011		223628		57.9- 117.9	87.5	
* 90 Phenanthrene-d10									
188	7.791	7.792	-0.002	1	260881	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.828	7.817	0.011	1	327189	35.8	70.0- 130.0	100.0	
179	7.828	7.817	0.011		56198		0.0- 45.5	17.2	
92 Anthracene									
178	7.890	7.879	0.011	1	334141	36.1	70.0- 130.0	100.0	
179	7.890	7.879	0.011		57844		0.0- 44.6	17.3	
95 Fluoranthene									
202	9.166	9.155	0.011	1	362177	40.5	70.0- 130.0	100.0	
101	9.154	9.155	-0.001		44572		0.0- 44.7	12.3	
203	9.166	9.155	0.011		72274		0.0- 48.3	20.0	
97 Pyrene									
202	9.365	9.366	-0.001	21	304472	36.8	70.0- 130.0	100.0	
101	9.365	9.366	-0.001		66586		0.0- 46.4	21.9	
$ 98 Terphenyl-d14									
244	9.600	9.589	0.011	1	144950	44.6	70.0- 130.0	100.0	
122	9.588	9.589	-0.001		31580		0.0- 52.6	21.8	
101 Benzo[a]anthracene									
228	10.455	10.444	0.011	1	254105	37.9	70.0- 130.0	100.0	
229	10.455	10.444	0.011		54624		0.0- 50.6	21.5	
226	10.455	10.444	0.011		70724		0.0- 56.7	27.8	
* 103 Chrysene-d12									
240	10.468	10.457	0.011	1	165694	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.480	10.481	-0.001	1	218507	27.9	70.0- 130.0	100.0	
226	10.480	10.481	-0.001		66533		0.0- 58.4	30.4	
229	10.480	10.481	-0.001		46489		0.0- 50.8	21.3	
106 Benzo[b]fluoranthene									M
252	11.286	11.286	0.011	1	252130	57.4	70.0- 130.0	100.0	M
253	11.310	11.286	0.035		101860		23.1- 83.1	40.4	
107 Benzo[k]fluoranthene									M
252	11.310	11.310	0.011	1	248733	40.9	70.0- 130.0	100.0	M
253	11.310	11.310	0.011		101860		0.0- 59.4	41.0	
108 Benzo[a]pyrene									
252	11.509	11.510	-0.001	1	208670	52.3	70.0- 130.0	100.0	
253	11.509	11.510	-0.001		47847		0.0- 52.0	22.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.546	11.547	-0.001	1	115228	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.252	12.254	-0.002	1	196037	48.9	70.0- 130.0	100.0	
138	12.240	12.254	-0.014		66755		5.0- 65.0	34.1	
111 Dibenz(a,h)anthracene									M
278	12.277	12.277	0.011	1	164712	49.6	70.0- 130.0	100.0	M
139	12.265	12.277	-0.001		35770		0.0- 48.1	21.7	
24 Benzo[g,h,i]perylene									
276	12.414	12.403	0.011	1	194309	53.2	70.0- 130.0	100.0	
138	12.401	12.403	-0.002		54601		0.0- 57.4	28.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 23-Aug-2011 16:57:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D
Injection Date: 23-Aug-2011 16:00:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 85539 Lims Sample ID: 4
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 23-Aug-2011 16:57:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

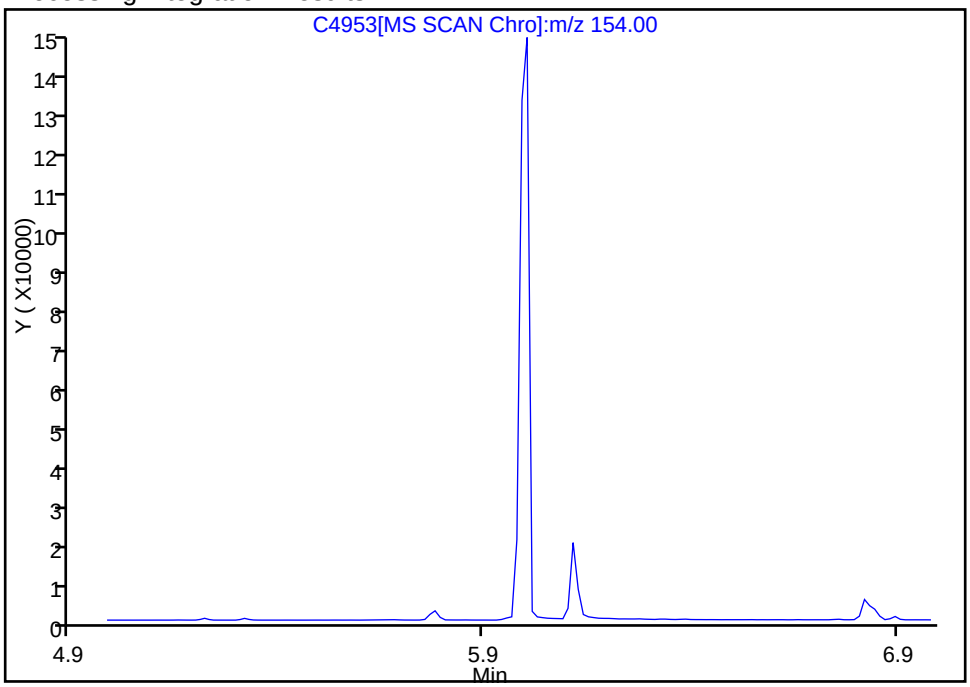
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D		
Injection Date:	23-Aug-2011 16:00:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.98

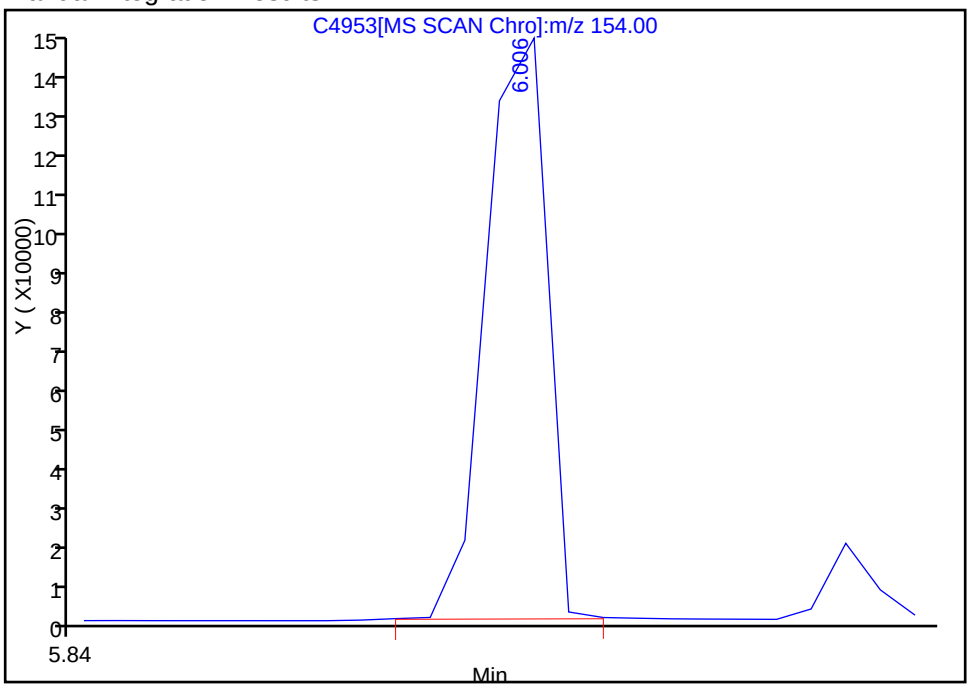
Processing Integration Results

Not Detected
Expected RT: 5.98



Manual Integration Results

RT: 6.01
Response: 222898
Amount: 36.579594



Reviewer: squiresb, 23-Aug-2011 16:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 16:57:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

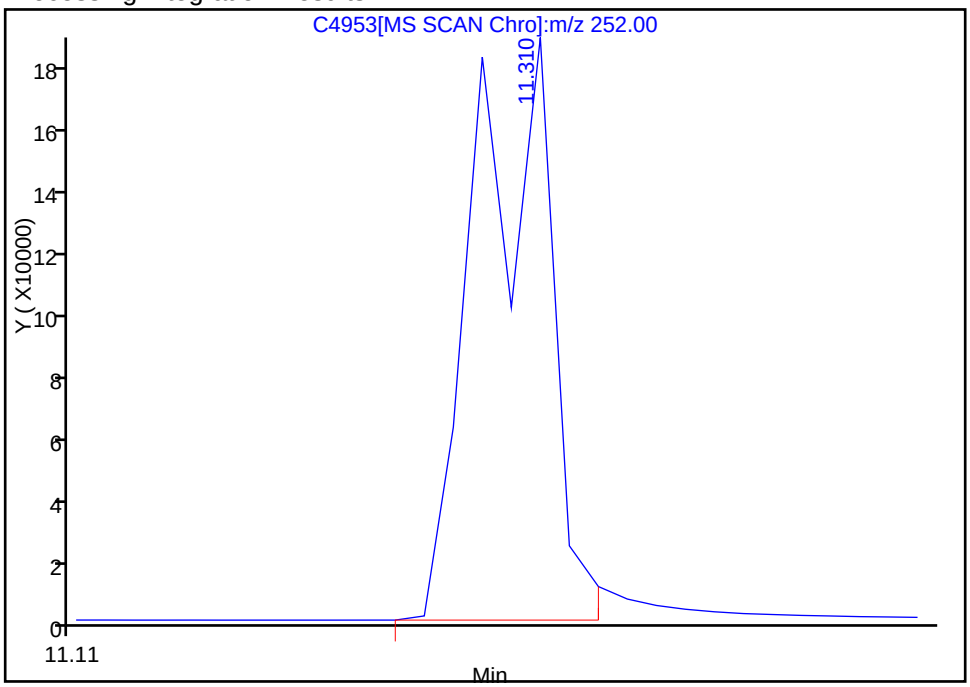
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D		
Injection Date:	23-Aug-2011 16:00:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 11.27

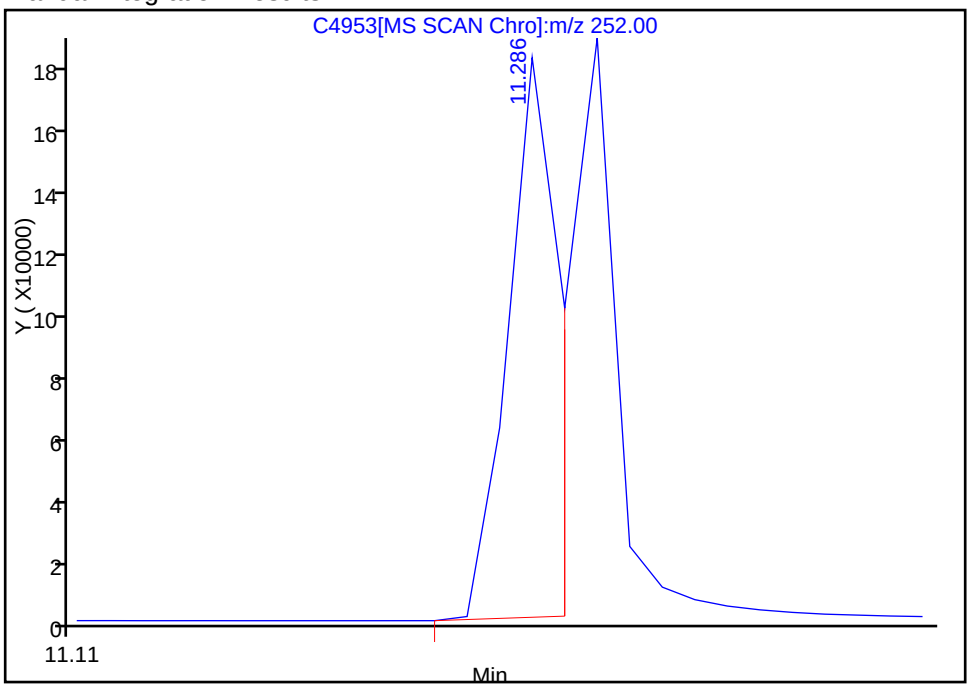
Processing Integration Results

RT: 11.31
Response: 418867
Amount: 95.313314



Manual Integration Results

RT: 11.29
Response: 252130
Amount: 57.372259



Reviewer: squiresb, 23-Aug-2011 16:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 16:57:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

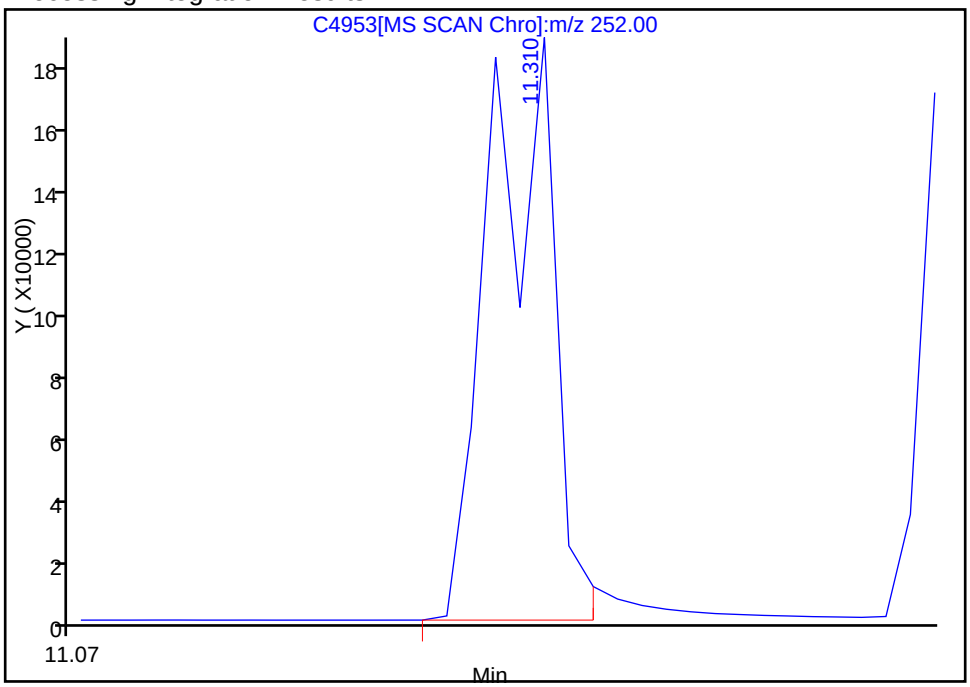
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D		
Injection Date:	23-Aug-2011 16:00:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 11.30

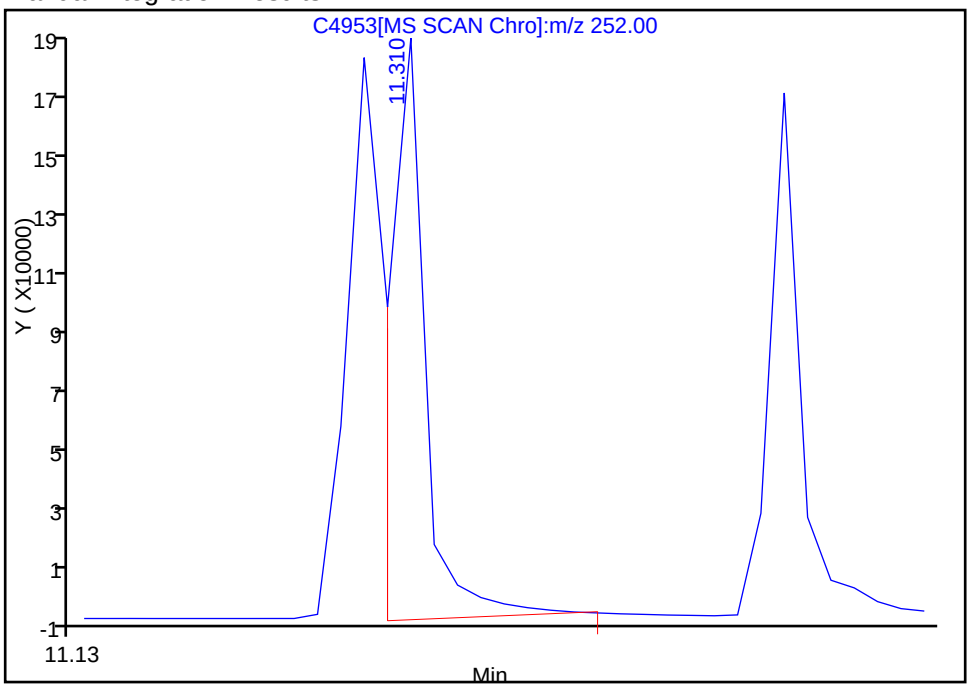
Processing Integration Results

RT: 11.31
Response: 418867
Amount: 68.906265



Manual Integration Results

RT: 11.31
Response: 248733
Amount: 40.918148



Reviewer: squiresb, 23-Aug-2011 16:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 23-Aug-2011 16:57:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

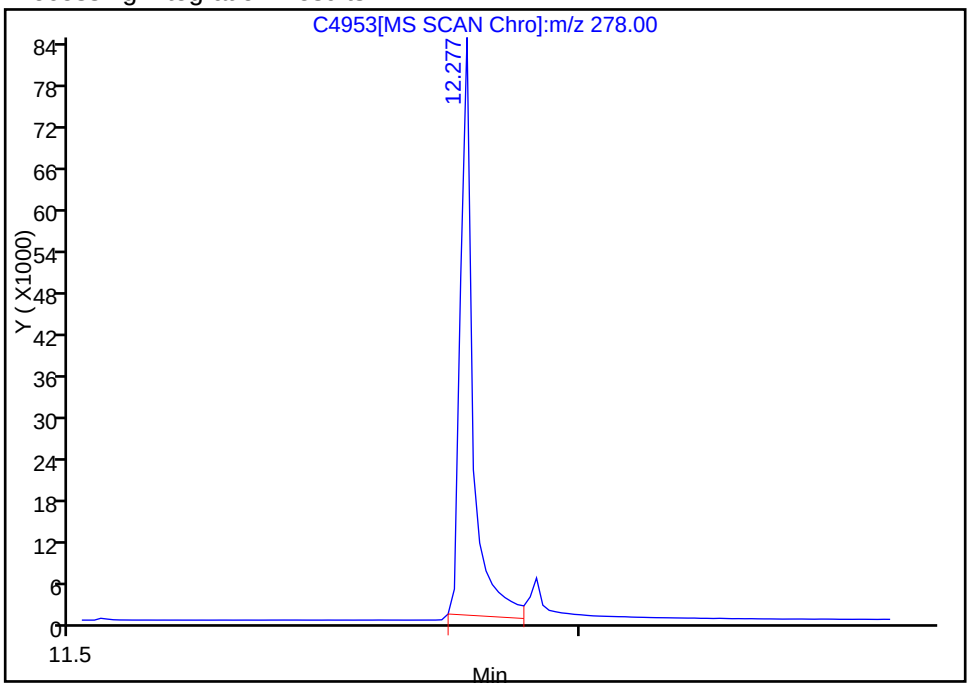
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4953.D		
Injection Date:	23-Aug-2011 16:00:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	85539	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: 12.27

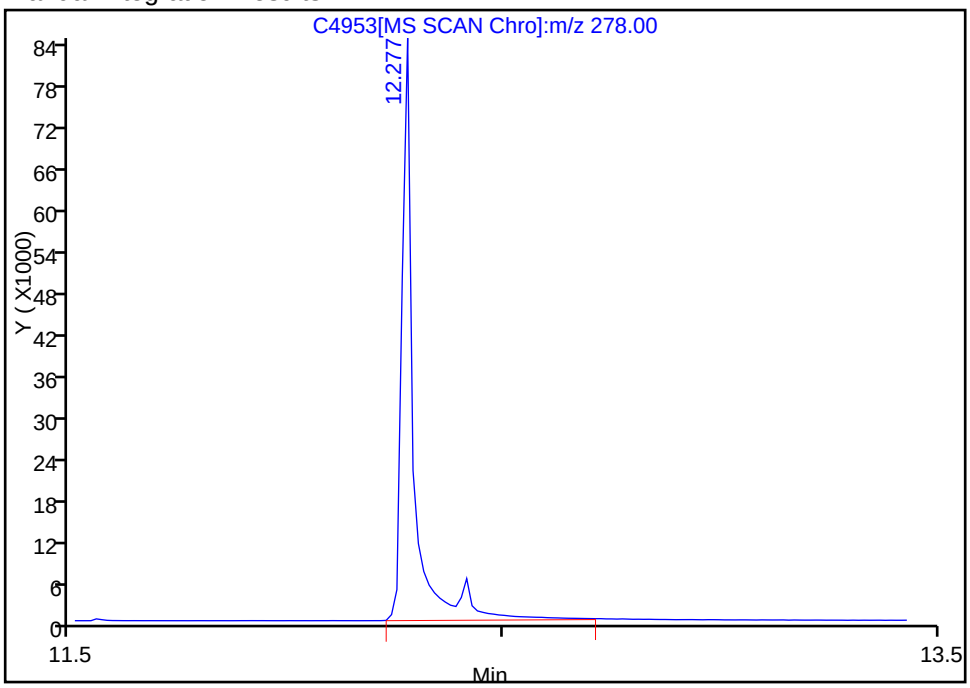
Processing Integration Results

RT: 12.28
Response: 142820
Amount: 43.033400



Manual Integration Results

RT: 12.28
Response: 164712
Amount: 49.598999



Reviewer: squiresb, 23-Aug-2011 16:57:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MS | Lab Sample ID: 510-69047-7 MS

Matrix: Solid | Lab File ID: C4962.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:35

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.97(g) | Date Analyzed: 08/23/2011 19:04

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.11		0.022	0.0027
208-96-8	Acenaphthylene	1.04		0.022	0.0034
120-12-7	Anthracene	1.28		0.022	0.0034
56-55-3	Benzo[a]anthracene	1.27		0.022	0.0023
50-32-8	Benzo[a]pyrene	1.55		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	1.45		0.022	0.0031
191-24-2	Benzo[g,h,i]perylene	1.46		0.022	0.0024
207-08-9	Benzo[k]fluoranthene	1.64		0.022	0.0023
218-01-9	Chrysene	1.34		0.022	0.0021
53-70-3	Dibenz(a,h)anthracene	1.55		0.022	0.0029
206-44-0	Fluoranthene	0.949		0.022	0.0044
129-00-0	Pyrene	2.50		0.022	0.0040
86-73-7	Fluorene	1.18		0.022	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	1.40		0.022	0.0024
91-20-3	Naphthalene	0.988		0.022	0.0035
85-01-8	Phenanthrene	1.20		0.022	0.0033

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	123		10-194
4165-60-0	Nitrobenzene-d5	32		10-117
321-60-8	2-Fluorobiphenyl	54		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D
Lims ID: 510-69047-I-7-E MS Client ID: SSW-1
Inject. Date: 23-Aug-2011 19:04:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 510-69047-7MS
Misc. Info.: 510-0005429-013 =510-0005429-013
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 85539 Lims Sample ID: 13
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:15:15

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.361	2.375	-0.014	1	355159	40.0	70.0- 130.0	100.0	
115	2.361	2.375	-0.014		188363		25.1- 85.1	53.0	
$ 49 Nitrobenzene-d5									
82	3.049	3.030	0.019	1	135595	15.8	70.0- 130.0	100.0	
128	3.049	3.030	0.019		83917		22.6- 82.6	61.9	
54	3.038	3.030	0.008		63241		21.4- 81.4	46.6	
* 57 Naphthalene-d8									s
136	3.877	3.869	0.008	1	628796	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.898	3.891	0.007	0	568882	27.4	70.0- 130.0	100.0	
129	3.898	3.891	0.007		69143		0.0- 41.2	12.2	
127	3.898	3.891	0.007		74862		0.0- 42.4	13.2	
62 2-Methylnaphthalene									
142	4.748	4.729	0.019	1	400164	32.6	70.0- 130.0	100.0	
141	4.748	4.729	0.019		271064		46.6- 106.6	67.7	
115	4.737	4.729	0.008		141205		9.0- 69.0	35.3	
$ 66 2-Fluorobiphenyl									
172	5.231	5.224	0.007	1	377690	26.9			
71 Acenaphthylene									
152	5.782	5.784	-0.002	1	514352	28.8	70.0- 130.0	100.0	
151	5.782	5.784	-0.002		102004		0.0- 47.8	19.8	
* 73 Acenaphthene-d10									s
164	5.968	5.958	0.010	1	290690	40.0	70.0- 130.0	100.0	
162	5.968	5.958	0.010		263059		59.4- 119.4	90.5	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.005	5.982	0.023	0	305717	30.8	70.0- 130.0	100.0	M
152	0.0	5.982	-5.982		0		25.6- 85.6		
153	0.0	5.982	-5.982		0		77.5- 137.5		
80 Fluorene									
166	6.612	6.602	0.010	5	354072	32.7	70.0- 130.0	100.0	
165	6.612	6.602	0.010		305399		57.9- 117.9	86.3	
* 90 Phenanthrene-d10									
188	7.802	7.792	0.010	1	385061	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.839	7.817	0.022	1	447748	33.2	70.0- 130.0	100.0	
179	7.839	7.817	0.022		80172		0.0- 45.5	17.9	
92 Anthracene									
178	7.914	7.879	0.035	1	485201	35.6	70.0- 130.0	100.0	
179	7.914	7.879	0.035		87280		0.0- 44.6	18.0	
95 Fluoranthene									
202	9.178	9.155	0.023	1	346957	26.3	70.0- 130.0	100.0	
101	9.165	9.155	0.010		42778		0.0- 44.7	12.3	
203	9.178	9.155	0.023		67209		0.0- 48.3	19.4	
97 Pyrene									
202	9.376	9.366	0.010	18	289114	69.3	70.0- 130.0	100.0	
101	9.364	9.366	-0.002		49501		0.0- 46.4	17.1	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	100819	61.5	70.0- 130.0	100.0	
122	9.599	9.589	0.010		24284		0.0- 52.6	24.1	
101 Benzo[a]anthracene									
228	10.454	10.444	0.010	0	119439	35.3	70.0- 130.0	100.0	
229	10.454	10.444	0.010		25075		0.0- 50.6	21.0	
226	10.454	10.444	0.010		32271		0.0- 56.7	27.0	
* 103 Chrysene-d12									
240	10.467	10.457	0.010	1	83623	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	10.479	10.481	-0.002	1	146980	37.2	70.0- 130.0	100.0	
226	10.479	10.481	-0.002		41601		0.0- 58.4	28.3	
229	10.479	10.481	-0.002		30819		0.0- 50.8	21.0	
106 Benzo[b]fluoranthene									M
252	11.285	11.275	0.010	1	84127	40.3	70.0- 130.0	100.0	M
253	11.310	11.275	0.035		40829		23.1- 83.1	48.5	
107 Benzo[k]fluoranthene									M
252	11.310	11.299	0.011	1	131101	45.4	70.0- 130.0	100.0	M
253	11.310	11.299	0.011		40829		0.0- 59.4	31.1	
108 Benzo[a]pyrene									
252	11.508	11.510	-0.002	1	81506	43.0	70.0- 130.0	100.0	
253	11.520	11.510	0.010		18721		0.0- 52.0	23.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	11.558	11.547	0.011	1	54763	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	12.252	12.254	-0.002	1	73380	38.7	70.0- 130.0	100.0	
138	12.252	12.254	-0.002		25336		5.0- 65.0	34.5	
111 Dibenz(a,h)anthracene									M
278	12.276	12.276	0.010	1	67604	42.9	70.0- 130.0	100.0	M
139	12.264	12.276	-0.002		13668		0.0- 48.1	20.2	
24 Benzo[g,h,i]perylene									
276	12.413	12.403	0.010	1	70169	40.4	70.0- 130.0	100.0	
138	12.400	12.403	-0.003		20641		0.0- 57.4	29.4	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

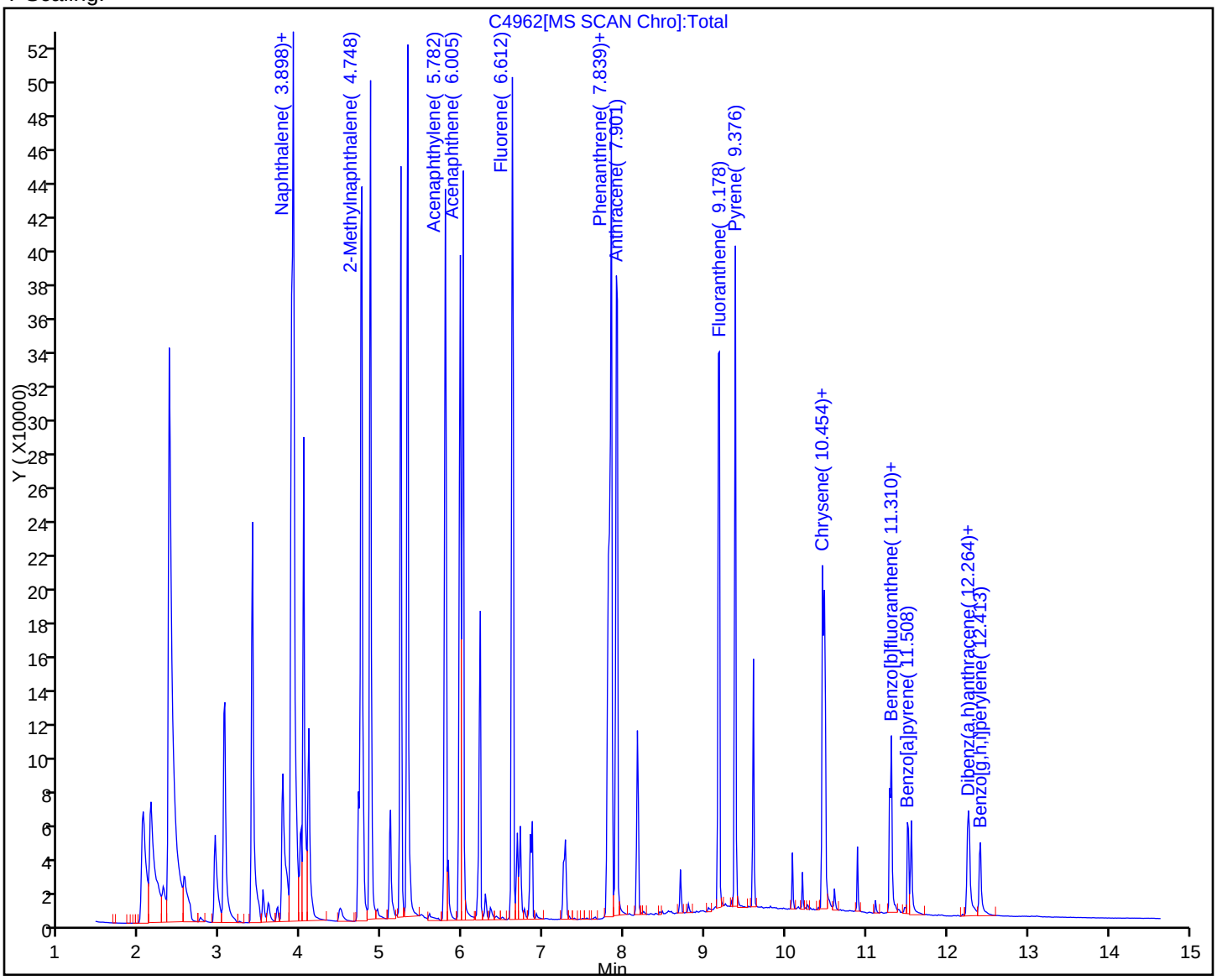
Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:16:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D

Injection Date:	23-Aug-2011 19:04:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 24-Aug-2011 09:16:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

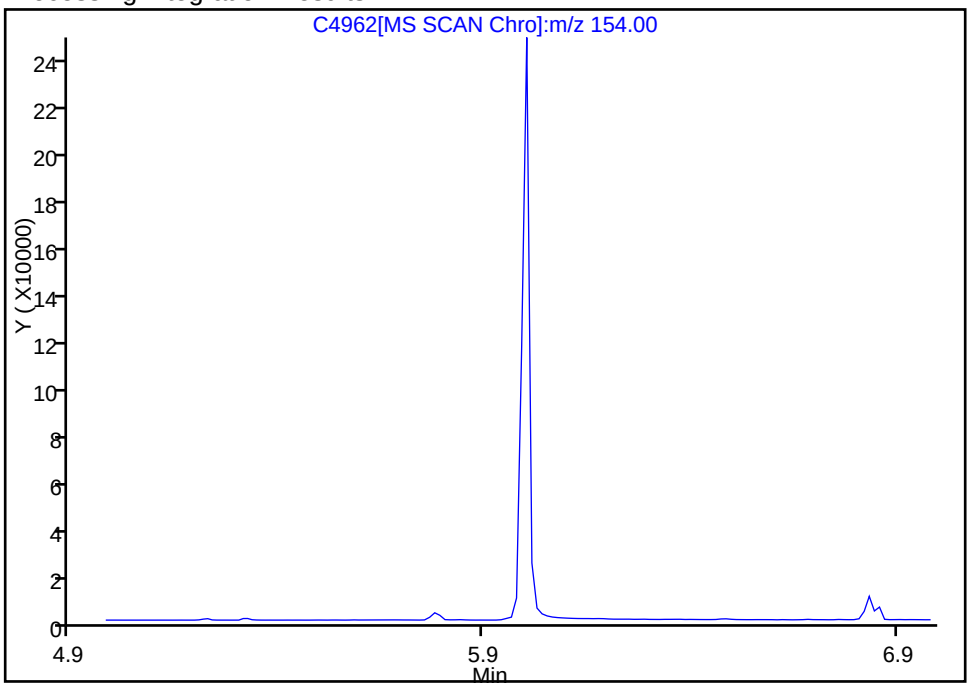
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D		
Injection Date:	23-Aug-2011 19:04:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.98

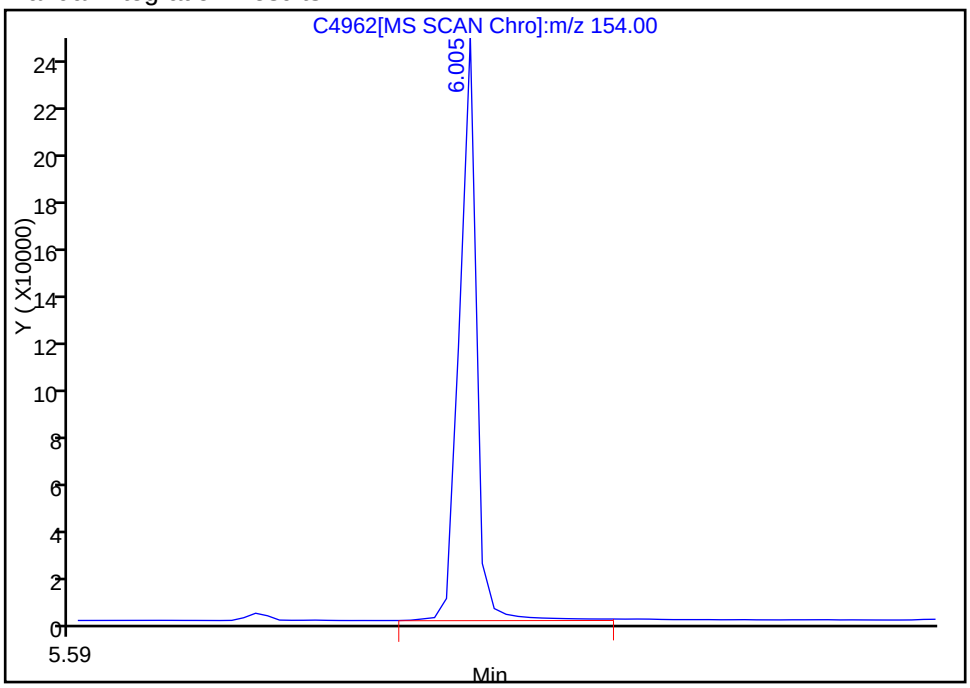
Processing Integration Results

Not Detected
Expected RT: 5.98



Manual Integration Results

RT: 6.00
Response: 305717
Amount: 30.759110



Reviewer: squiresb, 24-Aug-2011 09:15:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

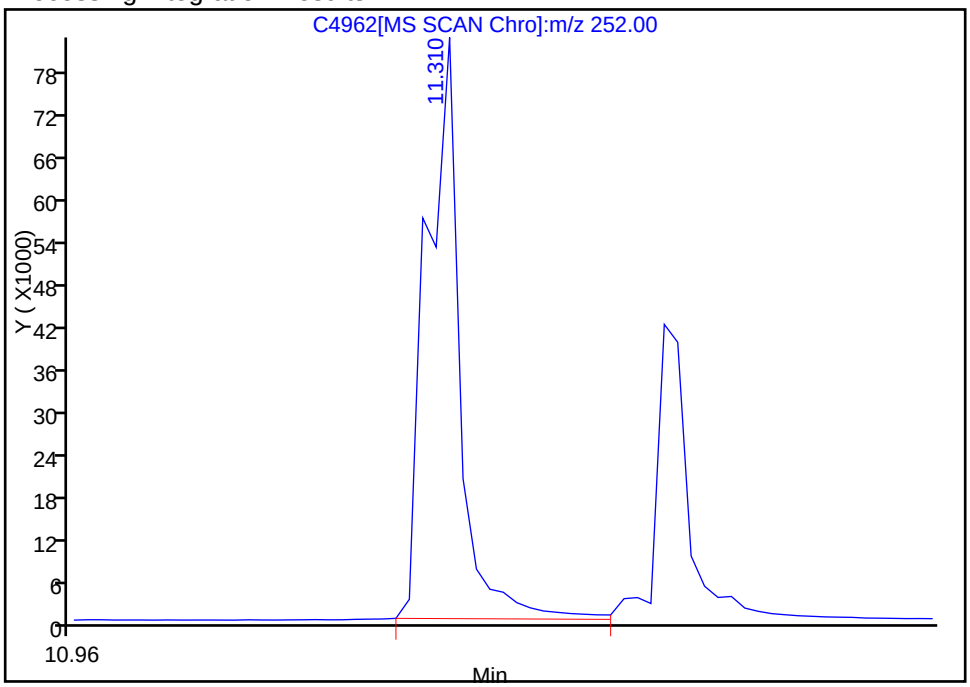
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D		
Injection Date:	23-Aug-2011 19:04:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.27

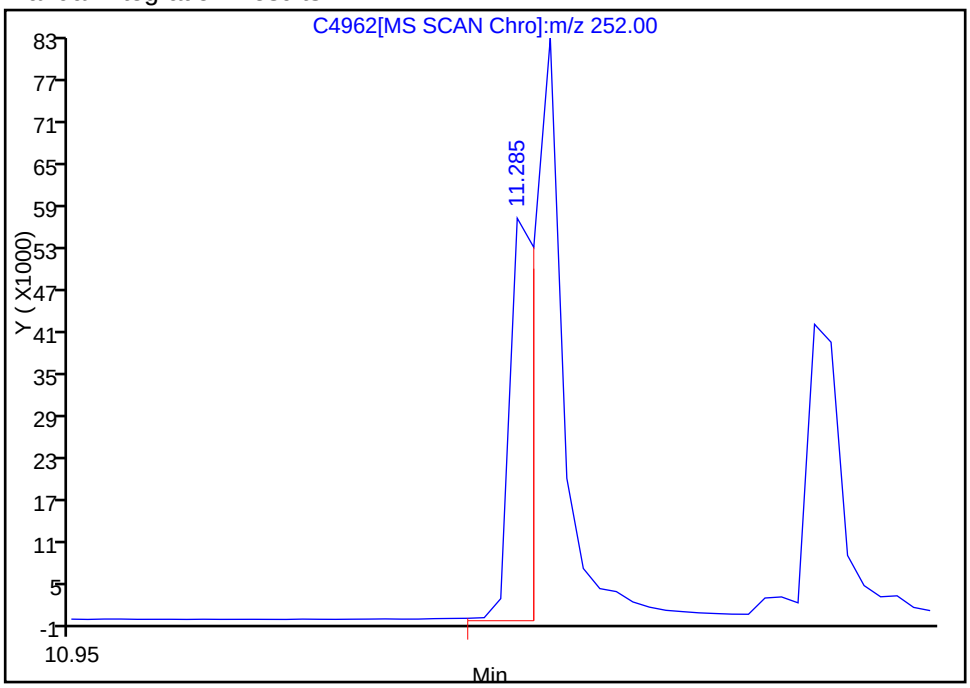
Processing Integration Results

RT: 11.31
Response: 175548
Amount: 84.051236



Manual Integration Results

RT: 11.28
Response: 84127
Amount: 40.279458



Reviewer: squiresb, 24-Aug-2011 09:15:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

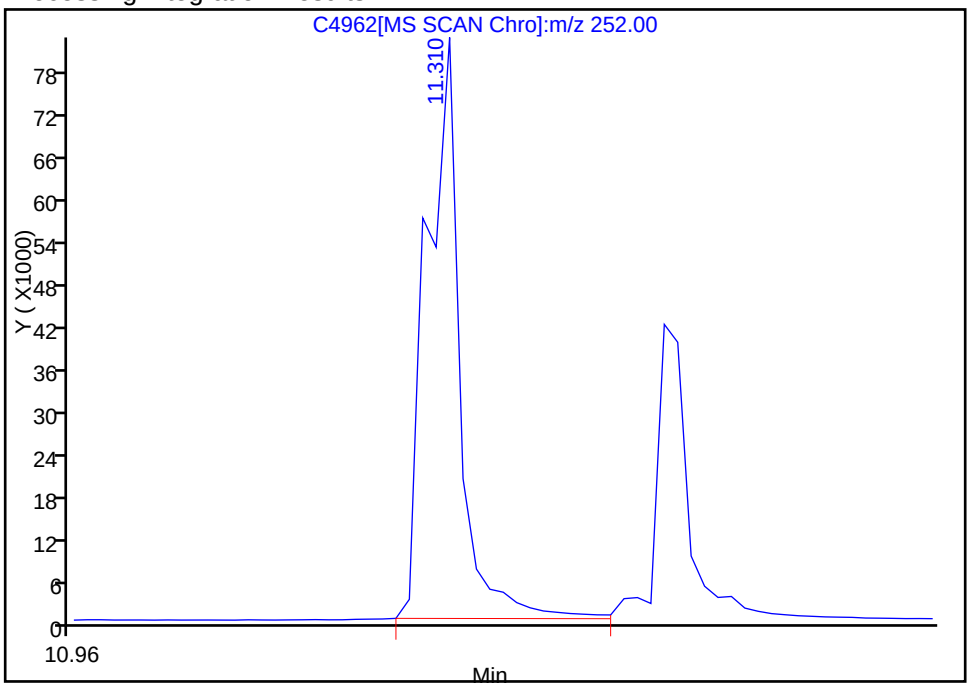
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D		
Injection Date:	23-Aug-2011 19:04:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.30

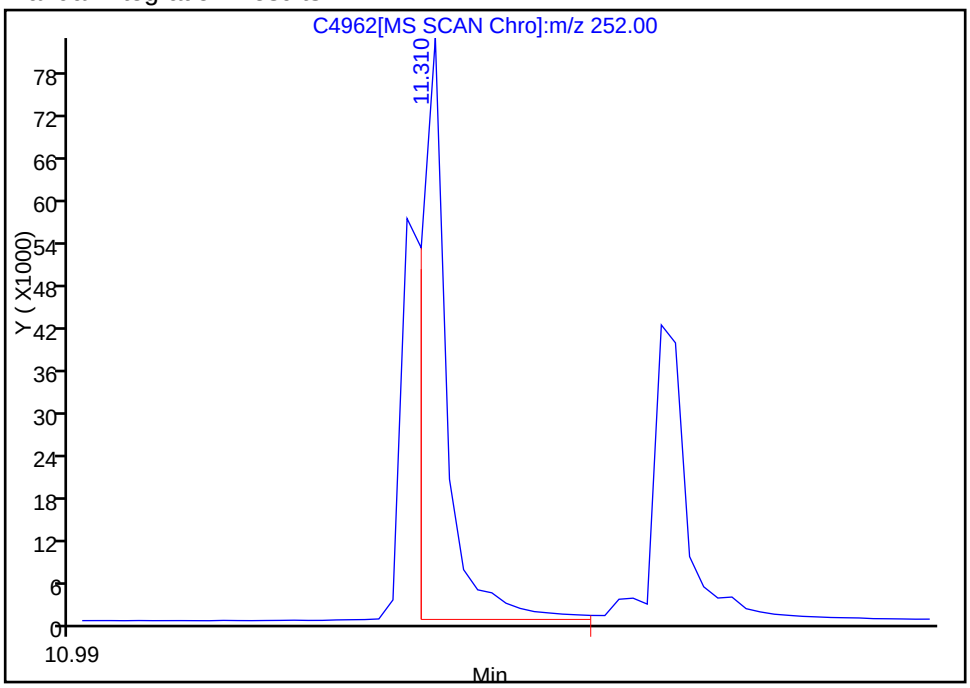
Processing Integration Results

RT: 11.31
Response: 174967
Amount: 60.563296



Manual Integration Results

RT: 11.31
Response: 131101
Amount: 45.379464



Reviewer: squiresb, 24-Aug-2011 09:15:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

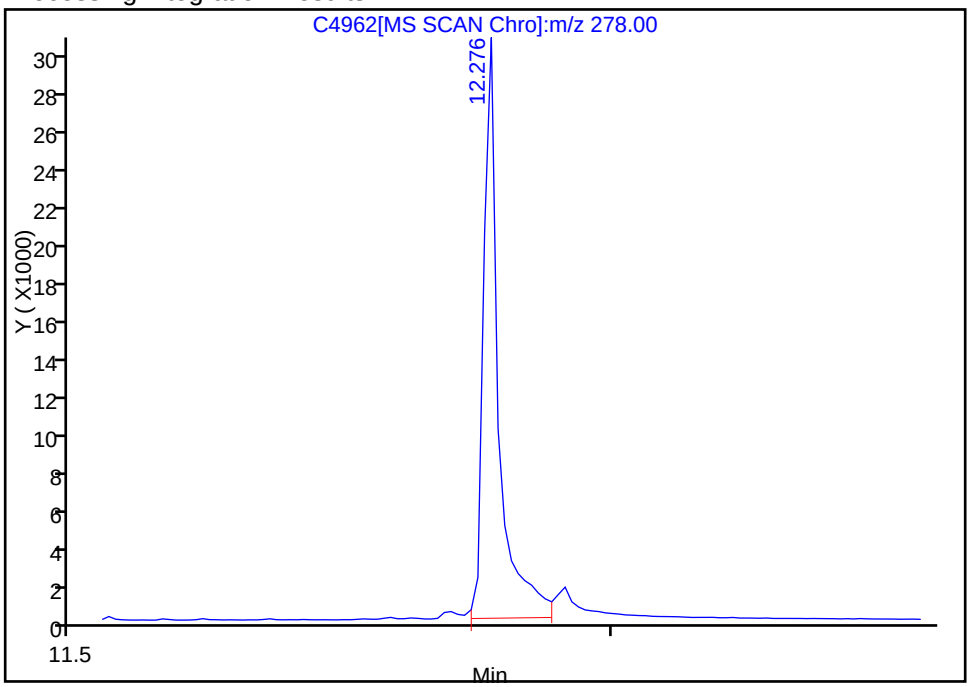
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4962.D		
Injection Date:	23-Aug-2011 19:04:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.27

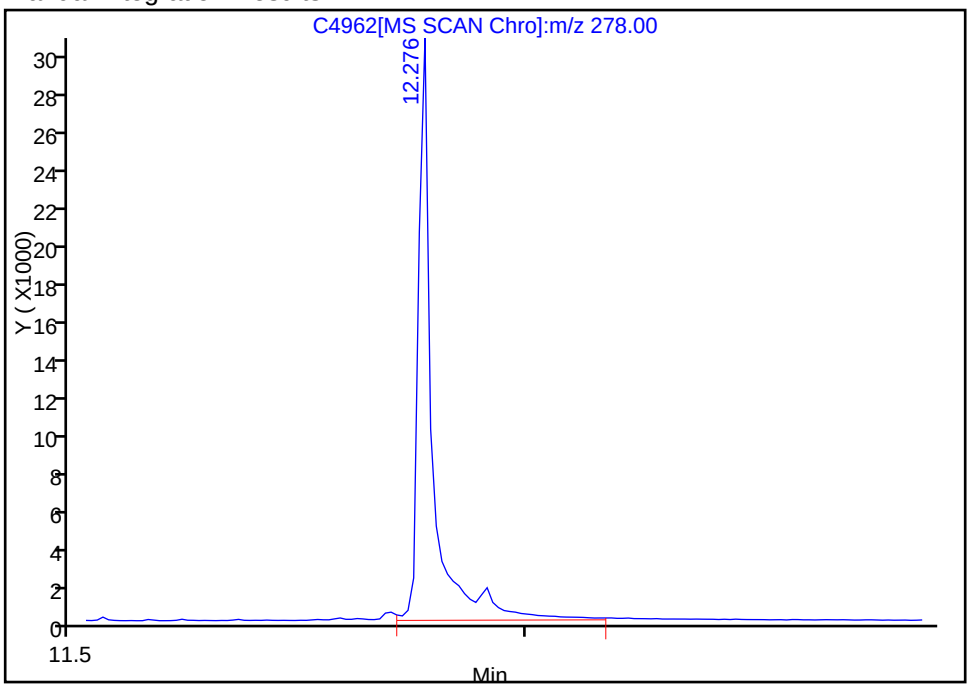
Processing Integration Results

RT: 12.28
Response: 59726
Amount: 37.890195



Manual Integration Results

RT: 12.28
Response: 67604
Amount: 42.861560



Reviewer: squiresb, 24-Aug-2011 09:16:27
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MSD | Lab Sample ID: 510-69047-7 MSD

Matrix: Solid | Lab File ID: C4963.D

Analysis Method: 8270C SIM | Date Collected: 08/18/2011 13:35

Extract. Method: 3541 | Date Extracted: 08/23/2011 08:15

Sample wt/vol: 30.04(g) | Date Analyzed: 08/23/2011 19:24

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85539 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.20		0.022	0.0028
208-96-8	Acenaphthylene	1.17		0.022	0.0035
120-12-7	Anthracene	1.23		0.022	0.0035
56-55-3	Benzo[a]anthracene	1.32		0.022	0.0024
50-32-8	Benzo[a]pyrene	1.47		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	1.58		0.022	0.0032
191-24-2	Benzo[g,h,i]perylene	1.25		0.022	0.0025
207-08-9	Benzo[k]fluoranthene	1.55		0.022	0.0023
218-01-9	Chrysene	1.32		0.022	0.0022
53-70-3	Dibenz(a,h)anthracene	1.35		0.022	0.0030
206-44-0	Fluoranthene	0.792		0.022	0.0045
129-00-0	Pyrene	2.89		0.022	0.0041
86-73-7	Fluorene	1.28		0.022	0.0030
193-39-5	Indeno[1,2,3-cd]pyrene	1.21		0.022	0.0025
91-20-3	Naphthalene	1.24		0.022	0.0036
85-01-8	Phenanthrene	1.25		0.022	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	154		10-194
4165-60-0	Nitrobenzene-d5	40		10-117
321-60-8	2-Fluorobiphenyl	62		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D
Lims ID: 510-69047-I-7-F MSD Client ID: SSW-1
Inject. Date: 23-Aug-2011 19:24:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 510-69047-7MSD
Misc. Info.: 510-0005429-014 =510-0005429-014
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 14
Lims Batch ID: 85539 Lims Sample ID: 14
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110823-5429.b\SIM-PNAB.m
Last Update: 23-Aug-2011 15:30:51 Calib Date: 19-Aug-2011 12:50:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110819-5411.b\C4928.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: 24-Aug-2011 09:16:11

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									s
152	2.362	2.375	-0.013	1	342099	40.0	70.0- 130.0	100.0	
115	2.362	2.375	-0.013		182530		25.1- 85.1	53.4	
$ 49 Nitrobenzene-d5									
82	3.050	3.030	0.020	1	163640	20.0	70.0- 130.0	100.0	
128	3.050	3.030	0.020		101140		22.6- 82.6	61.8	
54	3.050	3.030	0.020		75931		21.4- 81.4	46.4	
* 57 Naphthalene-d8									s
136	3.878	3.869	0.009	1	598527	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	3.899	3.891	0.008	0	661003	33.4	70.0- 130.0	100.0	
129	3.899	3.891	0.008		81041		0.0- 41.2	12.3	
127	3.899	3.891	0.008		87382		0.0- 42.4	13.2	
62 2-Methylnaphthalene									M
142	4.749	4.749	0.020	1	437452	37.5	70.0- 130.0	100.0	M
141	4.749	4.749	0.020		304129		46.6- 106.6	69.5	
115	4.738	4.749	0.009		162994		9.0- 69.0	37.3	
$ 66 2-Fluorobiphenyl									
172	5.233	5.224	0.009	1	416300	31.3			
71 Acenaphthylene									
152	5.782	5.784	-0.002	1	529500	31.4	70.0- 130.0	100.0	
151	5.782	5.784	-0.002		105366		0.0- 47.8	19.9	
* 73 Acenaphthene-d10									s
164	5.968	5.958	0.010	1	274983	40.0	70.0- 130.0	100.0	
162	5.968	5.958	0.010		249867		59.4- 119.4	90.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									M
154	6.005	6.005	0.023	0	303158	32.2	70.0- 130.0	100.0	M
152	0.0	6.005	-5.982		0		25.6- 85.6		
153	0.0	6.005	-5.982		0		77.5- 137.5		
80 Fluorene									
166	6.612	6.602	0.010	5	350872	34.3	70.0- 130.0	100.0	
165	6.612	6.602	0.010		303114		57.9- 117.9	86.4	
* 90 Phenanthrene-d10									
188	7.802	7.792	0.010	1	373064	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	7.839	7.817	0.022	1	439427	33.6	70.0- 130.0	100.0	
179	7.839	7.817	0.022		76071		0.0- 45.5	17.3	
92 Anthracene									
178	7.901	7.879	0.022	1	437805	33.1	70.0- 130.0	100.0	
179	7.901	7.879	0.022		76306		0.0- 44.6	17.4	
95 Fluoranthene									
202	9.166	9.155	0.011	3	273136	21.3	70.0- 130.0	100.0	
101	9.166	9.155	0.011		44765		0.0- 44.7	16.4	
203	9.166	9.155	0.011		52895		0.0- 48.3	19.4	
97 Pyrene									
202	9.376	9.366	0.010	17	264478	77.7	70.0- 130.0	100.0	
101	9.364	9.366	-0.002		42830		0.0- 46.4	16.2	
$ 98 Terphenyl-d14									
244	9.599	9.589	0.010	1	103126	77.1	70.0- 130.0	100.0	
122	9.587	9.589	-0.002		21225		0.0- 52.6	20.6	
101 Benzo[a]anthracene									
228	10.455	10.444	0.011	1	98280	35.6	70.0- 130.0	100.0	
229	10.455	10.444	0.011		20167		0.0- 50.6	20.5	
226	10.455	10.444	0.011		27049		0.0- 56.7	27.5	
* 103 Chrysene-d12									s
240	10.467	10.457	0.010	1	68282	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	10.479	10.479	-0.002	1	114326	35.4	70.0- 130.0	100.0	M
226	10.455	10.479	-0.026		27049		0.0- 58.4	23.7	
229	10.455	10.479	-0.026		20167		0.0- 50.8	17.6	
106 Benzo[b]fluoranthene									M
252	11.285	11.285	0.010	1	57332	42.4	70.0- 130.0	100.0	M
253	11.310	11.285	0.035		25062		23.1- 83.1	43.7	
107 Benzo[k]fluoranthene									M
252	11.310	11.310	0.011	1	77985	41.7	70.0- 130.0	100.0	M
253	11.310	11.310	0.011		25062		0.0- 59.4	32.1	
108 Benzo[a]pyrene									
252	11.508	11.510	-0.002	1	48519	39.5	70.0- 130.0	100.0	
253	11.508	11.510	-0.002		10198		0.0- 52.0	21.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									sM
264	11.558	11.547	0.011	0	35424	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	12.252	12.254	-0.002	1	39830	32.6	70.0- 130.0	100.0	
138	12.252	12.254	-0.002		14048		5.0- 65.0	35.3	
111 Dibenz(a,h)anthracene									M
278	12.277	12.277	0.011	1	36865	36.2	70.0- 130.0	100.0	M
139	12.264	12.277	-0.002		7781		0.0- 48.1	21.1	
24 Benzo[g,h,i]perylene									
276	12.413	12.403	0.010	1	37719	33.6	70.0- 130.0	100.0	
138	12.401	12.403	-0.002		10430		0.0- 57.4	27.7	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

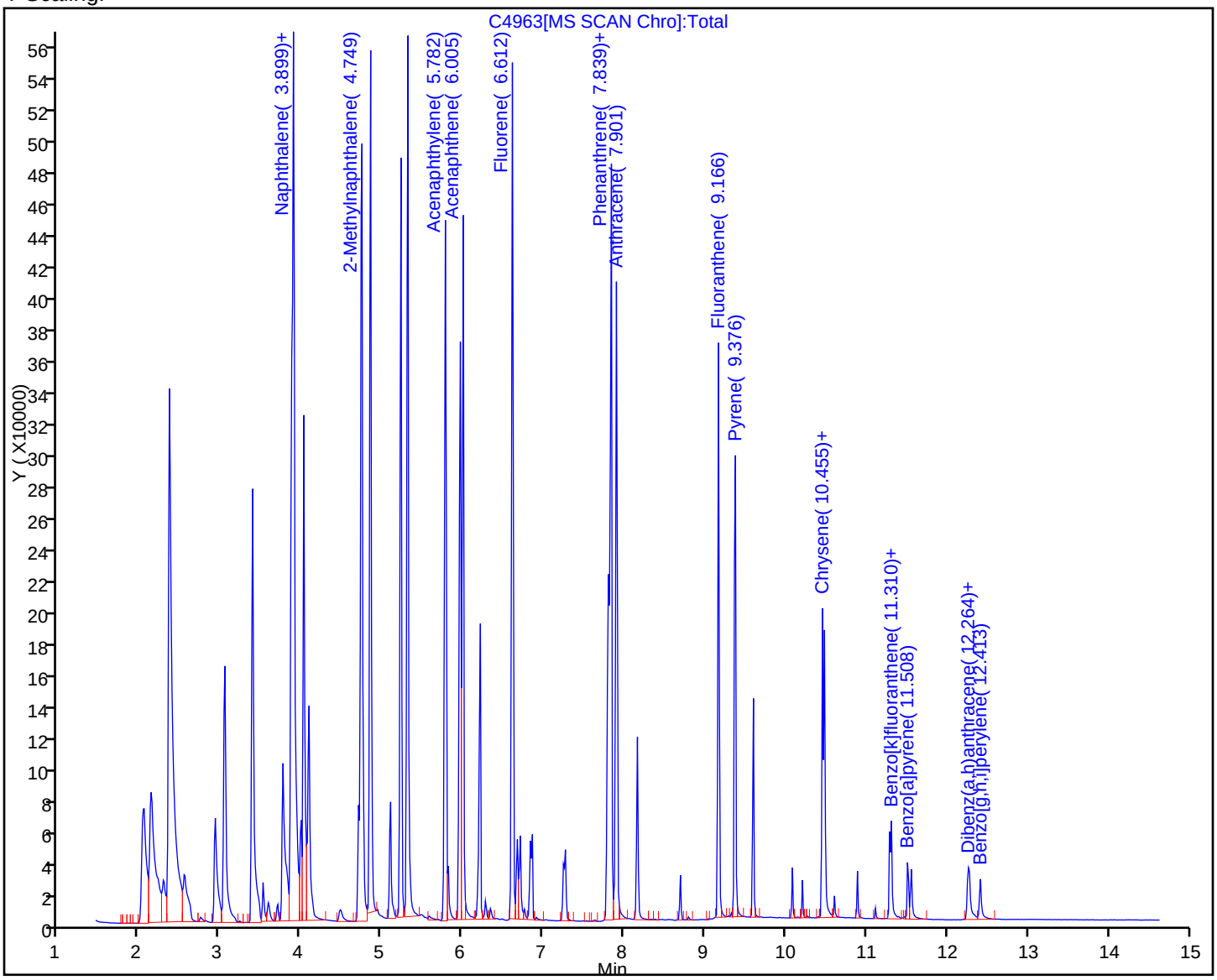
Review Flags
M - Manually Integrated

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D

Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

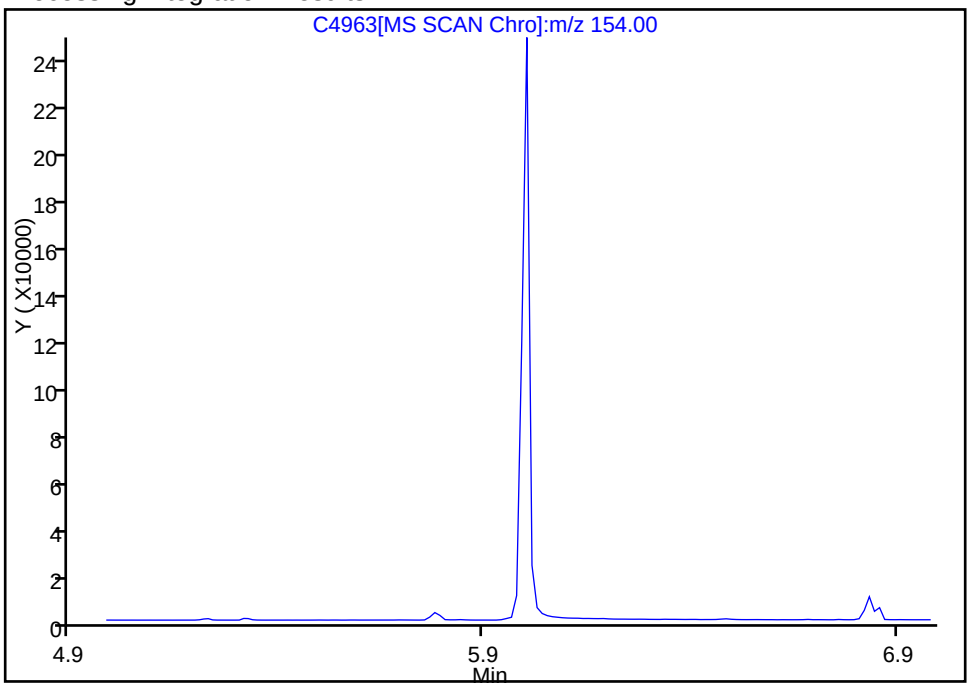
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

74 Acenaphthene, Signal: 1, m/z: 154.0 Type: quant, RT: 5.98

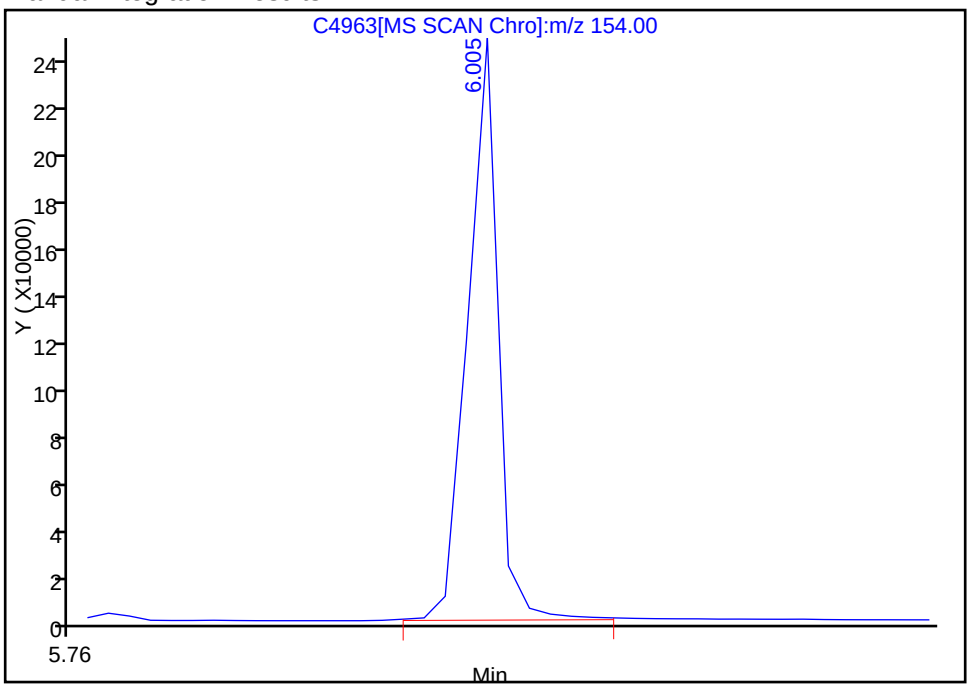
Processing Integration Results

Not Detected
Expected RT: 5.98



Manual Integration Results

RT: 6.01
Response: 303158
Amount: 32.243892



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

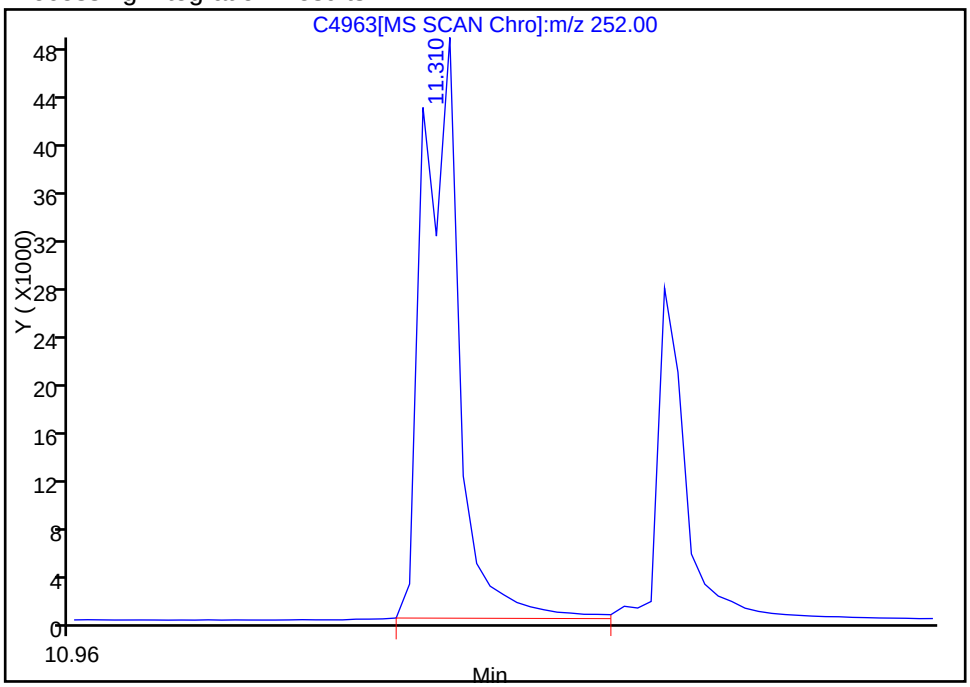
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.27

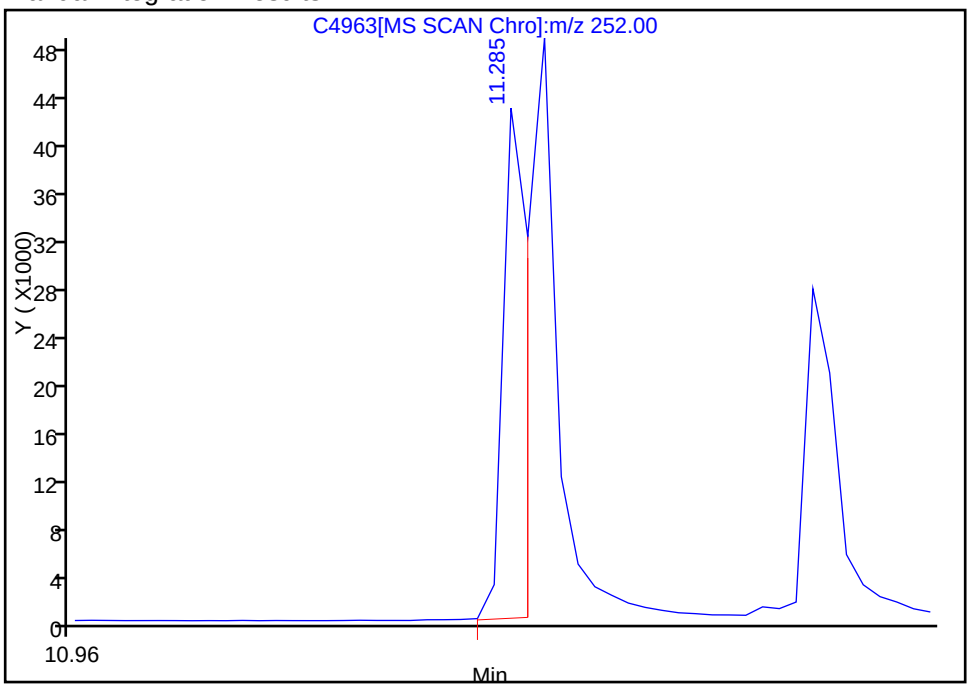
Processing Integration Results

RT: 11.31
Response: 112640
Amount: 0



Manual Integration Results

RT: 11.29
Response: 57332
Amount: 42.436049



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

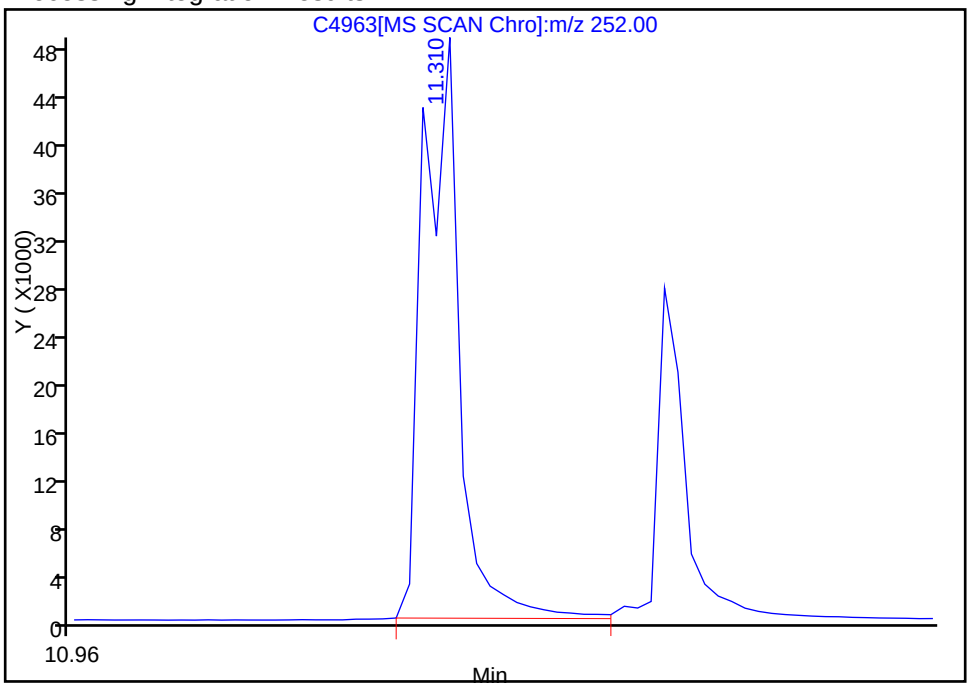
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 11.30

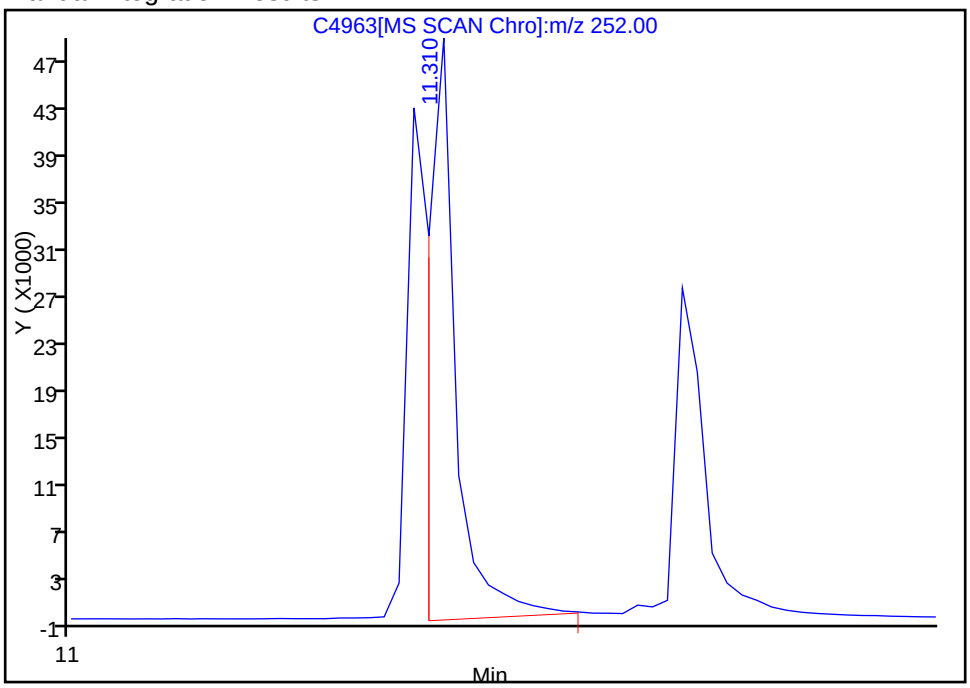
Processing Integration Results

RT: 11.31
Response: 112640
Amount: 0



Manual Integration Results

RT: 11.31
Response: 77985
Amount: 41.730546



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

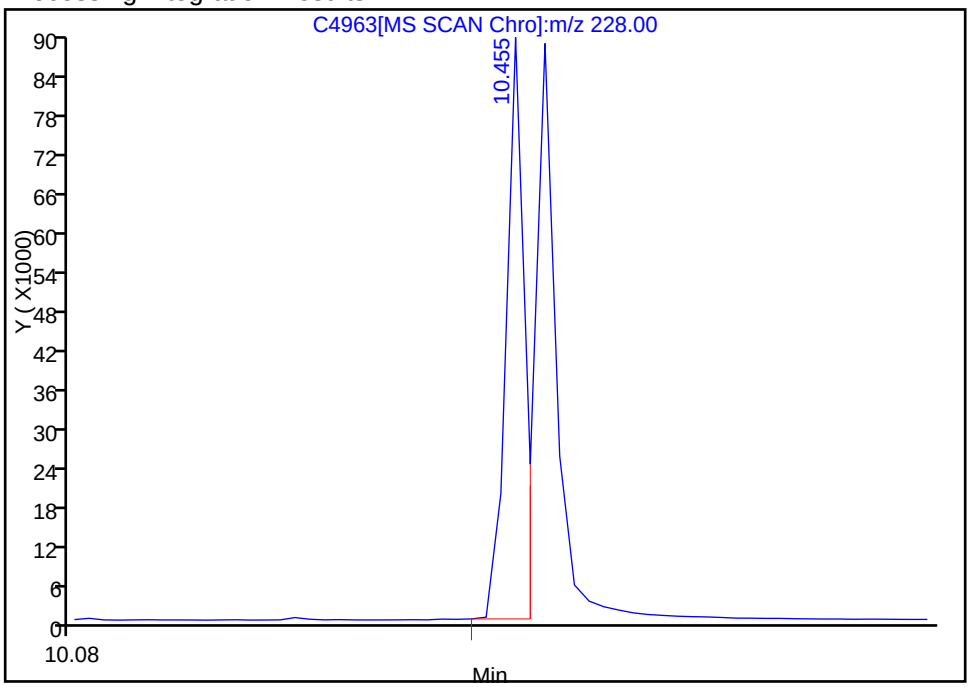
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.48

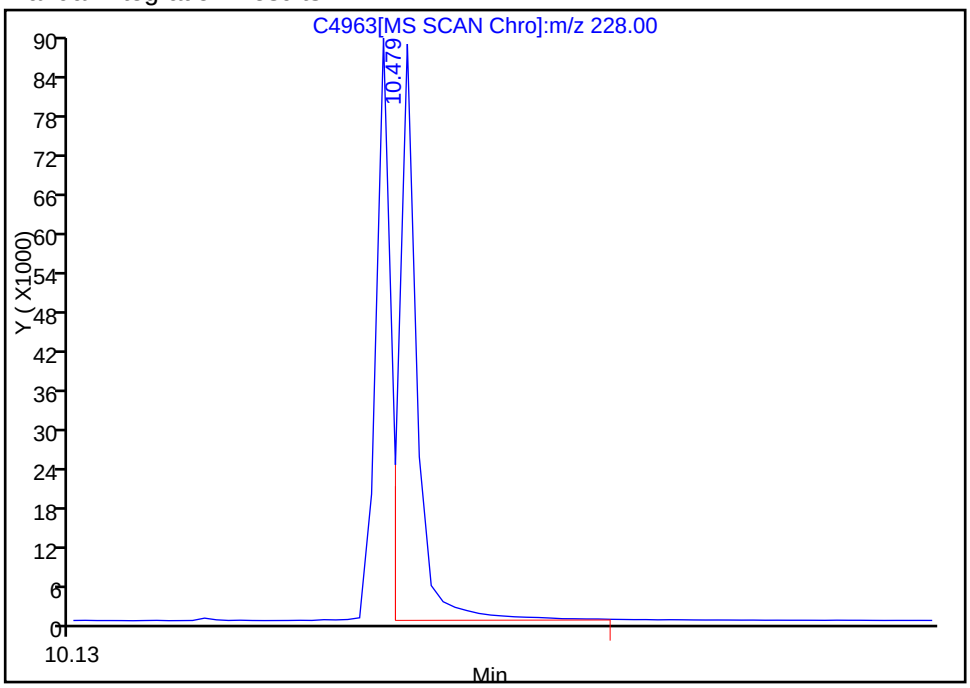
Processing Integration Results

RT: 10.45
Response: 98280
Amount: 30.471390



Manual Integration Results

RT: 10.48
Response: 114326
Amount: 35.446400



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

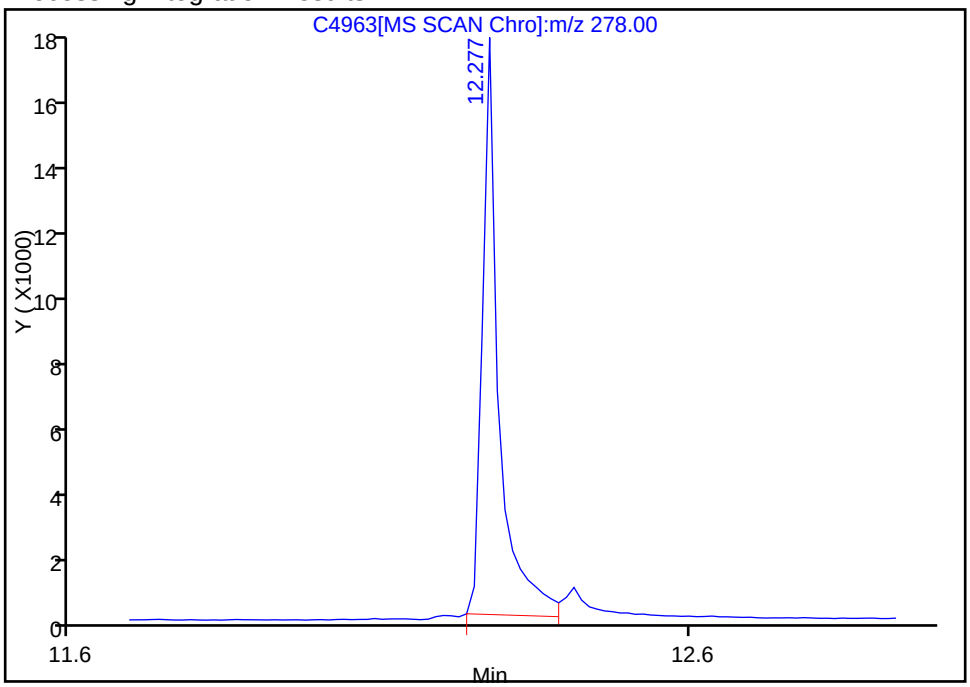
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 12.27

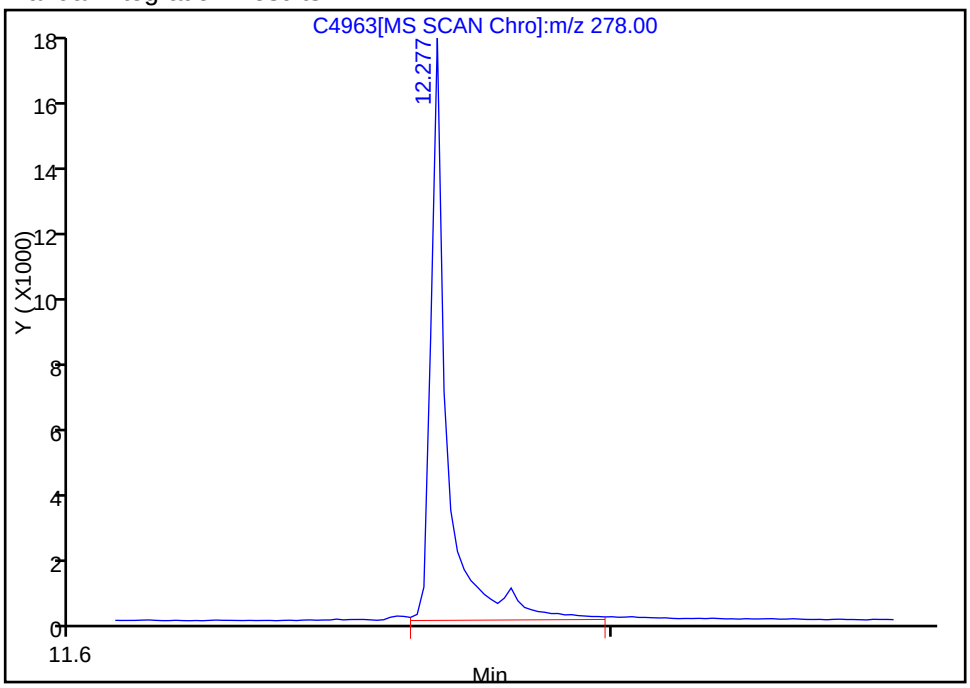
Processing Integration Results

RT: 12.28
Response: 32158
Amount: 31.572178



Manual Integration Results

RT: 12.28
Response: 36865
Amount: 36.164090



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 24-Aug-2011 09:16:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

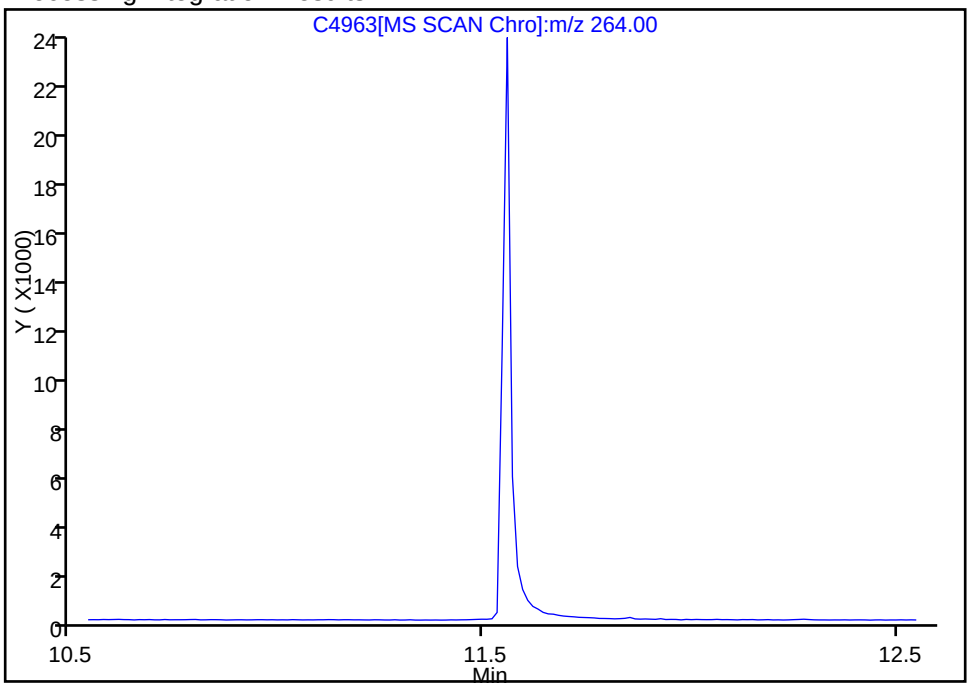
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110823-5429.b\C4963.D		
Injection Date:	23-Aug-2011 19:24:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SSW-1	Instrument ID:	SMSB
Lims Batch ID:	85539	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 11.55

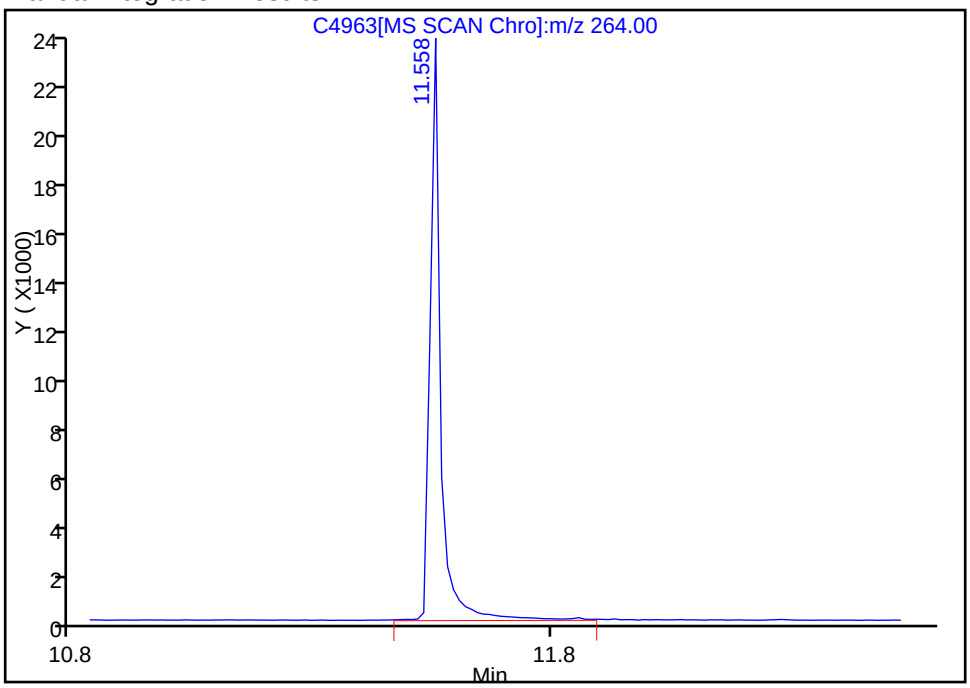
Processing Integration Results

Not Detected
Expected RT: 11.55



Manual Integration Results

RT: 11.56
Response: 35424
Amount: 40.000000



Reviewer: squiresb, 24-Aug-2011 09:16:11
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Start Date: 08/19/2011 10:07

Analysis Batch Number: 85359 End Date: 08/19/2011 17:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-85359/1		08/19/2011 10:07	1	C4920.D	8270/625 0.25(mm)
IC 510-85359/2		08/19/2011 10:22	1	C4921.D	8270/625 0.25(mm)
IC 510-85359/3		08/19/2011 10:43	1	C4922.D	8270/625 0.25(mm)
IC 510-85359/4		08/19/2011 11:05	1	C4923.D	8270/625 0.25(mm)
IC 510-85359/5		08/19/2011 11:26	1	C4924.D	8270/625 0.25(mm)
IC 510-85359/6		08/19/2011 11:47	1	C4925.D	8270/625 0.25(mm)
IC 510-85359/7 ICIS		08/19/2011 12:08	1	C4926.D	8270/625 0.25(mm)
IC 510-85359/8		08/19/2011 12:29	1	C4927.D	8270/625 0.25(mm)
IC 510-85359/9		08/19/2011 12:50	1	C4928.D	8270/625 0.25(mm)
ICV 510-85359/10		08/19/2011 13:12	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 13:33	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 13:54	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:15	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:36	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 14:57	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 15:19	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 15:40	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:01	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:22	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 16:43	1		8270/625 0.25(mm)
ZZZZZ		08/19/2011 17:05	10		8270/625 0.25(mm)
ZZZZZ		08/19/2011 17:26	10		8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SMSB Start Date: 08/23/2011 14:56

Analysis Batch Number: 85539 End Date: 08/23/2011 19:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-85539/1		08/23/2011 14:56	1	C4950.D	8270/625 0.25(mm)
SSTD020 510-85539/2 CCVIS		08/23/2011 15:10	1	C4951.D	8270/625 0.25(mm)
MB 510-85491/1-A		08/23/2011 15:40	1	C4952.D	8270/625 0.25(mm)
LCS 510-85491/2-A		08/23/2011 16:00	1	C4953.D	8270/625 0.25(mm)
510-69047-1	NSW-1	08/23/2011 16:41	1	C4955.D	8270/625 0.25(mm)
510-69047-2	ESW-1	08/23/2011 17:01	1	C4956.D	8270/625 0.25(mm)
510-69047-3	WSW-1	08/23/2011 17:22	1	C4957.D	8270/625 0.25(mm)
510-69047-4	WFS-1	08/23/2011 17:42	1	C4958.D	8270/625 0.25(mm)
510-69047-5	EFS-1	08/23/2011 18:03	1	C4959.D	8270/625 0.25(mm)
510-69047-6	FIELD DUPLICATE	08/23/2011 18:23	1	C4960.D	8270/625 0.25(mm)
510-69047-7	SSW-1	08/23/2011 18:43	1	C4961.D	8270/625 0.25(mm)
510-69047-7 MS	SSW-1 MS	08/23/2011 19:04	1	C4962.D	8270/625 0.25(mm)
510-69047-7 MSD	SSW-1 MSD	08/23/2011 19:24	1	C4963.D	8270/625 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Batch Number: 85491 Batch Start Date: 08/23/11 08:15 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00039	MSBSurr 00030		
MB 510-85491/1		3541, 8270C SIM		30 g	1 mL		500 uL		
LCS 510-85491/2		3541, 8270C SIM		30 g	1 mL	500 uL	500 uL		
510-69047-I-1	NSW-1	3541, 8270C SIM	T	30.11 g	1 mL		500 uL		
510-69047-I-2	ESW-1	3541, 8270C SIM	T	30.14 g	1 mL		500 uL		
510-69047-I-3	WSW-1	3541, 8270C SIM	T	30.06 g	1 mL		500 uL		
510-69047-I-4	WFS-1	3541, 8270C SIM	T	30.62 g	1 mL		500 uL		
510-69047-I-5	EFS-1	3541, 8270C SIM	T	31.52 g	1 mL		500 uL		
510-69047-I-6	FIELD DUPLICATE	3541, 8270C SIM	T	30.18 g	1 mL		500 uL		
510-69047-I-7	SSW-1	3541, 8270C SIM	T	31.22 g	1 mL		500 uL		
510-69047-I-7 MS	SSW-1	3541, 8270C SIM	T	30.97 g	1 mL	500 uL	500 uL		
510-69047-I-7 MSD	SSW-1	3541, 8270C SIM	T	30.04 g	1 mL	500 uL	500 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00005
DCM/CS2 ID	dcm_00060
Vendor lot number	dcm_00060
Na2SO4 Lot Number	opna2so4_00020
Person's name who did the prep	sarah page
Solvent	dcm
Soxtherm Temperature	150
Soxtherm Unit	1,2
First Start time	0815

Basis	Basis Description
T	Total/NA

8015B_GRO

Gasoline Range Organics - (GC) by Method 8015B

FORM II
GASOLINE RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TFT1 #	BFB1 #
NSW-1	510-69047-1	86	52
ESW-1	510-69047-2	94	81
WSW-1	510-69047-3	102	94
WFS-1	510-69047-4	94	63
EFS-1	510-69047-5	91	72
FIELD DUPLICATE	510-69047-6	87	73
SSW-1	510-69047-7	89	52
	MB 500-123725/3	99	96
	MB 500-123727/3	102	98
	LCS 500-123725/4	99	97
	LCS 500-123727/4	103	101
	LCSD 500-123727/6	100	98
SSW-1 MS	510-69047-7 MS	88	54
SSW-1 MSD	510-69047-7 MSD	87	50 X

	QC LIMITS
TFT = a,a,a-Trifluorotoluene	64-116
BFB = 4-Bromofluorobenzene	51-117

Column to be used to flag recovery values

FORM II 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08251114_018.d

Lab ID: LCS 500-123725/4 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C12	0.400	0.414	103	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08261114_004.d

Lab ID: LCS 500-123727/4 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C12	0.400	0.421	105	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08261114_006.d

Lab ID: LCSD 500-123727/6 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C5-C12	0.400	0.426	106	1	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08251114_020.d

Lab ID: 510-69047-7 MS Client ID: SSW-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C5-C12	0.335	0.16	0.426	78	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
GASOLINE RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 08251114_021.d

Lab ID: 510-69047-7 MSD Client ID: SSW-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C5-C12	0.353	0.430	75	1	30	70-130	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: MB 500-123725/3

Matrix: Solid Date Extracted:

Lab File ID:(1) 08251114_017.d Lab File ID:(2)

Date Analyzed:(1) 08/25/2011 13:05 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 500-123725/4	08/25/2011 13:40	
SSW-1	510-69047-7	08/25/2011 14:16	
SSW-1 MS	510-69047-7 MS	08/25/2011 14:51	
SSW-1 MSD	510-69047-7 MSD	08/25/2011 15:27	
NSW-1	510-69047-1	08/25/2011 16:02	
ESW-1	510-69047-2	08/25/2011 16:38	
WFS-1	510-69047-4	08/25/2011 17:49	
EFS-1	510-69047-5	08/25/2011 18:24	
FIELD DUPLICATE	510-69047-6	08/25/2011 19:35	

FORM IV
GASOLINE RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: MB 500-123727/3

Matrix: Solid Date Extracted:

Lab File ID:(1) 08261114_003.d Lab File ID:(2)

Date Analyzed:(1) 08/26/2011 07:25 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 500-123727/4	08/26/2011 08:01	
WSW-1	510-69047-3	08/26/2011 08:36	
	LCSD 500-123727/6	08/26/2011 09:12	

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 510-69047-1

SDG No.:

Client Sample ID: NSW-1 | Lab Sample ID: 510-69047-1

Matrix: Solid | Lab File ID: 08251114_022.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:00

Sample wt/vol: 5.7024(g) | Date Analyzed: 08/25/2011 16:02

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 3.9 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.13		0.018	0.0070

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	52		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\20110826-5405.b\08251114_022.d		
Lims ID:	510-69047-A-1-A	Client ID:	NSW-1
Inject. Date:	25-Aug-2011 16:02:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-1-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	8
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.850	11.839	0.011	10361	17.1	
A 5 C5-C12	14.750	4.536 -	24.964	1320174	145.7	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	6441	10.3	

Report Date: 26-Aug-2011 03:12:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_022.d

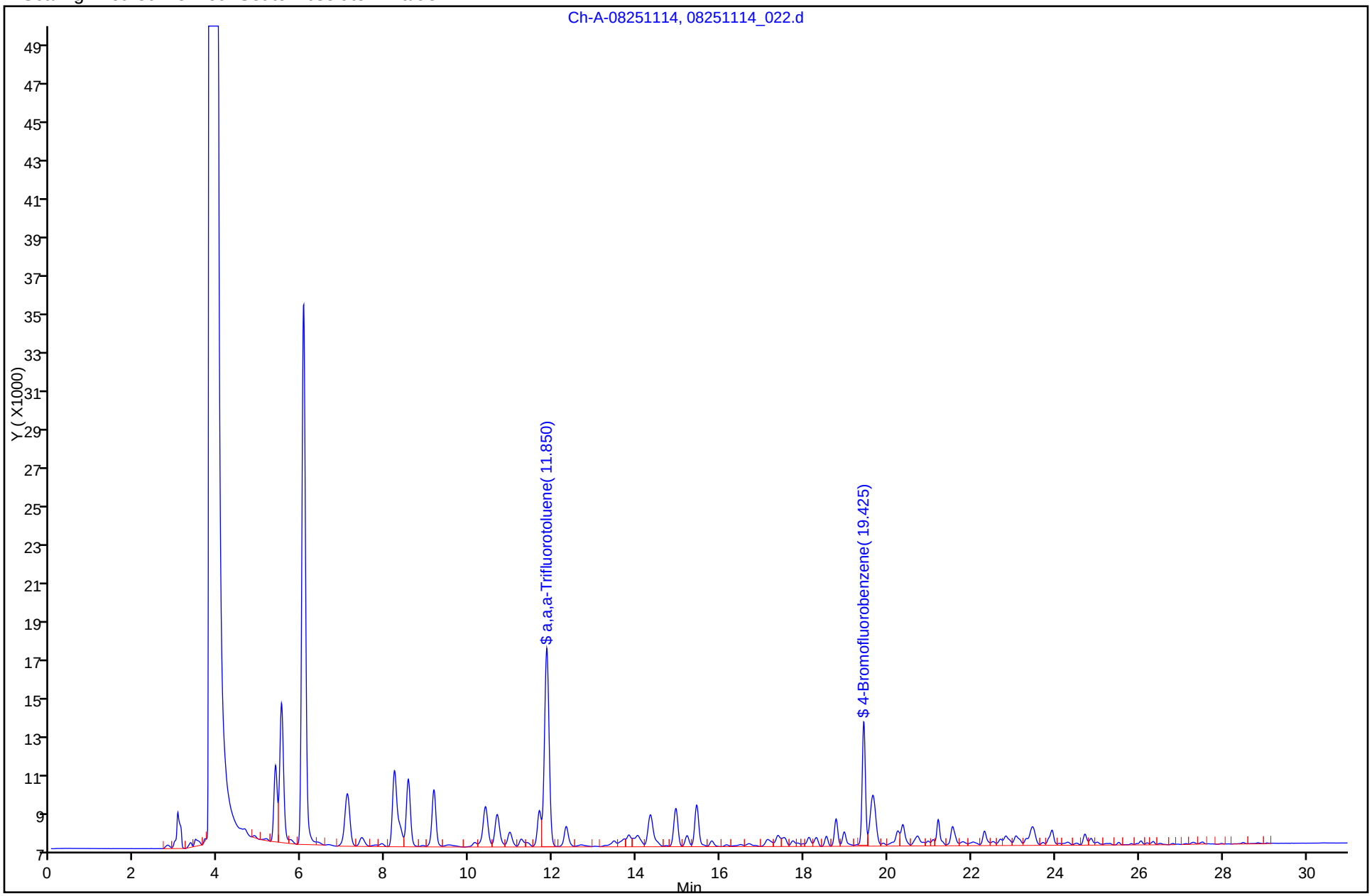
Injection Date: 25-Aug-2011 16:02:54 Limit Group: GCVOA_8015B_GRO

Client ID: NSW-1 Instrument ID: INST13-14

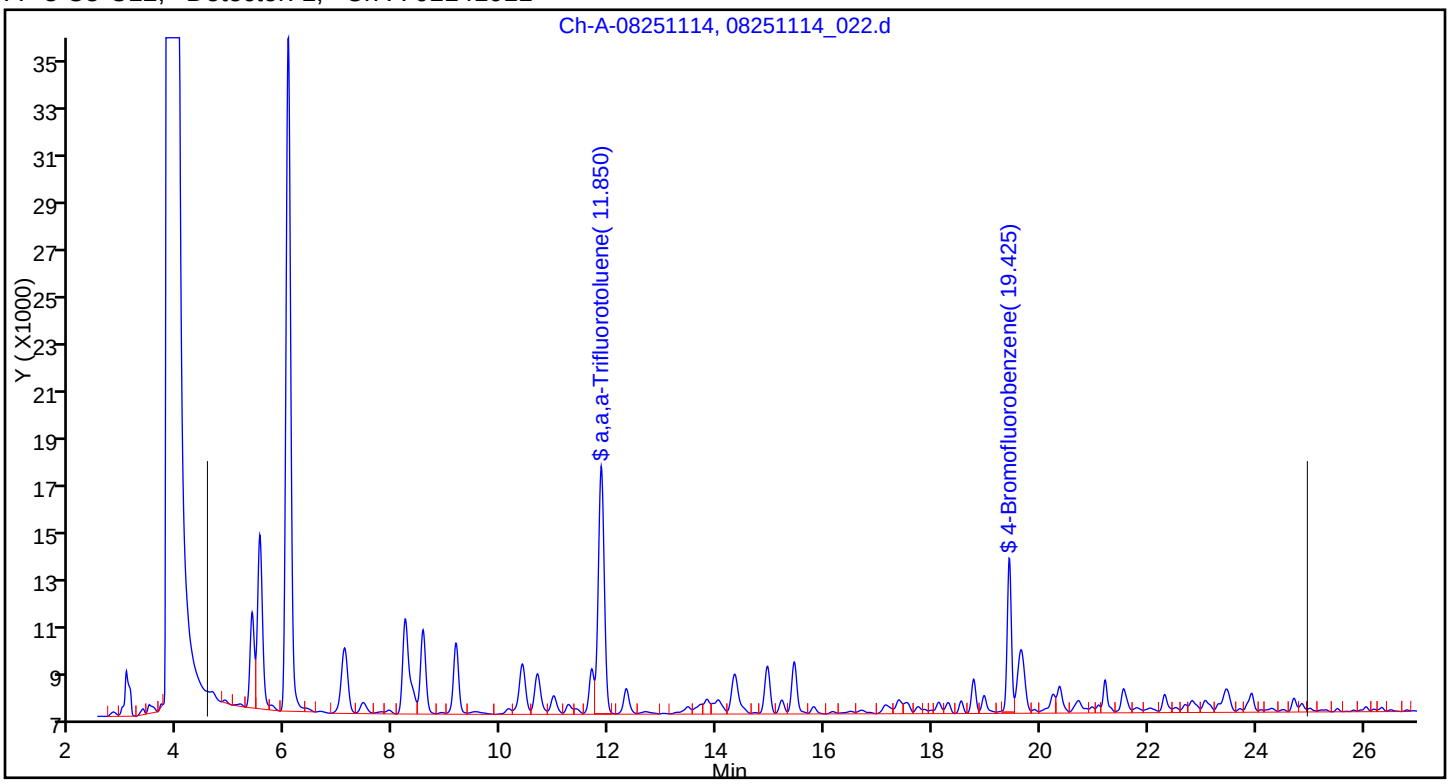
Lims Batch ID: 123725 Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:23 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_022.d
Injection Date: 25-Aug-2011 16:02:54 Limit Group: GCVOA_8015B_GRO
Client ID: NSW-1 Instrument ID: INST13-14
Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Client Sample ID: ESW-1 | Lab Sample ID: 510-69047-2

Matrix: Solid | Lab File ID: 08251114_023.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:05

Sample wt/vol: 5.4418(g) | Date Analyzed: 08/25/2011 16:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 3.6 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.081		0.019	0.0073

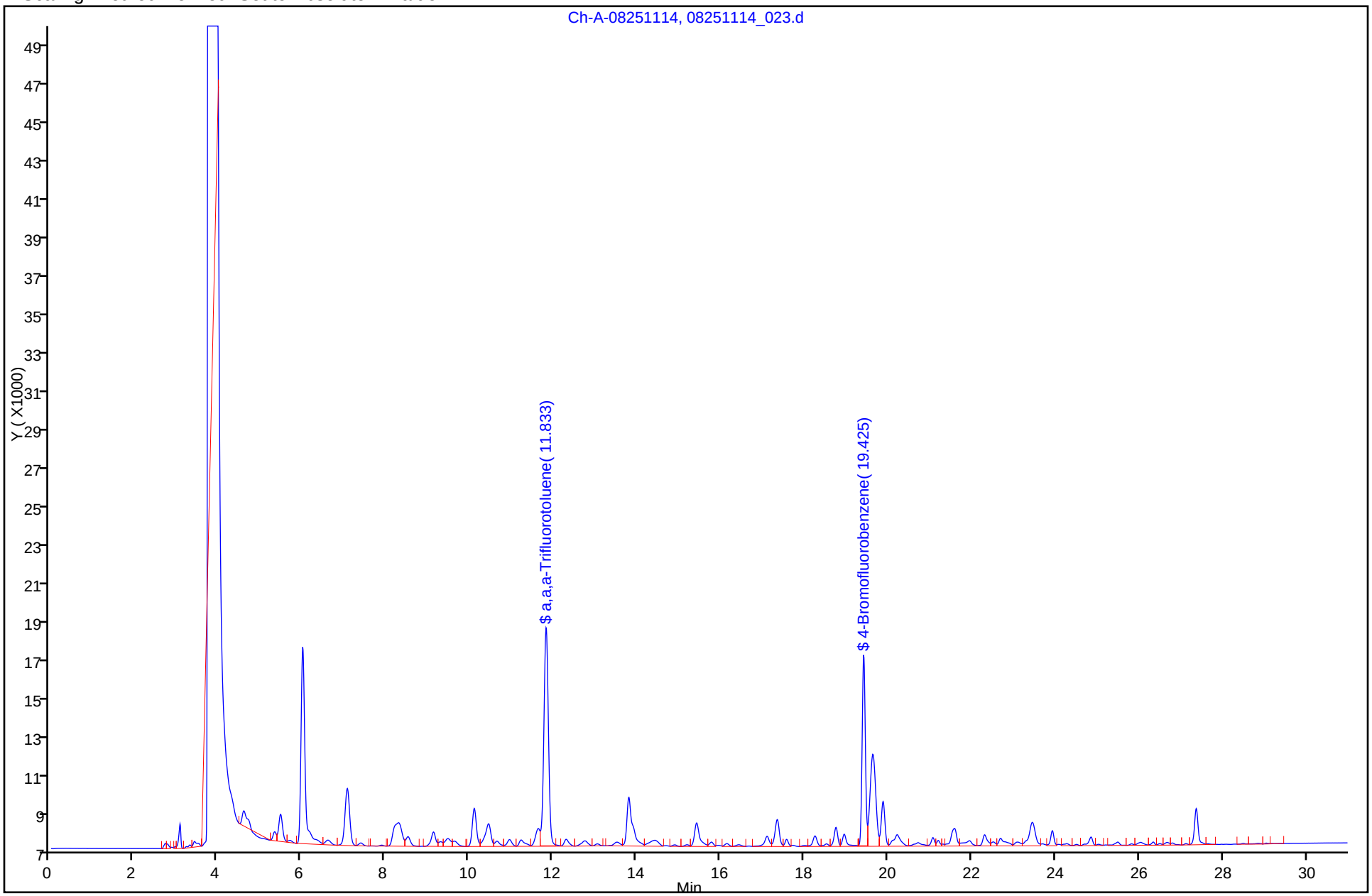
CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	81		51-117
98-08-8	a,a,a-Trifluorotoluene	94		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

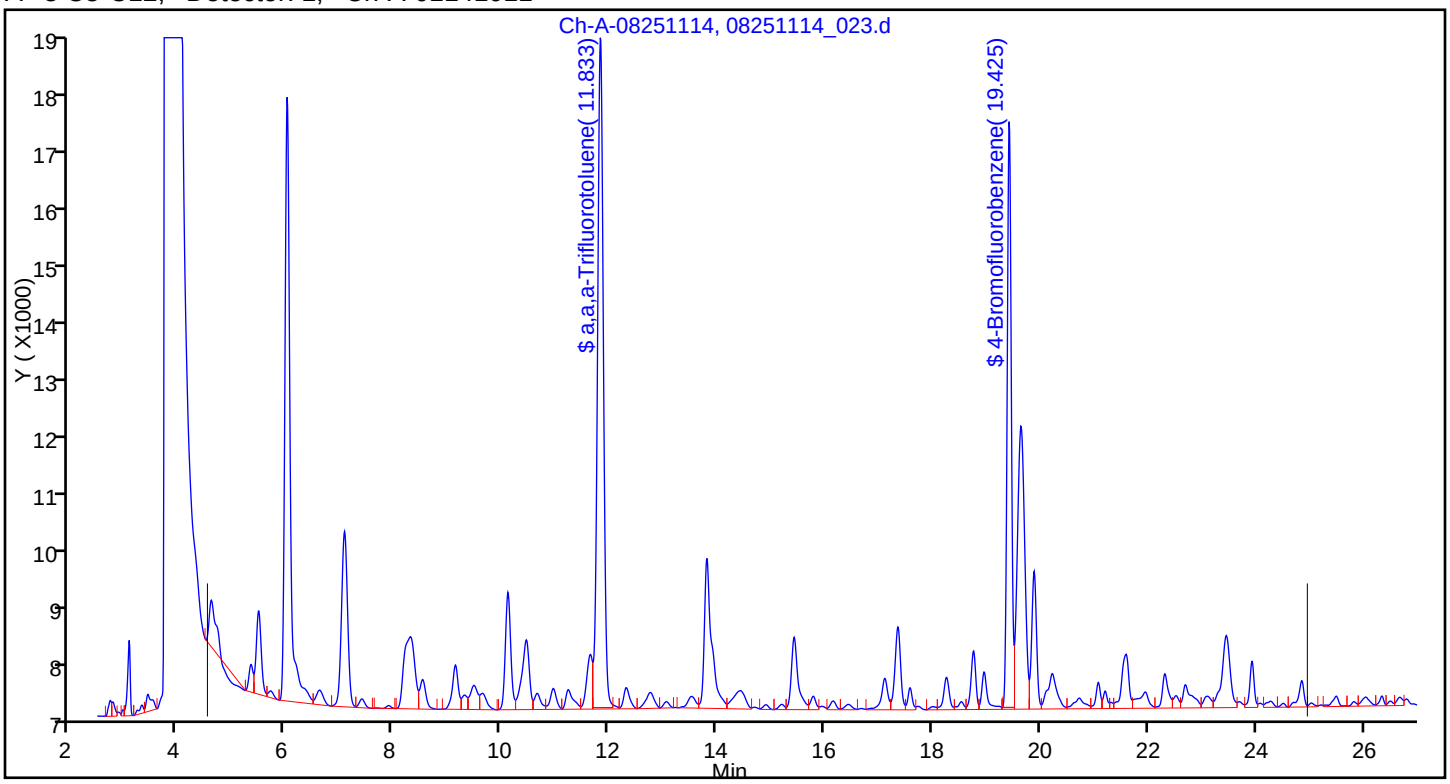
Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_023.d		
Lims ID:	510-69047-A-2-A	Client ID:	ESW-1
Inject. Date:	25-Aug-2011 16:38:16	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-2-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	9
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.839	-0.006	11393	18.8	
A 5 C5-C12	14.750	4.536 - 24.964		798655	85.0	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	9963	16.1	

Report Date: 26-Aug-2011 03:12:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_023.d
Injection Date: 25-Aug-2011 16:38:16 Limit Group: GCVOA_8015B_GRO
Client ID: ESW-1 Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 9
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_023.d
Injection Date: 25-Aug-2011 16:38:16 Limit Group: GCVOA_8015B_GRO
Client ID: ESW-1 Instrument ID: INST13-14
Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Client Sample ID: WSW-1 | Lab Sample ID: 510-69047-3

Matrix: Solid | Lab File ID: 08261114_005.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:10

Sample wt/vol: 5.853(g) | Date Analyzed: 08/26/2011 08:36

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.: 123727 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.046		0.018	0.0069

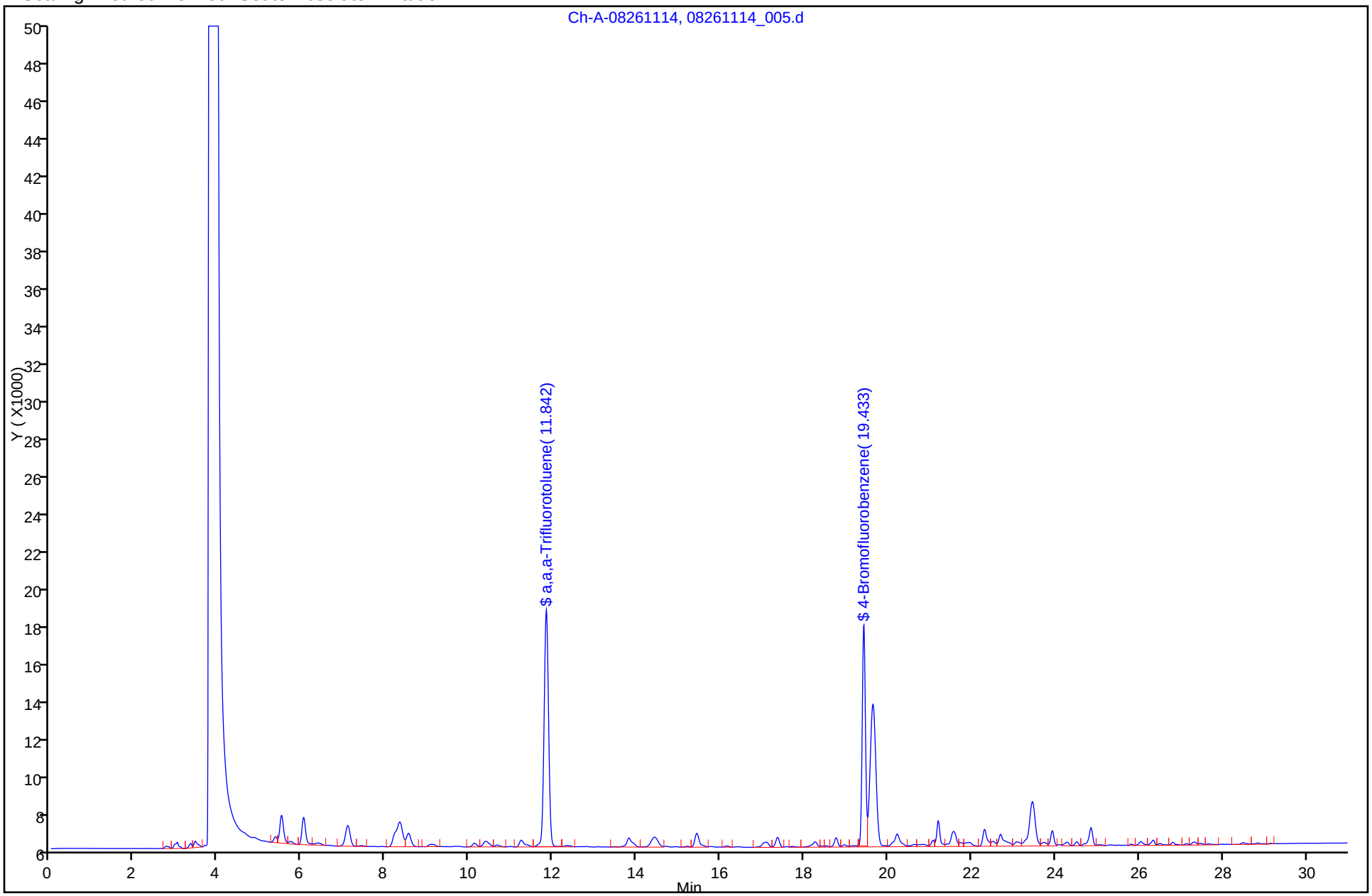
CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	94		51-117
98-08-8	a,a,a-Trifluorotoluene	102		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_005.d		
Lims ID:	510-69047-B-3-A	Client ID:	WSW-1
Inject. Date:	26-Aug-2011 08:36:34	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082611,gro14s,510-69047-B-3-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	5
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.855	-0.013	12374	20.4	
A 5 C5-C12	14.762	4.548 - 24.977		507439	51.1	
$ 3 4-Bromofluorobenzene	19.433	19.444	-0.011	11550	18.7	

Report Date: 27-Aug-2011 02:46:32 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_005.d
Injection Date: 26-Aug-2011 08:36:34 Limit Group: GCVOA_8015B_GRO
Client ID: WSW-1 Instrument ID: INST13-14
Lims Batch ID: 123727 Lims Sample ID: 5
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 27-Aug-2011 02:46:32 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_005.d

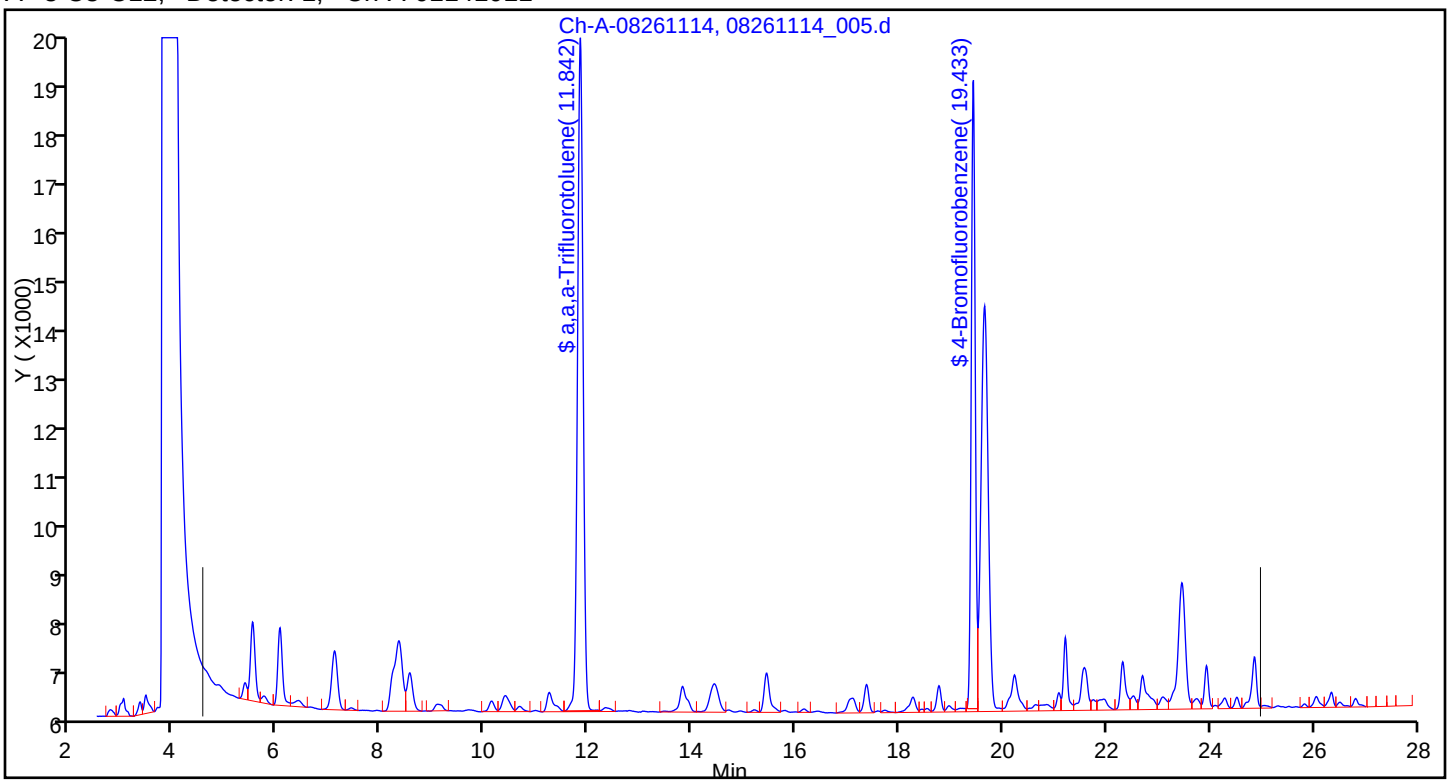
Injection Date: 26-Aug-2011 08:36:34 Limit Group: GCVOA_8015B_GRO

Client ID: WSW-1 Instrument ID: INST13-14

Lims Batch ID: 123727 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.: 510-69047-1

SDG No.:

Client Sample ID: WFS-1 | Lab Sample ID: 510-69047-4

Matrix: Solid | Lab File ID: 08251114_025.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:15

Sample wt/vol: 5.9595(g) | Date Analyzed: 08/25/2011 17:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 4.3 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.091		0.018	0.0068

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	63		51-117
98-08-8	a,a,a-Trifluorotoluene	94		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_025.d		
Lims ID:	510-69047-A-4-A	Client ID:	WFS-1
Inject. Date:	25-Aug-2011 17:49:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-4-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	11
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	11384	18.8	
A	5 C5-C12	14.750	4.536 -	24.964	960095	103.8	
$	3 4-Bromofluorobenzene	19.425	19.428	-0.003	7733	12.5	

Report Date: 26-Aug-2011 03:12:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_025.d

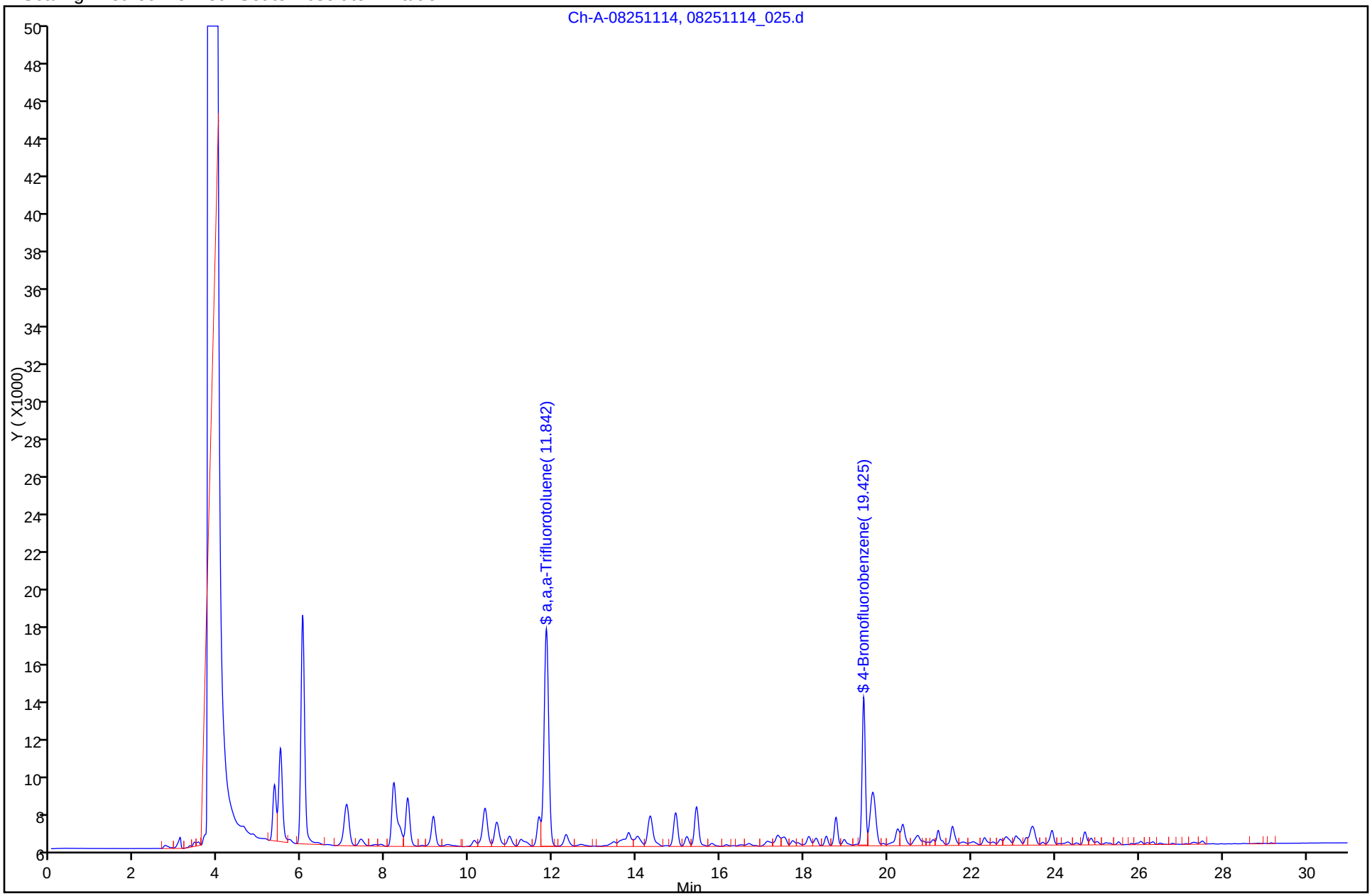
Injection Date: 25-Aug-2011 17:49:13 Limit Group: GCVOA_8015B_GRO

Client ID: WFS-1 Instrument ID: INST13-14

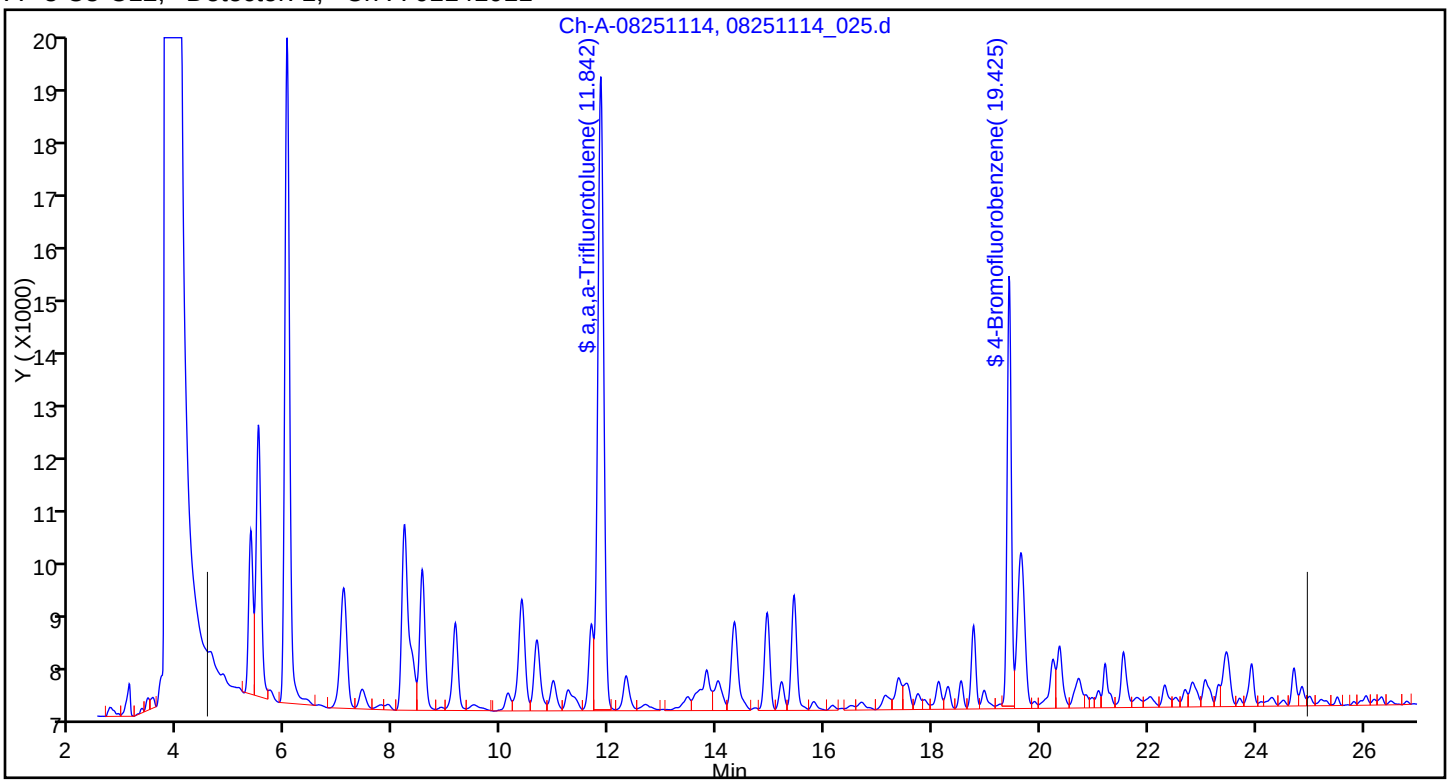
Lims Batch ID: 123725 Lims Sample ID: 11

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:26 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_025.d
Injection Date: 25-Aug-2011 17:49:13 Limit Group: GCVOA_8015B_GRO
Client ID: WFS-1 Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 11
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.: 510-69047-1

SDG No.:

Client Sample ID: EFS-1 | Lab Sample ID: 510-69047-5

Matrix: Solid | Lab File ID: 08251114_026.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:20

Sample wt/vol: 5.5244(g) | Date Analyzed: 08/25/2011 18:24

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 1.7 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.074		0.018	0.0071

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	72		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\20110826-5405.b\08251114_026.d		
Lims ID:	510-69047-A-5-A	Client ID:	EFS-1
Inject. Date:	25-Aug-2011 18:24:36	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-5-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	12
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	10999	18.2	
A	5 C5-C12	14.750	4.536 - 24.964		756749	80.1	
$	3 4-Bromofluorobenzene	19.433	19.428	0.005	8922	14.4	

Report Date: 26-Aug-2011 03:12:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_026.d

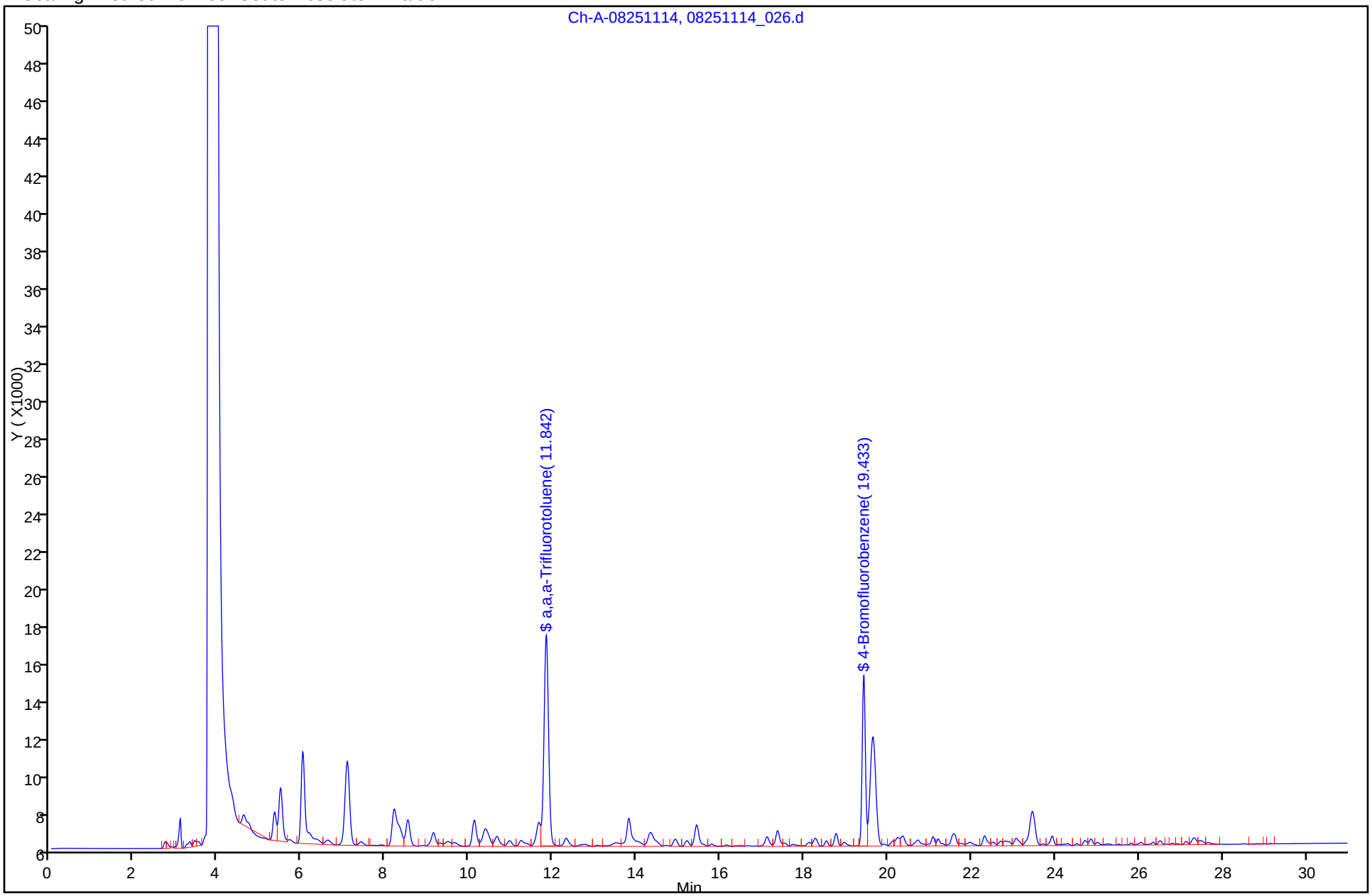
Injection Date: 25-Aug-2011 18:24:36 Limit Group: GCVOA_8015B_GRO

Client ID: EFS-1 Instrument ID: INST13-14

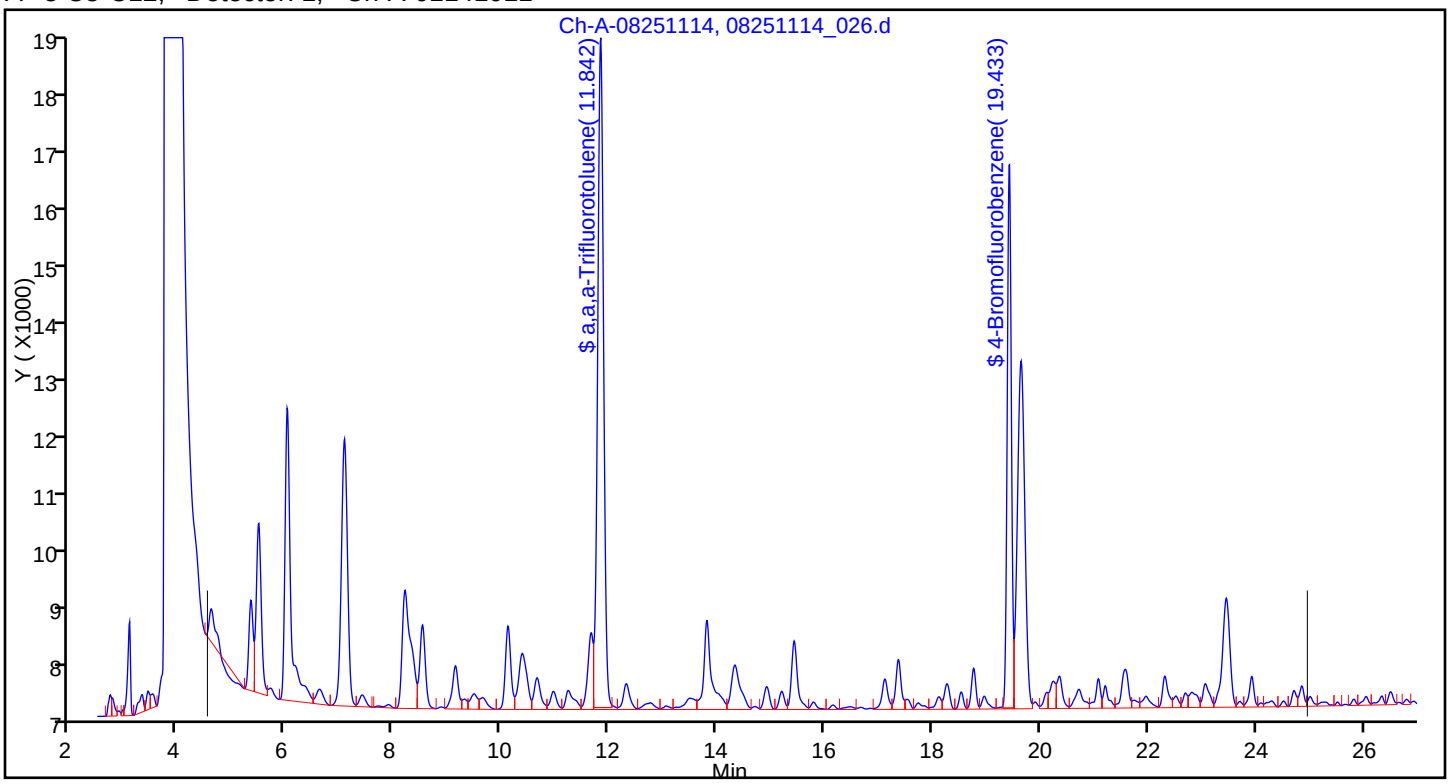
Lims Batch ID: 123725 Lims Sample ID: 12

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_026.d
Injection Date: 25-Aug-2011 18:24:36 Limit Group: GCVOA_8015B_GRO
Client ID: EFS-1 Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 12
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.: 510-69047-1

SDG No.:

Client Sample ID: FIELD DUPLICATE | Lab Sample ID: 510-69047-6

Matrix: Solid | Lab File ID: 08251114_028.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:25

Sample wt/vol: 5.5567(g) | Date Analyzed: 08/25/2011 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 3.9 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.15		0.019	0.0072

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	73		51-117
98-08-8	a,a,a-Trifluorotoluene	87		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_028.d		
Lims ID:	510-69047-A-6-A	Client ID:	FIELD DUPLICATE
Inject. Date:	25-Aug-2011 19:35:47	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-6-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	14
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:28	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	10551	17.4	
A	5 C5-C12	14.750	4.536 - 24.964		1444929	160.3	
$	3 4-Bromofluorobenzene	19.433	19.428	0.005	9056	14.6	

Report Date: 26-Aug-2011 03:12:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_028.d

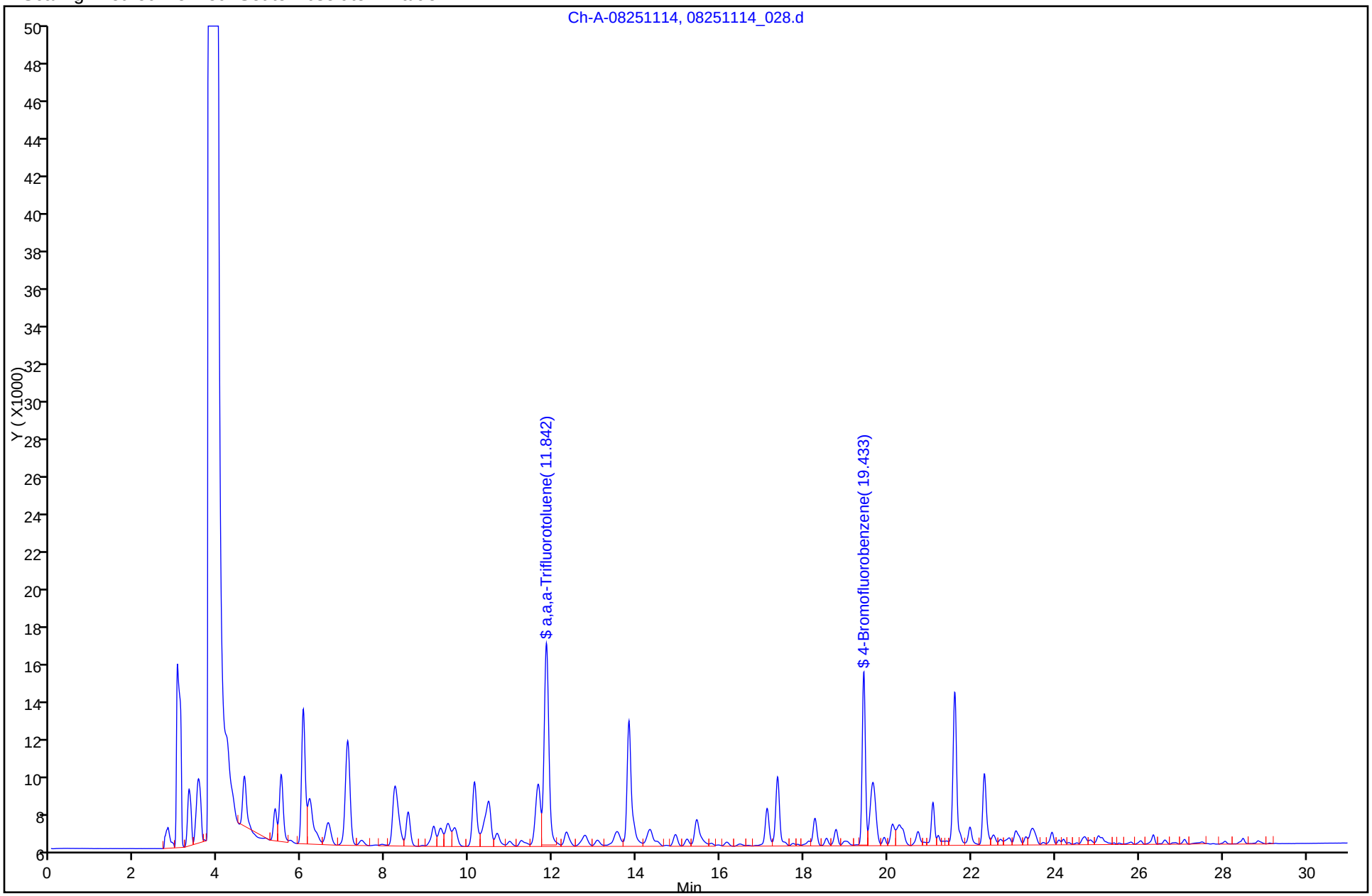
Injection Date: 25-Aug-2011 19:35:47 Limit Group: GCVOA_8015B_GRO

Client ID: FIELD DUPLICATE Instrument ID: INST13-14

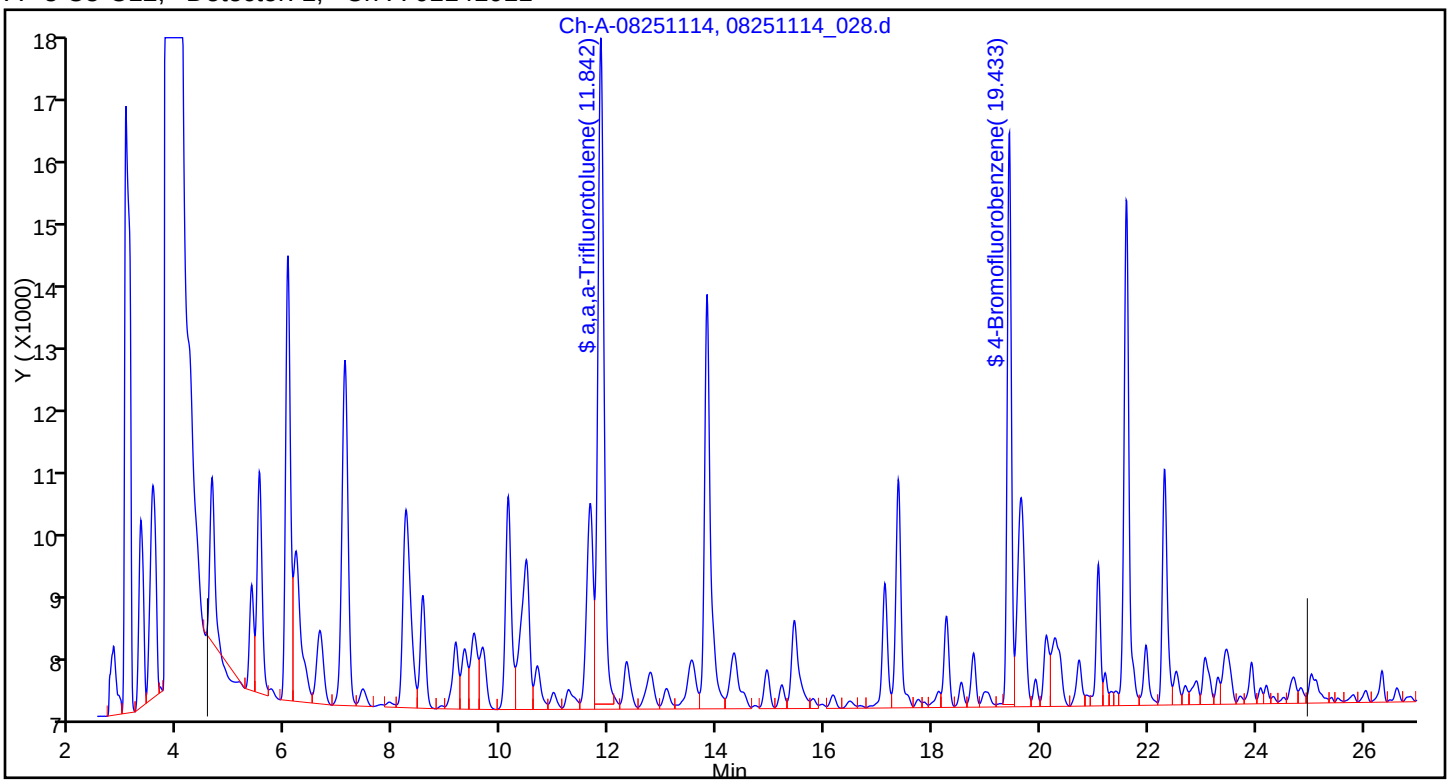
Lims Batch ID: 123725 Lims Sample ID: 14

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_028.d
Injection Date: 25-Aug-2011 19:35:47 Limit Group: GCVOA_8015B_GRO
Client ID: FIELD DUPLICATE Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 14
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.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 | Lab Sample ID: 510-69047-7

Matrix: Solid | Lab File ID: 08251114_019.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 6.6287(g) | Date Analyzed: 08/25/2011 14:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.16		0.017	0.0065

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	52		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\20110826-5405.b\08251114_019.d		
Lims ID:	510-69047-B-7-A	Client ID:	SSW-1
Inject. Date:	25-Aug-2011 14:16:21	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-B-7-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	5
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	10856	17.9	
A	5 C5-C12	14.750	4.536 -	24.964	1749917	195.8	
$	3 4-Bromofluorobenzene	19.425	19.428	-0.003	6529	10.5	

Report Date: 26-Aug-2011 03:12:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_019.d

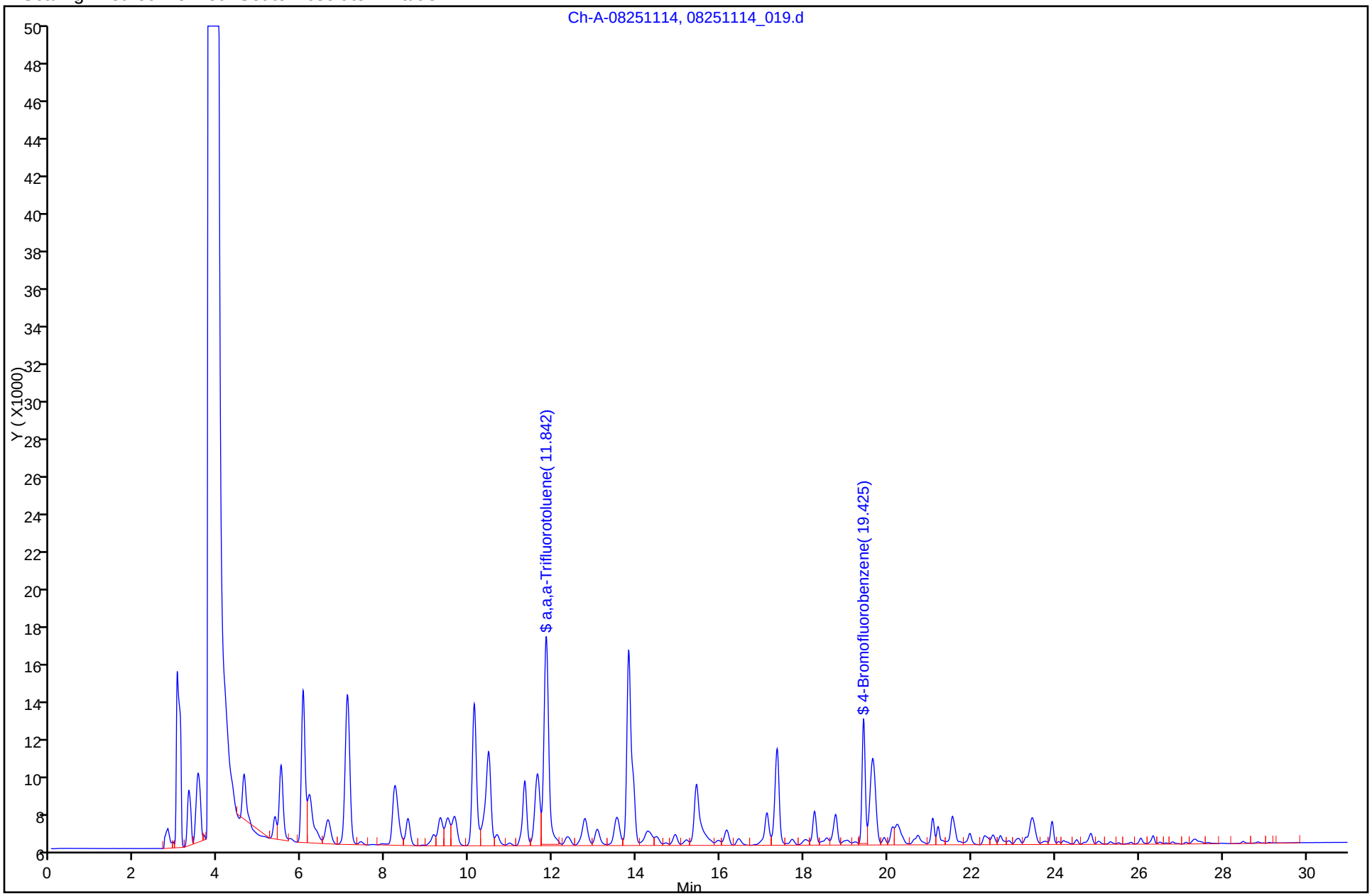
Injection Date: 25-Aug-2011 14:16:21 Limit Group: GCVOA_8015B_GRO

Client ID: SSW-1 Instrument ID: INST13-14

Lims Batch ID: 123725 Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 03:12:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_019.d

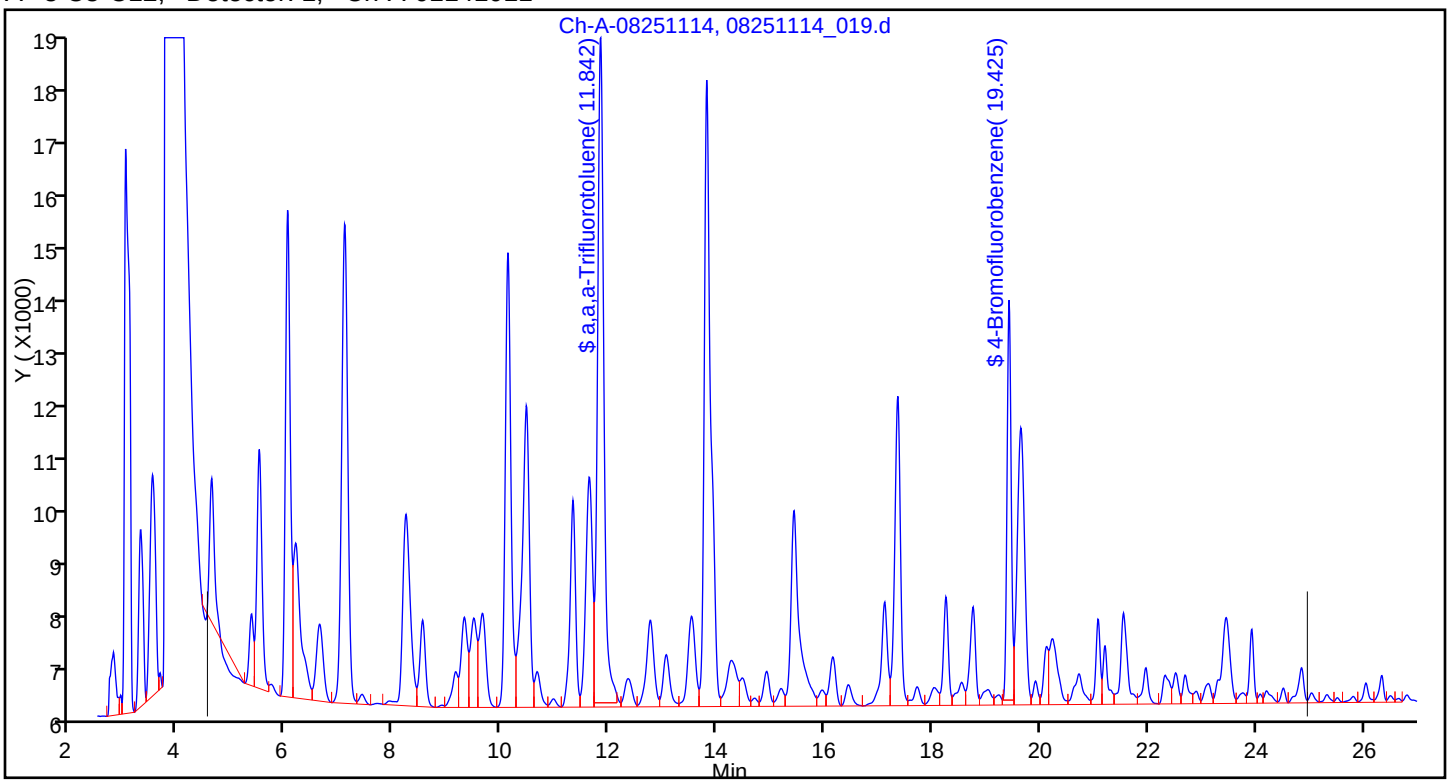
Injection Date: 25-Aug-2011 14:16:21 Limit Group: GCVOA_8015B_GRO

Client ID: SSW-1 Instrument ID: INST13-14

Lims Batch ID: 123725 Lims Sample ID: 5

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.: 510-69047-1 Analy Batch No.: 123594

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/25/2011 07:09 Calibration End Date: 08/25/2011 10:42 Calibration ID: 5813

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-123594/2	08251114_007.d
Level 2	IC 500-123594/3	08251114_008.d
Level 3	IC 500-123594/4	08251114_009.d
Level 4	IC 500-123594/5	08251114_010.d
Level 5	IC 500-123594/6	08251114_011.d
Level 6	IC 500-123594/7	08251114_012.d
Level 7	IC 500-123594/8	08251114_013.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)	13.625	13.625	13.625	13.625	13.625	13.625	13.625				6.078 - 21.172	13.625
C5-C12	14.739	14.739	14.739	14.739	14.739	14.739	14.739				4.523 - 24.956	14.739
Gasoline Range Organics (GRO)-C6-C12	15.517	15.517	15.517	15.517	15.517	15.517	15.517				6.078 - 24.956	15.517
Gasoline Range Organics (GRO)-C6-C10	16.260	16.260	16.260	16.260	16.260	16.260	16.260				6.078 - 26.442	16.260
a,a,a-Trifluorotoluene	11.827	11.825	11.825	11.825	11.825	11.833	11.833				11.727 - 11.927	11.828
4-Bromofluorobenzene	19.417	19.417	19.417	19.417	19.417	19.425	19.425				19.317 - 19.517	19.419

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 510-69047-1 Analy Batch No.: 123594

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/25/2011 07:09 Calibration End Date: 08/25/2011 10:42 Calibration ID: 5813

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-123594/2	08251114_007.d
Level 2	IC 500-123594/3	08251114_008.d
Level 3	IC 500-123594/4	08251114_009.d
Level 4	IC 500-123594/5	08251114_010.d
Level 5	IC 500-123594/6	08251114_011.d
Level 6	IC 500-123594/7	08251114_012.d
Level 7	IC 500-123594/8	08251114_013.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)	9815.2 7738.2	8602.0 7731.2	8164.0 7761.8	7901.1	Lin2	42982.5068	7691.11547							1.0000		0.9900
C5-C12	12009 8697.8	10035 8693.6	9336.9 8736.1	8805.8	Lin2	69028.1797	8584.27185							1.0000		0.9900
Gasoline Range Organics (GRO)-C6-C12	11821 8510.0	9807.0 8499.0	9128.9 8527.7	8583.3	Lin2	69222.5329	8376.49199							1.0000		0.9900
Gasoline Range Organics (GRO)-C6-C10	12269 8627.9	9988.8 8613.0	9244.1 8647.5	8679.8	Lin2	76101.7657	8458.27814							1.0000		0.9900
a,a,a-Trifluorotoluene	704.00 607.25	640.00 604.50	626.80 594.26	612.20	Lin2	104.458426	600.090948							1.0000		0.9900
4-Bromofluorobenzene	753.00 619.25	641.60 622.63	634.80 609.94	629.50	Lin2	135.324713	609.526824							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.: 510-69047-1 Analy Batch No.: 123594

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 08/25/2011 07:09 Calibration End Date: 08/25/2011 10:42 Calibration ID: 5813

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-123594/2	08251114_007.d
Level 2	IC 500-123594/3	08251114_008.d
Level 3	IC 500-123594/4	08251114_009.d
Level 4	IC 500-123594/5	08251114_010.d
Level 5	IC 500-123594/6	08251114_011.d
Level 6	IC 500-123594/7	08251114_012.d
Level 7	IC 500-123594/8	08251114_013.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	196303 4638712	430099 7761761	816401	1580224	3095276	20.0 600	50.0 1000	100	200	400
C5-C12	Lin2	240183 5216174	501731 8736118	933689	1761158	3479101	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C12	Lin2	236424 5099409	490349 8527659	912891	1716654	3403990	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C10	Lin2	245375 5167773	499440 8647512	924411	1735962	3451141	20.0 600	50.0 1000	100	200	400
a,a,a-Trifluorotoluene	Lin2	704 18135	1600 29713	3134	6122	12145	1.00 30.0	2.50 50.0	5.00	10.0	20.0
4-Bromofluorobenzene	Lin2	753 18679	1604 30497	3174	6295	12385	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\20110825-5374.b\08251114_007.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 07:09:47	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	#: cd= Name: 082511,gro14s,ic20		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	2
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

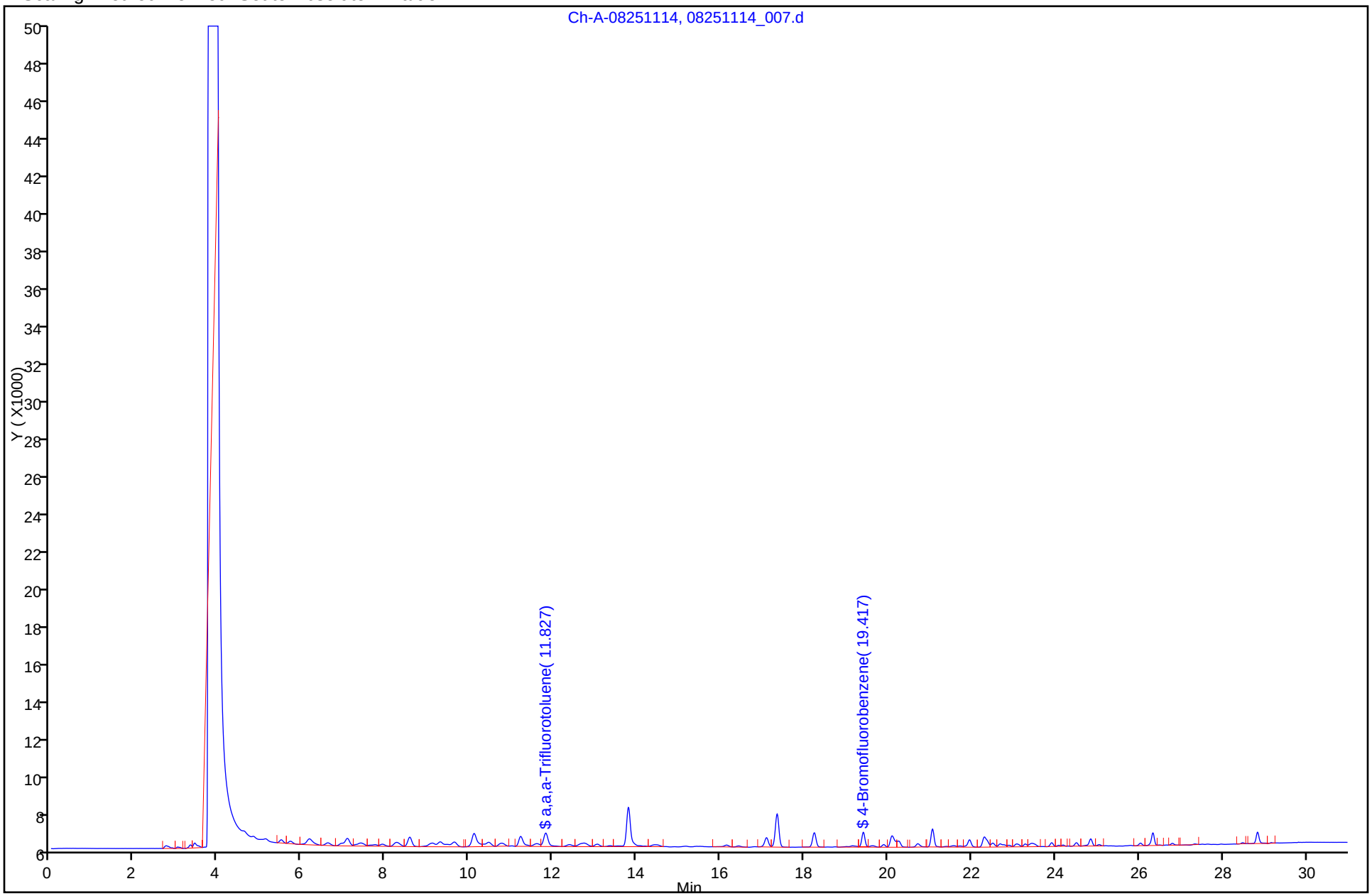
First Level Reviewer: estesw Date: 25-Aug-2011 09:27:59

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.827	11.827	0.0	704	1.00	
A 10 GRO	13.625	6.078 - 21.172		196303	19.9	M
A 5 C5-C12	14.739	4.523 - 24.956		240183	19.9	M
A 7 C6-C12	15.517	6.078 - 24.956		236424	20.0	M
A 6 C6-C10	16.260	6.078 - 26.442		245375	20.0	M
$ 3 4-Bromofluorobenzene	19.417	19.417	0.0	753	1.01	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 26-Aug-2011 02:27:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_007.d
Injection Date: 25-Aug-2011 07:09:47 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 2
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 02:27:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

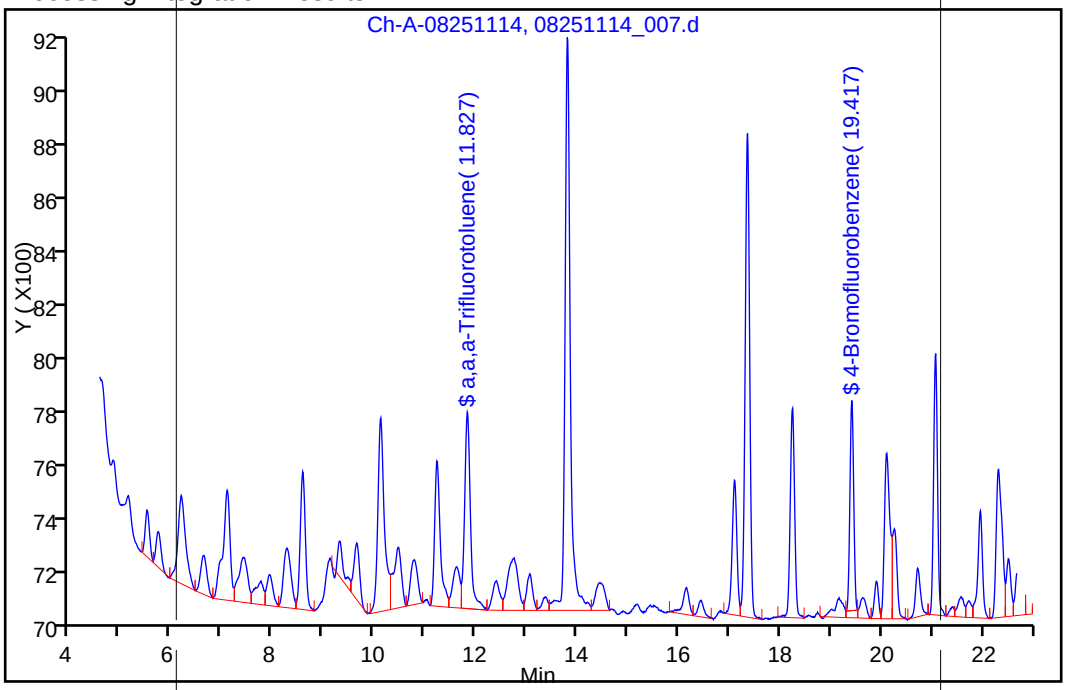
Manual Integration/User Assign Peak Report

Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_007.d
Injection Date: 25-Aug-2011 07:09:47 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 2
Operator ID: estesw

A 10 GRO, Signal: 1, Type: quant, RT: 13.62

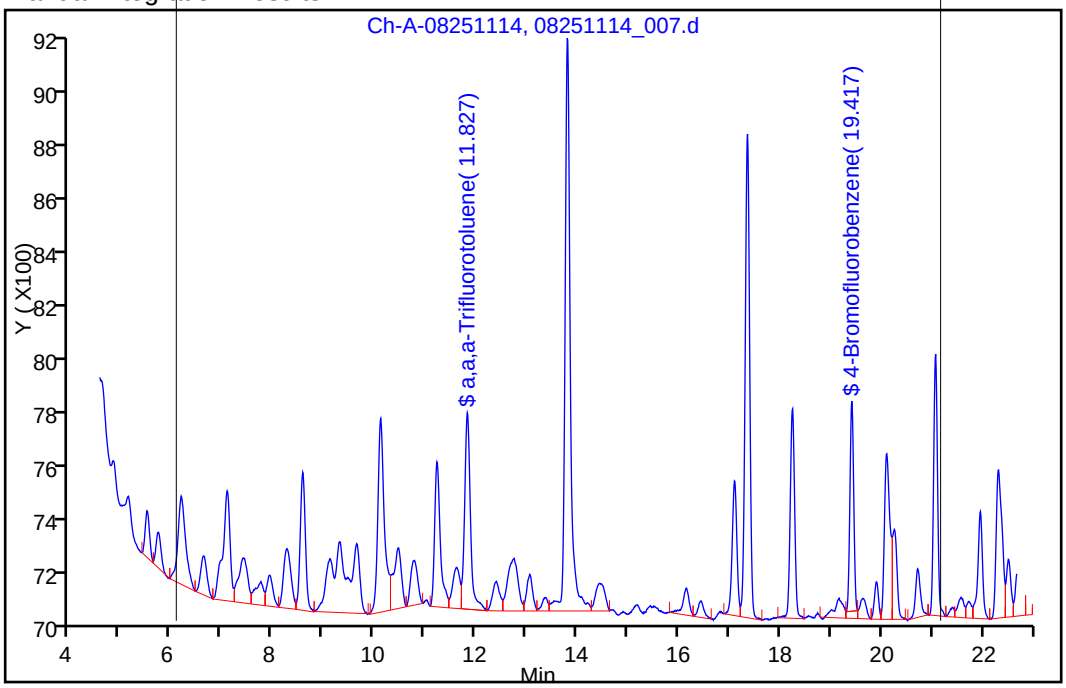
Processing Integration Results

RT: 13.62
Response: 186241
Amount: 19.777107



Manual Integration Results

RT: 13.62
Response: 196303
Amount: 19.934754



Reviewer: estesw, 26-Aug-2011 01:40:00
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Report Date: 26-Aug-2011 02:27:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

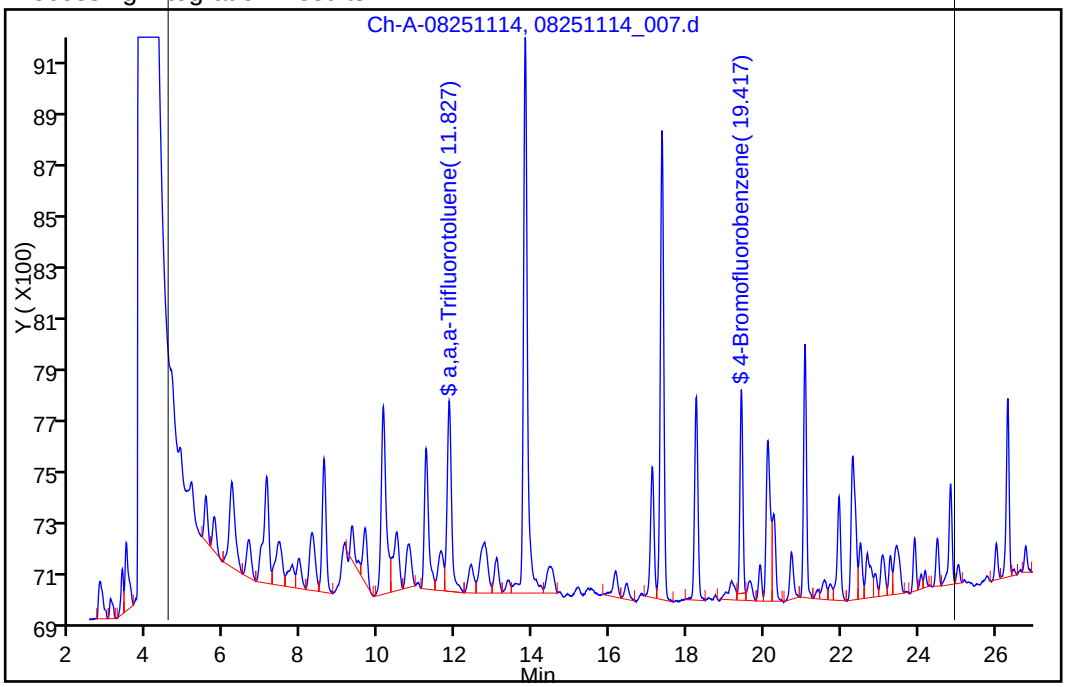
Manual Integration/User Assign Peak Report

Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_007.d
Injection Date: 25-Aug-2011 07:09:47 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 2
Operator ID: estesw

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.74

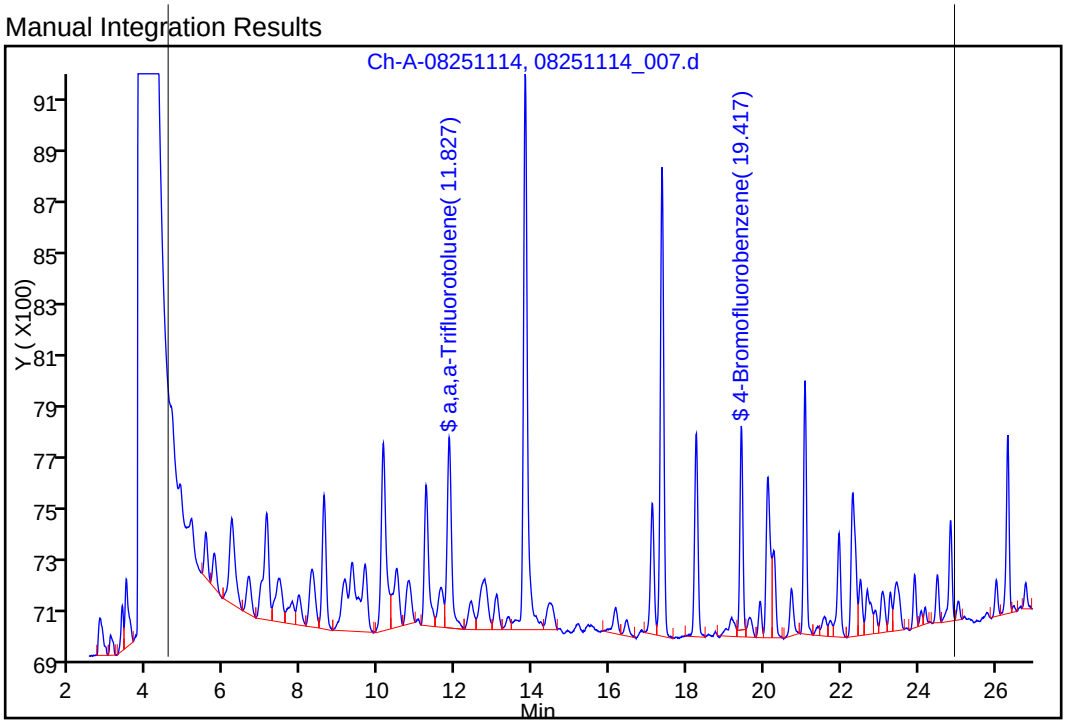
Processing Integration Results

RT: 14.74
Response: 230121
Amount: 19.796814



Manual Integration Results

RT: 14.74
Response: 240183
Amount: 19.938187



Reviewer: estesw, 26-Aug-2011 01:40:00
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Report Date: 26-Aug-2011 02:27:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

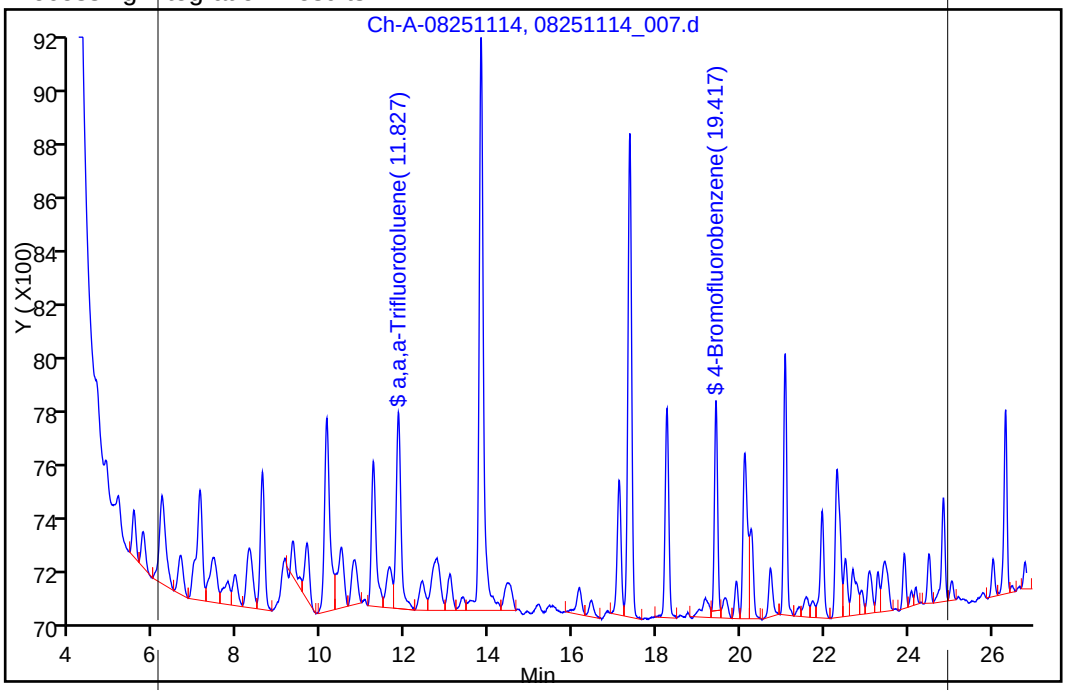
Manual Integration/User Assign Peak Report

Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_007.d
Injection Date: 25-Aug-2011 07:09:47 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 2
Operator ID: estesw

A 7 C6-C12, Signal: 1, Type: quant, RT: 15.52

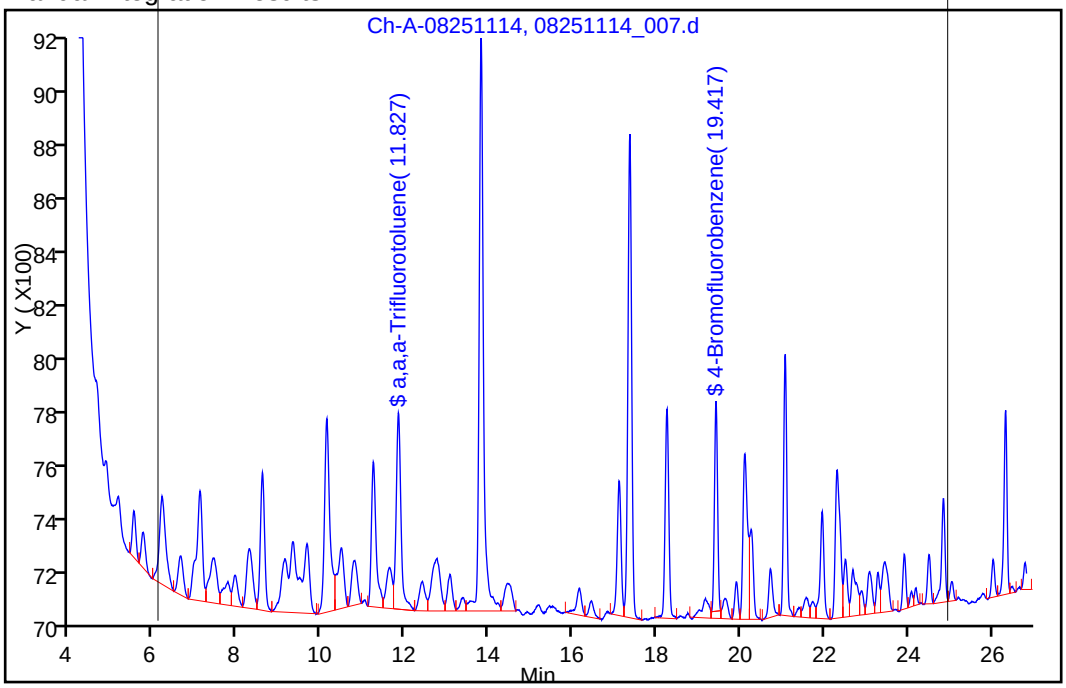
Processing Integration Results

RT: 15.52
Response: 226362
Amount: 19.815790



Manual Integration Results

RT: 15.52
Response: 236424
Amount: 19.960798



Reviewer: estesw, 26-Aug-2011 01:40:00
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Report Date: 26-Aug-2011 02:27:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06

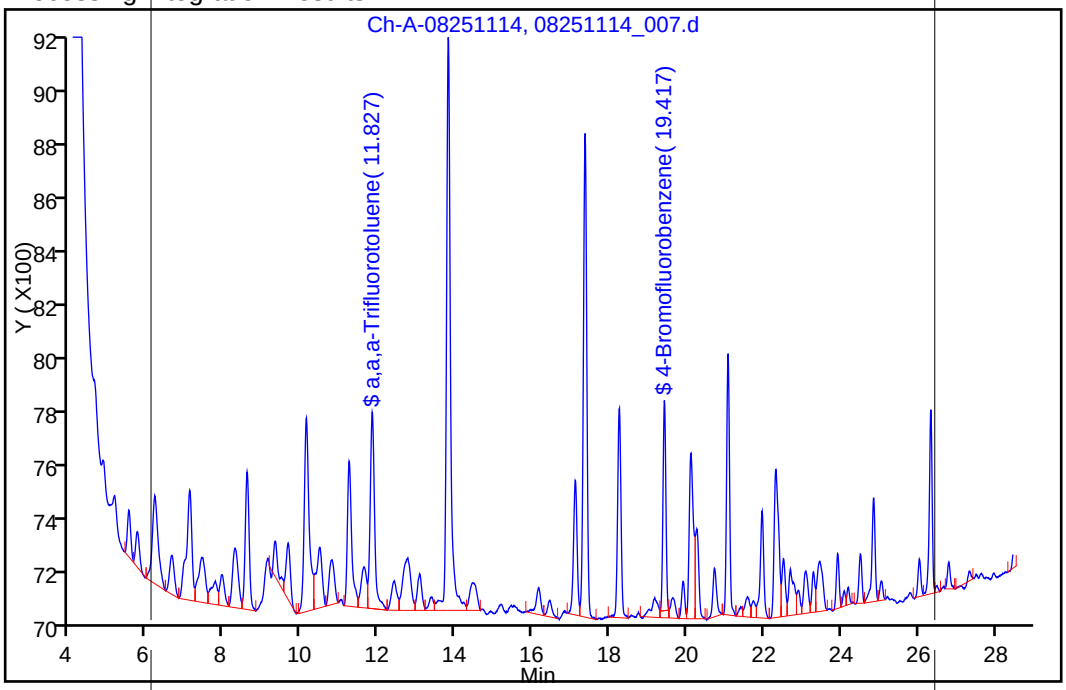
Manual Integration/User Assign Peak Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_007.d		
Injection Date:	25-Aug-2011 07:09:47	Limit Group:	GCVOA_8015B_GRO
Client ID:		Instrument ID:	INST13-14
Lims Batch ID:	123594	Lims Sample ID:	2
Operator ID:	estesw		

A 6 C6-C10, Signal: 1, Type: quant, RT: 16.26

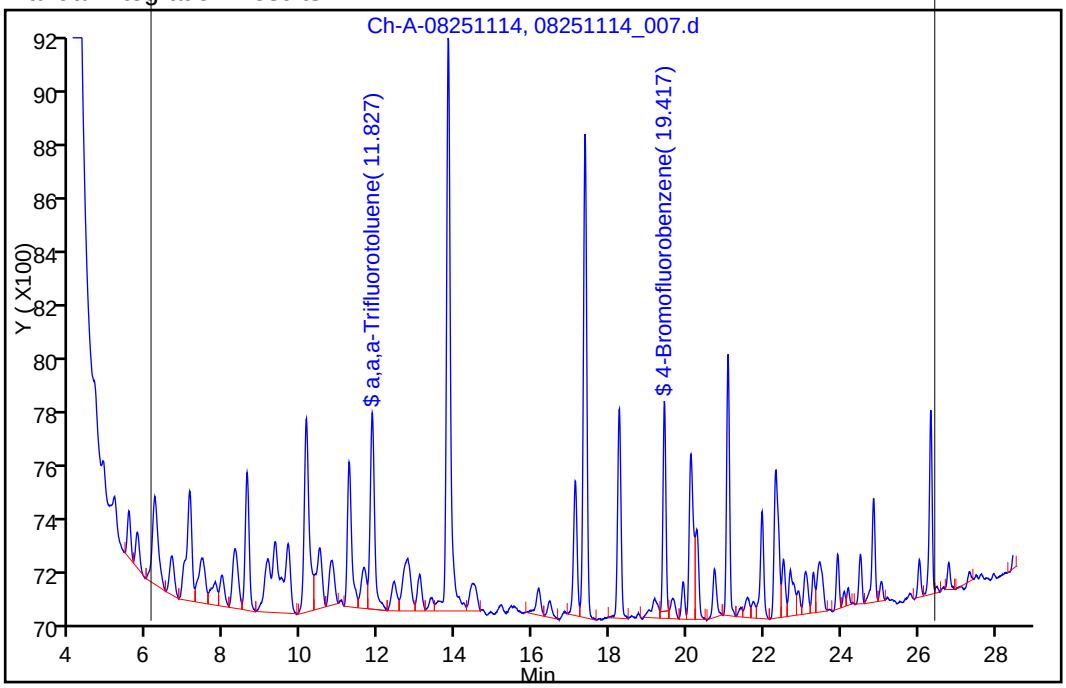
Processing Integration Results

RT: 16.26
Response: 235313
Amount: 19.868769



Manual Integration Results

RT: 16.26
Response: 245375
Amount: 20.012730



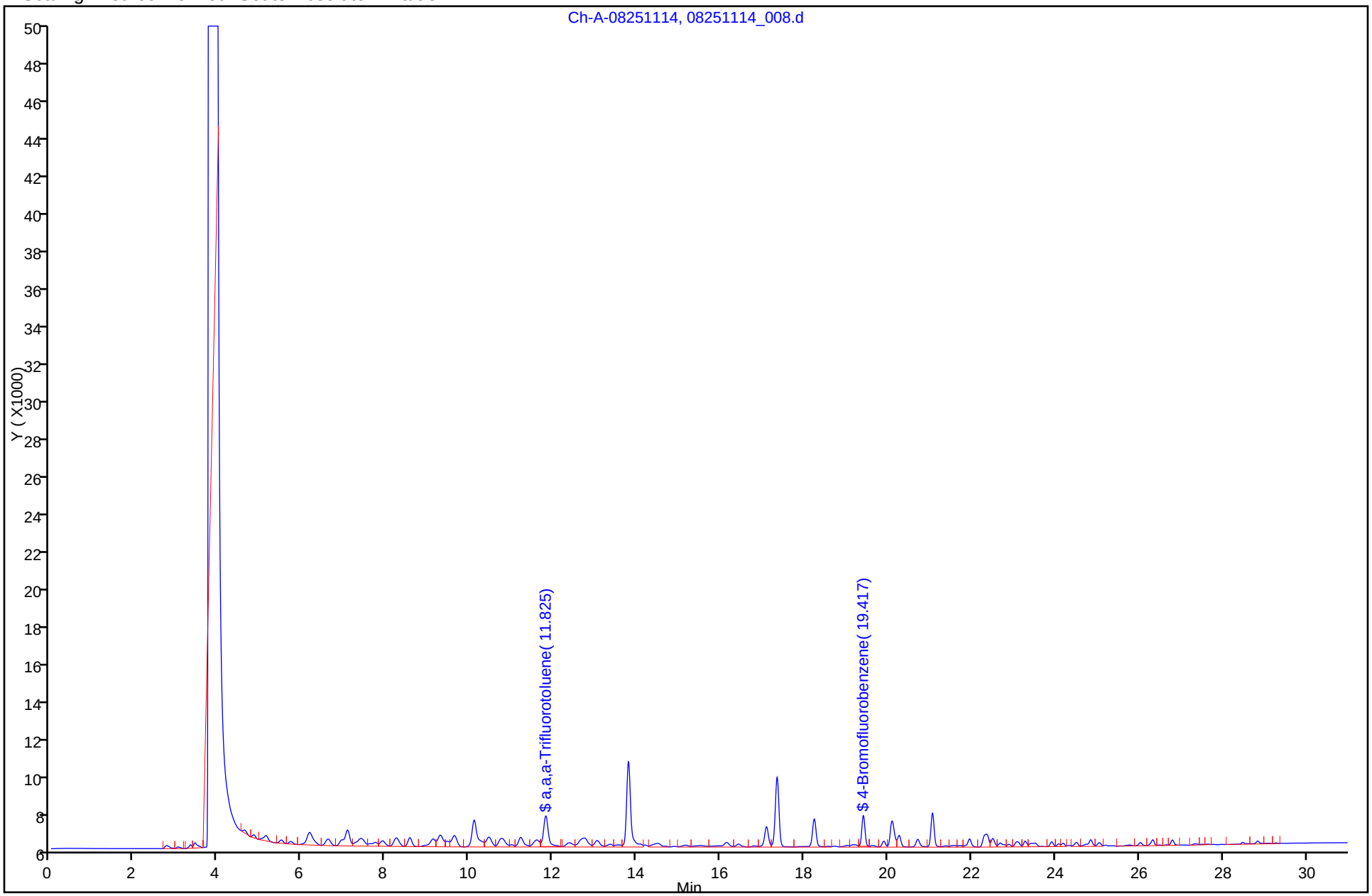
Reviewer: estesw, 26-Aug-2011 01:40:00
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_008.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 07:45:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	#: cd= Name: 082511,gro14s,ic50		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	3
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:34	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.825	11.827	-0.002	1600	2.49	
A 10 GRO	13.625	6.078 - 21.172		430099	50.3	
A 5 C5-C12	14.739	4.523 - 24.956		501731	50.4	
A 7 C6-C12	15.517	6.078 - 24.956		490349	50.3	
A 6 C6-C10	16.260	6.078 - 26.442		499440	50.1	
$ 3 4-Bromofluorobenzene	19.417	19.417	0.0	1604	2.41	

Report Date: 26-Aug-2011 02:27:34 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_008.d
Injection Date: 25-Aug-2011 07:45:24 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 3
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Aug-2011 02:27:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

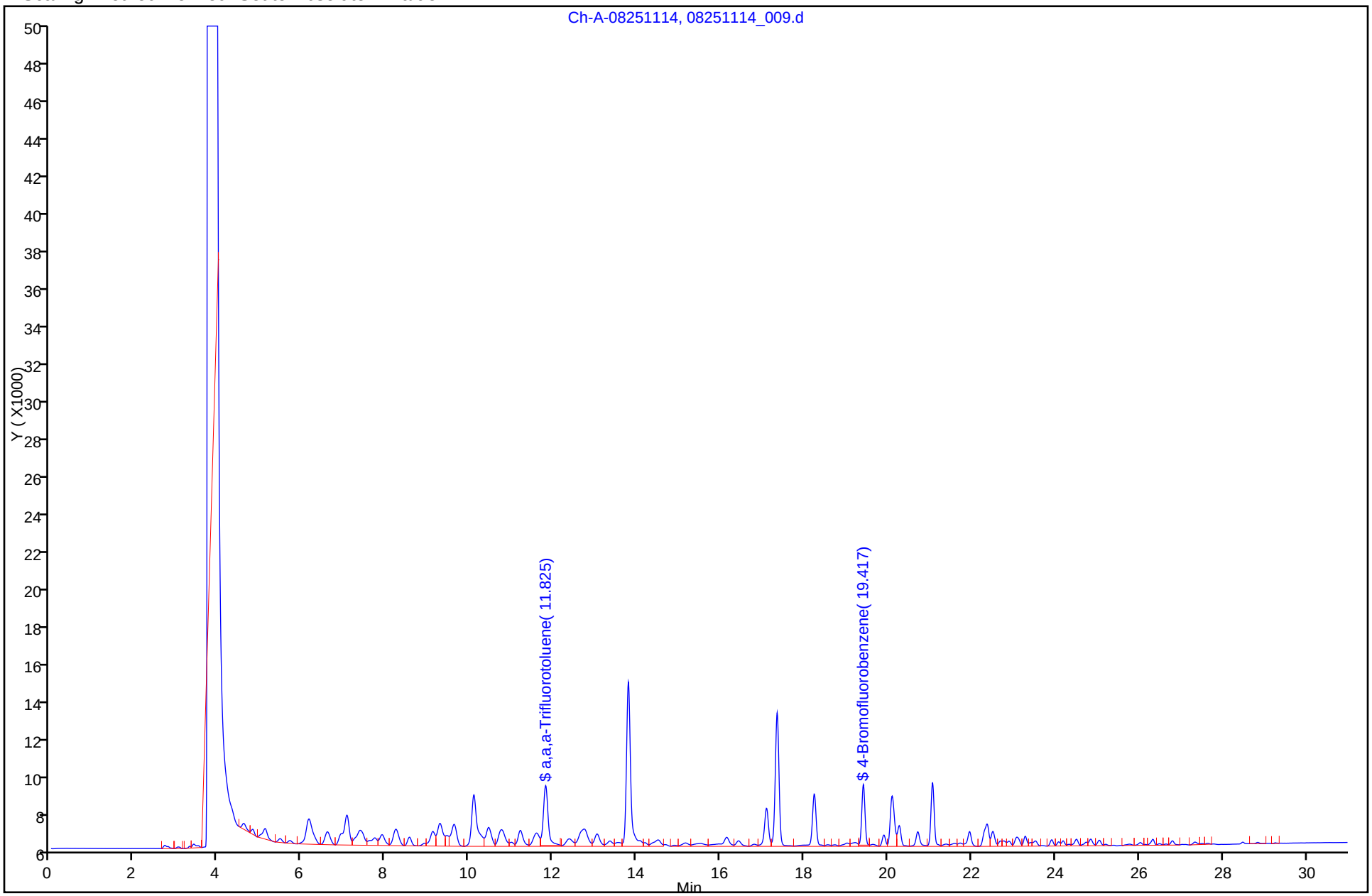
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_009.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 08:20:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	#: cd= Name: 082511,gro14s,ic100		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	4
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:37	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 25-Aug-2011 09:38:29

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.825	11.827	-0.002	3134	5.05	
A 10 GRO	13.625	6.078 - 21.172		816401	100.6	
A 5 C5-C12	14.739	4.523 - 24.956		933689	100.7	
A 7 C6-C12	15.517	6.078 - 24.956		912891	100.7	
A 6 C6-C10	16.260	6.078 - 26.442		924411	100.3	
$ 3 4-Bromofluorobenzene	19.417	19.417	0.0	3174	4.99	

Report Date: 26-Aug-2011 02:27:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_009.d
Injection Date: 25-Aug-2011 08:20:49 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 4
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



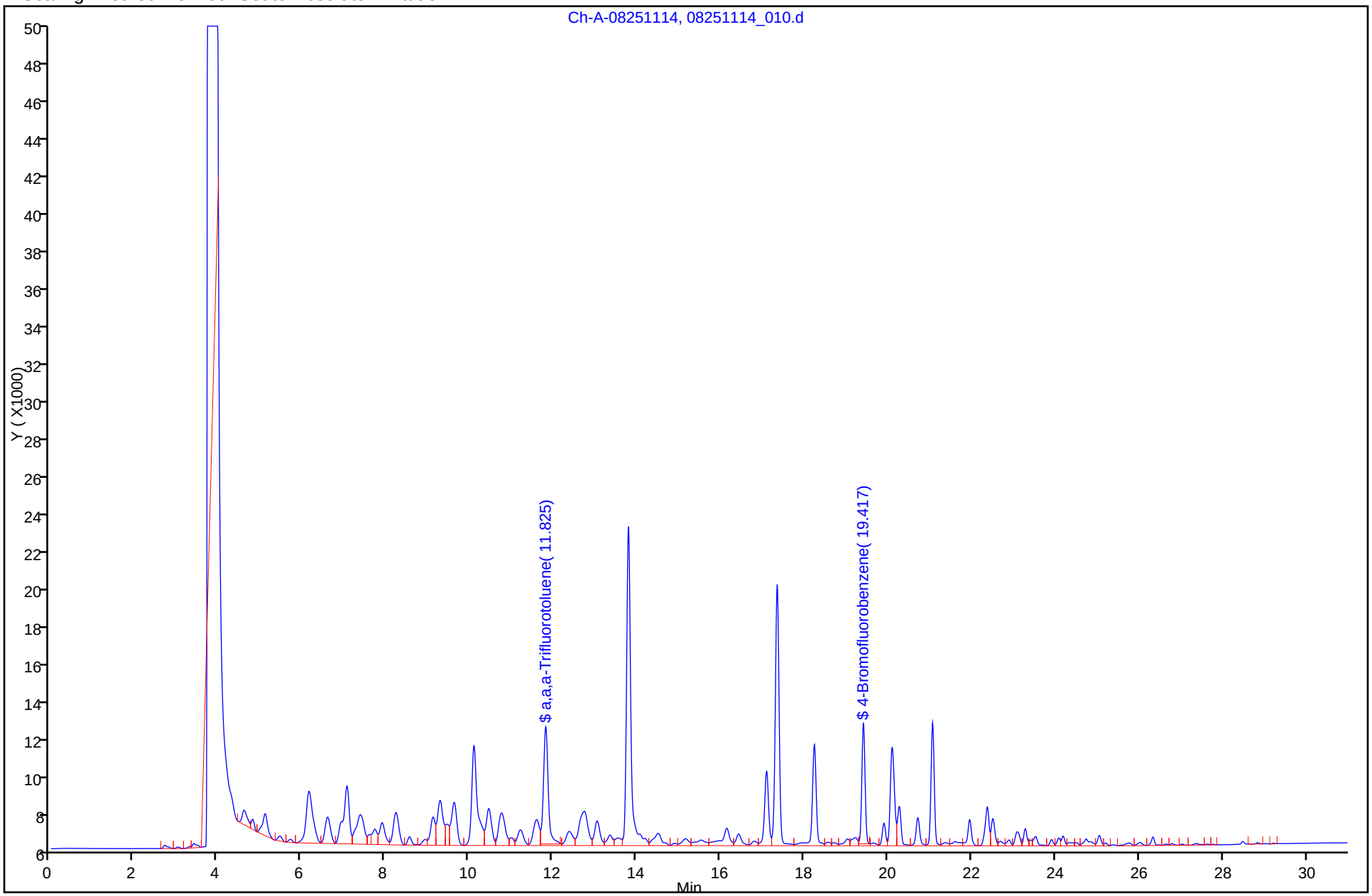
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_010.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 08:56:11	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	#: cd= Name: 082511,gro14s,ic200		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	5
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:40	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 25-Aug-2011 09:40:52

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.825	11.827	-0.002	6122	10.0	
A 10 GRO	13.625	6.078 - 21.172		1580224	199.9	
A 5 C5-C12	14.739	4.523 - 24.956		1761158	197.1	
A 7 C6-C12	15.517	6.078 - 24.956		1716654	196.7	
A 6 C6-C10	16.260	6.078 - 26.442		1735962	196.2	
$ 3 4-Bromofluorobenzene	19.417	19.417	0.0	6295	10.1	

Report Date: 26-Aug-2011 02:27:40 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_010.d
Injection Date: 25-Aug-2011 08:56:11 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 5
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value

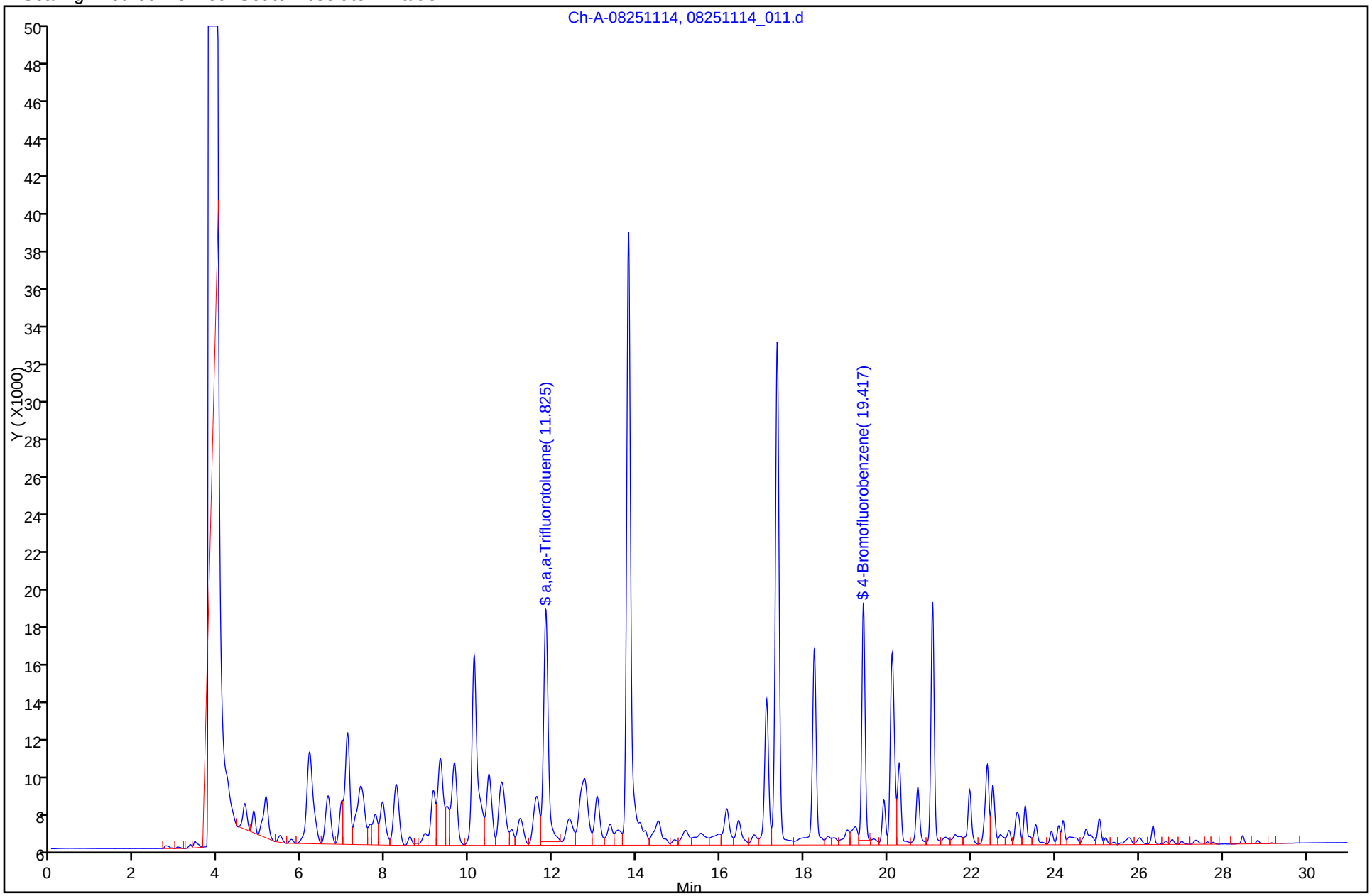


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_011.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 09:31:47	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	#: cd= Name: 082511,gro14s,ic400		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	6
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:43	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.825	11.825	0.0	12145	20.1	
A 10 GRO	13.625	6.078 - 21.172		3095276	396.9	
A 5 C5-C12	14.739	4.523 - 24.956		3479101	397.2	
A 7 C6-C12	15.517	6.078 - 24.956		3403990	398.1	
A 6 C6-C10	16.260	6.078 - 26.442		3451141	399.0	
$ 3 4-Bromofluorobenzene	19.417	19.417	0.0	12385	20.1	

Report Date: 26-Aug-2011 02:27:43 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_011.d
Injection Date: 25-Aug-2011 09:31:47 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 6
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value

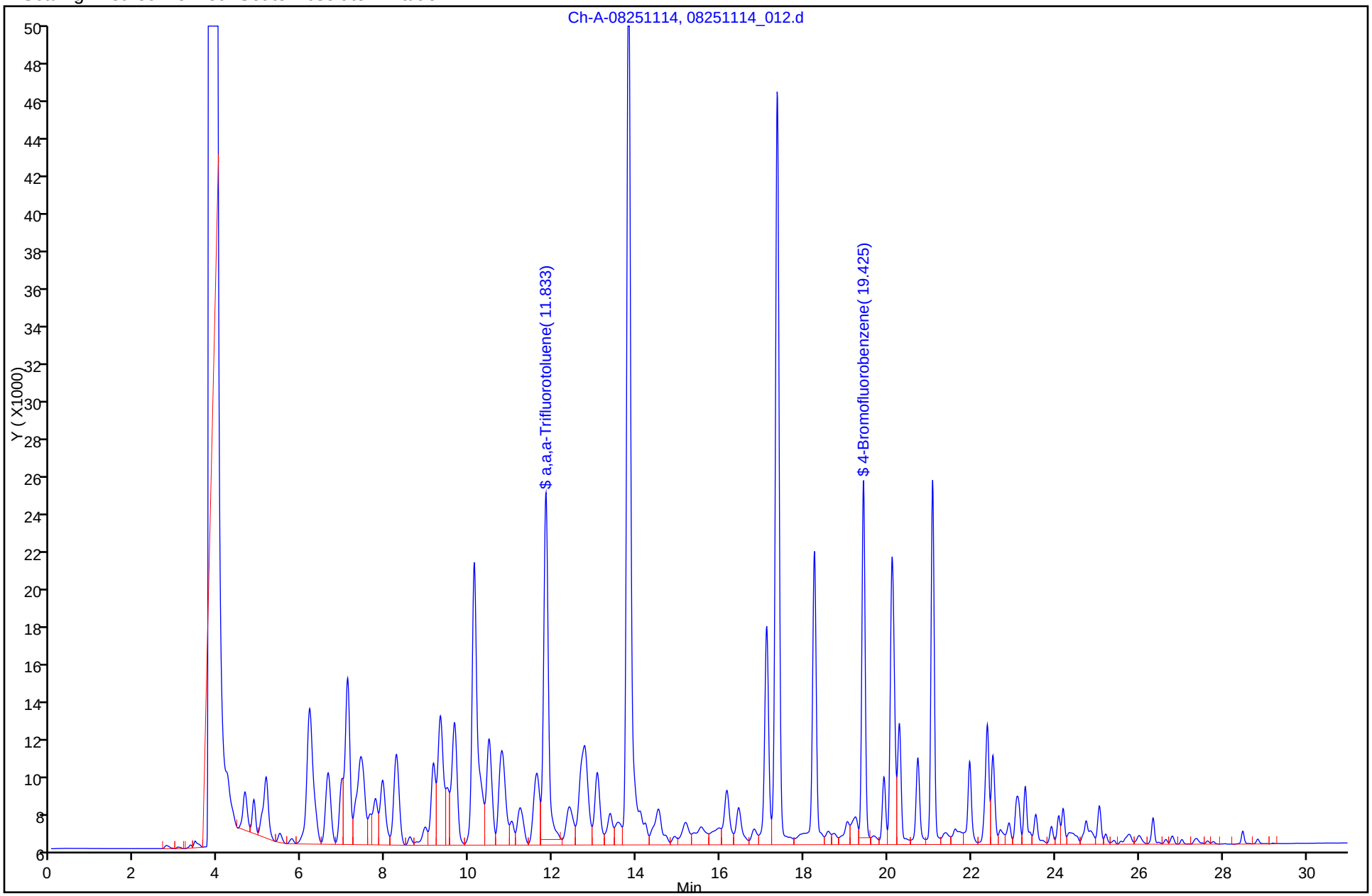


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_012.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 10:07:23	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	#: cd= Name: 082511,gro14s,ic600		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	7
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:46	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.827	0.006	18135	30.0	
A 10 GRO	13.625	6.078 - 21.172		4638712	597.5	
A 5 C5-C12	14.739	4.523 - 24.956		5216174	599.6	
A 7 C6-C12	15.517	6.078 - 24.956		5099409	600.5	
A 6 C6-C10	16.260	6.078 - 26.442		5167773	602.0	
$ 3 4-Bromofluorobenzene	19.425	19.417	0.008	18679	30.4	

Report Date: 26-Aug-2011 02:27:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_012.d
Injection Date: 25-Aug-2011 10:07:23 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 Lims Sample ID: 7
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value

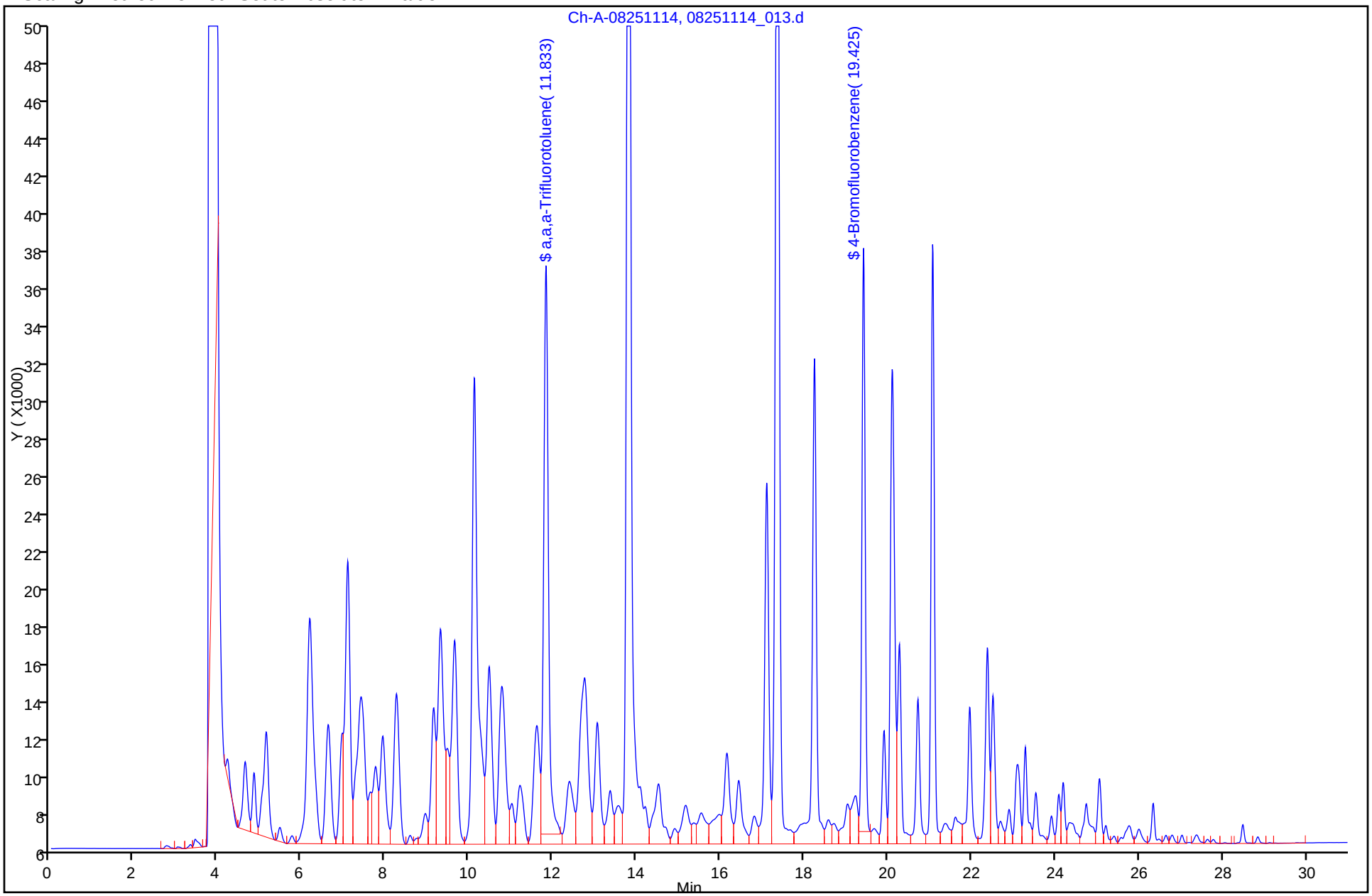


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Lims ID:	ic	Client ID:	
Inject. Date:	25-Aug-2011 10:42:58	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	#: cd= Name: 082511,gro14s,ic1000		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123594	Lims Sample ID:	8
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m		
Last Update:	26-Aug-2011 02:27:48	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.827	0.006	29713	49.3	
A 10 GRO	13.625	6.078 - 21.172		7761761	1003.6	
A 5 C5-C12	14.739	4.523 - 24.956		8736118	1009.6	
A 7 C6-C12	15.517	6.078 - 24.956		8527659	1009.8	
A 6 C6-C10	16.260	6.078 - 26.442		8647512	1013.4	
$ 3 4-Bromofluorobenzene	19.425	19.417	0.008	30497	49.8	

Report Date: 26-Aug-2011 02:27:49 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d
Injection Date: 25-Aug-2011 10:42:58 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123594 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.: 510-69047-1

SDG No.:

Lab Sample ID: ICV 500-123594/9 Calibration Date: 08/25/2011 11:18

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_014.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		8333		211	200	5.6	15.0
C5-C12	Lin2		9323		209	200	4.6	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		9024		207	200	3.6	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		9118		207	200	3.3	15.0
a,a,a-Trifluorotoluene	Lin2		606.5		20.0	20.0	0.0	15.0
4-Bromofluorobenzene	Lin2		605.8		19.7	20.0	-1.5	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: ICV 500-123594/9 Calibration Date: 08/25/2011 11:18

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_014.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.63	6.08	21.17
C5-C12	14.74	4.52	24.96
Gasoline Range Organics (GRO)-C6-C12	15.52	6.08	24.96
Gasoline Range Organics (GRO)-C6-C10	16.26	6.08	26.44
a,a,a-Trifluorotoluene	11.83	11.73	11.93
4-Bromofluorobenzene	19.43	19.32	19.52

Report Date: 26-Aug-2011 02:56:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_014.d
Lims ID: icv Client ID:
Inject. Date: 25-Aug-2011 11:18:32 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: #: cd= Name: 082511,gro14s,icv
Misc. Info.:
Operator: estesw Instrument ID: INST13-14
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 123594 Lims Sample ID: 9
Sublist:
Detector: Ch-A-08251114

Method: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\gro14s.m
Last Update: 26-Aug-2011 02:56:21 Calib Date: 25-Aug-2011 10:42:58
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d
Limit Group: GCVOA_8015B_GRO
Integrator: Genie
Process Host: CHI-MS-VLAB2

First Level Reviewer: estesw Date: 26-Aug-2011 02:07:38

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.825	0.008	12130	20.0	
A 10 GRO	13.625	6.078 - 21.172		1666618	211.1	
A 5 C5-C12	14.739	4.523 - 24.956		1864544	209.2	
A 7 C6-C12	15.517	6.078 - 24.956		1804794	207.2	
A 6 C6-C10	16.260	6.078 - 26.442		1823573	206.6	
$ 3 4-Bromofluorobenzene	19.425	19.417	0.008	12116	19.7	

Report Date: 26-Aug-2011 02:56:24 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_014.d

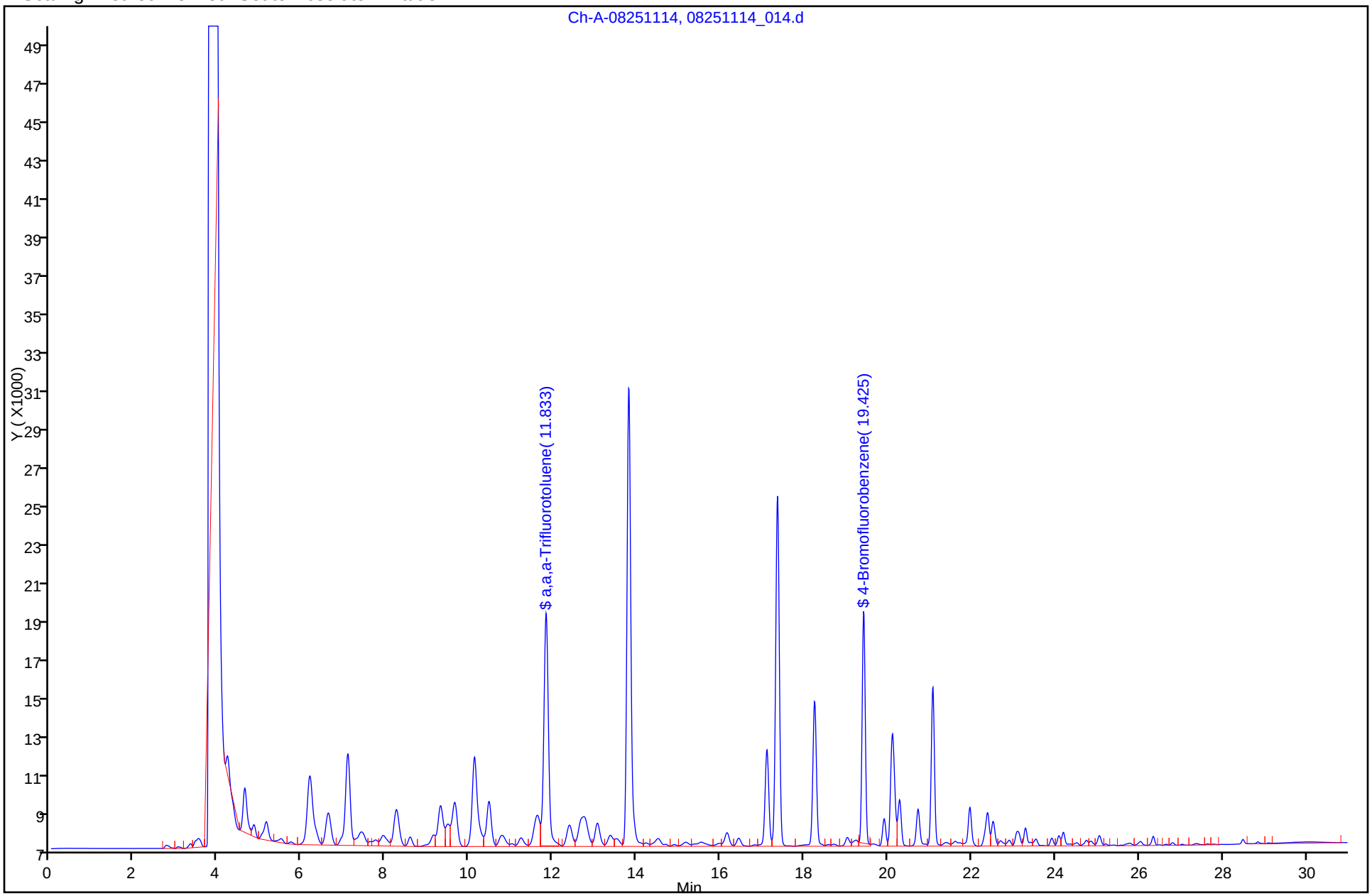
Injection Date: 25-Aug-2011 11:18:32 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123594 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.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/2 Calibration Date: 08/25/2011 12:29

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_016.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		7566		388	400	-3.0	15.0
C5-C12	Lin2		8466		387	400	-3.4	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		8275		387	400	-3.3	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		8394		388	400	-3.0	15.0
a,a,a-Trifluorotoluene	Lin2		597.2		19.7	20.0	-1.5	15.0
4-Bromofluorobenzene	Lin2		617.4		20.0	20.0	0.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/2 Calibration Date: 08/25/2011 12:29

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_016.d Heated Purge: (Y/N) Y

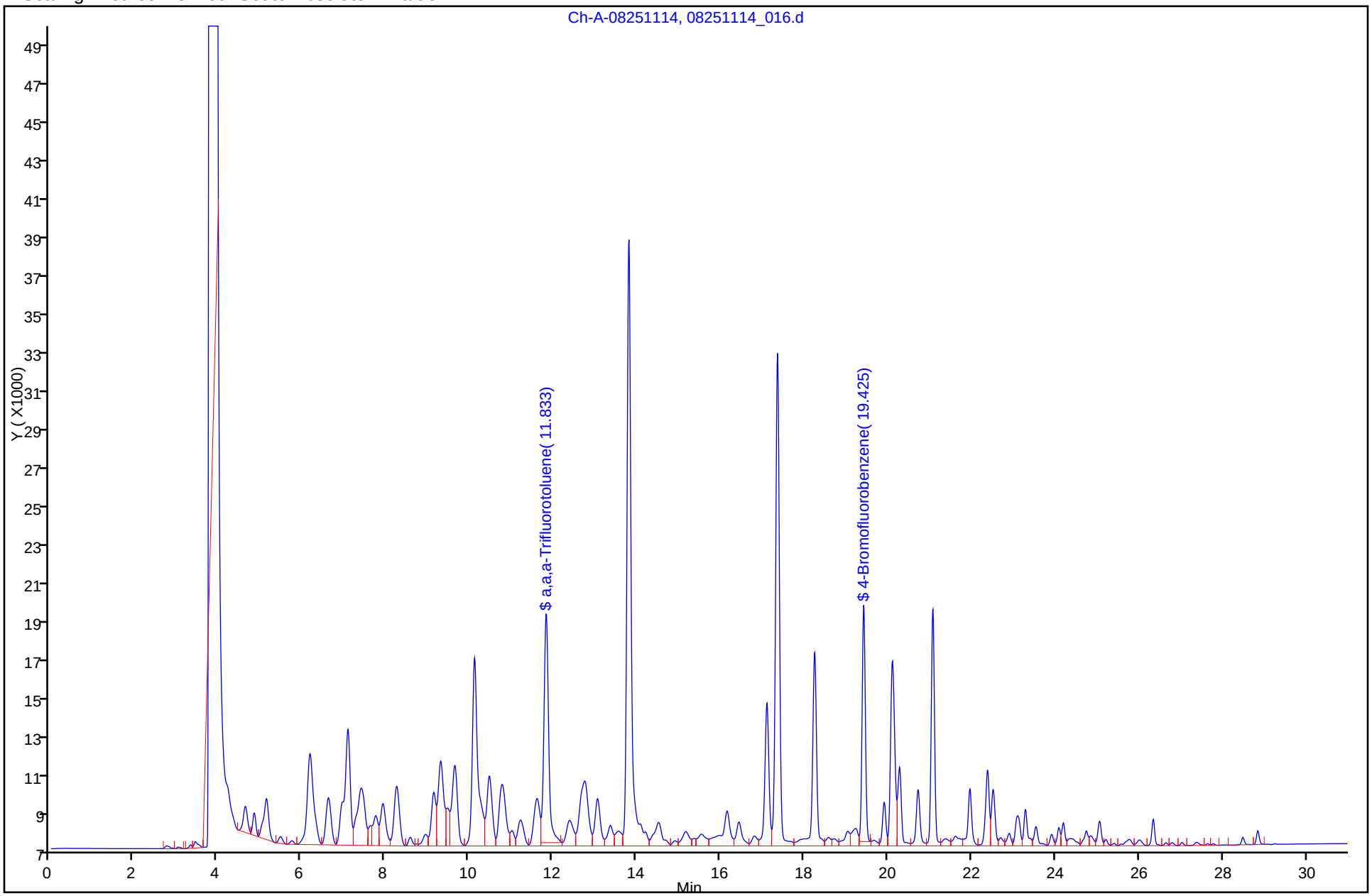
Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.10	21.18
C5-C12	14.75	4.54	24.96
Gasoline Range Organics (GRO)-C6-C12	15.53	6.10	24.96
Gasoline Range Organics (GRO)-C6-C10	16.27	6.10	26.45
a,a,a-Trifluorotoluene	11.83	11.74	11.94
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_016.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	25-Aug-2011 12:29:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 082511,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	2
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.839	-0.006	11944	19.7	
A 10 GRO	13.638	6.095 - 21.182		3026278	387.9	
A 5 C5-C12	14.750	4.536 - 24.964		3386452	386.5	
A 7 C6-C12	15.529	6.095 - 24.964		3309861	386.9	
A 6 C6-C10	16.273	6.095 - 26.451		3357614	388.0	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	12348	20.0	

Report Date: 26-Aug-2011 03:12:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_016.d
Injection Date: 25-Aug-2011 12:29:40 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/13 Calibration Date: 08/25/2011 19:00

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_027.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		7472		383	400	-4.3	15.0
C5-C12	Lin2		8344		381	400	-4.8	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		8163		382	400	-4.6	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		8267		382	400	-4.5	15.0
a,a,a-Trifluorotoluene	Lin2		582.7		19.2	20.0	-4.0	15.0
4-Bromofluorobenzene	Lin2		590.4		19.2	20.0	-4.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/13 Calibration Date: 08/25/2011 19:00

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_027.d Heated Purge: (Y/N) Y

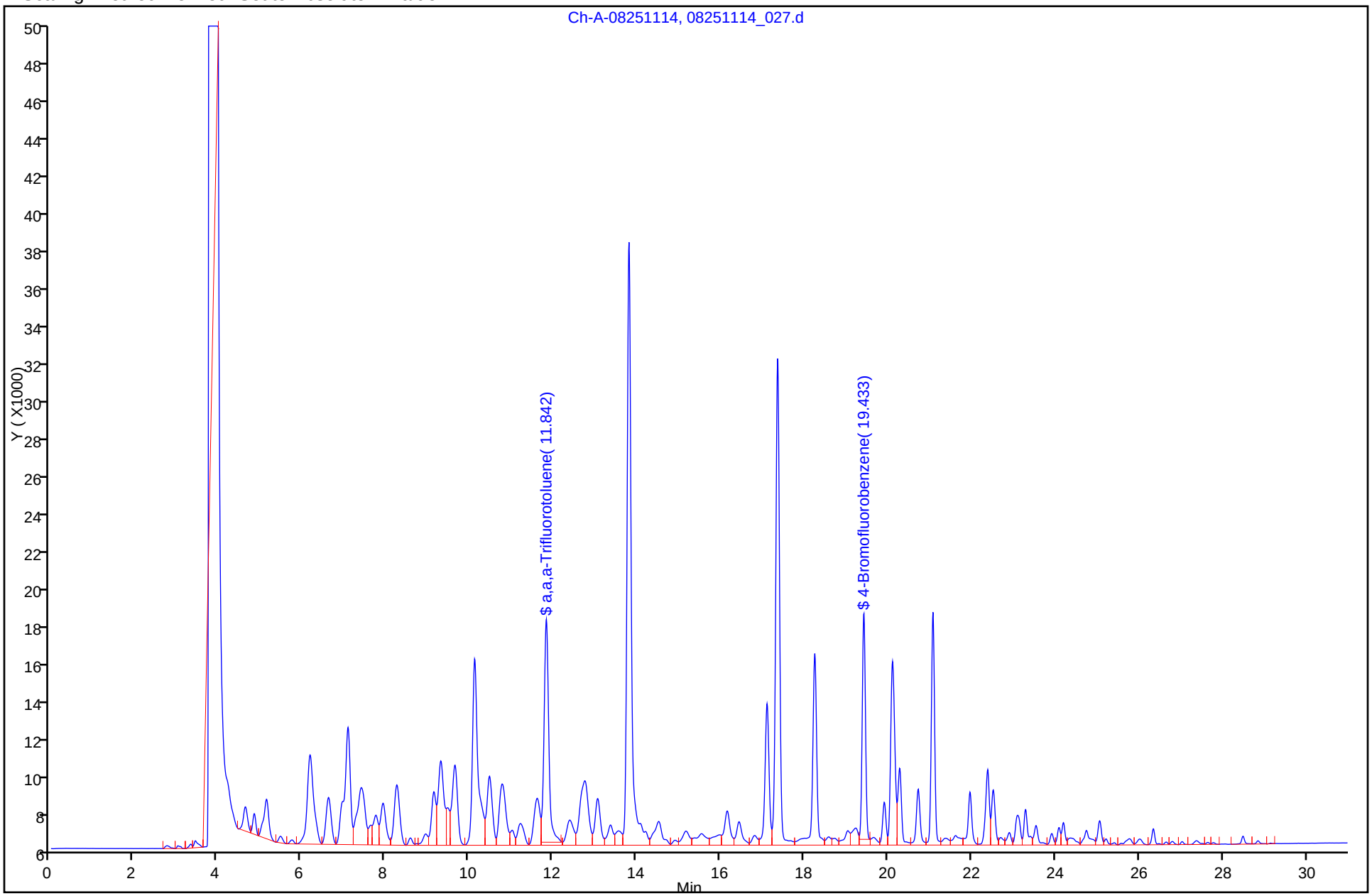
Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.10	21.18
C5-C12	14.75	4.54	24.96
Gasoline Range Organics (GRO)-C6-C12	15.53	6.10	24.96
Gasoline Range Organics (GRO)-C6-C10	16.27	6.10	26.45
a,a,a-Trifluorotoluene	11.84	11.74	11.94
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_027.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	25-Aug-2011 19:00:13	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 082511,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	13
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:28	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	11654	19.2	
A 10 GRO	13.638	6.095 - 21.182		2988802	383.0	
A 5 C5-C12	14.750	4.536 - 24.964		3337718	380.8	
A 7 C6-C12	15.529	6.095 - 24.964		3265384	381.6	
A 6 C6-C10	16.273	6.095 - 26.451		3306701	381.9	
$ 3 4-Bromofluorobenzene	19.433	19.428	0.005	11808	19.2	

Report Date: 26-Aug-2011 03:12:28 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_027.d
Injection Date: 25-Aug-2011 19:00:13 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 13
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.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/15 Calibration Date: 08/25/2011 20:11

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_029.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		7413		380	400	-5.0	15.0
C5-C12	Lin2		8276		378	400	-5.6	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		8096		378	400	-5.4	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		8197		379	400	-5.3	15.0
a,a,a-Trifluorotoluene	Lin2		568.6		18.8	20.0	-6.0	15.0
4-Bromofluorobenzene	Lin2		580.5		18.8	20.0	-6.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123725/15 Calibration Date: 08/25/2011 20:11

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08251114_029.d Heated Purge: (Y/N) Y

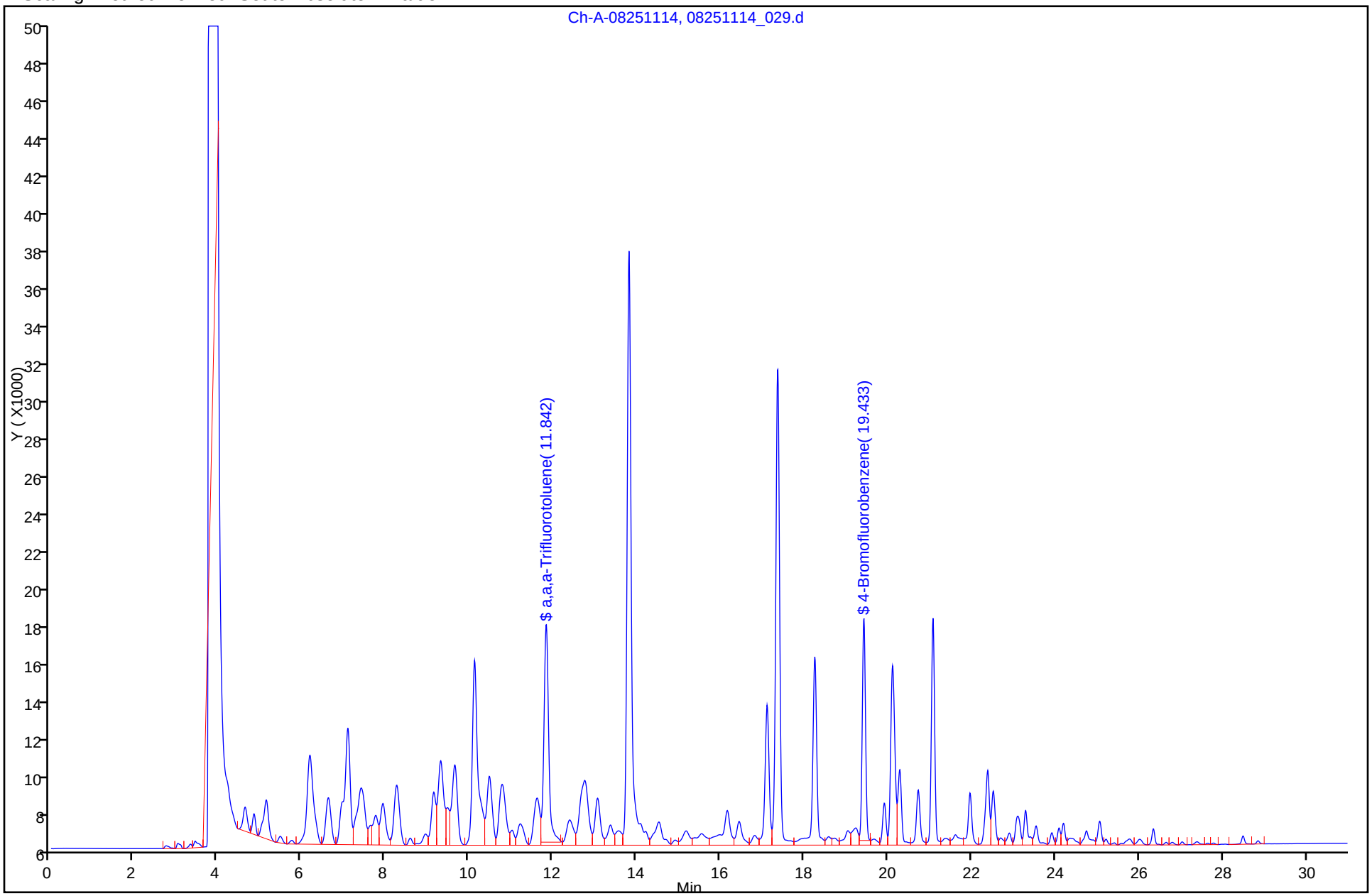
Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.64	6.10	21.18
C5-C12	14.75	4.54	24.96
Gasoline Range Organics (GRO)-C6-C12	15.53	6.10	24.96
Gasoline Range Organics (GRO)-C6-C10	16.27	6.10	26.45
a,a,a-Trifluorotoluene	11.84	11.74	11.94
4-Bromofluorobenzene	19.43	19.33	19.53

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_029.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	25-Aug-2011 20:11:23	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 082511,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	15
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:31	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	11372	18.8	
A 10 GRO	13.638	6.095 - 21.182		2965330	380.0	
A 5 C5-C12	14.750	4.536 - 24.964		3310248	377.6	
A 7 C6-C12	15.529	6.095 - 24.964		3238547	378.4	
A 6 C6-C10	16.273	6.095 - 26.451		3278997	378.7	
$ 3 4-Bromofluorobenzene	19.433	19.428	0.005	11610	18.8	

Report Date: 26-Aug-2011 03:12:31 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_029.d
Injection Date: 25-Aug-2011 20:11:23 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123725 Lims Sample ID: 15
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.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123727/2 Calibration Date: 08/26/2011 06:49

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08261114_002.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		7695		395	400	-1.3	15.0
C5-C12	Lin2		8612		393	400	-1.7	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		8395		393	400	-1.9	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		8501		393	400	-1.8	15.0
a,a,a-Trifluorotoluene	Lin2		606.7		20.0	20.0	0.0	15.0
4-Bromofluorobenzene	Lin2		626.0		20.3	20.0	1.5	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123727/2 Calibration Date: 08/26/2011 06:49

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08261114_002.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.65	6.11	21.20
C5-C12	14.76	4.55	24.98
Gasoline Range Organics (GRO)-C6-C12	15.54	6.11	24.98
Gasoline Range Organics (GRO)-C6-C10	16.29	6.11	26.47
a,a,a-Trifluorotoluene	11.84	11.76	11.96
4-Bromofluorobenzene	19.44	19.34	19.54

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_002.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	26-Aug-2011 06:49:52	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 082611,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	2
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.855	-0.013	12133	20.0	
A 10 GRO	13.654	6.110 - 21.198		3078139	394.6	
A 5 C5-C12	14.762	4.548 - 24.977		3444874	393.3	
A 7 C6-C12	15.543	6.110 - 24.977		3357860	392.6	
A 6 C6-C10	16.288	6.110 - 26.465		3400277	393.0	
$ 3 4-Bromofluorobenzene	19.442	19.444	-0.002	12520	20.3	

Report Date: 27-Aug-2011 02:46:27 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_002.d

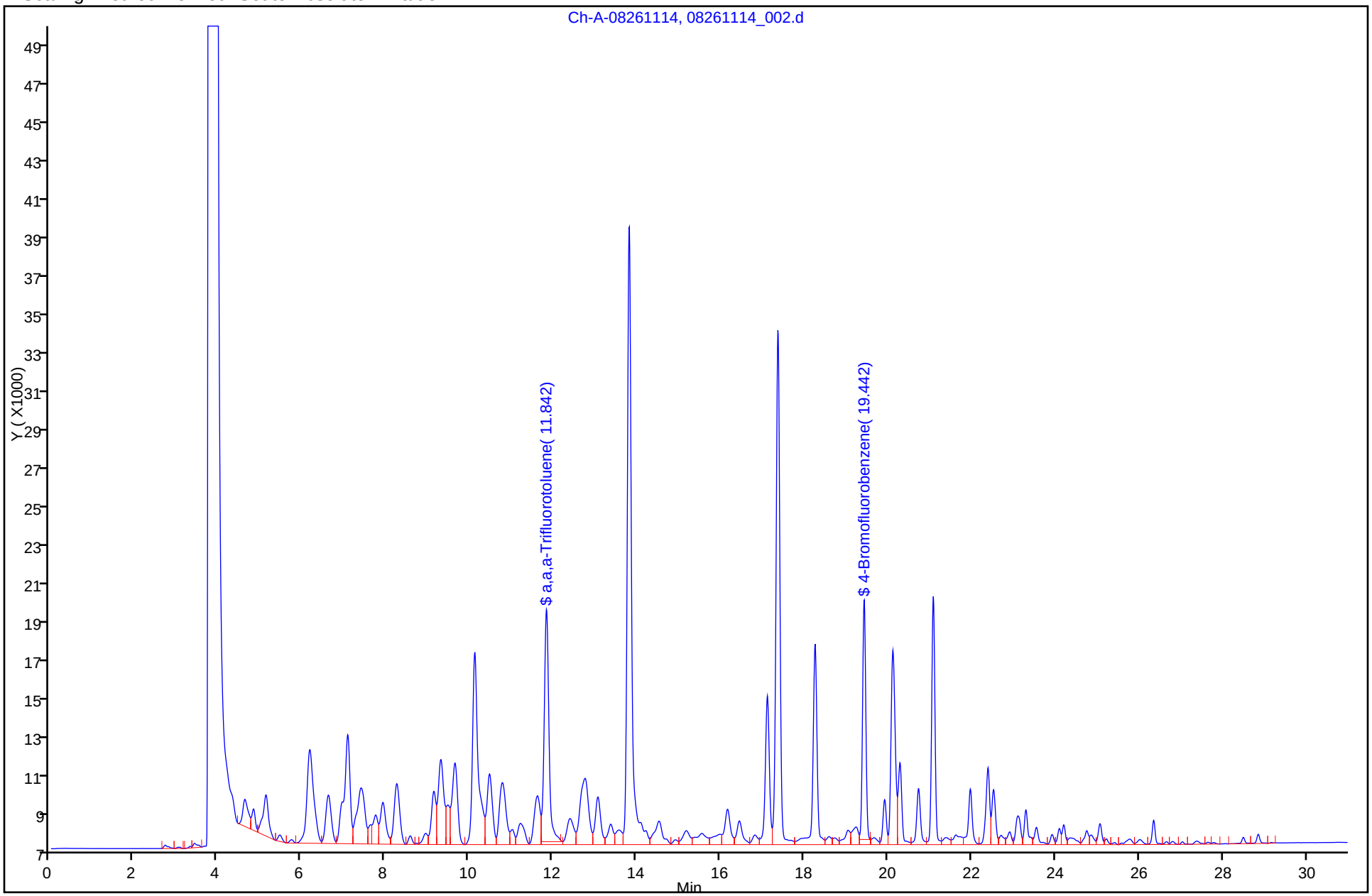
Injection Date: 26-Aug-2011 06:49:52 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123727 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.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123727/7 Calibration Date: 08/26/2011 09:47

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08261114_007.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		7656		393	400	-1.9	15.0
C5-C12	Lin2		8621		394	400	-1.6	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		8453		395	400	-1.2	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		8571		396	400	-0.9	15.0
a,a,a-Trifluorotoluene	Lin2		599.7		19.8	20.0	-1.0	15.0
4-Bromofluorobenzene	Lin2		612.8		19.9	20.0	-0.5	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 500-123727/7 Calibration Date: 08/26/2011 09:47

Instrument ID: INST13-14 Calib Start Date: 08/25/2011 07:09

GC Column: DB624 ID: 0.20(mm) Calib End Date: 08/25/2011 10:42

Lab File ID: 08261114_007.d Heated Purge: (Y/N) Y

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.65	6.11	21.20
C5-C12	14.76	4.55	24.98
Gasoline Range Organics (GRO)-C6-C12	15.54	6.11	24.98
Gasoline Range Organics (GRO)-C6-C10	16.29	6.11	26.47
a,a,a-Trifluorotoluene	11.84	11.76	11.96
4-Bromofluorobenzene	19.43	19.34	19.54

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_007.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	26-Aug-2011 09:47:43	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 082611,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	7
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:34	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.855	-0.013	11994	19.8	
A 10 GRO	13.654	6.110 - 21.198		3062209	392.6	
A 5 C5-C12	14.762	4.548 - 24.977		3448434	393.7	
A 7 C6-C12	15.543	6.110 - 24.977		3381350	395.4	
A 6 C6-C10	16.288	6.110 - 26.465		3428308	396.3	
$ 3 4-Bromofluorobenzene	19.425	19.444	-0.019	12255	19.9	

Report Date: 27-Aug-2011 02:46:34 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_007.d

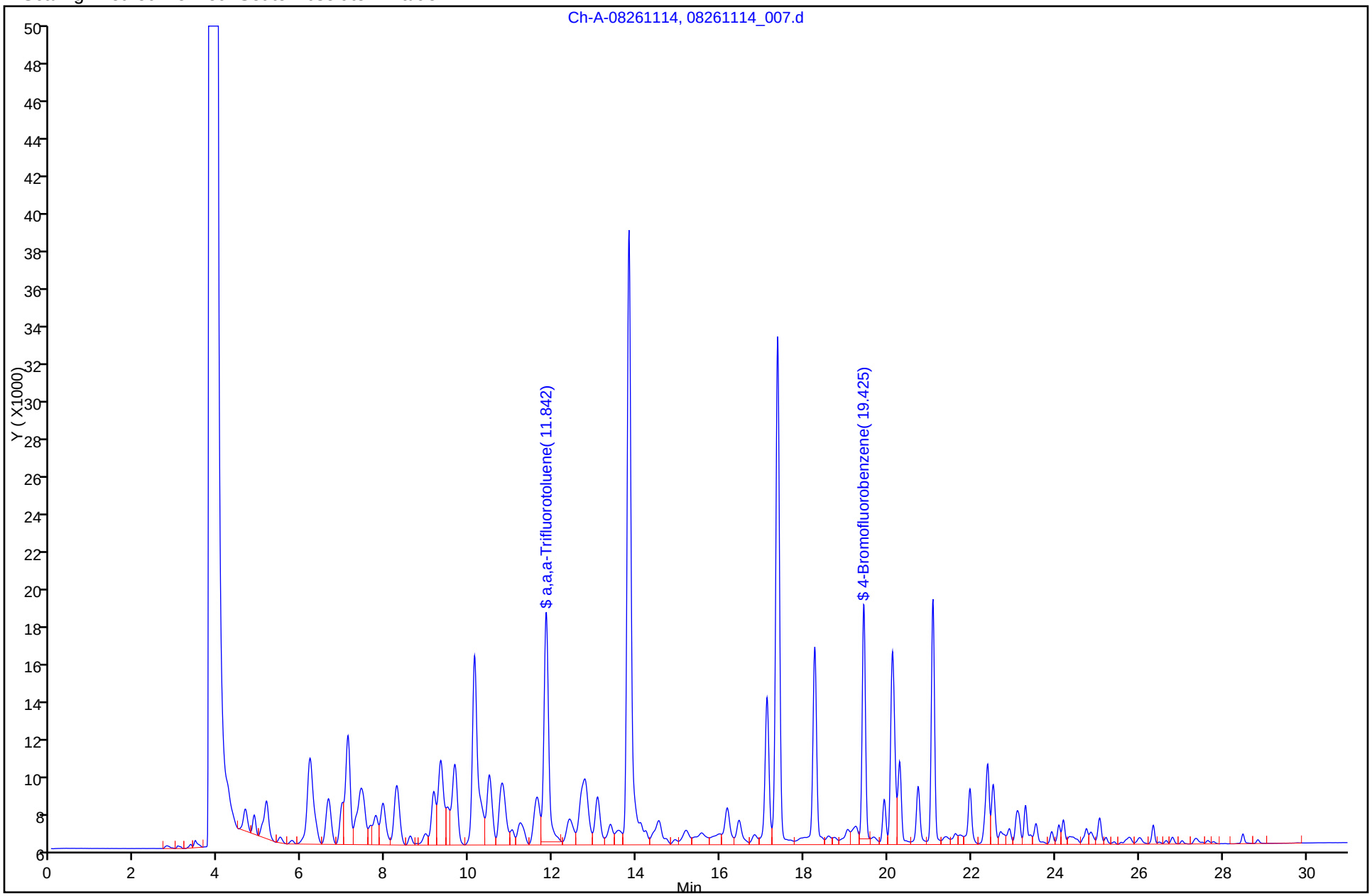
Injection Date: 26-Aug-2011 09:47:43 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123727 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.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-123725/3

Matrix: Solid | Lab File ID: 08251114_017.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/25/2011 13:05

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 123725 | 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	96		51-117
98-08-8	a,a,a-Trifluorotoluene	99		64-116

Report Date: 26-Aug-2011 03:12:17 Chrom Revision: 1.2 13-Jul-2011 10:43:06

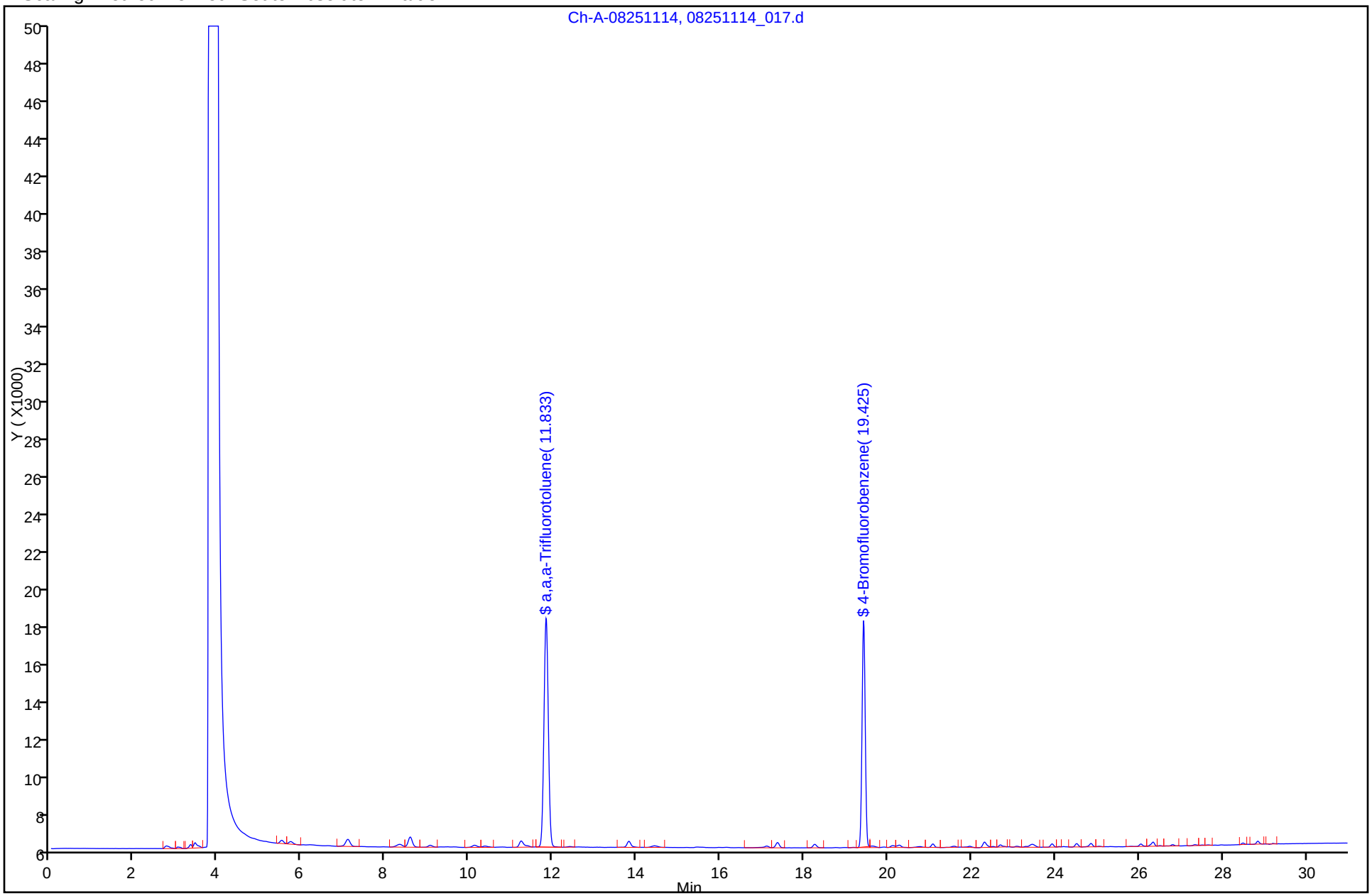
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_017.d		
Lims ID:	mb	Client ID:	
Inject. Date:	25-Aug-2011 13:05:12	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	#: cd= Name: 082511,gro14s,mb		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	3
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 26-Aug-2011 03:03:54

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.839	-0.006	11955	19.7	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	11838	19.2	

Report Date: 26-Aug-2011 03:12:17 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_017.d
Injection Date: 25-Aug-2011 13:05:12 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-123727/3

Matrix: Solid | Lab File ID: 08261114_003.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/26/2011 07:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 123727 | 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	98		51-117
98-08-8	a,a,a-Trifluorotoluene	102		64-116

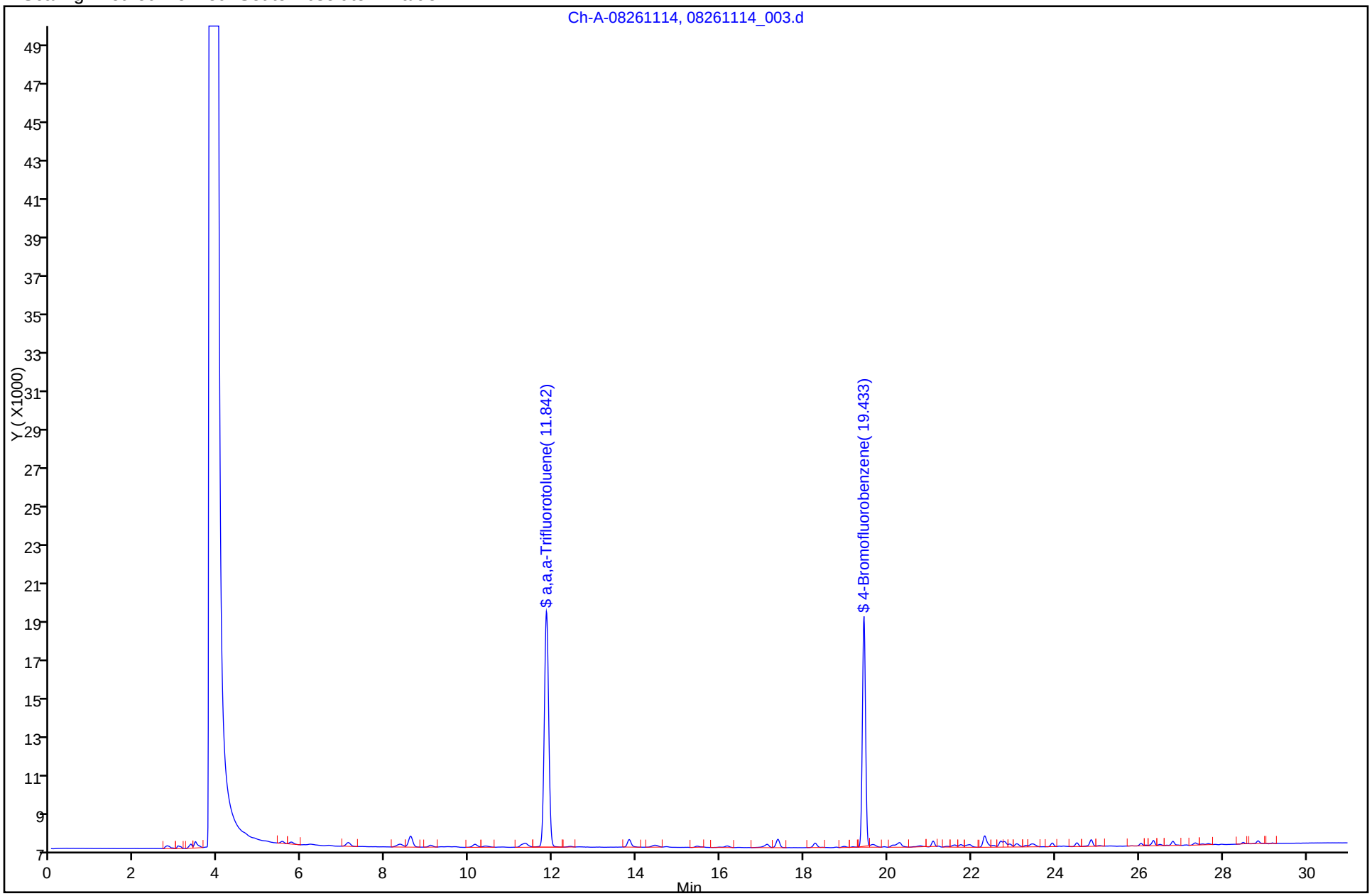
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_003.d		
Lims ID:	mb	Client ID:	
Inject. Date:	26-Aug-2011 07:25:28	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	#: cd= Name: 082611,gro14s,mb		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	3
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 26-Aug-2011 09:00:35

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.855	-0.013	12309	20.3	
$ 3 4-Bromofluorobenzene	19.433	19.444	-0.011	12017	19.5	

Report Date: 27-Aug-2011 02:46:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_003.d
Injection Date: 26-Aug-2011 07:25:28 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 123727 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.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 500-123725/4

Matrix: Solid | Lab File ID: 08251114_018.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/25/2011 13:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.414		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		51-117
98-08-8	a,a,a-Trifluorotoluene	99		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_018.d		
Lims ID:	lcs	Client ID:	
Inject. Date:	25-Aug-2011 13:40:46	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	#: cd= Name: 082511,gro14s,lcs		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	4
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.839	-0.006	11952	19.7	
A 10 GRO	13.638	6.095 - 21.182		3261191	418.4	
A 5 C5-C12	14.750	4.536 - 24.964		3622055	413.9	
A 7 C6-C12	15.529	6.095 - 24.964		3507705	410.5	
A 6 C6-C10	16.273	6.095 - 26.451		3539966	409.5	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	11946	19.4	

Report Date: 26-Aug-2011 03:12:18 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_018.d

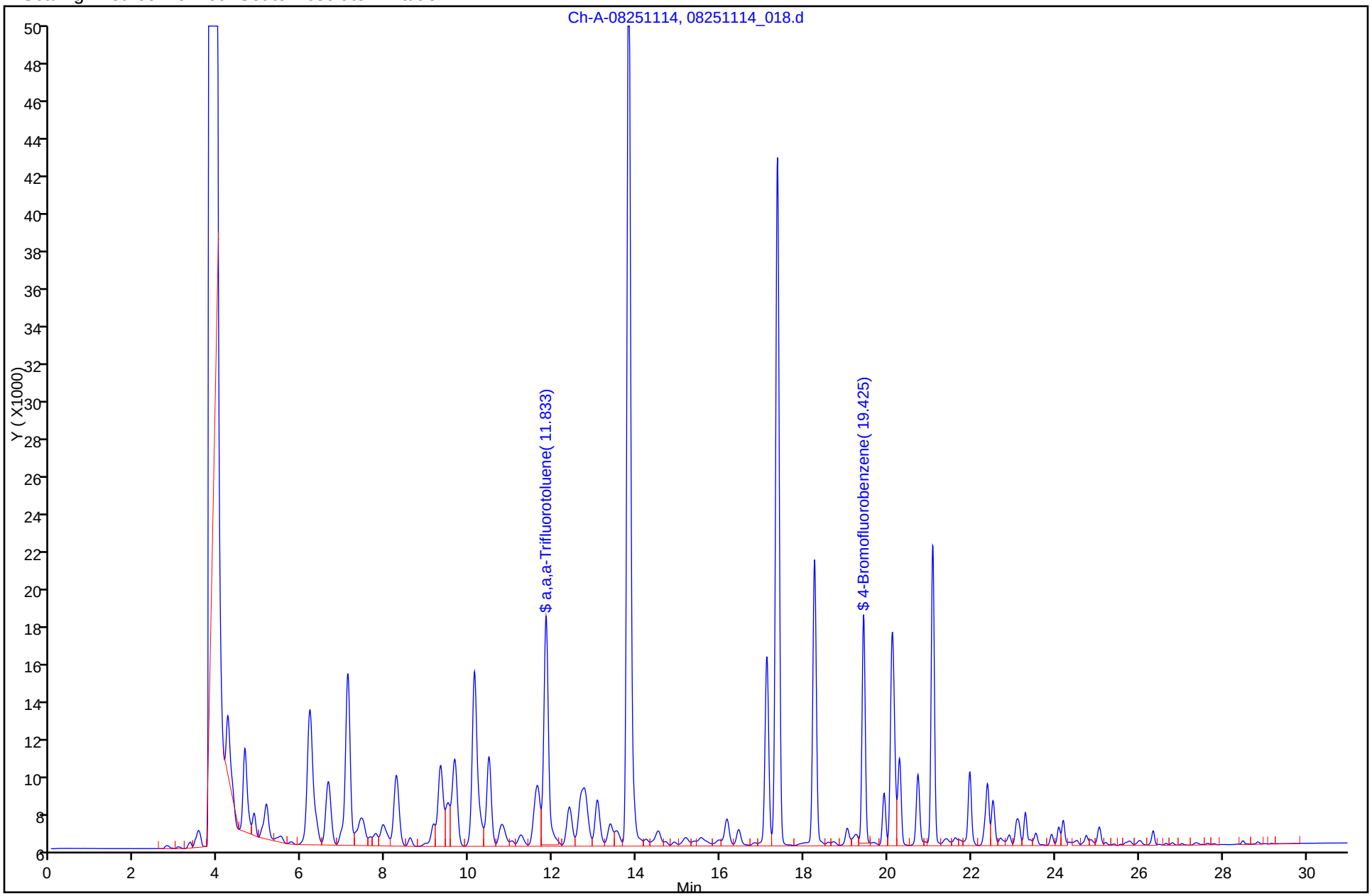
Injection Date: 25-Aug-2011 13:40:46 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 500-123727/4

Matrix: Solid | Lab File ID: 08261114_004.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/26/2011 08:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 123727 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.421		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	101		51-117
98-08-8	a,a,a-Trifluorotoluene	103		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_004.d		
Lims ID:	lcs	Client ID:	
Inject. Date:	26-Aug-2011 08:01:01	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	#: cd= Name: 082611,gro14s,lcs		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	4
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.855	-0.013	12487	20.6	
A 10 GRO	13.654	6.110 - 21.198		3297262	423.1	
A 5 C5-C12	14.762	4.548 - 24.977		3686792	421.4	
A 7 C6-C12	15.543	6.110 - 24.977		3562607	417.0	
A 6 C6-C10	16.288	6.110 - 26.465		3596119	416.2	
$ 3 4-Bromofluorobenzene	19.433	19.444	-0.011	12408	20.1	

Report Date: 27-Aug-2011 02:46:30 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_004.d

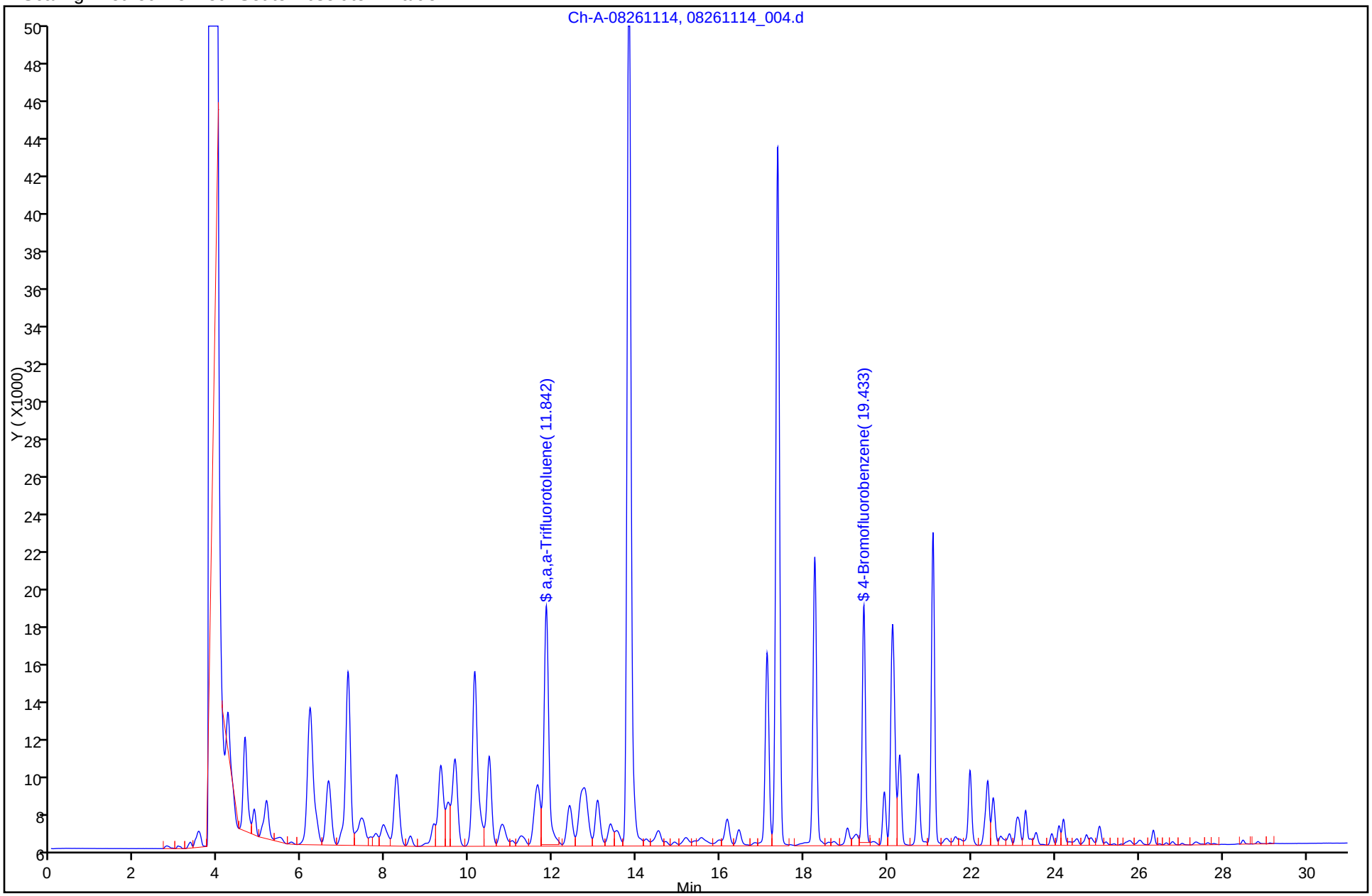
Injection Date: 26-Aug-2011 08:01:01 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123727 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.: 510-69047-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 500-123727/6

Matrix: Solid | Lab File ID: 08261114_006.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 08/26/2011 09:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 123727 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.426		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	98		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\20110826-5406.b\08261114_006.d		
Lims ID:	lcsd	Client ID:	
Inject. Date:	26-Aug-2011 09:12:08	Dil. Factor:	1.0000
Sample Type:	LCSD		
Sample ID:	#: cd= Name: 082611,gro14s,lcsd		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123727	Lims Sample ID:	6
Detector:	Ch-A-08261114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5406.b\gro14s.m		
Last Update:	27-Aug-2011 02:46:27	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.855	-0.022	12130	20.0	
A 10 GRO	13.654	6.110 - 21.198		3329952	427.4	
A 5 C5-C12	14.762	4.548 - 24.977		3722496	425.6	
A 7 C6-C12	15.543	6.110 - 24.977		3605022	422.1	
A 6 C6-C10	16.288	6.110 - 26.465		3638843	421.2	
$ 3 4-Bromofluorobenzene	19.425	19.444	-0.019	12026	19.5	

Report Date: 27-Aug-2011 02:46:33 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5406.b\08261114_006.d

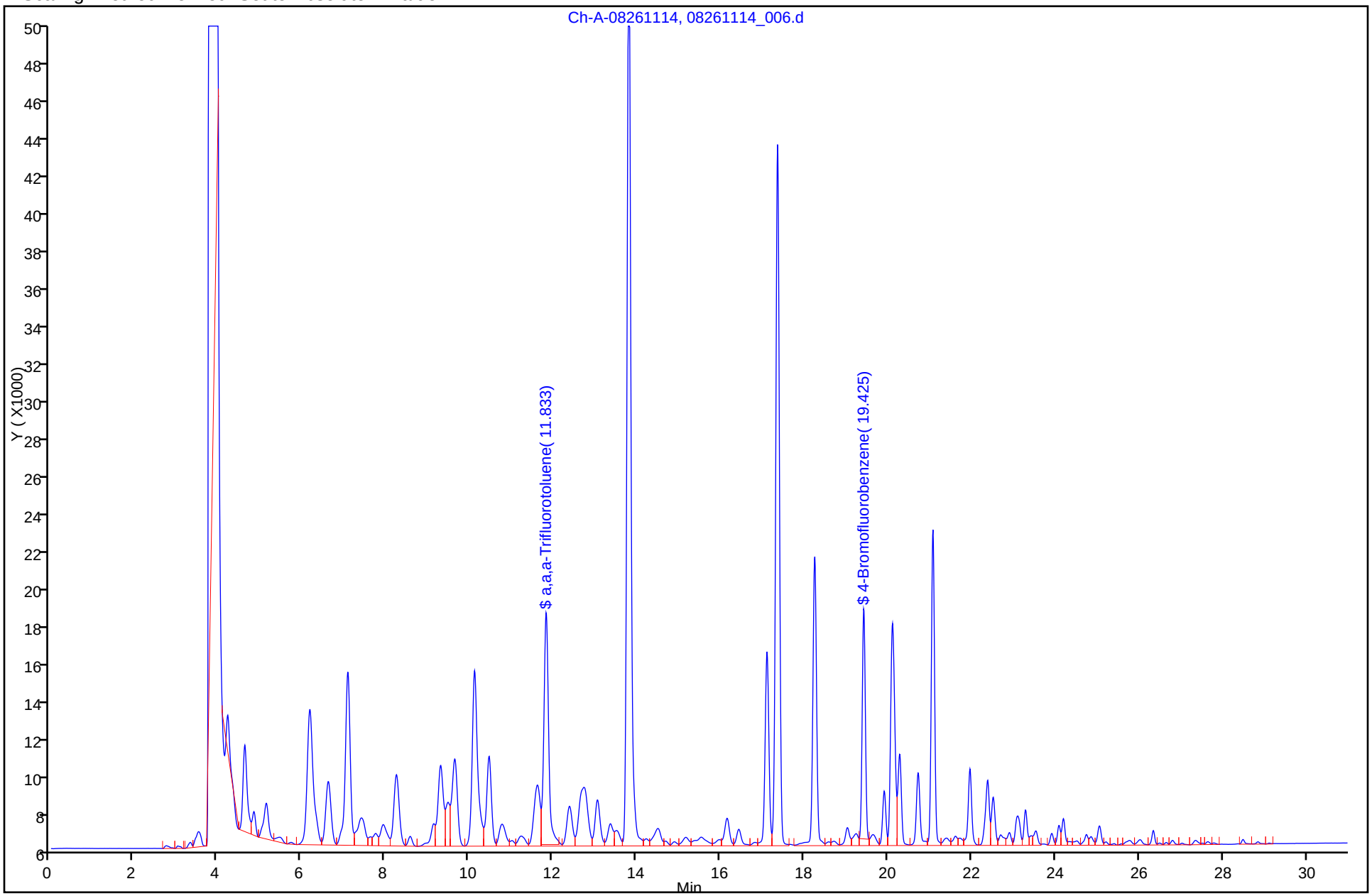
Injection Date: 26-Aug-2011 09:12:08 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 123727 Lims Sample ID: 6

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.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MS | Lab Sample ID: 510-69047-7 MS

Matrix: Solid | Lab File ID: 08251114_020.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 6.674(g) | Date Analyzed: 08/25/2011 14:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.426		0.017	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	54		51-117
98-08-8	a,a,a-Trifluorotoluene	88		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_020.d		
Lims ID:	510-69047-A-7-B MS	Client ID:	SSW-1
Inject. Date:	25-Aug-2011 14:51:43	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-7-B MS		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	6
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.833	11.839	-0.006	10711	17.7	
A 5 C5-C12	14.750	4.536 - 24.964		4442347	509.5	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	6712	10.8	

Report Date: 26-Aug-2011 03:12:21 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_020.d

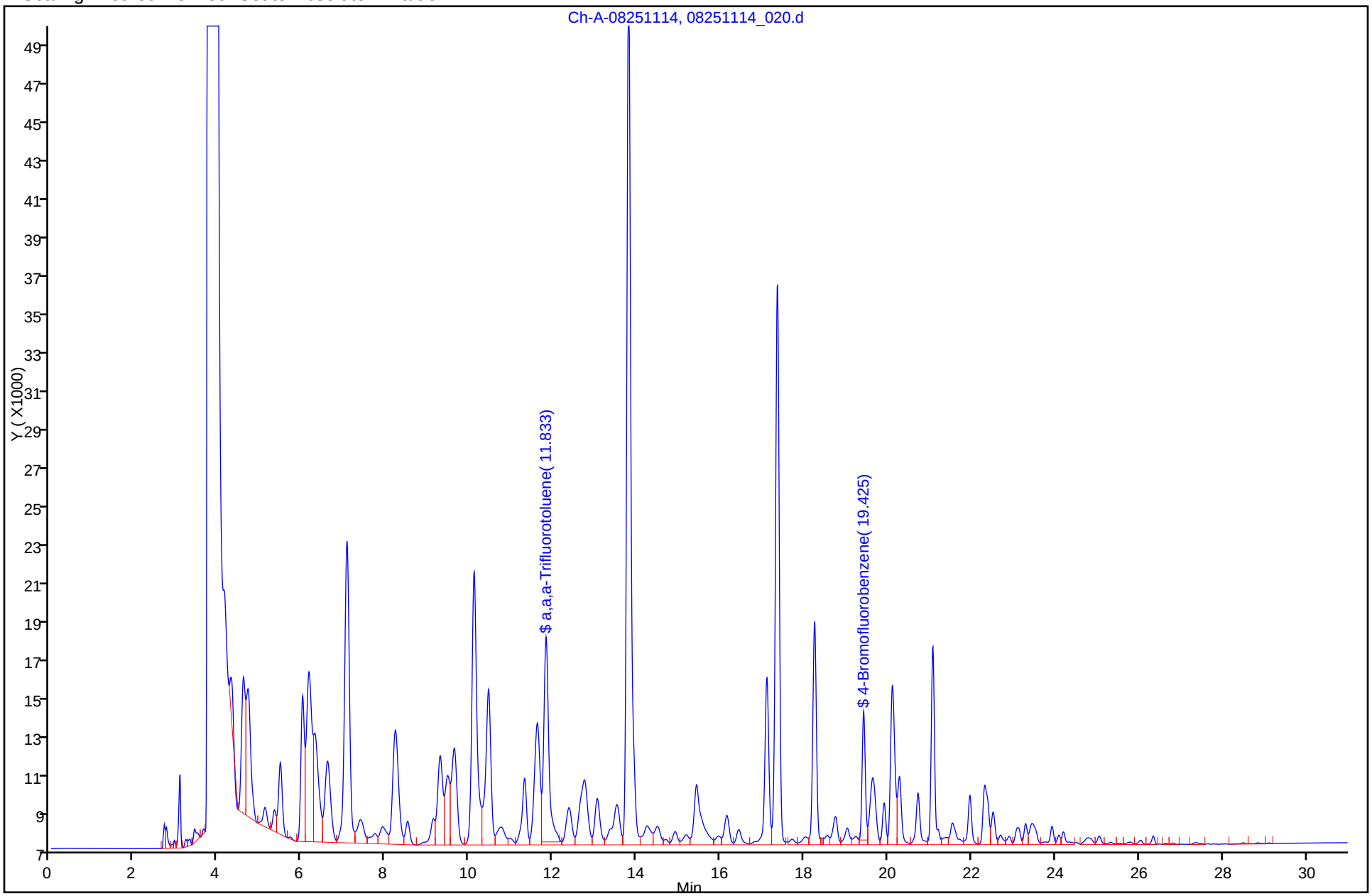
Injection Date: 25-Aug-2011 14:51:43 Limit Group: GCVOA_8015B_GRO

Client ID: SSW-1 Instrument ID: INST13-14

Lims Batch ID: 123725 Lims Sample ID: 6

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.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MSD | Lab Sample ID: 510-69047-7 MSD

Matrix: Solid | Lab File ID: 08251114_021.d

Analysis Method: 8015B | Date Collected: 08/18/2011 13:35

Sample wt/vol: 6.3366(g) | Date Analyzed: 08/25/2011 15:27

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 10.5 | Level: (low/med) Low

Analysis Batch No.: 123725 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.430		0.018	0.0068

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	50	X	51-117
98-08-8	a,a,a-Trifluorotoluene	87		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_021.d		
Lims ID:	510-69047-A-7-C MSD	Client ID:	SSW-1
Inject. Date:	25-Aug-2011 15:27:19	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	#: cd= Name: 082511,gro14s,510-69047-A-7-C MSD		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	123725	Lims Sample ID:	7
Detector:	Ch-A-08251114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110826-5405.b\gro14s.m		
Last Update:	26-Aug-2011 03:12:15	Calib Date:	25-Aug-2011 10:42:58
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110825-5374.b\08251114_013.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.842	11.839	0.003	10633	17.5	
A 5 C5-C12	14.750	4.536 - 24.964		4251959	487.3	
$ 3 4-Bromofluorobenzene	19.425	19.428	-0.003	6244	10.0	

Report Date: 26-Aug-2011 03:12:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\Chi-svr07\ChromData\GC13-14\20110826-5405.b\08251114_021.d

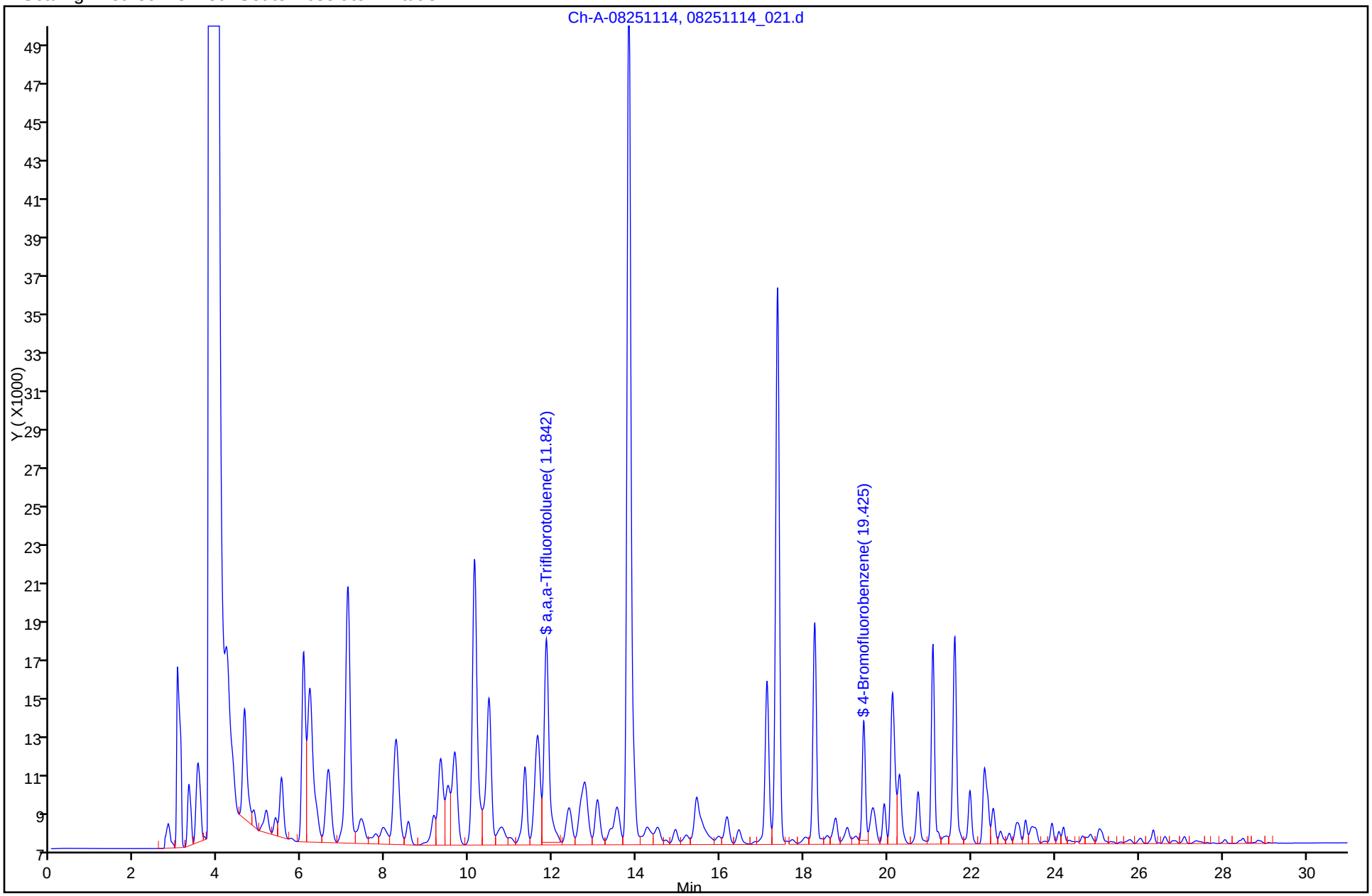
Injection Date: 25-Aug-2011 15:27:19 Limit Group: GCVOA_8015B_GRO

Client ID: SSW-1 Instrument ID: INST13-14

Lims Batch ID: 123725 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.: 510-69047-1

SDG No.:

Instrument ID: INST13-14 Start Date: 08/25/2011 07:09

Analysis Batch Number: 123594 End Date: 08/25/2011 11:18

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 500-123594/2		08/25/2011 07:09	1	08251114_007.d	DB624 0.2(mm)
IC 500-123594/3		08/25/2011 07:45	1	08251114_008.d	DB624 0.2(mm)
IC 500-123594/4		08/25/2011 08:20	1	08251114_009.d	DB624 0.2(mm)
IC 500-123594/5		08/25/2011 08:56	1	08251114_010.d	DB624 0.2(mm)
IC 500-123594/6		08/25/2011 09:31	1	08251114_011.d	DB624 0.2(mm)
IC 500-123594/7		08/25/2011 10:07	1	08251114_012.d	DB624 0.2(mm)
IC 500-123594/8		08/25/2011 10:42	1	08251114_013.d	DB624 0.2(mm)
ICV 500-123594/9		08/25/2011 11:18	1	08251114_014.d	DB624 0.2(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Instrument ID: INST13-14 Start Date: 08/25/2011 11:54

Analysis Batch Number: 123725 End Date: 08/25/2011 20:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/25/2011 11:54	1		DB624 0.2(mm)
CCV 500-123725/2		08/25/2011 12:29	1	08251114_016.d	DB624 0.2(mm)
MB 500-123725/3		08/25/2011 13:05	1	08251114_017.d	DB624 0.2(mm)
LCS 500-123725/4		08/25/2011 13:40	1	08251114_018.d	DB624 0.2(mm)
510-69047-7	SSW-1	08/25/2011 14:16	1	08251114_019.d	DB624 0.2(mm)
510-69047-7 MS	SSW-1 MS	08/25/2011 14:51	1	08251114_020.d	DB624 0.2(mm)
510-69047-7 MSD	SSW-1 MSD	08/25/2011 15:27	1	08251114_021.d	DB624 0.2(mm)
510-69047-1	NSW-1	08/25/2011 16:02	1	08251114_022.d	DB624 0.2(mm)
510-69047-2	ESW-1	08/25/2011 16:38	1	08251114_023.d	DB624 0.2(mm)
ZZZZZ		08/25/2011 17:13	1		DB624 0.2(mm)
510-69047-4	WFS-1	08/25/2011 17:49	1	08251114_025.d	DB624 0.2(mm)
510-69047-5	EFS-1	08/25/2011 18:24	1	08251114_026.d	DB624 0.2(mm)
CCV 500-123725/13		08/25/2011 19:00	1	08251114_027.d	DB624 0.2(mm)
510-69047-6	FIELD DUPLICATE	08/25/2011 19:35	1	08251114_028.d	DB624 0.2(mm)
CCV 500-123725/15		08/25/2011 20:11	1	08251114_029.d	DB624 0.2(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Instrument ID: INST13-14 Start Date: 08/26/2011 06:14

Analysis Batch Number: 123727 End Date: 08/26/2011 09:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/26/2011 06:14	1		DB624 0.2(mm)
CCV 500-123727/2		08/26/2011 06:49	1	08261114_002.d	DB624 0.2(mm)
MB 500-123727/3		08/26/2011 07:25	1	08261114_003.d	DB624 0.2(mm)
LCS 500-123727/4		08/26/2011 08:01	1	08261114_004.d	DB624 0.2(mm)
510-69047-3	WSW-1	08/26/2011 08:36	1	08261114_005.d	DB624 0.2(mm)
LCSD 500-123727/6		08/26/2011 09:12	1	08261114_006.d	DB624 0.2(mm)
CCV 500-123727/7		08/26/2011 09:47	1	08261114_007.d	DB624 0.2(mm)

4 8015B (S-12) Soils (LA) 1 TAT 8/29

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet Screener: _____ Job Number: 510-69047

Sample File Name	Dilution	pH	Tune	Action	Prep Batch 123444	MeOH Lot #	Misc. Info WL5405/5406			
A1A	Str	<2	0825114_022	CAL	123725	DD946	145.749	~~160~~ 130	8768	961
A2A	Str	<2	0825114_023				84.996	81	9188	964
A3A	Str	<2	0825114_024	Rerun Str		DD946	49.757	BFB out low 7.3		948
B3A	Str		0826114_005	CAL	123727		51.071	46	8543	
A4A	Str	<2	0825114_025	CAL	123725	DD946	103.802	91	8390	957
A5A	Str	<2	0825114_026				80.114	74	9051	983
A6A	Str	<2	0825114_027				160.282	150	8998	961

Reviewed by: William R. Ets Date: 8-27-11

CHI-22-20-075/C-07/10

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: ______

Job Number: 500-

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	MeOH Lot #	Misc. Info
B7A	STK	<2	08251114_019	al	123725	DD946	195 ~~BFB out low~~ 160 7543 895
A7B MS	STK	<2	08251114_020				509.457
A7C MSD	STK	<2	08251114_021	NCM			487.278 BFB out low

Reviewed by: [signature] Date: 8-29-11

CHI-22-20-075/C-07/10

TestAmerica Chicago

GC/MS Volatiles Internal Chain of Custody Form

ICOC Job Number: 510-69047

Date	Time Out	Time In	ICOC Initials	Misc. Info
8-25-11	0235	—	WM	AP Vials B7A, A 1-6, 7MS, 7MSDA
8-26-11	0645	—	WM	B3A

CHL-22-20-074/A-8/100

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-69047-1

SDG No.:

Batch Number: 123444 Batch Start Date: 08/18/11 13:00 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	
510-69047-A-1	NSW-1	5035, 8015B	T	+031.781 g	37.4834 g	5.7024 g	5 mL	ap	
510-69047-A-2	ESW-1	5035, 8015B	T	+031.969 g	37.4108 g	5.4418 g	5 mL	ap	
510-69047-B-3	WSW-1	5035, 8015B	T	+031.632 g	37.4850 g	5.853 g	5 mL	ap	
510-69047-A-4	WFS-1	5035, 8015B	T	+031.843 g	37.8025 g	5.9595 g	5 mL	ap	
510-69047-A-5	EFS-1	5035, 8015B	T	+031.999 g	37.5234 g	5.5244 g	5 mL	ap	
510-69047-A-6	FIELD DUPLICATE	5035, 8015B	T	+032.275 g	37.8317 g	5.5567 g	5 mL	ap	
510-69047-B-7	SSW-1	5035, 8015B	T	+032.126 g	38.7547 g	6.6287 g	5 mL	ap	
510-69047-A-7 MS	SSW-1	5035, 8015B	T	+031.858 g	38.5320 g	6.674 g	5 mL	ap	
510-69047-A-7 MSD	SSW-1	5035, 8015B	T	+032.270 g	38.6066 g	6.3366 g	5 mL	ap	

Batch Notes	
Balance ID	C-1952

Basis	Basis Description
T	Total/NA

Method 8015B - DRO

Diesel Range Organics (DRO) (GC) by Method 8015B

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): 8015 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBP1	#
NSW-1 DL2	510-69047-1 DL2	0	D
ESW-1	510-69047-2	33	
WSW-1	510-69047-3	21	
WFS-1 DL2	510-69047-4 DL2	0	D
EFS-1 DL	510-69047-5 DL	0	D
FIELD DUPLICATE DL	510-69047-6 DL	0	D
SSW-1	510-69047-7	28	
	MB 510-85436/1-A	55	
	LCS 510-85436/2-A	61	
SSW-1 MS	510-69047-7 MS	37	
SSW-1 MSD	510-69047-7 MSD	42	

	QC LIMITS
DBP = Decafluorobiphenyl	10-122

Column to be used to flag recovery values

FORM II 8015B

FORM III
DIESEL RANGE ORGANICS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C5720.D

Lab ID: LCS 510-85436/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C8-C36	33.2	21.1	64	30-146	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C5731.D

Lab ID: 510-69047-7 MS Client ID: SSW-1 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C8-C36	36.0	43	79.3	100	30-146	

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM III
DIESEL RANGE ORGANICS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C5732.D

Lab ID: 510-69047-7 MSD Client ID: SSW-1 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C8-C36	36.4	104	168	27	30	30-146	F

Column to be used to flag recovery and RPD values

FORM III 8015B

FORM IV
DIESEL RANGE ORGANICS METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: MB 510-85436/1-A

Matrix: Solid Date Extracted: 08/22/2011 07:55

Lab File ID:(1) C5719.D Lab File ID:(2)

Date Analyzed:(1) 08/22/2011 12:42 Date Analyzed:(2)

Instrument ID:(1) SGCC Instrument ID:(2)

GC Column:(1) 8015 ID: 0.25(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 510-85436/2-A	08/22/2011 13:14	
WSW-1	510-69047-3	08/22/2011 13:46	
ESW-1	510-69047-2	08/22/2011 15:23	
SSW-1	510-69047-7	08/22/2011 17:32	
SSW-1 MS	510-69047-7 MS	08/22/2011 19:09	
SSW-1 MSD	510-69047-7 MSD	08/22/2011 19:42	
NSW-1 DL2	510-69047-1 DL2	08/22/2011 20:15	
WFS-1 DL2	510-69047-4 DL2	08/22/2011 20:47	
EFS-1 DL	510-69047-5 DL	08/22/2011 21:20	
FIELD DUPLICATE DL	510-69047-6 DL	08/22/2011 21:52	

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: NSW-1 DL2 | Lab Sample ID: 510-69047-1 DL2

Matrix: Solid | Lab File ID: C5733.D

Analysis Method: 8015B | Date Collected: 08/18/2011 13:00

Extraction Method: 3541 | Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.62(g) | Date Analyzed: 08/22/2011 20:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 3.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	740		410	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	0	D	10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5733.D		
Lims ID:	510-69047-I-1-A	Client ID:	NSW-1
Inject. Date:	22-Aug-2011 20:15:16	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	510-69047-i-1-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	85451	Lims Sample ID:	19
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	23-Aug-2011 08:17:48

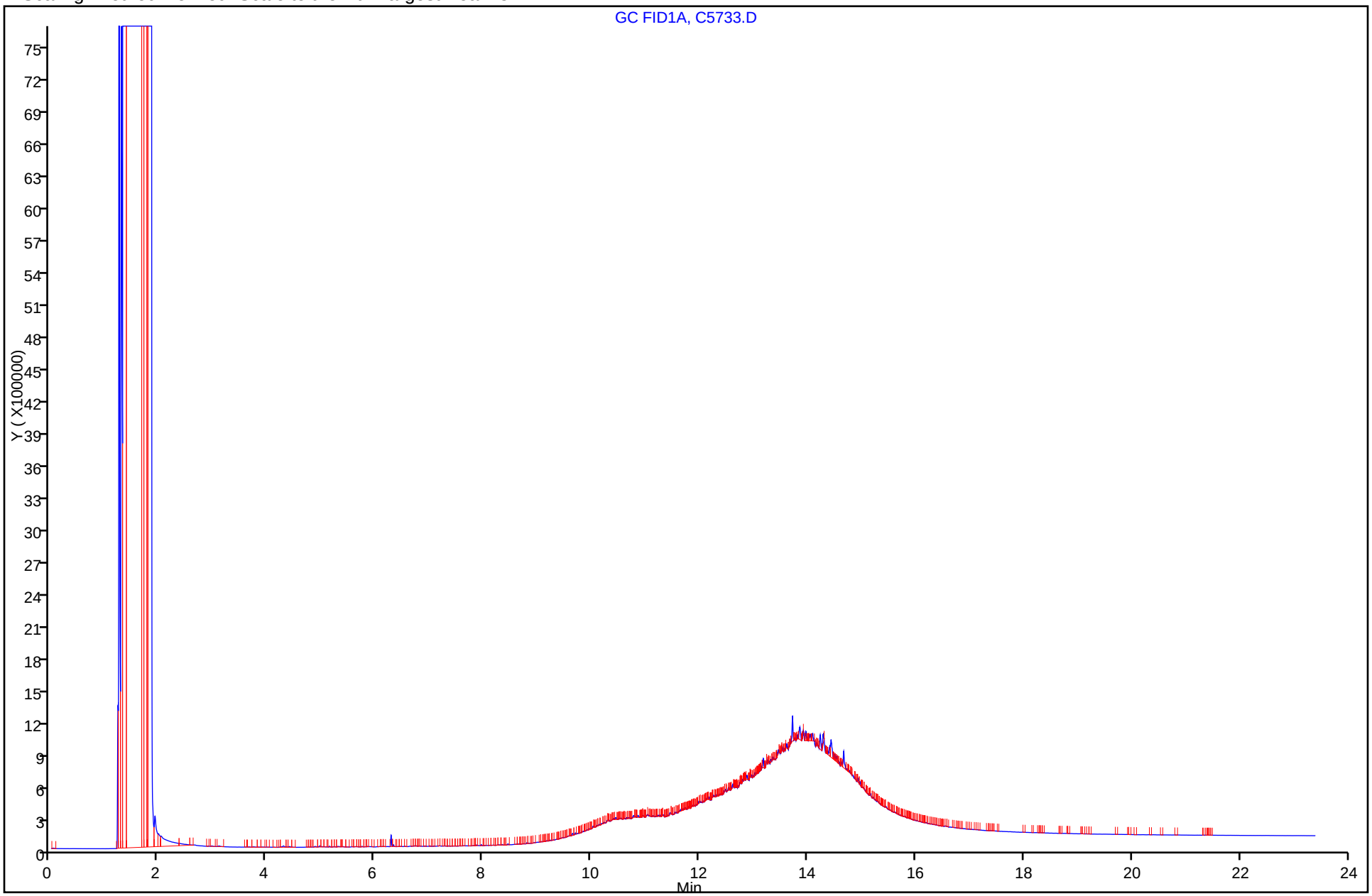
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl		6.297				
A	3 C8-C36	9.520	2.977 - 16.064		201137555	1082.0	

Report Date: 23-Aug-2011 08:17:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5733.D

Injection Date:	22-Aug-2011 20:15:16	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	NSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	19
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

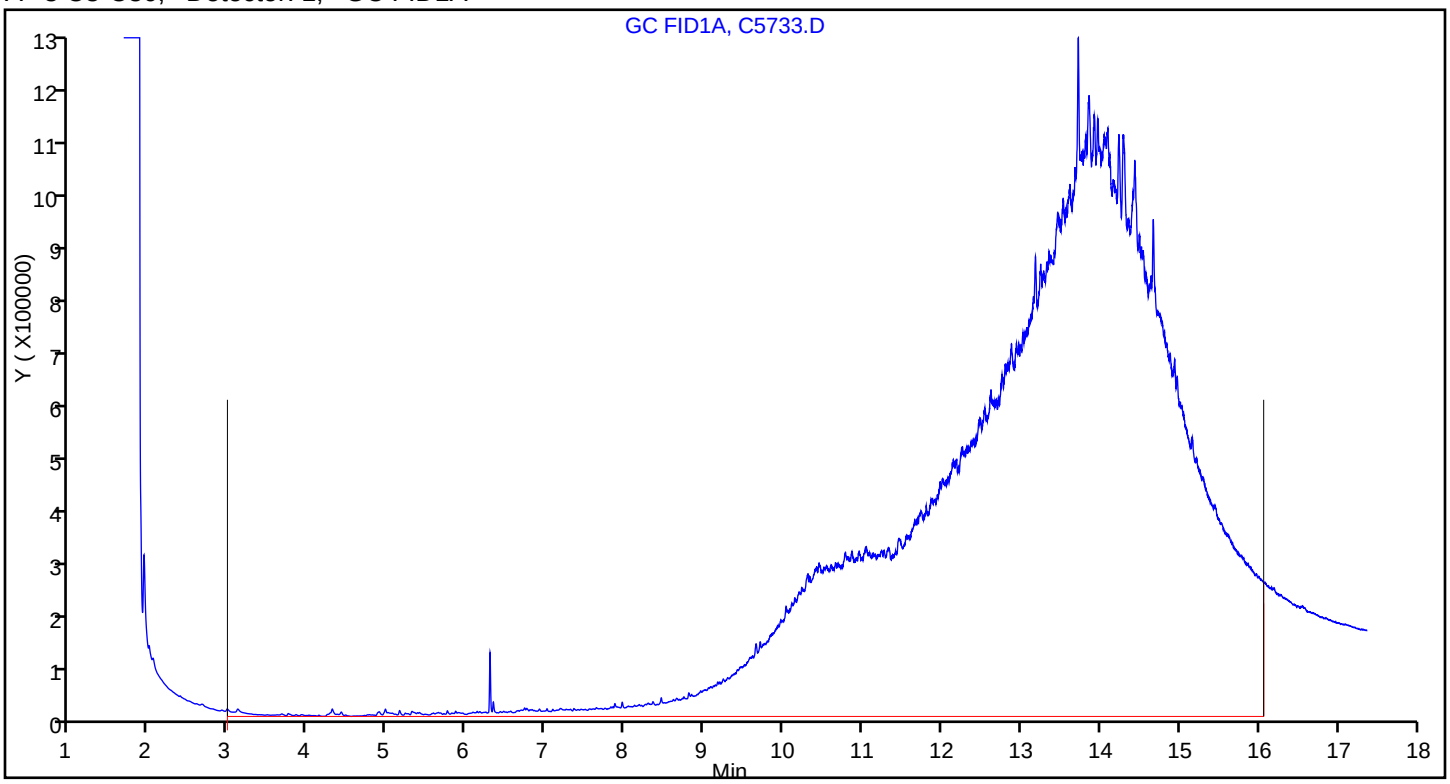


Report Date: 23-Aug-2011 08:17:48 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5733.D

Injection Date:	22-Aug-2011 20:15:16	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	NSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	19
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: ESW-1 Lab Sample ID: 510-69047-2

Matrix: Solid Lab File ID: C5724.D

Analysis Method: 8015B Date Collected: 08/18/2011 13:05

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.51(g) Date Analyzed: 08/22/2011 15:23

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 3.6 GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	85		20	3.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	33		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5724.D		
Lims ID:	510-69047-I-2-A	Client ID:	ESW-1
Inject. Date:	22-Aug-2011 15:23:18	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-i-2-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	85451	Lims Sample ID:	10
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 16:09:19

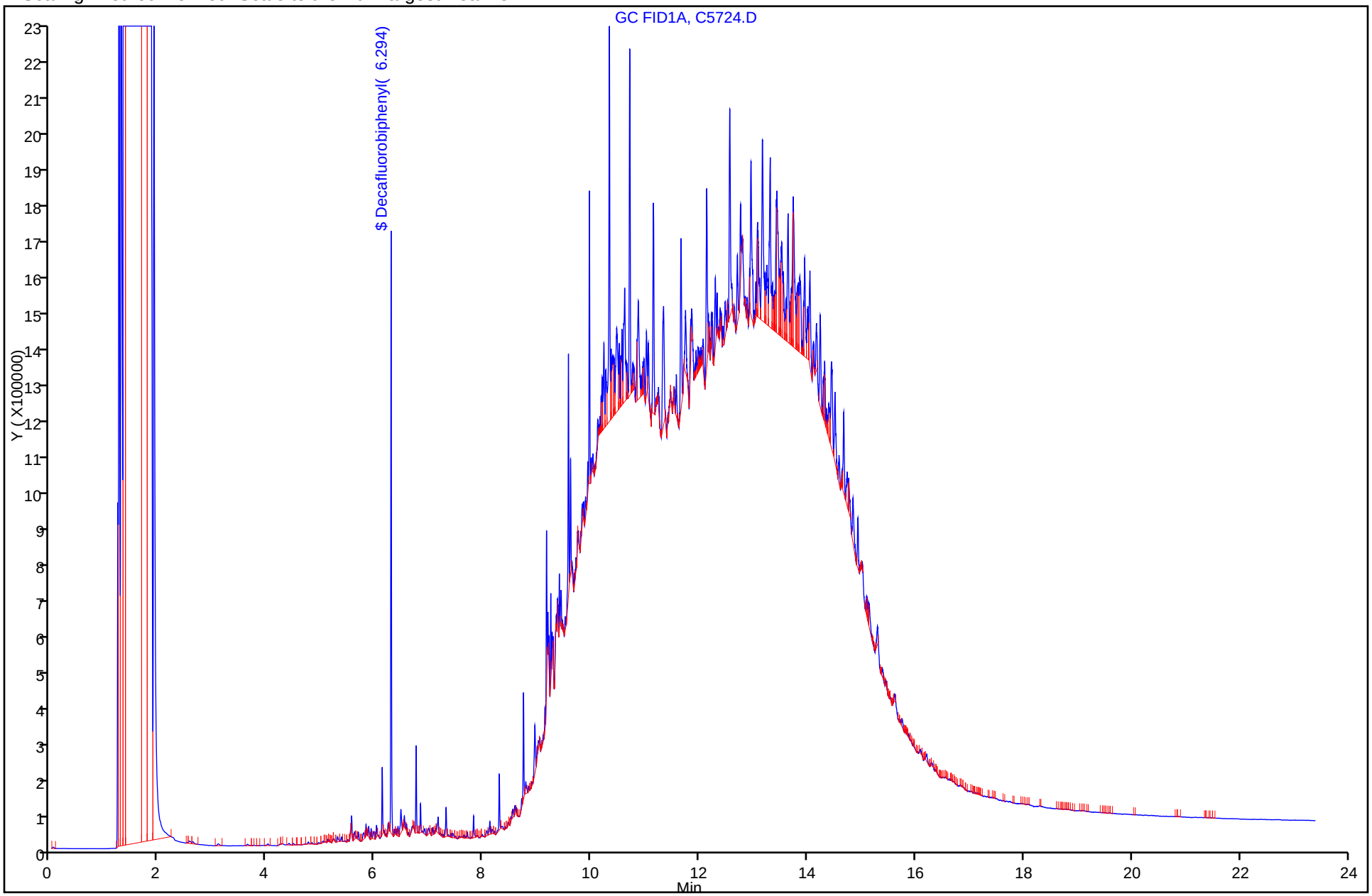
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.294	6.297	-0.003	1444228	13.1	
A 3 C8-C36	9.520	2.977 - 16.064		466001882	2506.8	

Report Date: 22-Aug-2011 16:09:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5724.D

Injection Date:	22-Aug-2011 15:23:18	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	ESW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	10
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

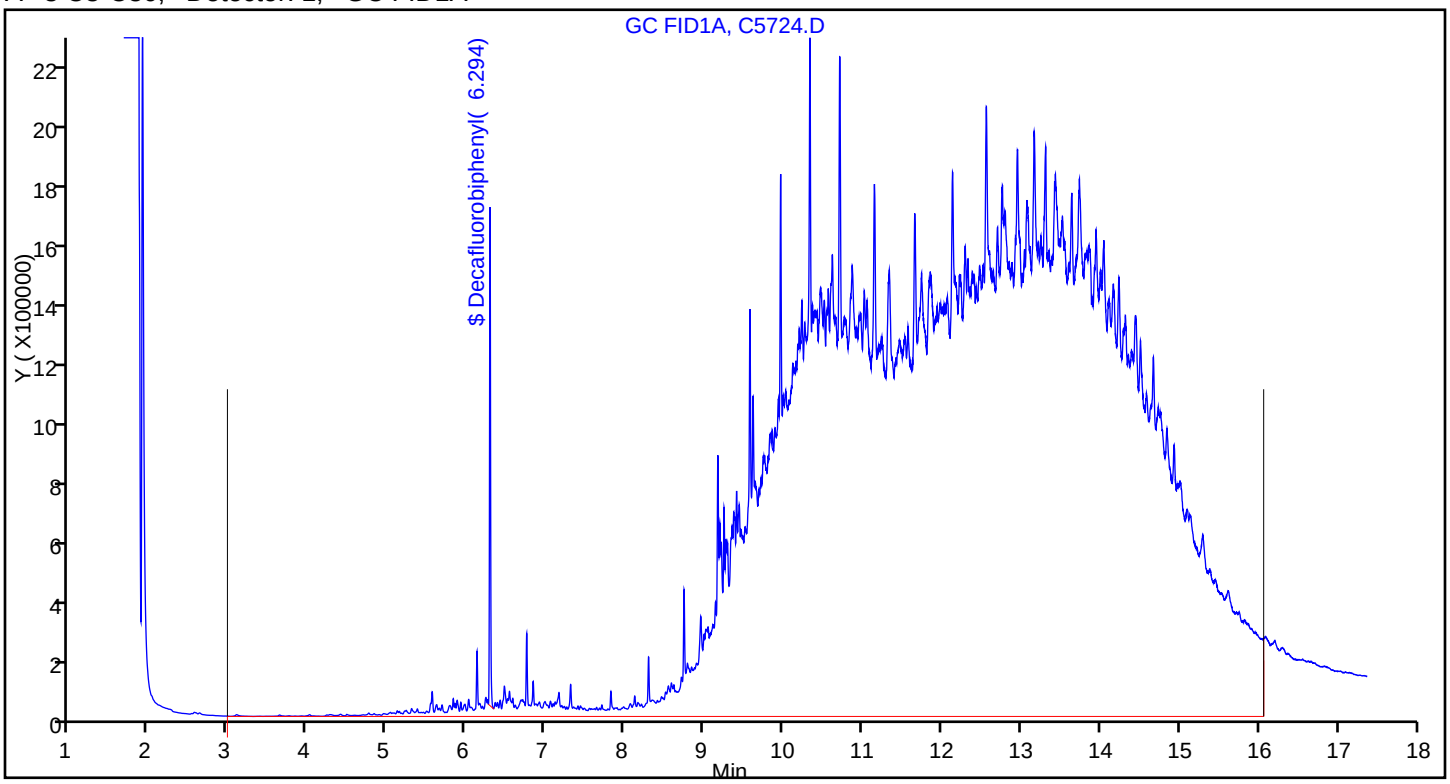


Report Date: 22-Aug-2011 16:09:19 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5724.D

Injection Date:	22-Aug-2011 15:23:18	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	ESW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	10
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: WSW-1 Lab Sample ID: 510-69047-3

Matrix: Solid Lab File ID: C5721.D

Analysis Method: 8015B Date Collected: 08/18/2011 13:10

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.50(g) Date Analyzed: 08/22/2011 13:46

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 5.2 GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<21		21	3.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	21		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5721.D		
Lims ID:	510-69047-I-3-A	Client ID:	WSW-1
Inject. Date:	22-Aug-2011 13:46:35	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-i-3-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	85451	Lims Sample ID:	7
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 14:11:22

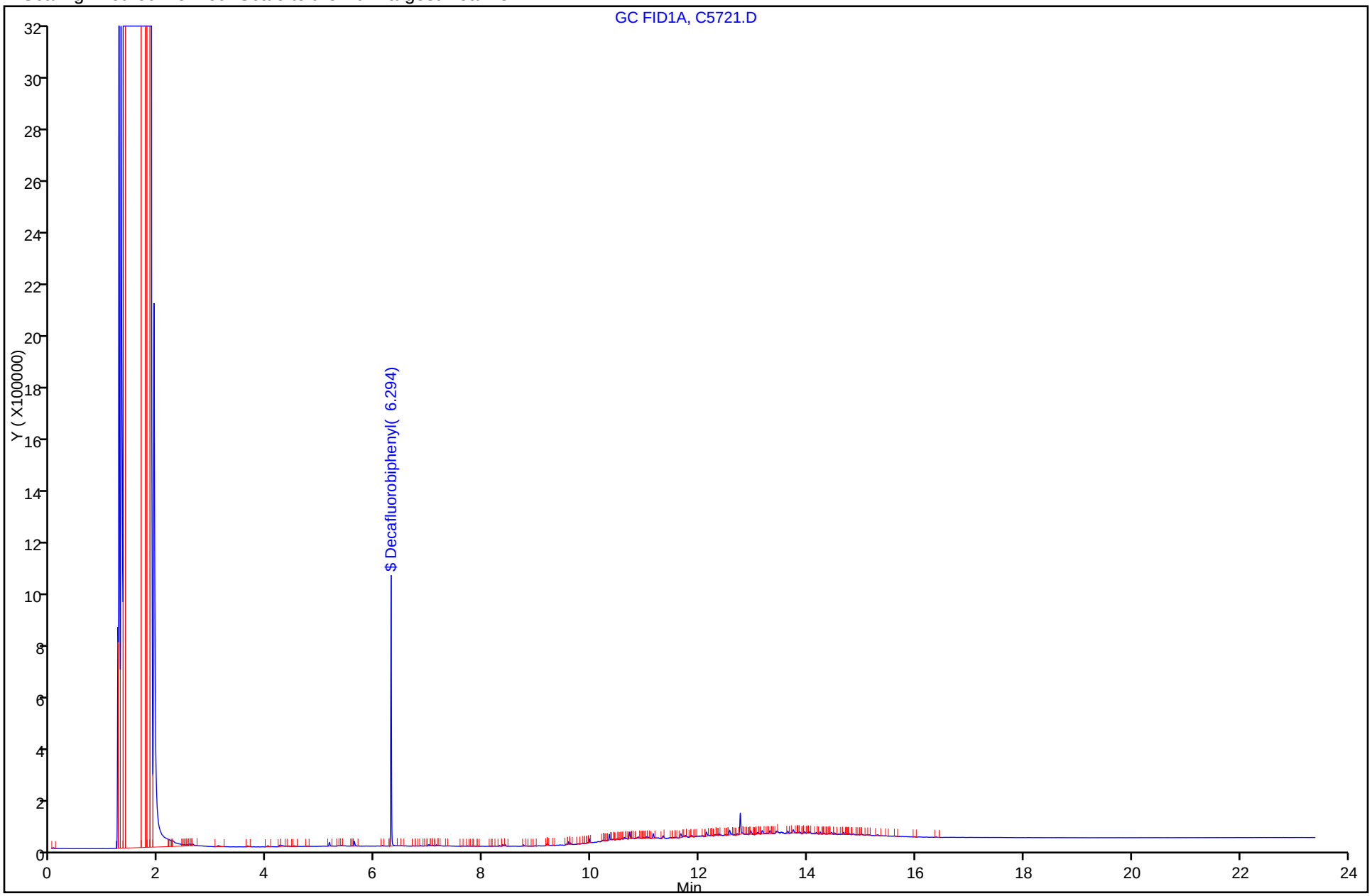
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.294	6.297	-0.003	932014	8.46	
A	3 C8-C36	9.520	2.977 - 16.064		17228647	92.7	

Report Date: 22-Aug-2011 14:11:22 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5721.D

Injection Date:	22-Aug-2011 13:46:35	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	WSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	7
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: WFS-1 DL2 | Lab Sample ID: 510-69047-4 DL2

Matrix: Solid | Lab File ID: C5734.D

Analysis Method: 8015B | Date Collected: 08/18/2011 13:15

Extraction Method: 3541 | Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.64(g) | Date Analyzed: 08/22/2011 20:47

Con. Extract Vol.: 1(mL) | Dilution Factor: 20

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 4.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	1000		410	60

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	0	D	10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5734.D		
Lims ID:	510-69047-I-4-A	Client ID:	WFS-1
Inject. Date:	22-Aug-2011 20:47:58	Dil. Factor:	20.0000
Sample Type:	Client		
Sample ID:	510-69047-i-4-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	85451	Lims Sample ID:	20
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 23-Aug-2011 08:17:54

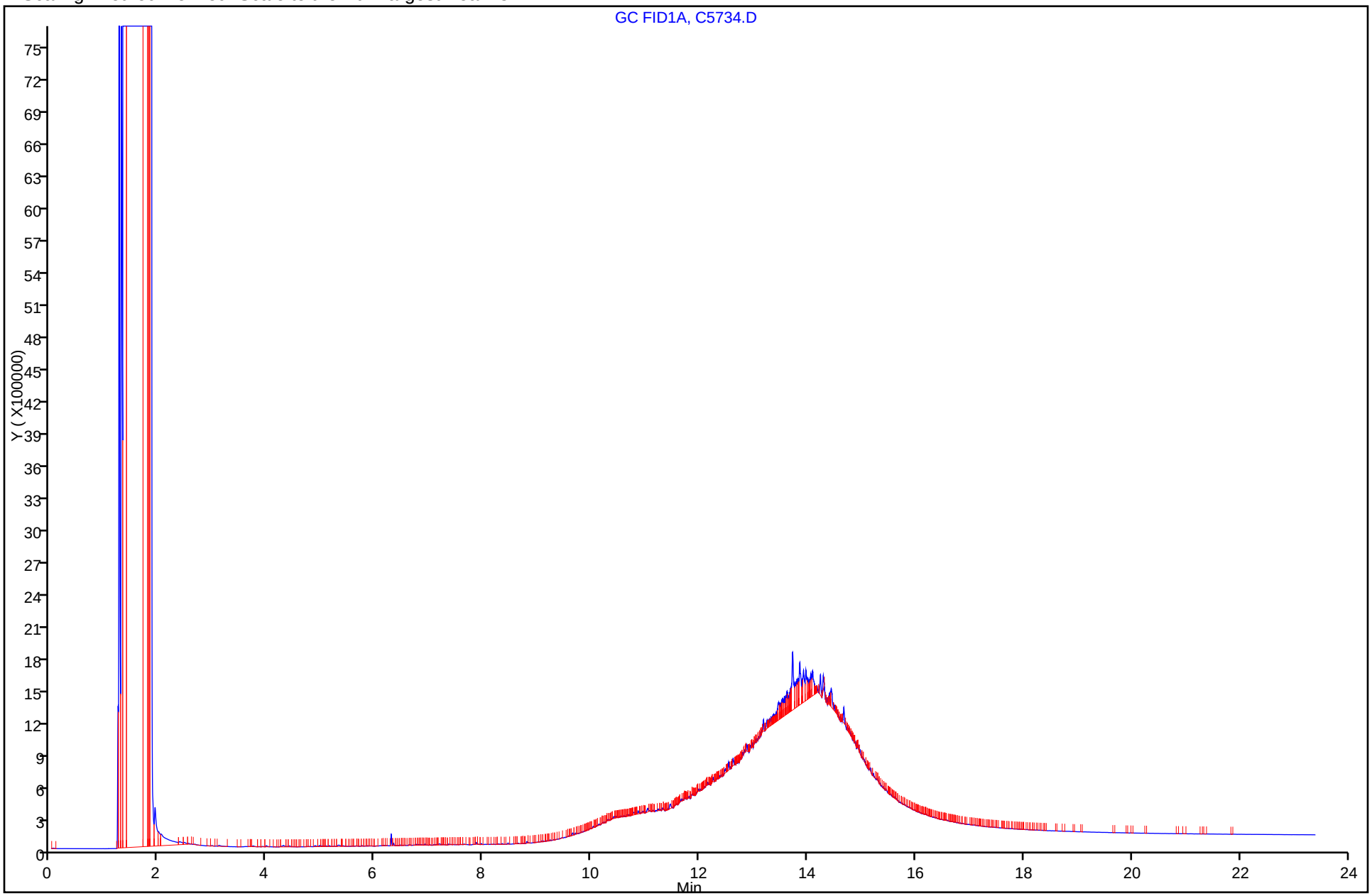
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl		6.297				
A	3 C8-C36	9.520	2.977 - 16.064		279928857	1505.8	

Report Date: 23-Aug-2011 08:17:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5734.D

Injection Date:	22-Aug-2011 20:47:58	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	WFS-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	20
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

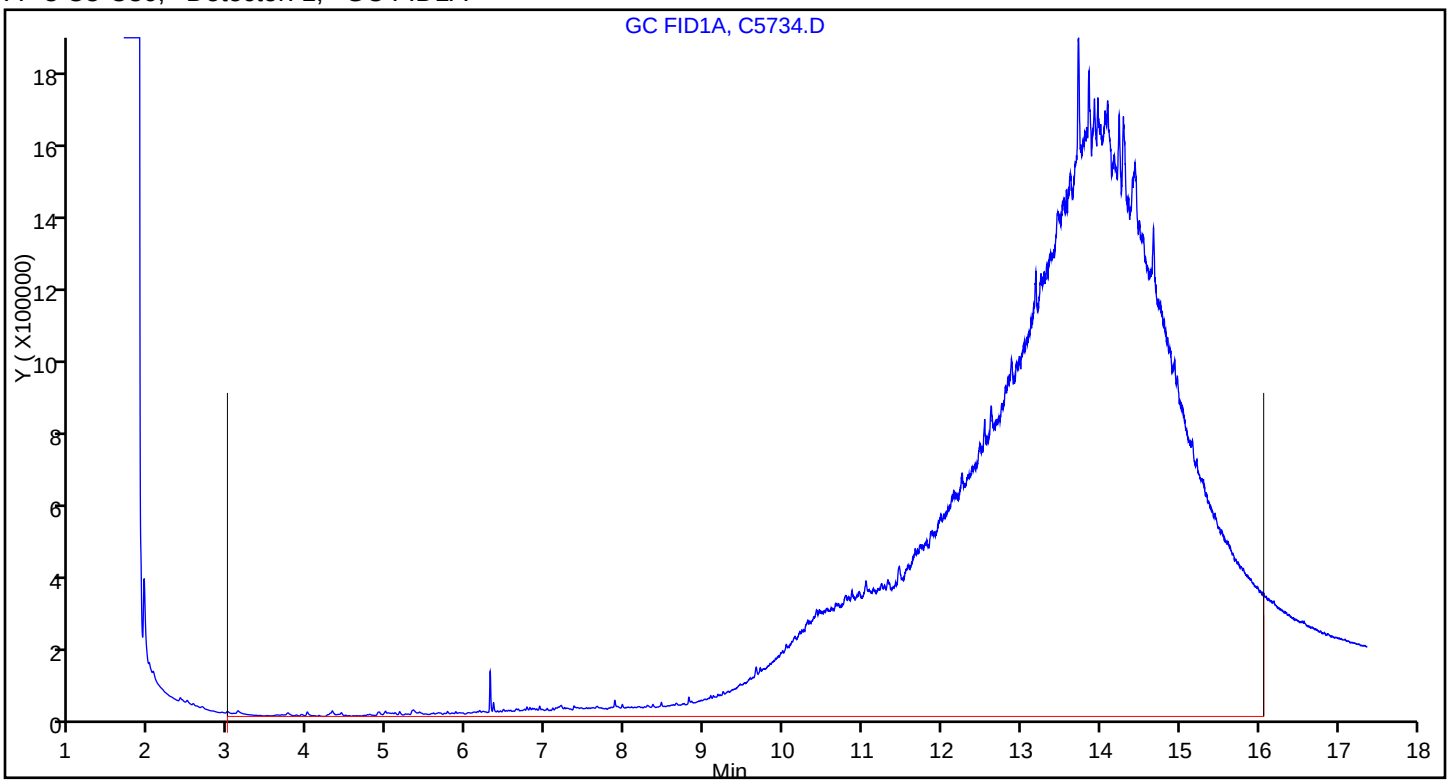


Report Date: 23-Aug-2011 08:17:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5734.D

Injection Date:	22-Aug-2011 20:47:58	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	WFS-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	20
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: EFS-1 DL Lab Sample ID: 510-69047-5 DL

Matrix: Solid Lab File ID: C5735.D

Analysis Method: 8015B Date Collected: 08/18/2011 13:20

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.22(g) Date Analyzed: 08/22/2011 21:20

Con. Extract Vol.: 1(mL) Dilution Factor: 5

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 1.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	180		100	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	0	D	10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5735.D		
Lims ID:	510-69047-I-5-A	Client ID:	EFS-1
Inject. Date:	22-Aug-2011 21:20:24	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	510-69047-i-5-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	85451	Lims Sample ID:	21
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 23-Aug-2011 08:18:01

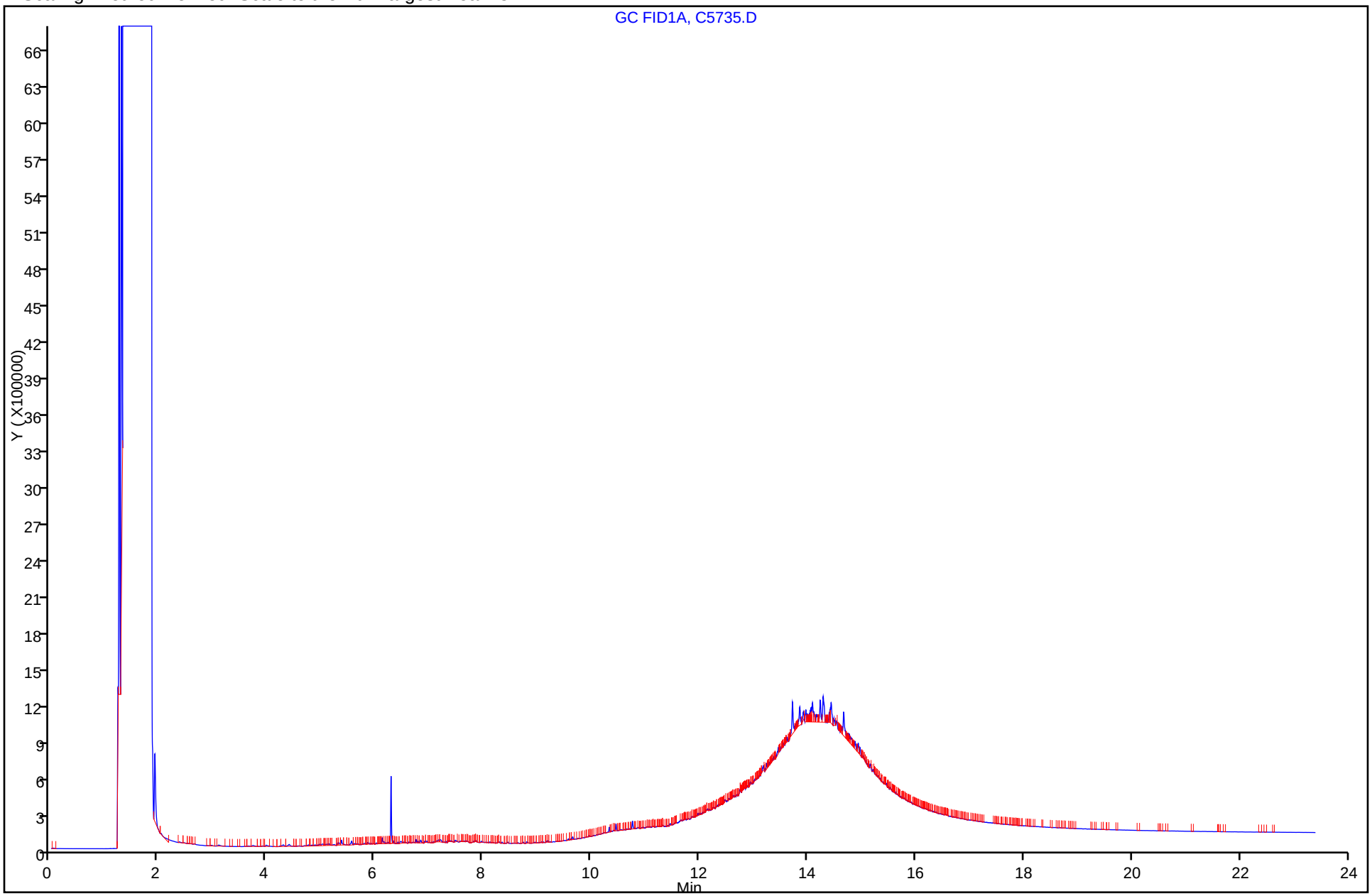
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl		6.297				
A	3 C8-C36	9.520	2.977 - 16.064		194401081	1045.7	

Report Date: 23-Aug-2011 08:18:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5735.D

Injection Date:	22-Aug-2011 21:20:24	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	EFS-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	21
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

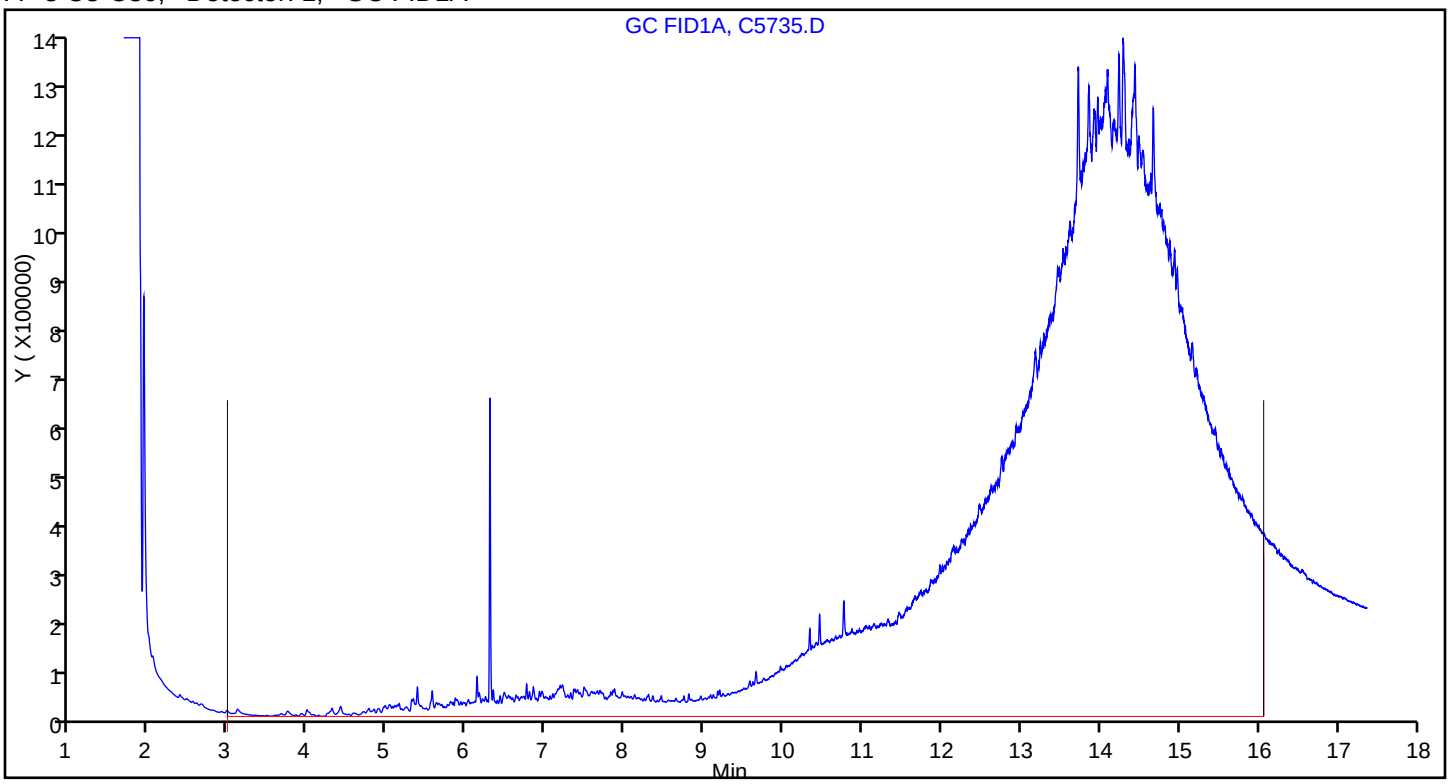


Report Date: 23-Aug-2011 08:18:02 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5735.D

Injection Date:	22-Aug-2011 21:20:24	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	EFS-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	21
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: FIELD DUPLICATE DL | Lab Sample ID: 510-69047-6 DL

Matrix: Solid | Lab File ID: C5736.D

Analysis Method: 8015B | Date Collected: 08/18/2011 13:25

Extraction Method: 3541 | Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.31(g) | Date Analyzed: 08/22/2011 21:52

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 3.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	170		100	15

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	0	D	10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5736.D		
Lims ID:	510-69047-I-6-A	Client ID:	FIELD DUPLICATE
Inject. Date:	22-Aug-2011 21:52:42	Dil. Factor:	5.0000
Sample Type:	Client		
Sample ID:	510-69047-i-6-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	85451	Lims Sample ID:	22
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	23-Aug-2011 08:18:10

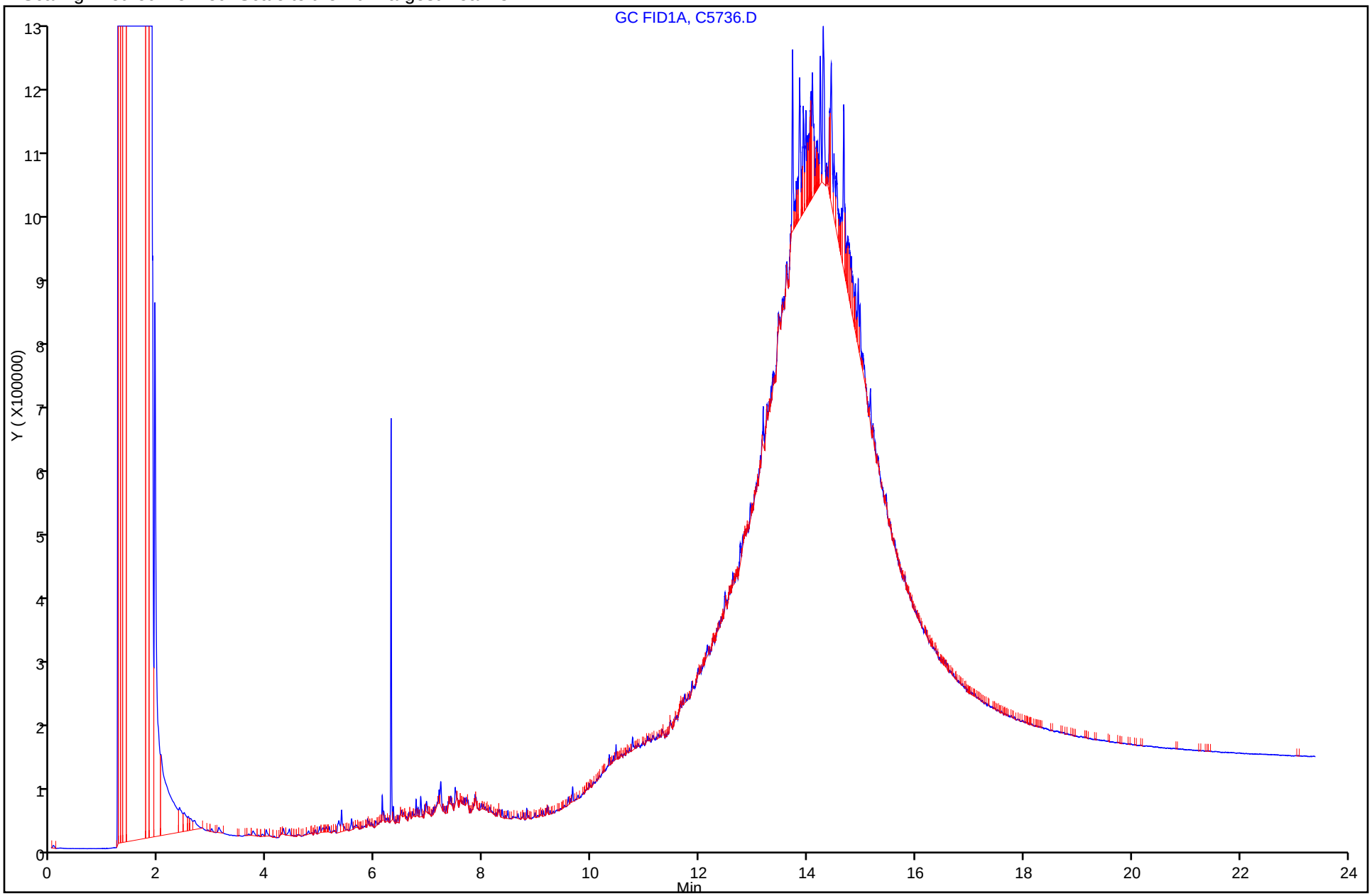
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl		6.297				
A	3 C8-C36	9.520	2.977 - 16.064		183272988	985.9	

Report Date: 23-Aug-2011 08:18:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5736.D

Injection Date:	22-Aug-2011 21:52:42	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	22
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

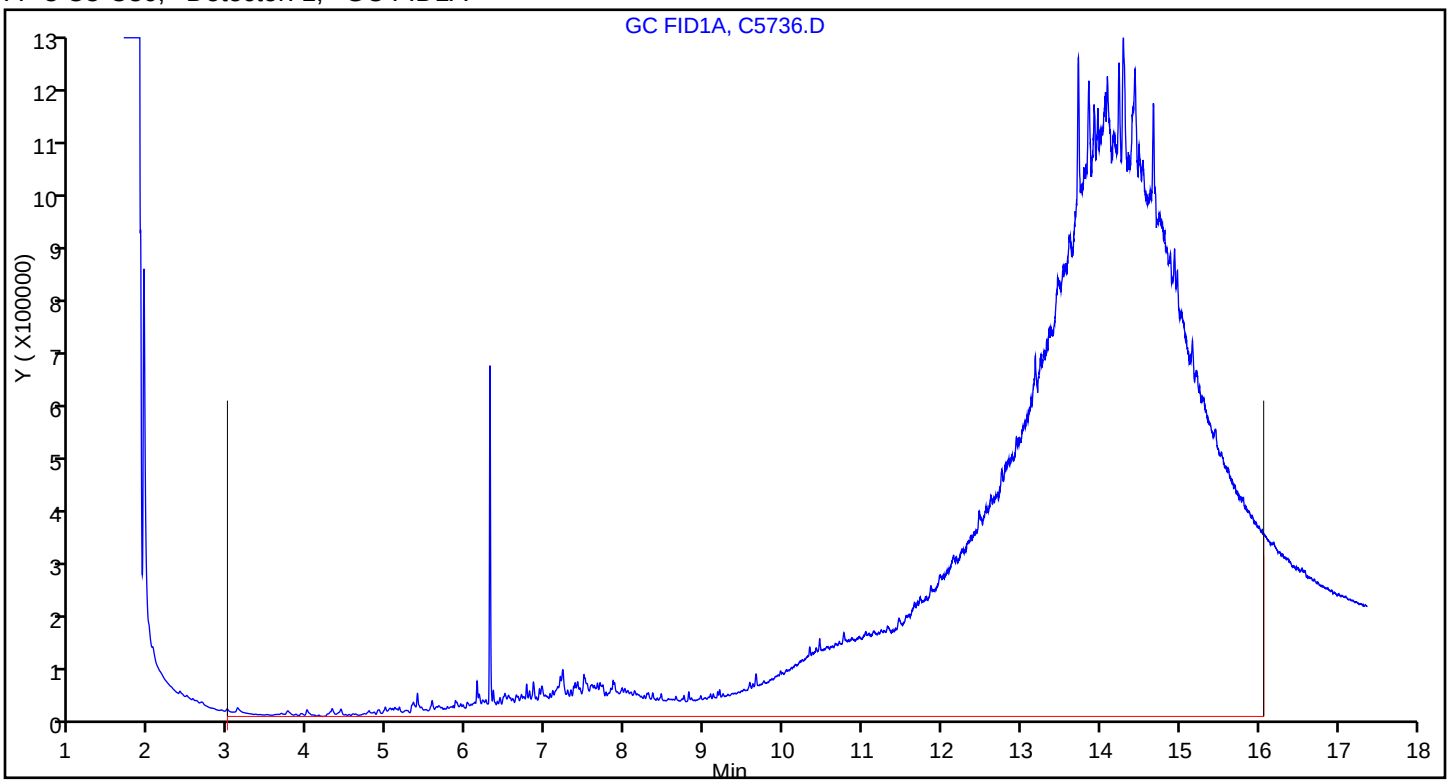


Report Date: 23-Aug-2011 08:18:11 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5736.D

Injection Date:	22-Aug-2011 21:52:42	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	FIELD DUPLICATE	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	22
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 | Lab Sample ID: 510-69047-7

Matrix: Solid | Lab File ID: C5728.D

Analysis Method: 8015B | Date Collected: 08/18/2011 13:35

Extraction Method: 3541 | Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.12(g) | Date Analyzed: 08/22/2011 17:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 10.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	43		22	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	28		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5728.D		
Lims ID:	510-69047-I-7-A	Client ID:	SSW-1
Inject. Date:	22-Aug-2011 17:32:19	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-69047-i-7-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	85451	Lims Sample ID:	14
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 18:19:55

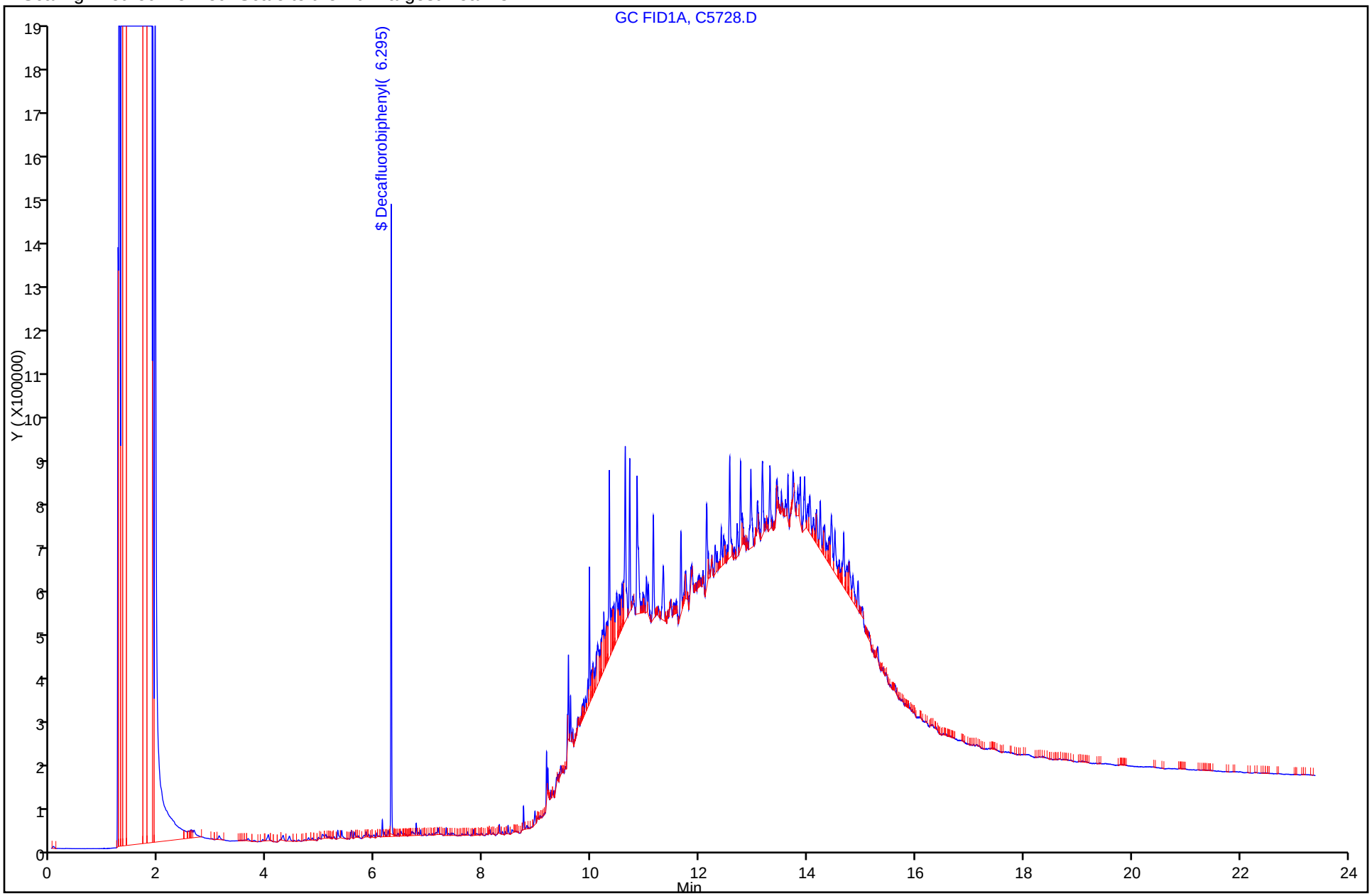
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.295	6.297	-0.002	1217540	11.1	
A	3 C8-C36	9.520	2.977 - 16.064		217210598	1168.4	

Report Date: 22-Aug-2011 18:19:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5728.D

Injection Date:	22-Aug-2011 17:32:19	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	14
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

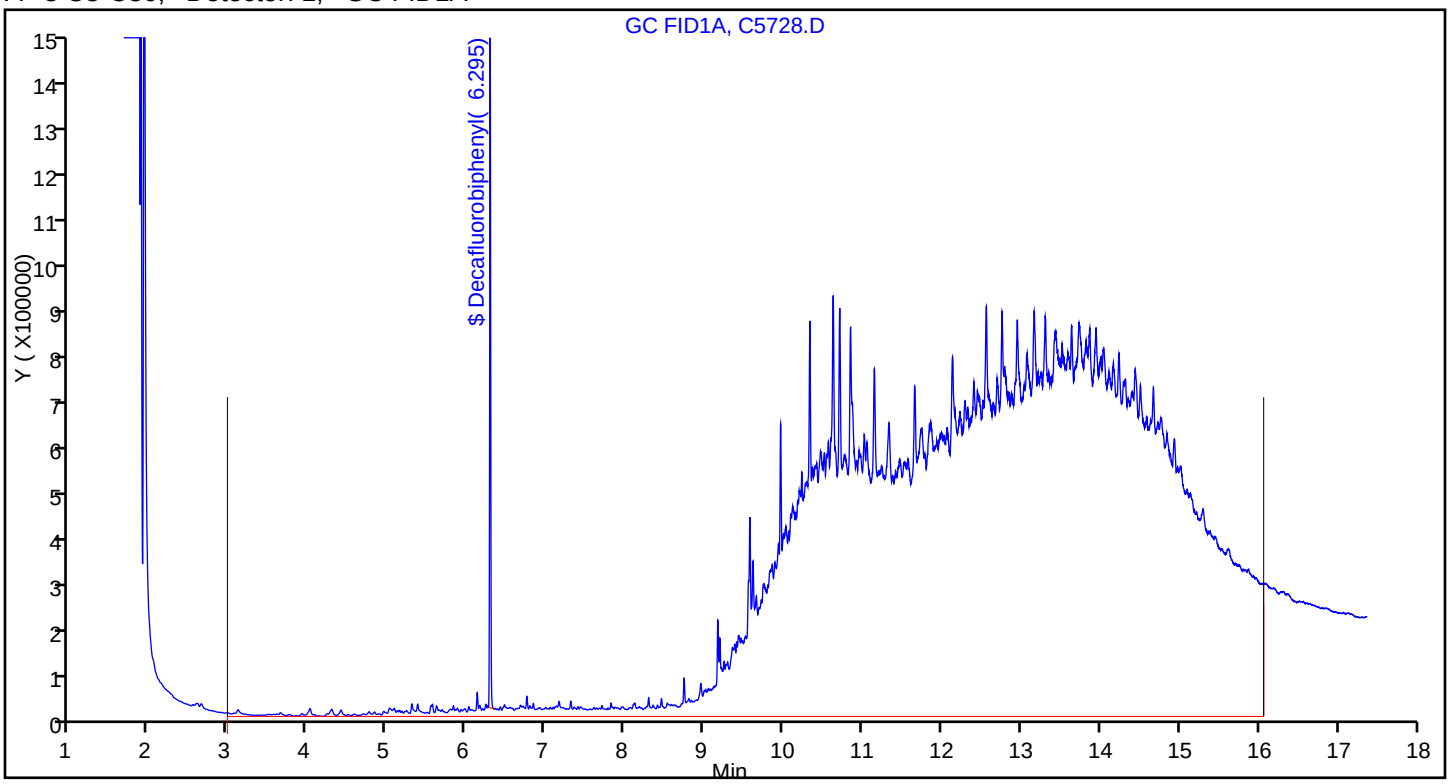


Report Date: 22-Aug-2011 18:19:55 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5728.D

Injection Date:	22-Aug-2011 17:32:19	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	14
Operator ID:	CI	Injection Vol:	1.00 ul

A 3 C8-C36, Detector: 1, GC FID1A



FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 83682

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
C8-C28	8.353	8.353	8.353	8.353	8.353	8.353	8.353	8.353			2.990 - 13.716	8.353
Diesel Range Organics [C10-C28]	9.529	9.529	9.529	9.529	9.529	9.529	9.529	9.529			5.342 - 13.716	9.529
C8-C36	9.531	9.531	9.531	9.531	9.531	9.531	9.531	9.531			2.990 - 16.071	9.531
Decafluorobiphenyl	6.297	6.299	6.304	6.306	6.307	6.311	6.314				6.247 - 6.347	6.305

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 83682

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.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 LVL 8		B	M1	M2								
C8-C28	171047 168078	169180 178412	171826 179208	173955 176195	Ave		173487.591				2.4		20.0			
Diesel Range Organics [C10-C28]	157492 159945	159253 169590	160885 169655	164605 167807	Ave		163654.238				3.0		20.0			
C8-C36	225048 170041	195184 179647	181749 180219	178456 176844	Ave		185898.544				9.3		20.0			
Decafluorobiphenyl	106134 111068	105465 113710	106345 119029	108967	Ave		110102.625				4.5		20.0			

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

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1 Analy Batch No.: 83682

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/18/2011 10:27 Calibration End Date: 07/18/2011 14:23 Calibration ID: 4112

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-83682/3	G5208.D
Level 2	STD 510-83682/4	G5209.D
Level 3	STD 510-83682/5	G5210.D
Level 4	STD 510-83682/6	G5211.D
Level 5	STD 510-83682/7	G5212.D
Level 6	STD 510-83682/8	G5213.D
Level 7	STD 510-83682/9	G5214.D
Level 8	STD 510-83682/10	G5215.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
		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
C8-C28	Ave	8552241 267615919	16917834 358413119	42956019 528580350	86976443	168076108	50.0 1500	100.0 2000	250 3000	500	1000
Diesel Range Organics [C10-C28]	Ave	7874531 254382949	15925177 339306750	40220800 503417258	82301891	159943683	50.0 1500	100.0 2000	250 3000	500	1000
C8-C36	Ave	11252294 269467885	19518233 360435096	45436748 530526132	89226907	170039619	50.0 1500	100.0 2000	250 3000	500	1000
Decafluorobiphenyl	Ave	5306711 45484051	10546496 59514568	21269046	27241694	33320378	50.0 400	100 500	200	250	300

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D		
Lims ID:	STD 50	Client ID:	
Inject. Date:	18-Jul-2011 10:27:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	std 50		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	83682	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 11:12:47	Calib Date:	18-Jul-2011 10:27:19
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 11:12:47

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	5306711	50.0	
A 10 C8-C28	8.353	2.990 - 13.716		8552241	50.0	
A 4 C10-C28	9.529	5.342 - 13.716		7874531	50.0	
A 3 C8-C36	9.531	2.990 - 16.071		11252294	50.0	

Report Date: 18-Jul-2011 11:12:47 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5208.D

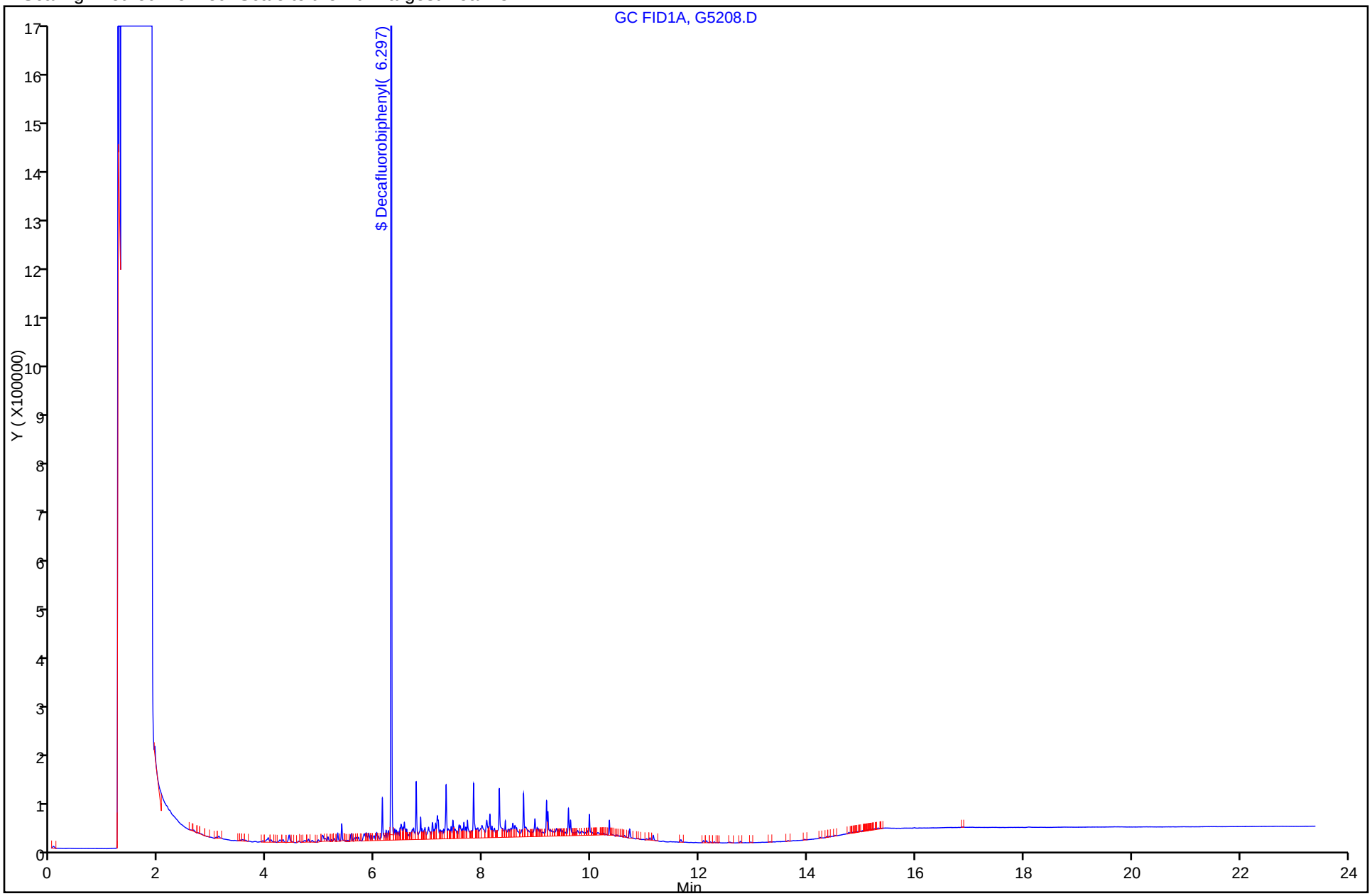
Injection Date: 18-Jul-2011 10:27:19 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 3

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



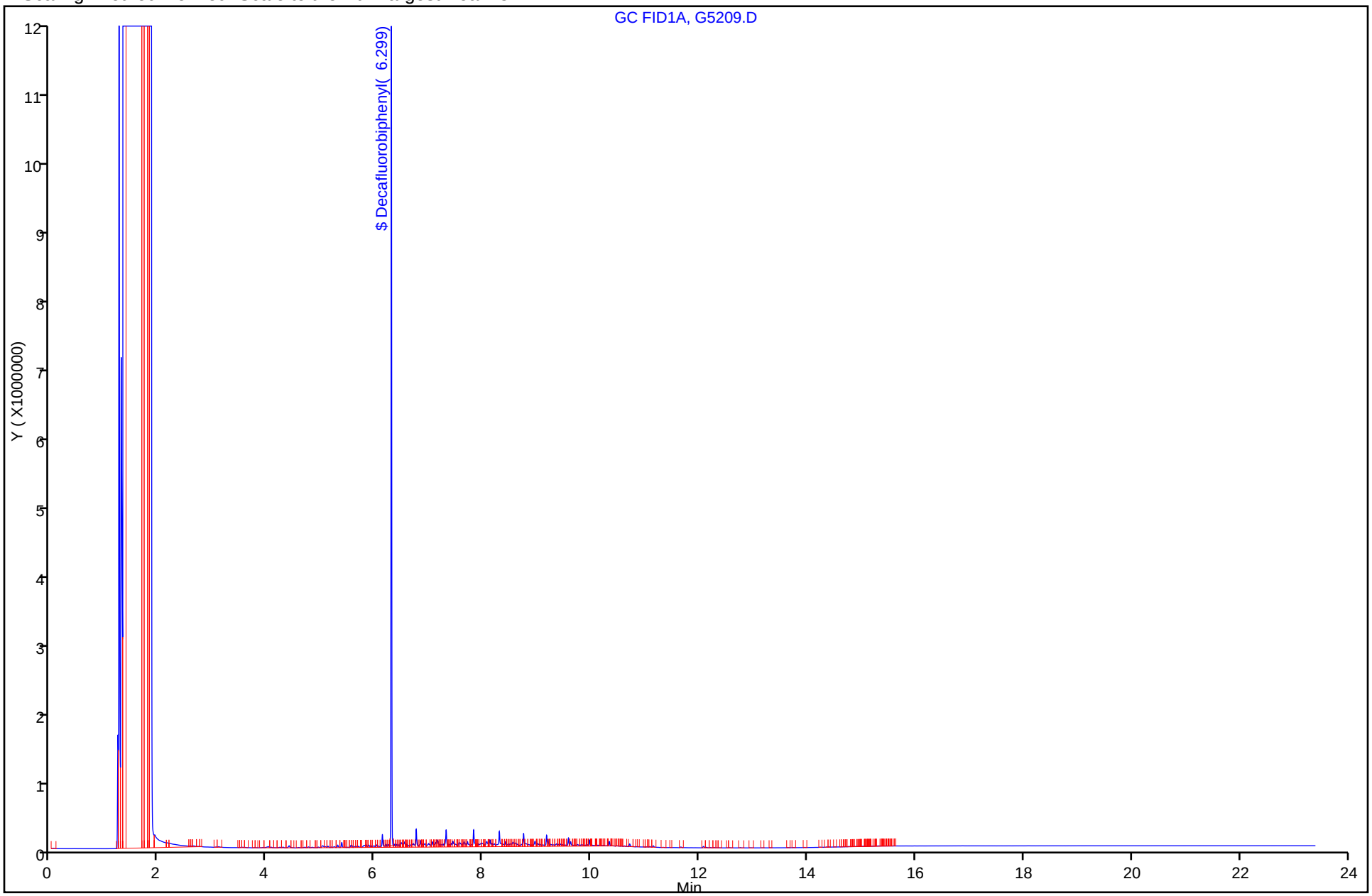
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5209.D		
Lims ID:	STD 100	Client ID:	
Inject. Date:	18-Jul-2011 11:00:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	std 100		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	83682	Lims Sample ID:	4
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:16:50	Calib Date:	18-Jul-2011 11:33:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 12:16:50

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.299	6.297	0.002	10546496	99.5	
A 10 C8-C28	8.353	2.990 - 13.716		16917834	99.1	
A 4 C10-C28	9.529	5.342 - 13.716		15925177	100.0	
A 3 C8-C36	9.531	2.990 - 16.071		19518233	97.3	

Report Date: 18-Jul-2011 12:16:51 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5209.D
Injection Date: 18-Jul-2011 11:00:29 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 83682 Lims Sample ID: 4
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Lims ID:	STD 250	Client ID:	
Inject. Date:	18-Jul-2011 11:33:51	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	std 250		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	83682	Lims Sample ID:	5
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:16:59	Calib Date:	18-Jul-2011 11:33:51
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 12:16:59

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.304	6.297	0.007	21269046	200.7	
A 10 C8-C28	8.353	2.990 - 13.716		42956019	251.7	
A 4 C10-C28	9.529	5.342 - 13.716		40220800	252.6	
A 3 C8-C36	9.531	2.990 - 16.071		45436748	226.4	

Report Date: 18-Jul-2011 12:16:59 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5210.D

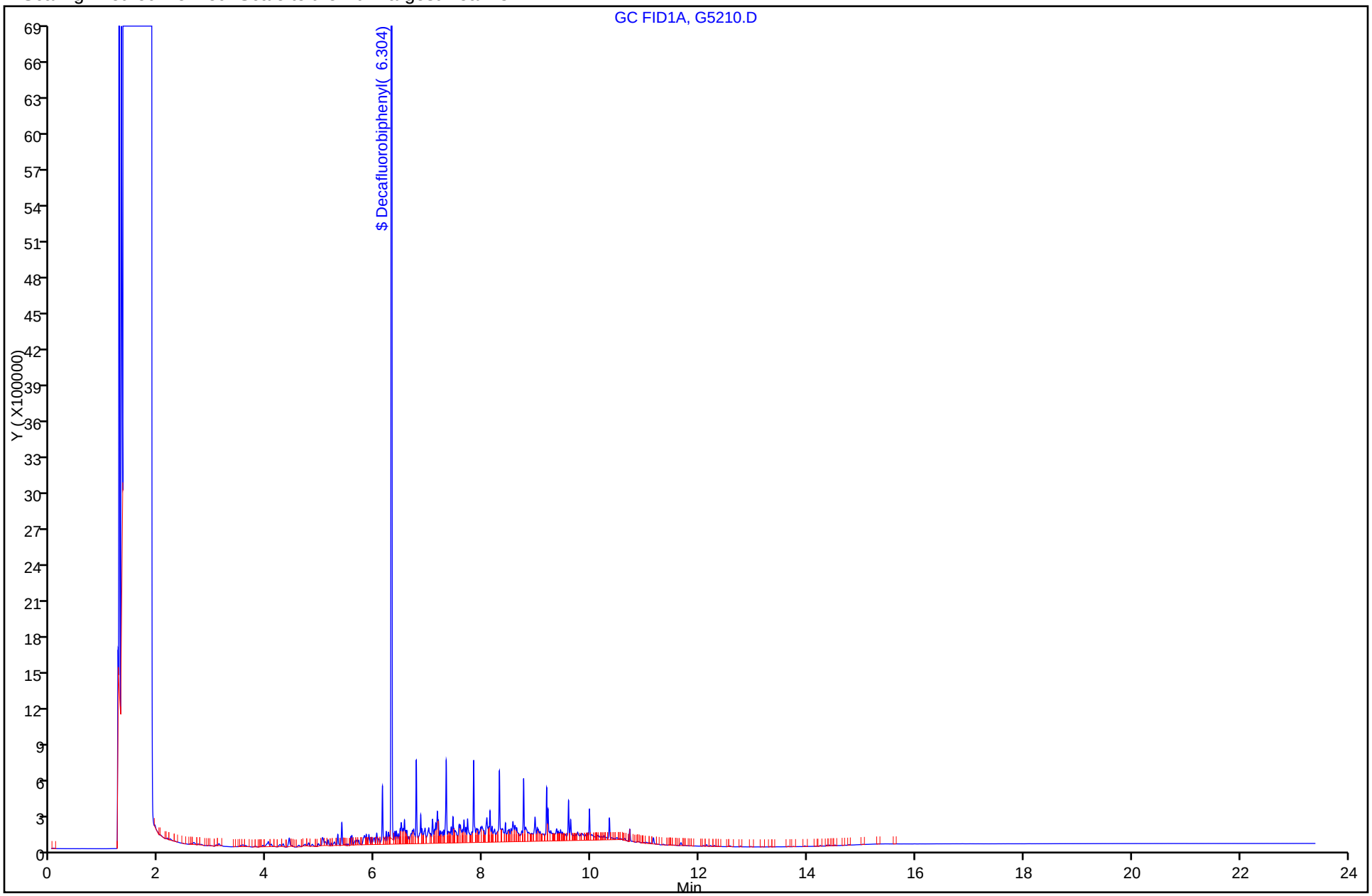
Injection Date: 18-Jul-2011 11:33:51 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 5

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D		
Lims ID:	STD 500	Client ID:	
Inject. Date:	18-Jul-2011 12:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	std 500		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	83682	Lims Sample ID:	6
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 12:59:52	Calib Date:	18-Jul-2011 12:07:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 12:59:52

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.306	6.297	0.009	27241694	255.2	
A 10 C8-C28	8.353	2.990 - 13.716		86976443	507.1	
A 4 C10-C28	9.529	5.342 - 13.716		82301891	512.6	
A 3 C8-C36	9.531	2.990 - 16.071		89226907	457.3	

Report Date: 18-Jul-2011 12:59:52 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5211.D

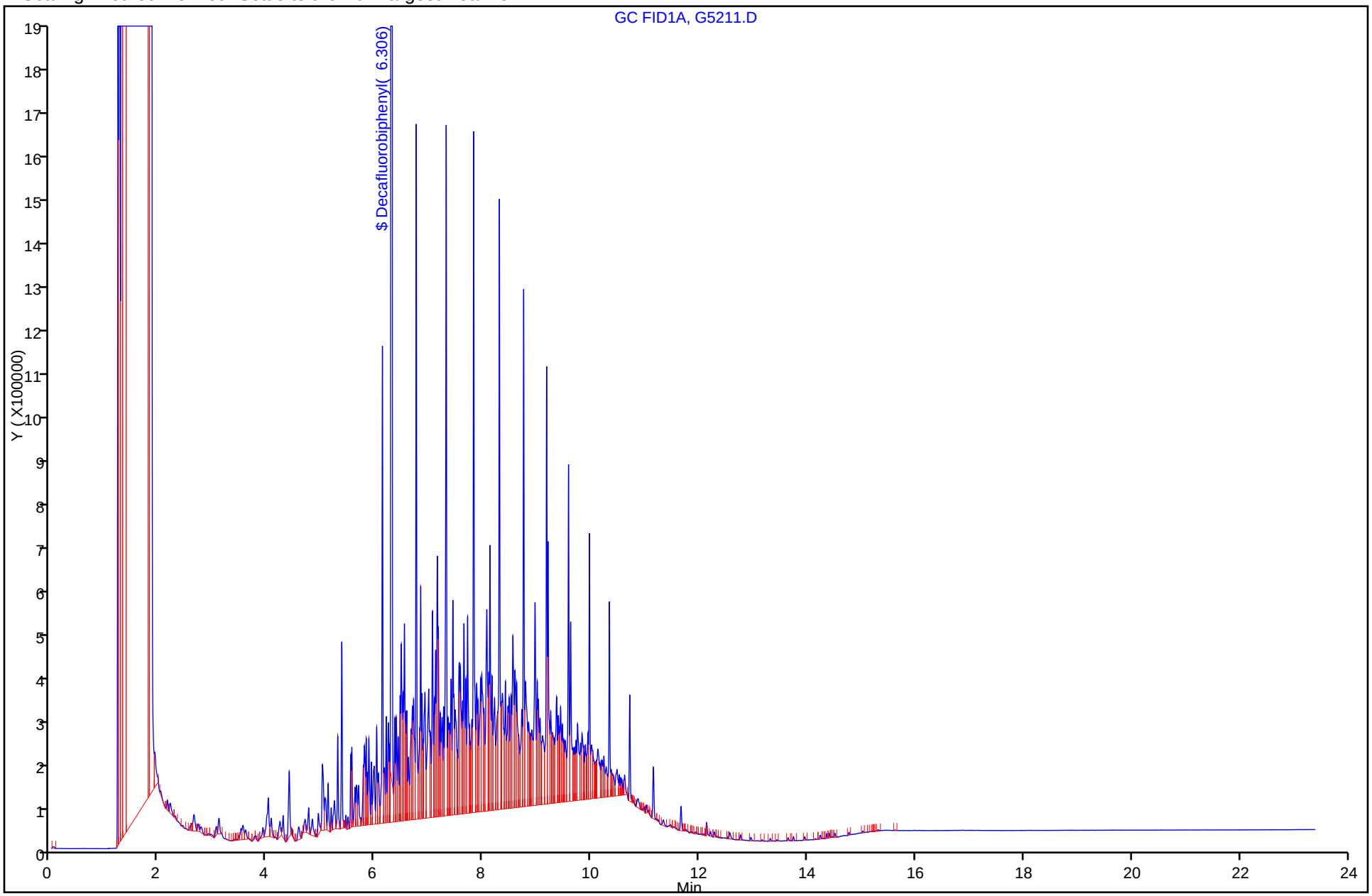
Injection Date: 18-Jul-2011 12:07:30 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 6

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5212.D		
Lims ID:	STD 1000	Client ID:	
Inject. Date:	18-Jul-2011 12:41:19	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	std 1000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	83682	Lims Sample ID:	7
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 13:53:51	Calib Date:	18-Jul-2011 13:15:10
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 13:53:51

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.307	6.297	0.010	33320378	306.8	
A 10 C8-C28	8.353	2.990 - 13.716		168076108	976.7	
A 4 C10-C28	9.529	5.342 - 13.716		159943683	987.5	
A 3 C8-C36	9.531	2.990 - 16.071		170039619	902.8	

Report Date: 18-Jul-2011 13:53:51 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5212.D

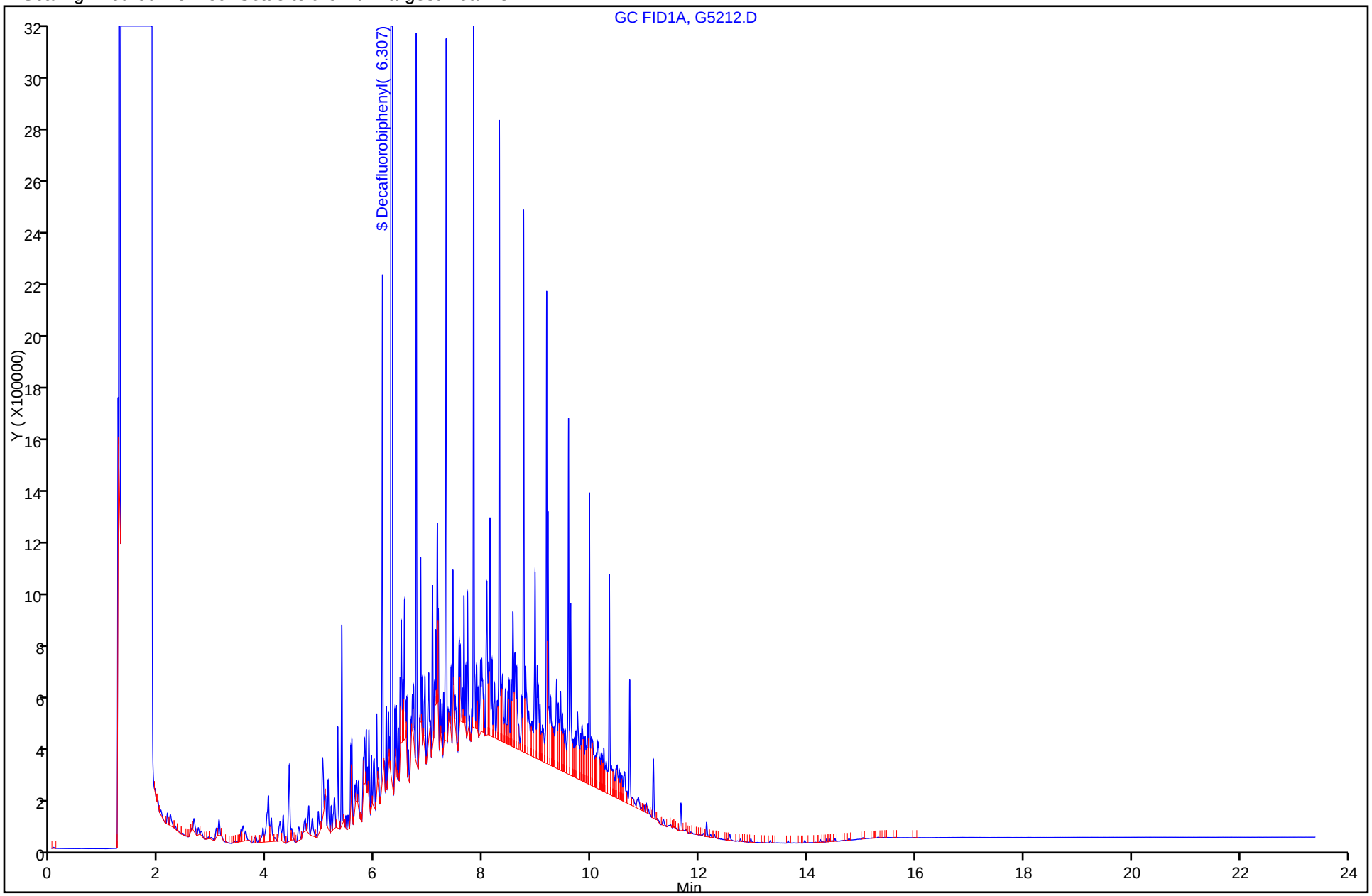
Injection Date: 18-Jul-2011 12:41:19 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 7

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Lims ID:	STD 1500	Client ID:	
Inject. Date:	18-Jul-2011 13:15:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	std 1500		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	83682	Lims Sample ID:	8
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 13:54:00	Calib Date:	18-Jul-2011 13:15:10
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 13:54:00

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.311	6.297	0.014	45484051	418.8	
A 10 C8-C28	8.353	2.990 - 13.716		267615919	1555.2	
A 4 C10-C28	9.529	5.342 - 13.716		254382949	1570.6	
A 3 C8-C36	9.531	2.990 - 16.071		269467885	1430.6	

Report Date: 18-Jul-2011 13:54:00 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5213.D

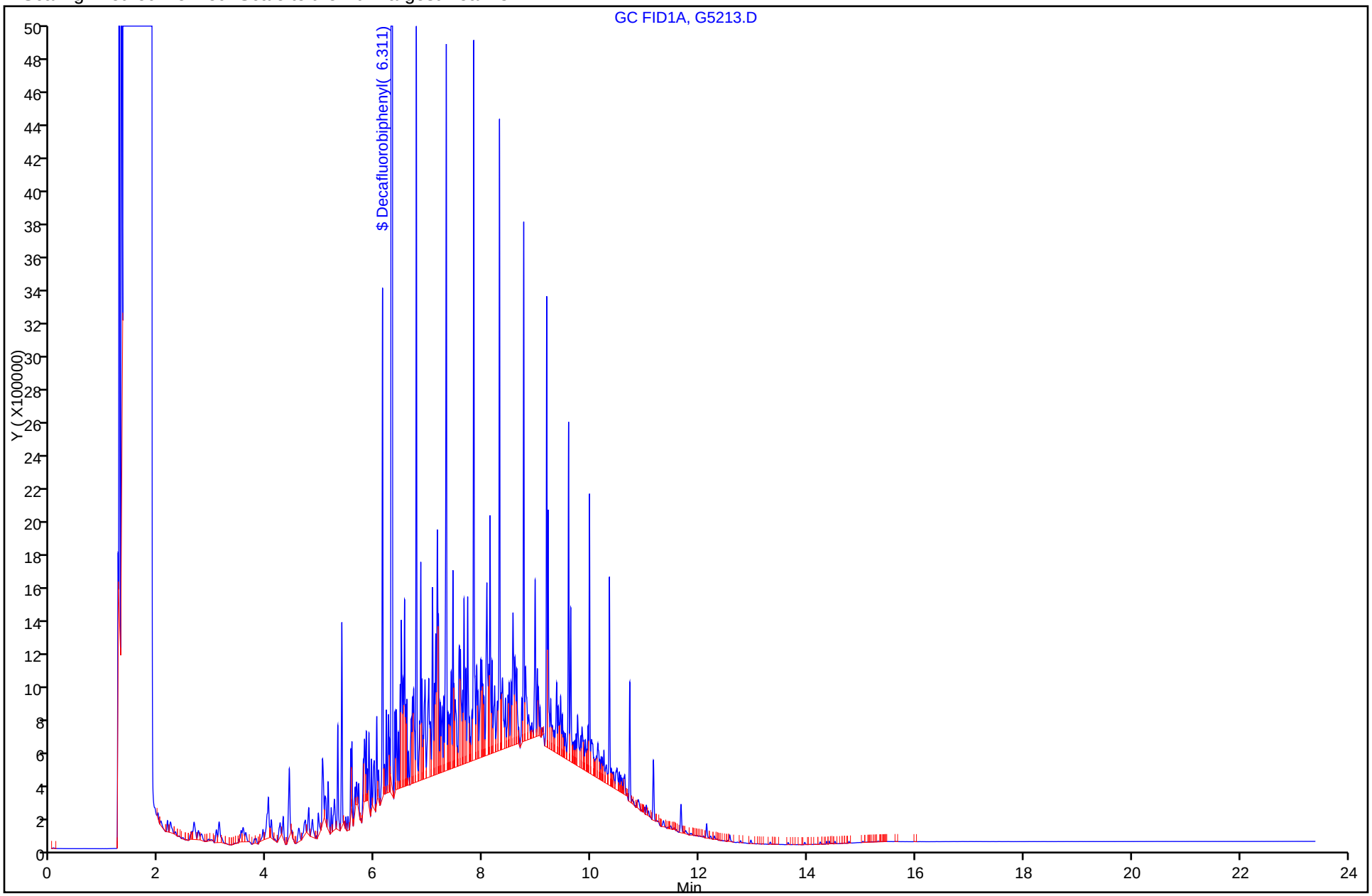
Injection Date: 18-Jul-2011 13:15:10 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 8

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D		
Lims ID:	STD 2000	Client ID:	
Inject. Date:	18-Jul-2011 13:49:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	std 2000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	83682	Lims Sample ID:	9
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 14:37:18	Calib Date:	18-Jul-2011 13:49:02
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 14:37:18

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.314	6.297	0.017	59514568	540.5	
A 10 C8-C28	8.353	2.990 - 13.716		358413119	2070.5	
A 4 C10-C28	9.529	5.342 - 13.716		339306750	2080.9	
A 3 C8-C36	9.531	2.990 - 16.071		360435096	1925.5	

Report Date: 18-Jul-2011 14:37:18 Chrom Revision: 1.2 30-Jun-2011 15:02:28

Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5214.D

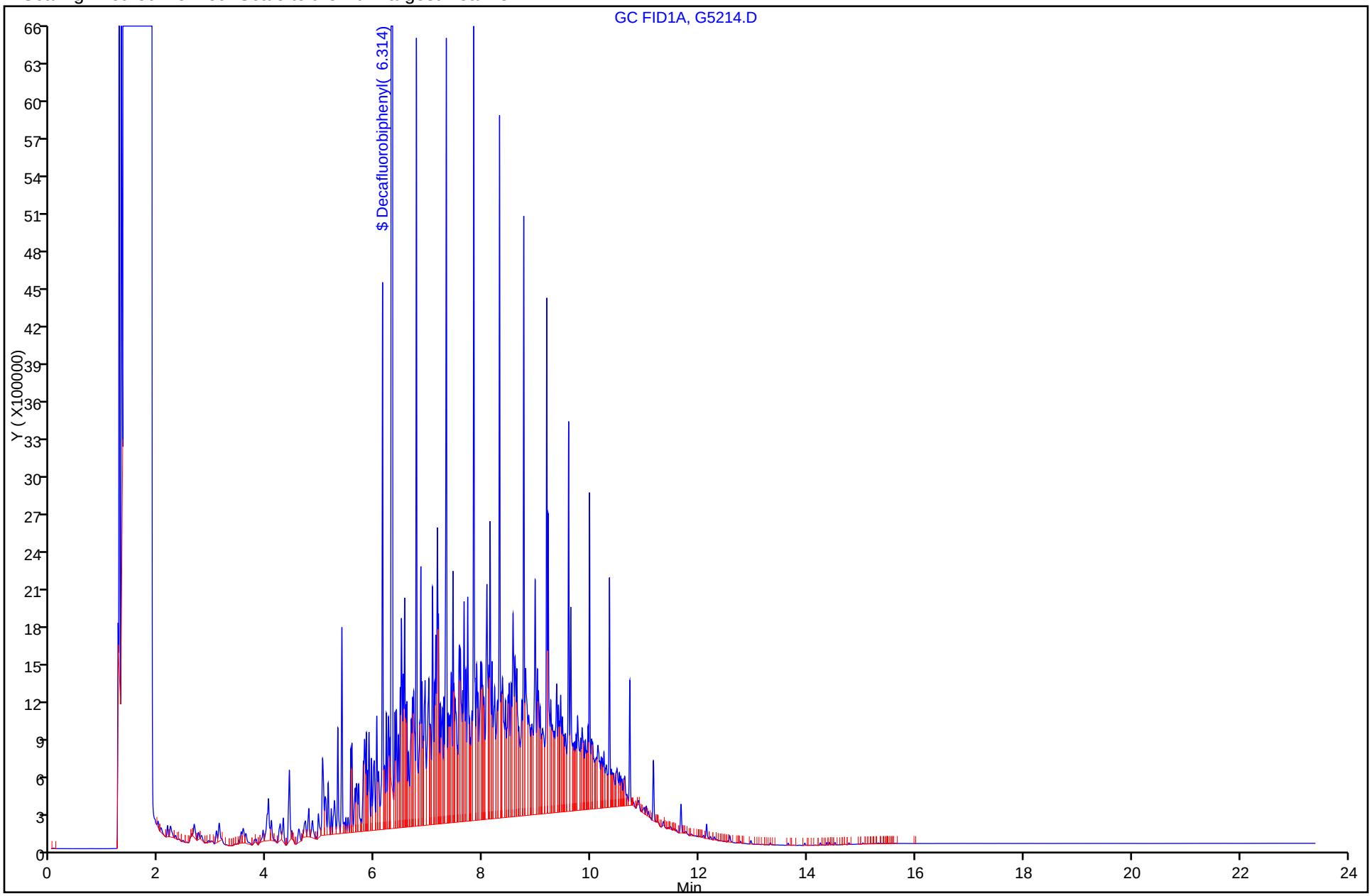
Injection Date: 18-Jul-2011 13:49:02 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 83682 Lims Sample ID: 9

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



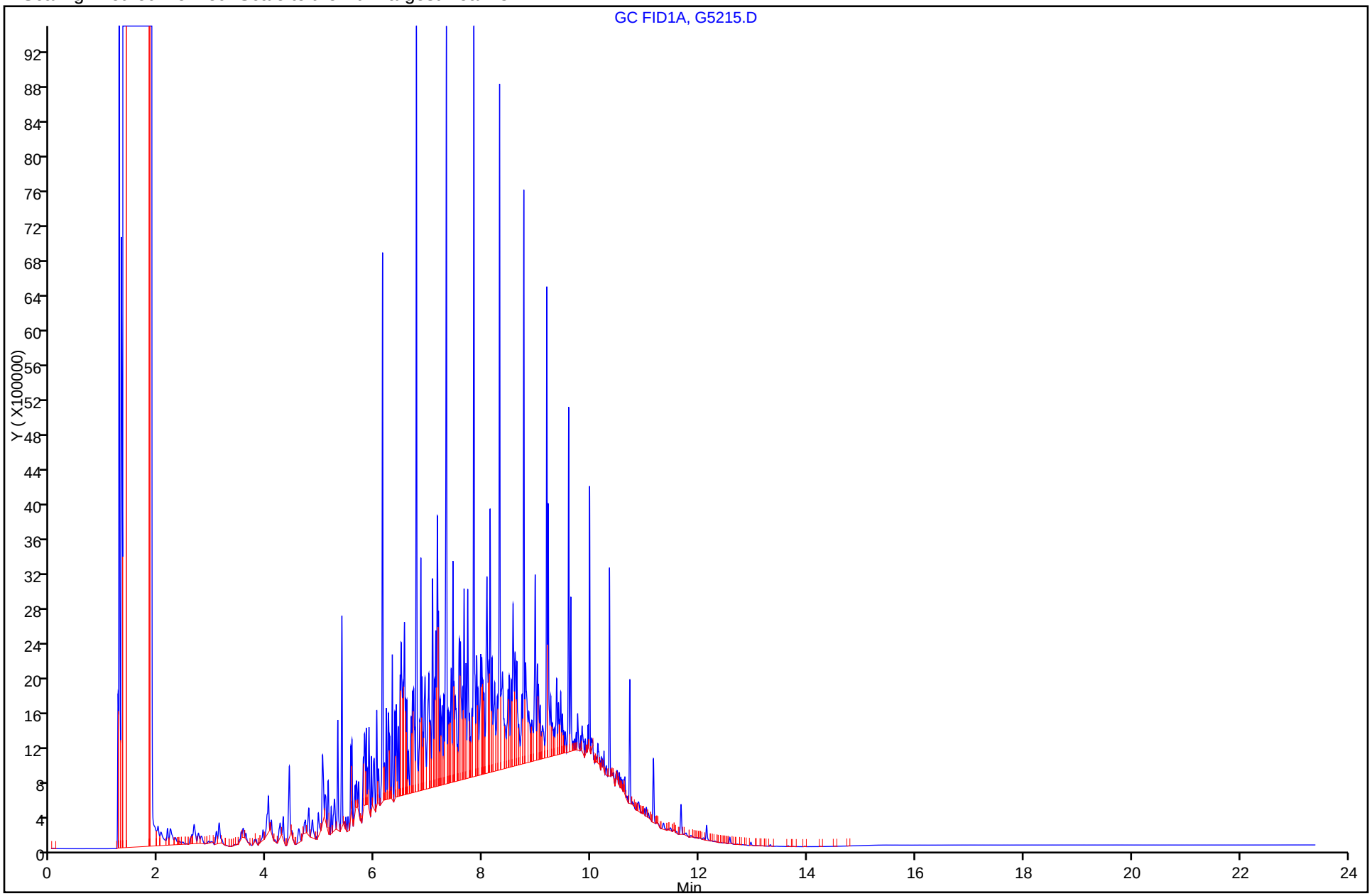
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Lims ID:	STD 3000	Client ID:	
Inject. Date:	18-Jul-2011 14:23:06	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	std 3000		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	83682	Lims Sample ID:	10
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110718-5233.b\DRO_8015.m		
Last Update:	18-Jul-2011 14:54:52	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 18-Jul-2011 14:54:52

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl		6.297				
A 10 C8-C28	8.353	2.990 - 13.716		528580350	3046.8	
A 4 C10-C28	9.529	5.342 - 13.716		503417258	3076.1	
A 3 C8-C36	9.531	2.990 - 16.071		530526132	2853.8	

Report Date: 18-Jul-2011 14:54:52 Chrom Revision: 1.2 30-Jun-2011 15:02:28
Data File: \\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D
Injection Date: 18-Jul-2011 14:23:06 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 83682 Lims Sample ID: 10
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/3 Calibration Date: 08/22/2011 11:06

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5717.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	192.5		1100000	995000	-99.9*	15.0
C8-C36	Ave	185899	195050		1040	995	4.9	15.0
Diesel Range Organics [C10-C28]	Ave	163654	177513		1080	995	8.5	15.0
Decafluorobiphenyl	Ave	110103	110600		60.3	60.0	0.5	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/3 Calibration Date: 08/22/2011 11:06

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5717.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.98	13.71
C8-C36	9.52	2.98	16.06
Diesel Range Organics [C10-C28]	9.53	5.34	13.71
Decafluorobiphenyl	6.30	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5717.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	22-Aug-2011 11:06:34	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85451	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 12:27:46

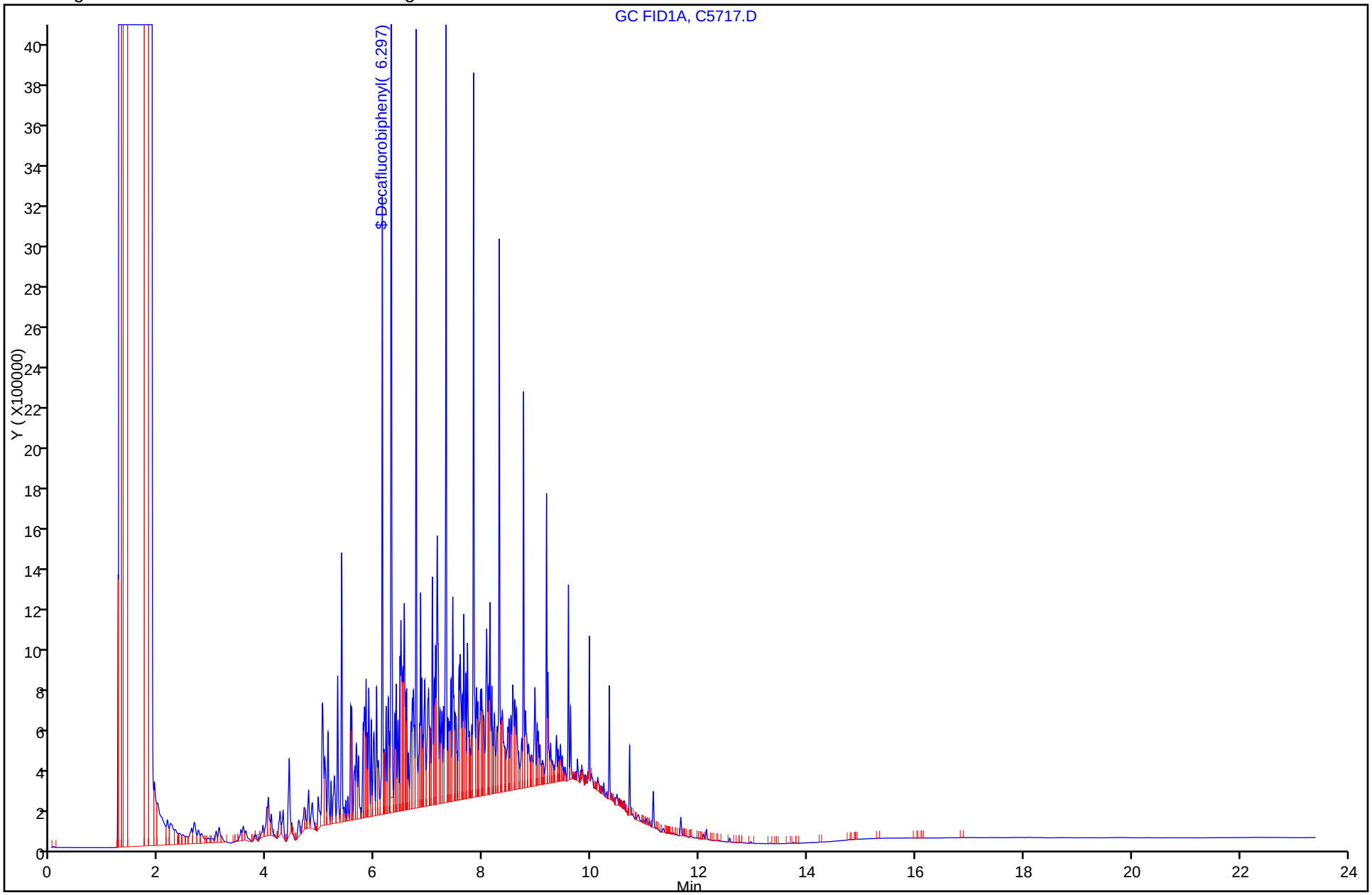
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	6636003	60.3	
A 10 C8-C28	8.344	2.977 - 13.711		191547379	1104.1	
A 3 C8-C36	9.520	2.977 - 16.064		194074640	1044.0	
A 4 C10-C28	9.525	5.340 - 13.711		176625287	1079.3	

Report Date: 22-Aug-2011 12:27:46 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5717.D

Injection Date:	22-Aug-2011 11:06:34	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	3
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/16 Calibration Date: 08/22/2011 18:37

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5730.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	193.6		1110000	995000	-99.9*	15.0
C8-C36	Ave	185899	207625		1110	995	11.7	15.0
Diesel Range Organics [C10-C28]	Ave	163654	169391		1030	995	3.5	15.0
Decafluorobiphenyl	Ave	110103	105266		57.4	60.0	-4.4	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/16 Calibration Date: 08/22/2011 18:37

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5730.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.98	13.71
C8-C36	9.52	2.98	16.06
Diesel Range Organics [C10-C28]	9.53	5.34	13.71
Decafluorobiphenyl	6.30	6.25	6.35

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5730.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	22-Aug-2011 18:37:35	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85451	Lims Sample ID:	16
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 19:08:32	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 19:08:32

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	6315972	57.4	
A 10 C8-C28	8.344	2.977 - 13.711		192603214	1110.2	
A 3 C8-C36	9.520	2.977 - 16.064		206587345	1111.3	
A 4 C10-C28	9.525	5.340 - 13.711		168543723	1029.9	

Report Date: 22-Aug-2011 19:08:32 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5730.D

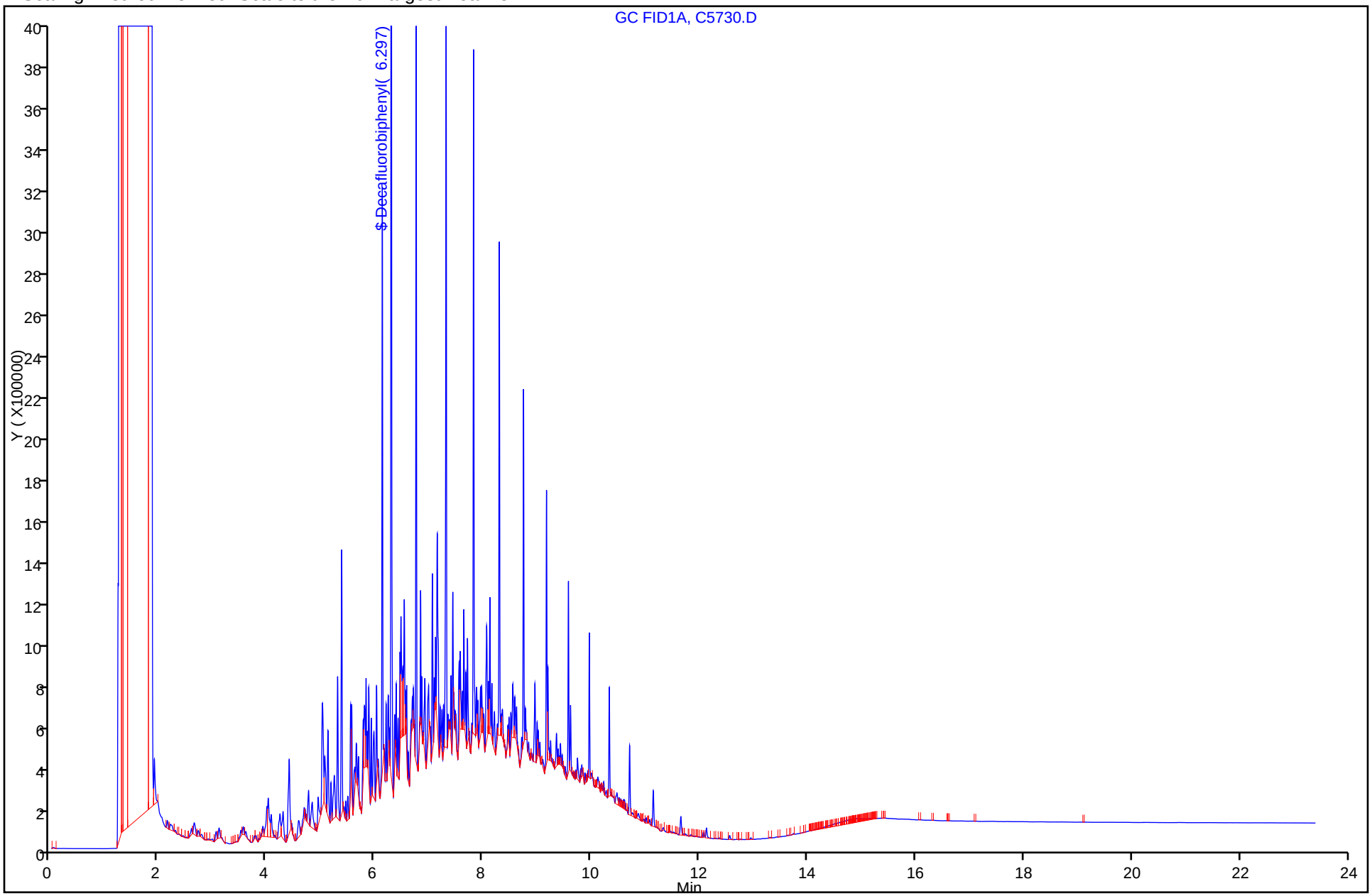
Injection Date: 22-Aug-2011 18:37:35 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 85451 Lims Sample ID: 16

Operator ID: CI Injection Vol: 1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/24 Calibration Date: 08/22/2011 23:00

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5738.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	173488	194.1		1110000	995000	-99.9*	15.0
C8-C36	Ave	185899	205479		1100	995	10.5	15.0
Diesel Range Organics [C10-C28]	Ave	163654	172104		1050	995	5.2	15.0
Decafluorobiphenyl	Ave	110103	108210		59.0	60.0	-1.7	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Lab Sample ID: CCV 510-85451/24 Calibration Date: 08/22/2011 23:00

Instrument ID: SGCC Calib Start Date: 07/18/2011 10:27

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 07/18/2011 14:23

Lab File ID: C5738.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.34	2.98	13.71
C8-C36	9.52	2.98	16.06
Diesel Range Organics [C10-C28]	9.53	5.34	13.71
Decafluorobiphenyl	6.30	6.25	6.35

Report Date: 23-Aug-2011 08:18:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5738.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	22-Aug-2011 23:00:01	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	85451	Lims Sample ID:	24
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	23-Aug-2011 08:18:37	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 23-Aug-2011 08:18:37

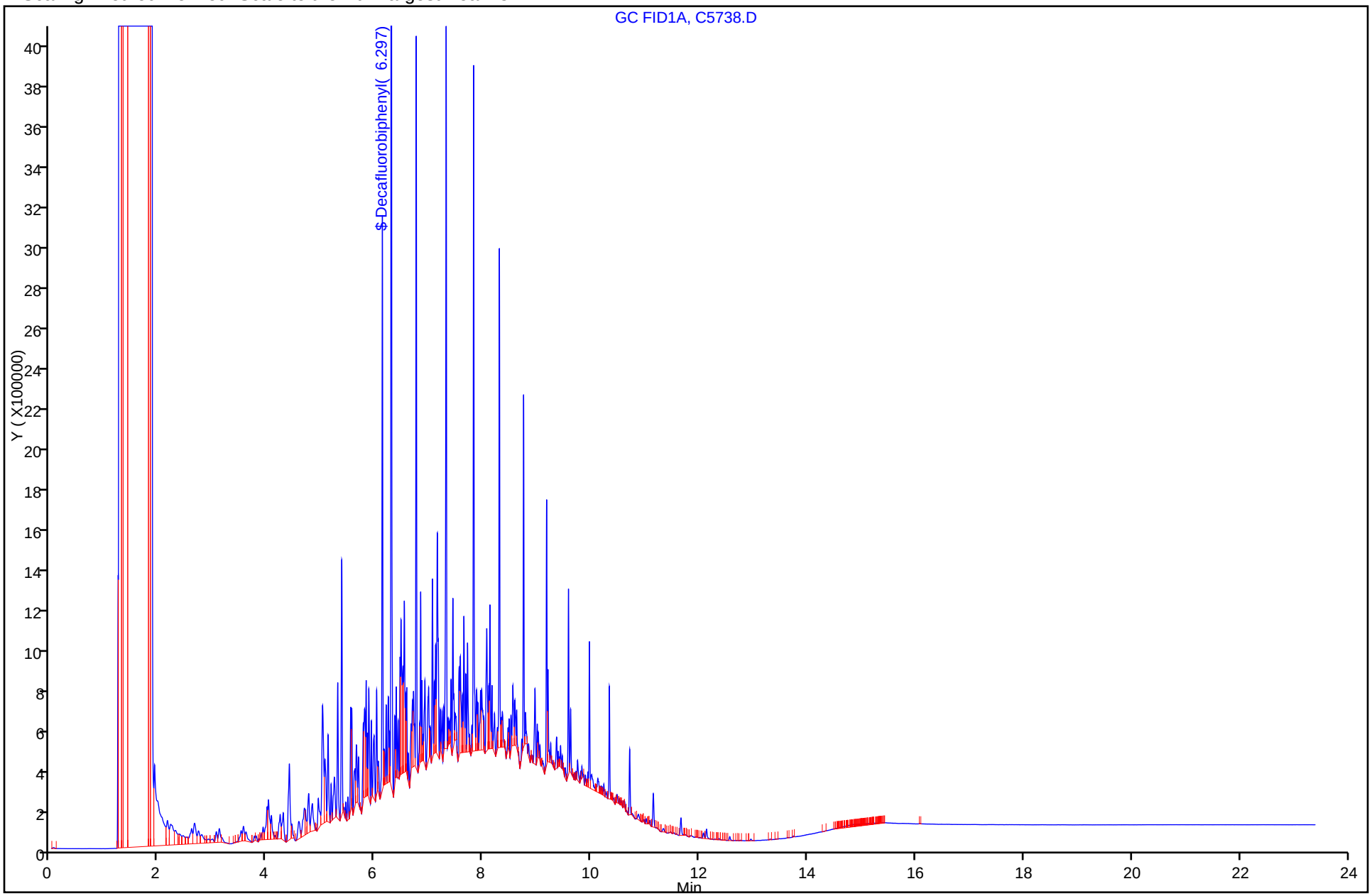
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	6492617	59.0	
A 10 C8-C28	8.344	2.977 - 13.711		193095260	1113.0	
A 3 C8-C36	9.520	2.977 - 16.064		204451467	1099.8	
A 4 C10-C28	9.525	5.340 - 13.711		171243426	1046.4	

Report Date: 23-Aug-2011 08:18:37 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5738.D

Injection Date:	22-Aug-2011 23:00:01	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	24
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 510-85436/1-A

Matrix: Solid Lab File ID: C5719.D

Analysis Method: 8015B Date Collected:

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30(g) Date Analyzed: 08/22/2011 12:42

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<20		20	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	55		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5719.D		
Lims ID:	MB 510-85436/1-A	Client ID:	
Inject. Date:	22-Aug-2011 12:42:03	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	mb 510-85436/1-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	85451	Lims Sample ID:	5
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

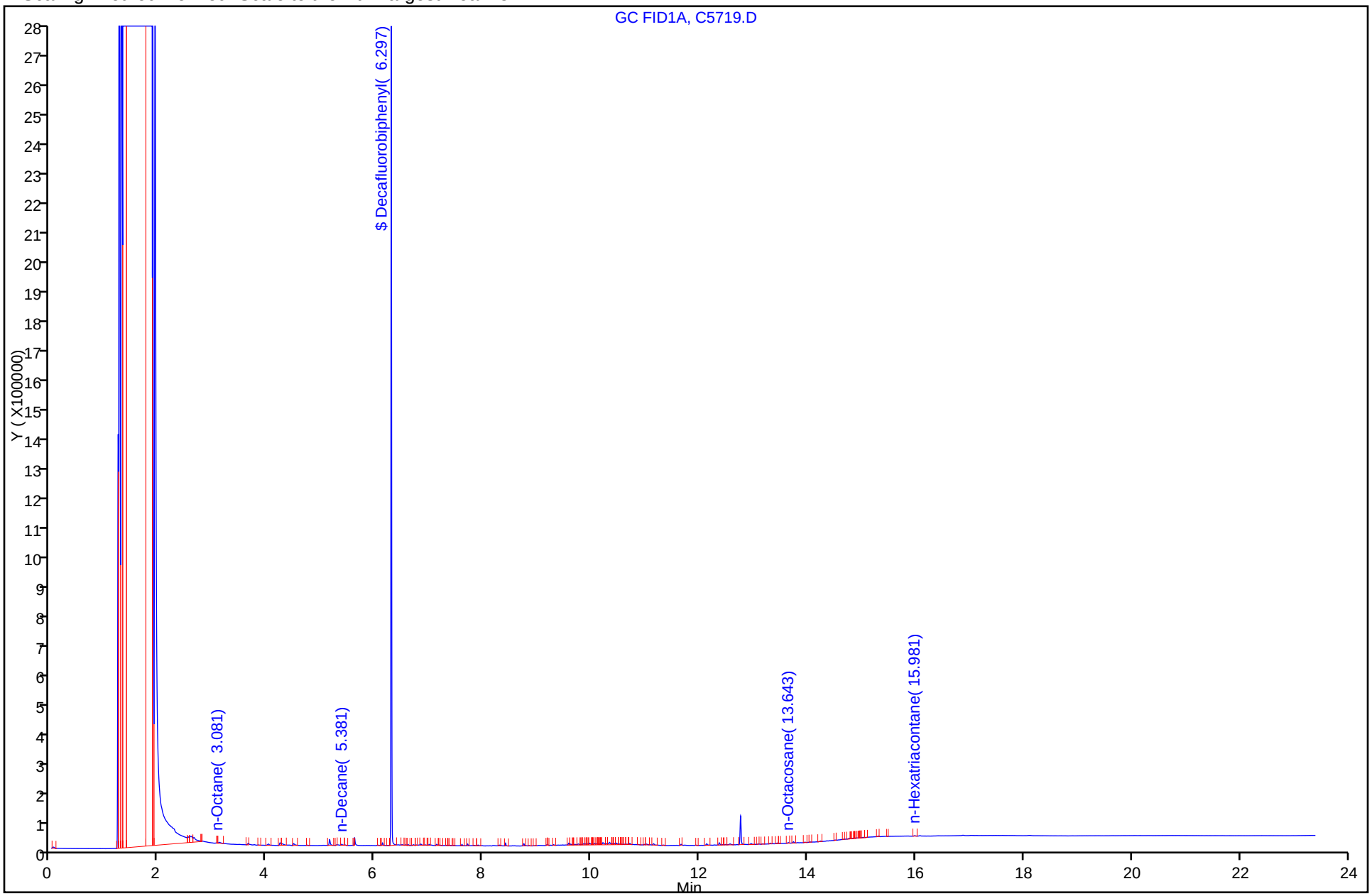
First Level Reviewer: iversc Date: 22-Aug-2011 13:29:08

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane	3.081	3.086	-0.005	1640	0	
1 n-Decane	5.381	5.394	-0.013	4623	0	
$ 2 Decafluorobiphenyl	6.297	6.297	0.0	2419320	22.0	
A 10 C8-C28		2.977 -	13.711			
A 3 C8-C36	9.520	2.977 -	16.064	5882824	31.6	
A 4 C10-C28		5.340 -	13.711			
6 n-Octacosane	13.643	13.669	-0.026	3123	0	
8 n-Hexatriacontane	15.981	15.993	-0.012	3079	0	

QC Flag Legend

Processing Flags
1 - Missing Peaks

Report Date: 22-Aug-2011 13:29:09 Chrom Revision: 1.2 13-Jul-2011 10:43:06
Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5719.D
Injection Date: 22-Aug-2011 12:42:03 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 85451 Lims Sample ID: 5
Operator ID: CI Injection Vol: 1.00 ul
Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 510-85436/2-A

Matrix: Solid Lab File ID: C5720.D

Analysis Method: 8015B Date Collected:

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30(g) Date Analyzed: 08/22/2011 13:14

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	21.1		20	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	61		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5720.D		
Lims ID:	LCS 510-85436/2-A	Client ID:	
Inject. Date:	22-Aug-2011 13:14:02	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	lcs 510-85436/2-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	85451	Lims Sample ID:	6
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 12:27:46	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 22-Aug-2011 14:11:15

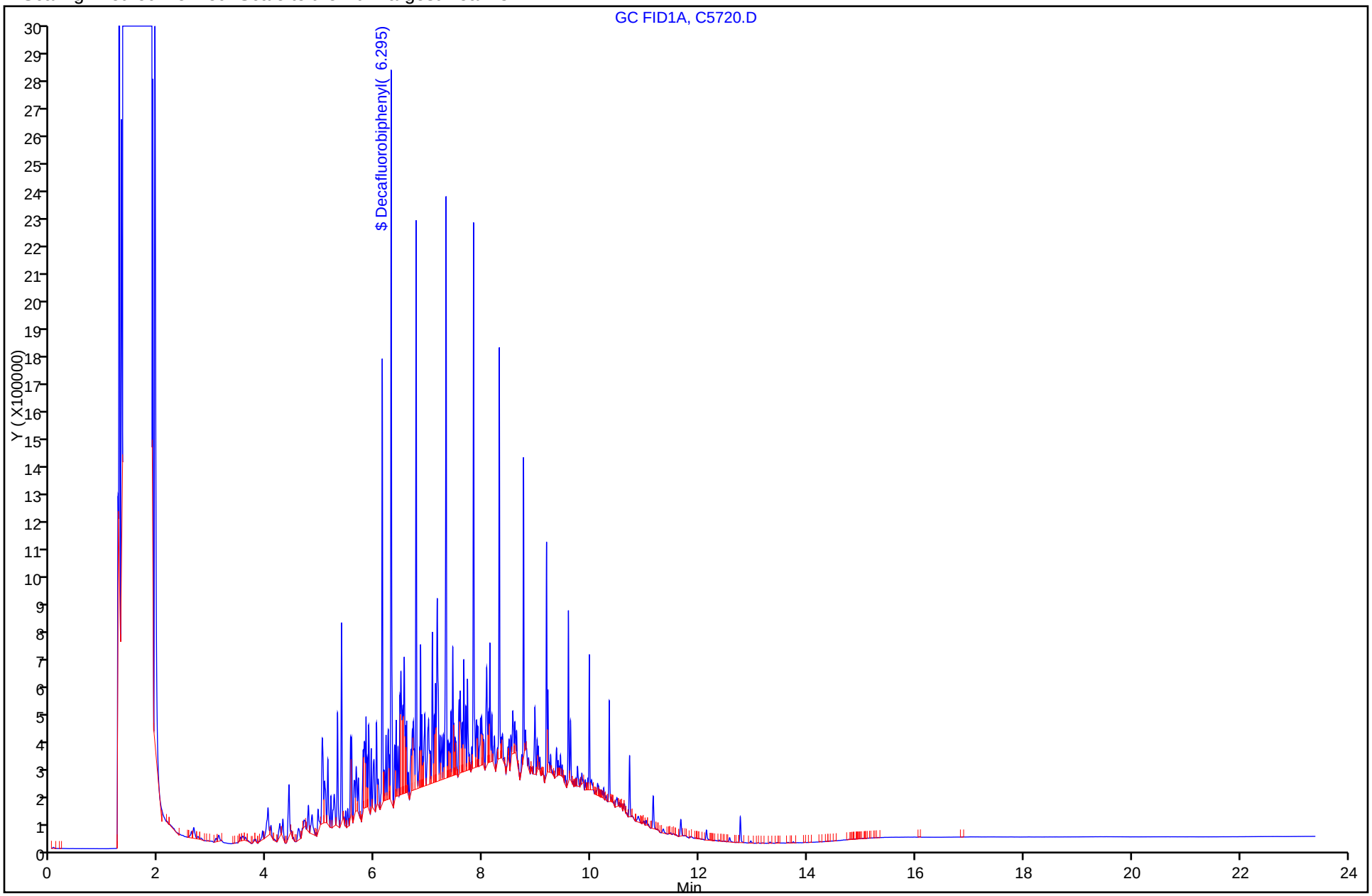
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.295	6.297	-0.002	2702548	24.5	
A 10 C8-C28	8.344	2.977 - 13.711		115341776	664.8	
A 3 C8-C36	9.520	2.977 - 16.064		117496484	632.0	
A 4 C10-C28	9.525	5.340 - 13.711		107299525	655.6	

Report Date: 22-Aug-2011 14:11:15 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5720.D

Injection Date:	22-Aug-2011 13:14:02	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	6
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MS Lab Sample ID: 510-69047-7 MS

Matrix: Solid Lab File ID: C5731.D

Analysis Method: 8015B Date Collected: 08/18/2011 13:35

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.84(g) Date Analyzed: 08/22/2011 19:09

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 10.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	79.3		22	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	37		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5731.D		
Lims ID:	510-69047-I-7-B MS	Client ID:	SSW-1
Inject. Date:	22-Aug-2011 19:09:55	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	510-69047-i-7-b ms		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	85451	Lims Sample ID:	17
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 23-Aug-2011 08:17:28

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane	3.105	3.086	0.019	49885	0	
1 n-Decane	5.376	5.394	-0.018	515231	0	
$ 2 Decafluorobiphenyl	6.294	6.297	-0.003	1615184	14.7	
A 10 C8-C28	8.344	2.977 - 13.711		324535830	1870.7	
A 3 C8-C36	9.520	2.977 - 16.064		407179855	2190.3	
A 4 C10-C28	9.525	5.340 - 13.711		301965015	1845.1	
6 n-Octacosane	13.673	13.669	0.004	40701	0	
8 n-Hexatriacontane	16.021	15.993	0.028	2811	0	

QC Flag Legend

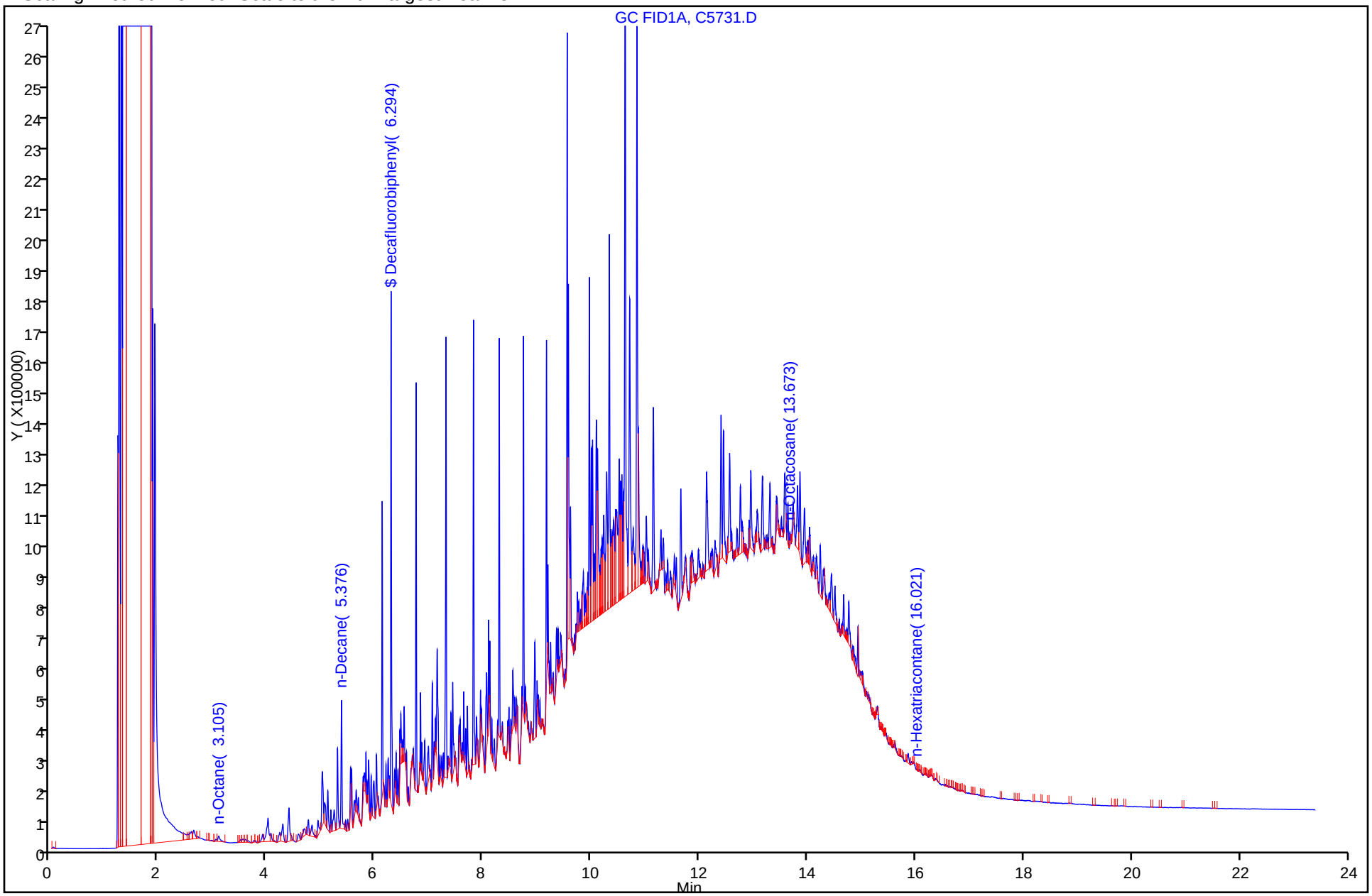
Processing Flags
1 - Missing Peaks

Report Date: 23-Aug-2011 08:17:29 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5731.D

Injection Date:	22-Aug-2011 19:09:55	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	17
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Client Sample ID: SSW-1 MSD Lab Sample ID: 510-69047-7 MSD

Matrix: Solid Lab File ID: C5732.D

Analysis Method: 8015B Date Collected: 08/18/2011 13:35

Extraction Method: 3541 Date Extracted: 08/22/2011 07:55

Sample wt/vol: 30.57(g) Date Analyzed: 08/22/2011 19:42

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 10.5 GPC Cleanup:(Y/N) N

Analysis Batch No.: 85451 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	104		22	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	42		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110822-5423.b\C5732.D		
Lims ID:	510-69047-I-7-C MSD	Client ID:	SSW-1
Inject. Date:	22-Aug-2011 19:42:15	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	510-69047-i-7-c msd		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	85451	Lims Sample ID:	18
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110822-5423.b\DRO_8015.m		
Last Update:	22-Aug-2011 23:24:24	Calib Date:	18-Jul-2011 14:23:06
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20110718-5233.b\G5215.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 23-Aug-2011 08:17:38

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane	3.109	3.086	0.023	46393	0	
1 n-Decane	5.378	5.394	-0.016	562887	0	
$ 2 Decafluorobiphenyl	6.294	6.297	-0.003	1842856	16.7	
A 10 C8-C28	8.344	2.977 -	13.711	416306280	2399.6	
A 3 C8-C36	9.520	2.977 -	16.064	530483493	2853.6	
A 4 C10-C28	9.525	5.340 -	13.711	389445103	2379.7	
6 n-Octacosane	13.685	13.669	0.016	15378	0	
8 n-Hexatriacontane	15.988	15.993	-0.005	6257	0	

QC Flag Legend

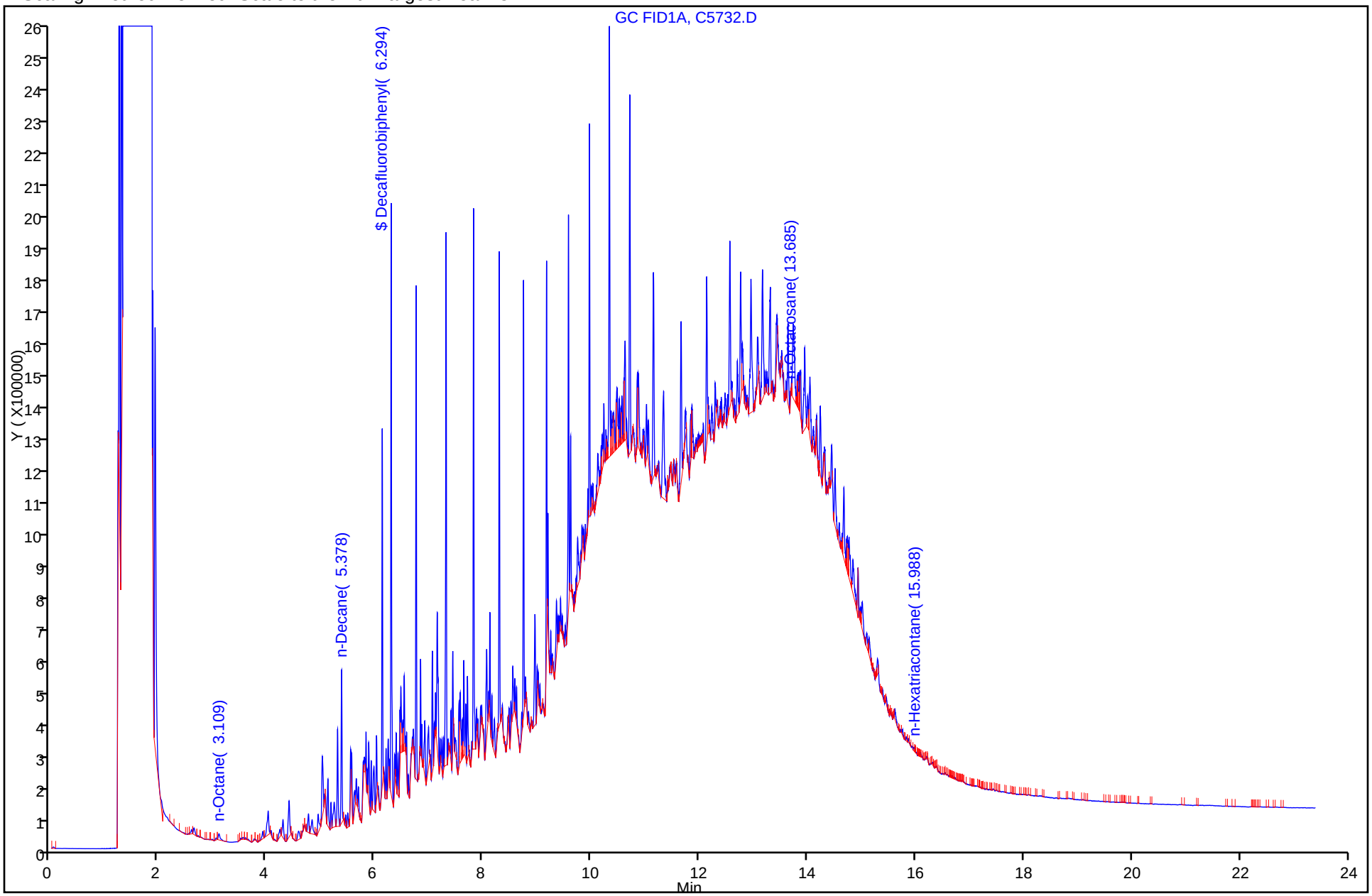
Processing Flags
1 - Missing Peaks

Report Date: 23-Aug-2011 08:17:38 Chrom Revision: 1.2 13-Jul-2011 10:43:06

Data File: \\valsvr08\ChromData\SGCC\20110822-5423.b\C5732.D

Injection Date:	22-Aug-2011 19:42:15	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SSW-1	Instrument ID:	SGCC
Lims Batch ID:	85451	Lims Sample ID:	18
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SGCC Start Date: 07/18/2011 09:22

Analysis Batch Number: 83682 End Date: 07/18/2011 15:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		07/18/2011 09:22	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-83682/2		07/18/2011 09:54	1		8015 (ERO/DRO) 0.25(mm)
STD 510-83682/3 IC		07/18/2011 10:27	1	G5208.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/4 IC		07/18/2011 11:00	1	G5209.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/5 IC		07/18/2011 11:33	1	G5210.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/6 IC		07/18/2011 12:07	1	G5211.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/7 IC		07/18/2011 12:41	1	G5212.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/8 IC		07/18/2011 13:15	1	G5213.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/9 IC		07/18/2011 13:49	1	G5214.D	8015 (ERO/DRO) 0.25(mm)
STD 510-83682/10 IC		07/18/2011 14:23	1	G5215.D	8015 (ERO/DRO) 0.25(mm)
ICB 510-83682/11		07/18/2011 14:57	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-83682/12		07/18/2011 15:31	1		8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: SGCC Start Date: 08/22/2011 10:02

Analysis Batch Number: 85451 End Date: 08/22/2011 23:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		08/22/2011 10:02	1		8015 (ERO/DRO) 0.25(mm)
ICB 510-85451/2		08/22/2011 10:34	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-85451/3		08/22/2011 11:06	1	C5717.D	8015 (ERO/DRO) 0.25(mm)
ICB 510-85451/4		08/22/2011 11:38	1		8015 (ERO/DRO) 0.25(mm)
MB 510-85436/1-A		08/22/2011 12:42	1	C5719.D	8015 (ERO/DRO) 0.25(mm)
LCS 510-85436/2-A		08/22/2011 13:14	1	C5720.D	8015 (ERO/DRO) 0.25(mm)
510-69047-3	WSW-1	08/22/2011 13:46	1	C5721.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 14:18	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 14:51	5		8015 (ERO/DRO) 0.25(mm)
510-69047-2	ESW-1	08/22/2011 15:23	1	C5724.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 15:55	5		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 16:27	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 16:59	1		8015 (ERO/DRO) 0.25(mm)
510-69047-7	SSW-1	08/22/2011 17:32	1	C5728.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 18:05	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-85451/16		08/22/2011 18:37	1	C5730.D	8015 (ERO/DRO) 0.25(mm)
510-69047-7 MS	SSW-1 MS	08/22/2011 19:09	1	C5731.D	8015 (ERO/DRO) 0.25(mm)
510-69047-7 MSD	SSW-1 MSD	08/22/2011 19:42	1	C5732.D	8015 (ERO/DRO) 0.25(mm)
510-69047-1 DL2	NSW-1 DL2	08/22/2011 20:15	20	C5733.D	8015 (ERO/DRO) 0.25(mm)
510-69047-4 DL2	WFS-1 DL2	08/22/2011 20:47	20	C5734.D	8015 (ERO/DRO) 0.25(mm)
510-69047-5 DL	EFS-1 DL	08/22/2011 21:20	5	C5735.D	8015 (ERO/DRO) 0.25(mm)
510-69047-6 DL	FIELD DUPLICATE DL	08/22/2011 21:52	5	C5736.D	8015 (ERO/DRO) 0.25(mm)
ZZZZZ		08/22/2011 22:26	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-85451/24		08/22/2011 23:00	1	C5738.D	8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Batch Number: 85436 Batch Start Date: 08/22/11 07:55 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSD-DIESEL 00034	SGSSDFB 00026		
MB 510-85436/1		3541, 8015B		30 g	1 mL		100 uL		
LCS 510-85436/2		3541, 8015B		30 g	1 mL	100 uL	100 uL		
510-69047-I-1	NSW-1	3541, 8015B	T	30.62 g	1 mL		100 uL		
510-69047-I-2	ESW-1	3541, 8015B	T	30.51 g	1 mL		100 uL		
510-69047-I-3	WSW-1	3541, 8015B	T	30.50 g	1 mL		100 uL		
510-69047-I-4	WFS-1	3541, 8015B	T	30.64 g	1 mL		100 uL		
510-69047-I-5	EFS-1	3541, 8015B	T	30.22 g	1 mL		100 uL		
510-69047-I-6	FIELD DUPLICATE	3541, 8015B	T	30.31 g	1 mL		100 uL		
510-69047-I-7	SSW-1	3541, 8015B	T	30.12 g	1 mL		100 uL		
510-69047-I-7 MS	SSW-1	3541, 8015B	T	30.84 g	1 mL	100 uL	100 uL		
510-69047-I-7 MSD	SSW-1	3541, 8015B	T	30.57 g	1 mL	100 uL	100 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00005
DCM/CS2 ID	dcm_00060
Vendor lot number	dcm_00060
Na2SO4 Lot Number	opna2so4_00019
Person's name who did the prep	Sarah page
Solvent	dcm
Soxtherm Temperature	150
Soxtherm Unit	1,2
First Start time	0755

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-69047-1

SDG No.:

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
NSW-1	510-69047-1
ESW-1	510-69047-2
WSW-1	510-69047-3
WFS-1	510-69047-4
EFS-1	510-69047-5
FIELD DUPLICATE	510-69047-6
SSW-1	510-69047-7

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-69047-1

SDG Number:

Matrix: Solid Instrument ID: GBALB

Method: Moisture RL Date: 11/15/2005 14:44

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso   Job No.: 510-69047-1

SDG No.:

Instrument ID: GBALB   Method: Moisture

Start Date: 08/22/2011 15:39   End Date: 08/22/2011 15:39

				Analytes																			
Lab Sample ID	D/F	Type	Time	%Sol	Moist																		
MB 510-85475/1	1	T	15:39	X	X																		
ZZZZZZ			15:39																				
ZZZZZZ			15:39																				
ZZZZZZ			15:39																				
ZZZZZZ			15:39																				
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ZZZZZZ			15:39																				
510-69047-1	1	T	15:39	X	X																		
510-69047-2	1	T	15:39	X	X																		
510-69047-3	1	T	15:39	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Instrument ID: GBALB Method: Moisture

Start Date: 08/22/2011 16:14 End Date: 08/22/2011 16:14

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
MB 510-85479/1	1	T	16:14	X	X																		
ZZZZZZ			16:14																				
ZZZZZZ			16:14																				
510-69047-4	1	T	16:14	X	X																		
510-69047-5	1	T	16:14	X	X																		
510-69047-6	1	T	16:14	X	X																		
510-69047-7	1	T	16:14	X	X																		
510-69047-7 MS	1	T	16:14	X	X																		
510-69047-7 MSD	1	T	16:14	X	X																		
ZZZZZZ			16:14																				
ZZZZZZ			16:14																				

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Batch Number: 85475 Batch Start Date: 08/22/11 15:39 Batch Analyst: Hall, Jennifer L

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
MB 510-85475/1		Moisture		1	001.0535 g	011.4175 g	001.0562 g		
510-69047-G-1	NSW-1	Moisture	T	21	001.0254 g	007.1786 g	006.9373 g		
510-69047-G-2	ESW-1	Moisture	T	22	001.0485 g	008.4771 g	008.2063 g		
510-69047-G-3	WSW-1	Moisture	T	23	001.0139 g	010.9534 g	010.4337 g		

Batch Notes	
Balance ID	13506717 No Unit
Date samples were placed in the oven	8-22-11
Oven Temp when samples are put in oven	104.7 Degrees C
Time samples were place in the oven	1600
Date samples were removed from oven	8-23-11
Oven Temp when samples removed from oven	103.2 Degrees C
Time Samples were removed from oven	0900
Oven ID	wc-ovn-1
ID number of the thermometer	14-986-b-g
Uncorrected In Temperature	104.5 Celsius
Uncorrected Out Temperature	103.0 Celsius

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-69047-1

SDG No.:

Batch Number: 85479 Batch Start Date: 08/22/11 16:14 Batch Analyst: Hall, Jennifer L

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
MB 510-85479/1		Moisture		1	001.0082 g	011.2493 g	001.0113 g		
510-69047-G-4	WFS-1	Moisture	T	4	001.0158 g	007.8807 g	007.5842 g		
510-69047-G-5	EFS-1	Moisture	T	5	001.0217 g	008.9359 g	008.8000 g		
510-69047-G-6	FIELD DUPLICATE	Moisture	T	6	001.0118 g	008.4412 g	008.1532 g		
510-69047-G-7	SSW-1	Moisture	T	7	001.0107 g	007.4985 g	006.8182 g		
510-69047-G-7 MS	SSW-1	Moisture	T	7	001.0107 g	007.4985 g	006.8182 g		
510-69047-G-7 MSD	SSW-1	Moisture	T	7	001.0107 g	007.4985 g	006.8182 g		

Batch Notes	
Balance ID	13506717 No Unit
Date samples were placed in the oven	8-22-11
Oven Temp when samples are put in oven	104.7 Degrees C
Time samples were place in the oven	1630
Date samples were removed from oven	8-23-11
Oven Temp when samples removed from oven	103.2 Degrees C
Time Samples were removed from oven	0900
Oven ID	wc-ovn-1
ID number of the thermometer	14-986-b-g
Uncorrected In Temperature	104.5 Celsius
Uncorrected Out Temperature	103.0 Celsius

Basis	Basis Description
T	Total/NA

Shipping and Receiving Documents

TestAmerica Valparaiso
2400 Cumberland Drive
Valparaiso, IN 46383
Phone (219) 464-2389 Fax (219) 462-2953

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: ED STEFANEK	Lab PM: Kintz, Robin M	Carrier Tracking No(s):	COC No: 510-14134.1
Client Contact: Ed Stefanek/Jodi Slough	Phone: 574-271-3447	E-Mail: robinm.kintz@testamericainc.com		Page:
Company: Weaver Boos Consultants LLC				Job #:
Address: 4085 Meghan Beeler Court	Due Date Requested:			
City: South Bend	TAT Requested (days): PER QUOTE			
State, Zip: IN, 46628	PO #:			
Phone: 574-271-3447	WO #:			
Email: estefanek@weaverboos.com / jslough@weaverboos.com	Project #: 51001692			
Project Name: South Bend Former Studebaker Foundry	SSOW#:			
Site: South Bend Former Studebaker Foundry				

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification (69047)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270C, 8270C_SIM - BNAs	6020, 7470 - Metals	8082 - PCBs	8260B - VOCs	8015 - TPH GRO	8015 - TPH ERO	8260B - VOCs (Trip Blanks)	Total/Free Cyanide	PNAs					Total Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	PF	PF	N	A	N							
-1 NSW-1	8-18	1:00PM	G	S		N				X	X	X			X					9	
-2 ESW-1	"	1:05	G	S		N				X	X	X			X					9	
-3 WSW-1	"	1:10	G	S		N				X	X	X			X					9	
-4 WFS-1	"	1:15	G	S		N				X	X	X			X					9	
-5 EFS-1	"	1:20	G	S		N				X	X	X			X					9	
-6 FIELD DUPLICATE	"	1:25	G	S		N				X	X	X			X					9	
-7 SSW-1	"	1:35	G	S		Y				X	X	X			X					9	
~~-8~~ -7 02 MATRIX SPIKE	"	1:45	G	S		-				X	X	X			X					9	
~~-9~~ -7 02 MATRIX SPIKE DUPLICATE	"	1:50	G	S		-				X	X	X			X					9	
~~-10~~ -8 02 TRIP BLANK				W		-				X										3	3 of 3 Vials have bubbles >6mm 02 8/19/11
~~-11~~ -9 02 Sodium Bisulfate/Methanol Blank				S						X										3	

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

Deliverable Requested: I, II, III, IV, Other (specify)

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Ed Stefanek	8/19/11 1317	WBOOS	Jerry Hulse	8/19/11 1317	TestAmerica
2	Jerry Hulse	8/19/11 1400	TestAmerica		8/19/11 1403	TestAmerica
3						

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:
510-48-107 2.7°C Corrected Temp 3.0°C
510-48-181 1.3°C Corrected Temp 1.6°C

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-69047-1

Login Number: 69047
List Number: 2
Creator: Richter, Debbie D

List Source: TestAmerica Valparaiso

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
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: 510-69047-1

Login Number: 69047
List Number: 1
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago
List Creation: 08/23/11 10:16 AM

Question	Answer	Comment
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	