TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

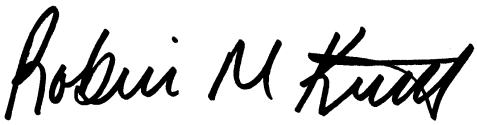
ANALYTICAL REPORT

Job Number: 510-62781-1

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
3/25/2011 11:23 AM

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03/25/2011

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Valparaiso Certifications and IDs: New Hampshire (283711), Illinois (100432), Indiana DW (C-64-01), Indiana DW Micro (M-64-4), Washington (C842), Kentucky UST (57) and Foreign Soil Permit (P330-11-00073).

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Table of Contents

Job Narrative
510-62781-1

Comments
No additional comments.

Receipt
The sample was received with headspace in the sample vial: 3 of 3 vials for TRIP BLANK had bubble >6 mm.

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

GC/MS VOA
Method(s) 8260B: Insufficient sample volume was provided to perform matrix spike/matrix spike duplicate (MS/MSD) for batch 76886.

Method(s) 8260B: The laboratory control sample (LCS) for batch 76886 exceeded the linear range for Chloroethane. This analyte was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 76886 exceeded control limits for the following analytes listed below. These analytes were biased high in the LCS but were not detected in the associated samples; therefore, the data has been reported.
Bromomethane
trans-1,2-Dichloroethene
Methyl tert-butyl ether
1,1-Dichloroethane
cis-1,2-Dichloroethene
Chloroform
1,1,1-Trichloroethane
Cyclohexane
Benzene
Trichloroethene
1,2-Dichloropropane
Dichlorobromomethane
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Tetrachloroethene
Chlorodibromomethane
Ethylene Dibromide
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethybenzene
M,P,O and Total Xylenes
Styrene
Bromoform
Isopropylbenzene
1,1,2,2-Tetrachloroethane
N-Propylbenzene
1,3,5-Trimethylbenzene
1,2,4-Trimethylbenzene

Method(s) 8260B: The laboratory control sample (LCS) for batch 77032 exceeded control limits for the following analytes: 1,1,1-Trichloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, Benzene, Cyclohexane, Ethylbenzene, Hexane, Iodomethane, Isopropylbenzene, Methylcyclohexane, M&P-Xylenes, n-Propylbenzene, Styrene, Tetrachloroethene, Toluene, 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 77032 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8260B: The following sample was received with headspace in the sample vial: Trip Blank (510-62781-6). Batch 77114.

Method(s) 8260B: The laboratory control sample (LCS) for batch 77114 exceeded control limits for the following analyte: Methyl Acetate. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data has been reported.

Method(s) 8260B: The laboratory control sample (LCS) for batch 77114 exceeded control limits for the following analyte: n-Butanol. This is a project specific target analyte which is not present in the LCS spiking solution, so therefore a ND recovery was expected.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: Internal standard responses were outside of acceptance limits for the following sample: SB0058:TP1:000020 (510-62781-1). The sample shows evidence of matrix interference.

Method(s) 8270C SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 77007 were outside control limits. The associated laboratory control sample (LCS) recovery met acceptance criteria. (analytical batch 77268)

Method(s) 8270C SIM: The continuing calibration verification (CCV) for analytical batch 77268 recovered above the upper control limit for Benzo(g,h,i)perylene, Indeno[1,2,3-cd]pyrene and Dibenz(a,h)anthracene. The samples associated with this CCV that are non-detect for the affected analytes have been reported. The samples that had these compounds detected will be rerun. (preparation batch 77225, 77007)

No other analytical or quality issues were noted.

GC VOA
No analytical or quality issues were noted.

GC Semi VOA
Method(s) 8015B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 76964 were outside control limits. Non-homogeneity of the sample matrix is suspected. The associated laboratory control sample (LCS) recovery met acceptance criteria.

No other analytical or quality issues were noted.

Metals
Method(s) 6020: The instrument blank for analytical batch 77092 contained chromium greater than the reporting limit (RL). The sample concentration was greater than 10x the concentration in the blank. Data is acceptable. Batch 77092.
SB0058:TP1:000020 (510-62781-1), SB0058:TP2:000020 (510-62781-3), SB0058:TP2:040050 (510-62781-4)

Method(s) 6020: The matrix spike \ matrix spike duplicate (MS/MSD) recoveries for batch 77574 were outside control limits for Copper and Lead. A Post digestion spike (PDS) and a Serial dilution (SD) was performed and passed, the associated laboratory control sample (LCS) recovery met acceptance criteria. SB0058:TP1:000020 (510-62781-1)

Method(s) 6020: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for batch 77824 were outside control limits for Antimony, a post digestion spike (PDS) and a serial dilution (SD) was performed and passed, the associated laboratory control sample (LCS) recovery met acceptance criteria. Also, the ccb (continuning calibration blank) concentration was above control limits for Antimony, however the samples are non-detect. The data is being reported.SB0058: FIELD DUPLICATE (510-62781-5), SB0058:TP1:000020 (510-62781-1), SB0058:TP1:040050 (510-62781-2), SB0058:TP2:000020 (510-62781-3), SB0058:TP2:040050 (510-62781-4)

Method(s) 6020: Samples were diluted due to matrix interferences causing internal standard concentrations for antimony to be outside of control limits. These samples were run multiple times straight and at a number of dilution levels. The lowest dilution with passing internal standard concentrations is reported. Batch 77825. SB0058: FIELD DUPLICATE (510-62781-5), SB0058:TP1:000020 (510-62781-1), SB0058:TP1:040050 (510-62781-2), SB0058:TP2:000020 (510-62781-3), SB0058:TP2:040050 (510-62781-4).

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.: 510-62781-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 77032

Lab Sample ID: STD005 510-77032/2 IC Client Sample ID:

Date Analyzed: 03/08/11 12:53 Lab File ID: E8104.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	03/08/11 13:22
Chlorobenzene	10.69	Assign Peak	hallj	03/08/11 13:22
1,3,5-Trimethylbenzene	12.89	Assign Peak	hallj	03/08/11 13:22
1,4-Dichlorobenzene	13.96	Assign Peak	hallj	03/08/11 13:22

Lab Sample ID: STD010 510-77032/3 IC Client Sample ID:

Date Analyzed: 03/08/11 13:27 Lab File ID: E8105.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 13:56
trans-1,4-Dichloro-2-butene	12.54	Assign Peak	hallj	03/08/11 13:56
1,3,5-Trimethylbenzene	12.89	Assign Peak	hallj	03/08/11 13:56
1,4-Dichlorobenzene	13.96	Assign Peak	hallj	03/08/11 13:56

Lab Sample ID: STD020 510-77032/4 IC Client Sample ID:

Date Analyzed: 03/08/11 14:02 Lab File ID: E8106.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 14:45
1,2-Dichloropropane	7.59	Assign Peak	hallj	03/08/11 14:45
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	03/08/11 14:45

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 77032

Lab Sample ID: STD050 510-77032/5 ICIS Client Sample ID:

Date Analyzed: 03/08/11 14:36 Lab File ID: E8107.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 15:30
1,2-Dichloropropane	7.59	Assign Peak	hallj	03/08/11 15:30
1,3,5-Trimethylbenzene	12.89	Assign Peak	hallj	03/08/11 15:30

Lab Sample ID: STD100 510-77032/6 IC Client Sample ID:

Date Analyzed: 03/08/11 15:10 Lab File ID: E8108.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.84	Assign Peak	hallj	03/08/11 16:34
t-Butyl alcohol	4.42	Assign Peak	hallj	03/08/11 16:37
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 16:34
1,2-Dichloropropane	7.59	Assign Peak	hallj	03/08/11 16:34
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	03/08/11 16:34

Lab Sample ID: STD150 510-77032/7 IC Client Sample ID:

Date Analyzed: 03/08/11 15:44 Lab File ID: E8109.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.90	Assign Peak	hallj	03/08/11 16:36
t-Butyl alcohol	4.56	Assign Peak	hallj	03/08/11 16:36
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 16:36
1,2-Dichloropropane	7.59	Assign Peak	hallj	03/08/11 16:36
1,3,5-Trimethylbenzene	12.88	Assign Peak	hallj	03/08/11 16:36
1,4-Dichlorobenzene-d4	13.93	Assign Peak	hallj	03/08/11 16:36

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 77032

Lab Sample ID: STD200 510-77032/8 IC Client Sample ID:

Date Analyzed: 03/08/11 16:19 Lab File ID: E8110.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chloroethane	2.93	Assign Peak	hallj	03/08/11 16:44
Trichlorofluoromethane	3.07	Assign Peak	hallj	03/08/11 16:44
t-Butyl alcohol	4.62	Assign Peak	hallj	03/08/11 16:44
Isopropyl ether	5.07	Assign Peak	hallj	03/08/11 16:44
n-Butanol	7.31	Assign Peak	hallj	03/08/11 16:50
1,2-Dichloropropane	7.59	Assign Peak	hallj	03/08/11 16:50
1,3,5-Trimethylbenzene	12.89	Assign Peak	hallj	03/08/11 16:50
1,4-Dichlorobenzene-d4	13.92	Assign Peak	hallj	03/08/11 16:44

Lab Sample ID: MB 510-77032/11 Client Sample ID:

Date Analyzed: 03/08/11 18:02 Lab File ID: E8113.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hallj	03/08/11 18:35

Lab Sample ID: LCS 510-77032/12 Client Sample ID:

Date Analyzed: 03/08/11 18:36 Lab File ID: E8114.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Butanol	7.56	Assign Peak	hobartw	03/09/11 04:08
1,2-Dichloropropane	7.59	Assign Peak	hobartw	03/09/11 04:08
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	03/09/11 04:08

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 77032

Lab Sample ID: 510-62781-1 Client Sample ID:

Date Analyzed: 03/08/11 19:45 Lab File ID: E8116.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:10

Lab Sample ID: 510-62781-1 MS Client Sample ID: SB0058:TP1:000020 MS

Date Analyzed: 03/08/11 20:20 Lab File ID: E8117.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	03/09/11 04:11
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	03/09/11 04:12

Lab Sample ID: 510-62781-1 MSD Client Sample ID: SB0058:TP1:000020 MSD

Date Analyzed: 03/08/11 20:54 Lab File ID: E8118.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2-Dichloropropane	7.59	Assign Peak	hobartw	03/09/11 04:12
1,3,5-Trimethylbenzene	12.88	Assign Peak	hobartw	03/09/11 04:12

Lab Sample ID: 510-62781-2 Client Sample ID:

Date Analyzed: 03/08/11 21:28 Lab File ID: E8119.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:13

Lab Sample ID: 510-62781-3 Client Sample ID:

Date Analyzed: 03/08/11 22:03 Lab File ID: E8120.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:14

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSA Analysis Batch Number: 77032

Lab Sample ID: 510-62781-4 Client Sample ID:

Date Analyzed: 03/08/11 22:37 Lab File ID: E8121.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:15

Lab Sample ID: 510-62781-5 Client Sample ID:

Date Analyzed: 03/08/11 23:12 Lab File ID: E8122.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:15

Lab Sample ID: 510-62781-7 Client Sample ID:

Date Analyzed: 03/08/11 23:46 Lab File ID: E8123.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Fluorobenzene	6.91	Assign Peak	hobartw	03/09/11 04:16

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 77114

Lab Sample ID: STD001 510-77114/2 IC Client Sample ID:

Date Analyzed: 03/09/11 13:45 Lab File ID: A6481.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Tetrachloroethylene	7.88	Assign Peak	hallj	03/09/11 14:36

Lab Sample ID: STD002 510-77114/3 IC Client Sample ID:

Date Analyzed: 03/09/11 14:17 Lab File ID: A6482.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dichlorodifluoromethane	1.44	Assign Peak	hallj	03/09/11 14:56
Bromomethane	2.01	Assign Peak	hallj	03/09/11 14:56
Acetone	2.88	Assign Peak	hallj	03/09/11 14:56
Iodomethane	2.97	Assign Peak	hallj	03/09/11 14:56
Methyl acetate	3.20	Assign Peak	hallj	03/09/11 14:56
n-Hexane	3.82	Assign Peak	hallj	03/09/11 14:56
Vinyl acetate	3.99	Assign Peak	hallj	03/09/11 14:56
Isopropyl ether	4.01	Assign Peak	hallj	03/09/11 14:56
2,2-Dichloropropane	4.49	Assign Peak	hallj	03/09/11 14:56
Ethyl acetate	4.56	Assign Peak	hallj	03/09/11 14:56
Tetrahydrofuran	4.78	Assign Peak	hallj	03/09/11 14:56
Isobutanol	5.45	Assign Peak	hallj	03/09/11 14:56
n-Butanol	5.89	Assign Peak	hallj	03/09/11 15:17
Trichloroethene	5.99	Assign Peak	hallj	03/09/11 14:56
trans-1,3-Dichloropropene	7.52	Assign Peak	hallj	03/09/11 14:56
Ethyl methacrylate	7.63	Assign Peak	hallj	03/09/11 14:56
Methyl Butyl Ketone (2-Hexanone)	8.01	Assign Peak	hallj	03/09/11 14:56
trans-1,4-Dichloro-2-butene	10.40	Assign Peak	hallj	03/09/11 14:56
1,3,5-Trimethylbenzene	10.69	Assign Peak	hallj	03/09/11 14:56
1,4-Dichlorobenzene	11.57	Assign Peak	hallj	03/09/11 14:56
Naphthalene	14.29	Assign Peak	hallj	03/09/11 14:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 77114

Lab Sample ID: STD005 510-77114/4 IC Client Sample ID:

Date Analyzed: 03/09/11 14:49 Lab File ID: A6483.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Methylene Chloride	3.28	Assign Peak	hallj	03/09/11 15:17
t-Butyl alcohol	3.39	Assign Peak	hallj	03/09/11 15:17
Vinyl acetate	3.99	Assign Peak	hallj	03/09/11 15:17
Isopropyl ether	4.01	Assign Peak	hallj	03/09/11 15:17
1,3-Butadiene	4.55	Assign Peak	hallj	03/09/11 15:17
Propionitrile	4.55	Assign Peak	hallj	03/09/11 15:17
Tetrahydrofuran	4.76	Assign Peak	hallj	03/09/11 15:17
n-Butanol	5.90	Assign Peak	hallj	03/09/11 15:17
1,4-Dichlorobenzene	11.57	Assign Peak	hallj	03/09/11 15:17
1,2-Dibromo-3-Chloropropane	12.98	Assign Peak	hallj	03/09/11 15:17

Lab Sample ID: STD020 510-77114/6 IC Client Sample ID:

Date Analyzed: 03/09/11 15:54 Lab File ID: A6485.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	03/09/11 16:16
Isopropyl ether	4.01	Assign Peak	hallj	03/09/11 16:16
1,3-Butadiene	4.55	Assign Peak	hallj	03/09/11 16:16

Lab Sample ID: STD050 510-77114/7 ICIS Client Sample ID:

Date Analyzed: 03/09/11 16:26 Lab File ID: A6486.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	03/09/11 16:56
Isopropyl ether	4.02	Assign Peak	hallj	03/09/11 16:56
Methyl ethyl ketone (MEK)	4.50	Baseline	hallj	03/09/11 17:20
1,3-Butadiene	4.55	Assign Peak	hallj	03/09/11 16:56
Propionitrile	4.55	Assign Peak	hallj	03/09/11 16:56

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 77114

Lab Sample ID: STD100 510-77114/8 IC Client Sample ID:

Date Analyzed: 03/09/11 16:58 Lab File ID: A6487.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.12	Assign Peak	hallj	03/09/11 17:19
Isopropyl ether	4.02	Assign Peak	hallj	03/09/11 17:19
1,3-Butadiene	4.55	Assign Peak	hallj	03/09/11 17:19

Lab Sample ID: STD150 510-77114/9 IC Client Sample ID:

Date Analyzed: 03/09/11 17:30 Lab File ID: A6488.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	03/09/11 17:51
Isopropyl ether	4.02	Assign Peak	hallj	03/09/11 17:51
Methyl ethyl ketone (MEK)	4.50	Assign Peak	hallj	03/09/11 17:51
1,3-Butadiene	4.54	Assign Peak	hallj	03/09/11 17:51

Lab Sample ID: STD200 510-77114/10 IC Client Sample ID:

Date Analyzed: 03/09/11 18:02 Lab File ID: A6489.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acetonitrile	3.13	Assign Peak	hallj	03/09/11 19:04
Isopropyl ether	4.01	Assign Peak	hallj	03/09/11 19:04
Methyl ethyl ketone (MEK)	4.49	Assign Peak	hallj	03/09/11 19:04
1,3-Butadiene	4.54	Assign Peak	hallj	03/09/11 19:04

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSB Analysis Batch Number: 77114

Lab Sample ID: STD010 510-77114/13 IC Client Sample ID:

Date Analyzed: 03/09/11 19:38 Lab File ID: A6492.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Iodomethane	2.99	Assign Peak	hallj	03/09/11 20:01
Acetonitrile	3.13	Assign Peak	hallj	03/09/11 20:01
Isopropyl ether	4.01	Assign Peak	hallj	03/09/11 20:01
2,2-Dichloropropane	4.49	Assign Peak	hallj	03/09/11 20:01
1,3-Butadiene	4.54	Assign Peak	hallj	03/09/11 20:01
Propionitrile	4.54	Assign Peak	hallj	03/09/11 20:01

Lab Sample ID: LCS 510-77114/14 Client Sample ID:

Date Analyzed: 03/09/11 20:14 Lab File ID: A6493.D GC Column: 624/8260 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Vinyl acetate	3.98	Assign Peak	hallj	03/09/11 20:36

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 75445

Lab Sample ID: SSTD005 510-75445/2 IC Client Sample ID:

Date Analyzed: 02/03/11 11:05 Lab File ID: D7331.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.36	Assign Peak	squiresb	02/04/11 15:20
Benzoic acid	4.51	Assign Peak	squiresb	02/03/11 11:25
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 12:21

Lab Sample ID: SSTD010 510-75445/3 IC Client Sample ID:

Date Analyzed: 02/03/11 11:24 Lab File ID: D7332.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.36	Split Peak	squiresb	02/04/11 15:20
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 11:58

Lab Sample ID: SSTD020 510-75445/4 IC Client Sample ID:

Date Analyzed: 02/03/11 11:42 Lab File ID: D7333.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.36	Baseline	squiresb	02/04/11 15:21
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 11:59
Benzo[a]anthracene	10.13	Assign Peak	squiresb	02/03/11 11:59

Lab Sample ID: SSTD030 510-75445/5 IC Client Sample ID:

Date Analyzed: 02/03/11 12:01 Lab File ID: D7334.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.36	Analyst error	squiresb	02/04/11 15:21
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 12:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 75445

Lab Sample ID: SSTD040 510-75445/6 IC Client Sample ID:

Date Analyzed: 02/03/11 12:19 Lab File ID: D7335.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.36	Assign Peak	squiresb	02/04/11 15:21
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 12:35

Lab Sample ID: SSTD050 510-75445/7 Client Sample ID:

Date Analyzed: 02/03/11 12:37 Lab File ID: D7336.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.37	Other	squiresb	02/04/11 15:21
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 13:19

Lab Sample ID: SSTD060 510-75445/8 IC Client Sample ID:

Date Analyzed: 02/03/11 12:56 Lab File ID: D7337.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroethyl)ether	3.37	Assign Peak	squiresb	02/04/11 15:21
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 13:21

Lab Sample ID: SSTD080 510-75445/9 IC Client Sample ID:

Date Analyzed: 02/03/11 13:14 Lab File ID: D7338.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.73	Assign Peak	squiresb	02/03/11 13:50
Phenol	3.28	Assign Peak	squiresb	02/03/11 13:50
Bis(2-chloroethyl)ether	3.37	Analyst error	squiresb	02/04/11 15:22
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 13:50
Chrysene	10.16	Assign Peak	squiresb	02/03/11 13:50

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 75445

Lab Sample ID: SSTD100 510-75445/10 IC Client Sample ID:

Date Analyzed: 02/03/11 13:33 Lab File ID: D7339.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.73	Assign Peak	squiresb	02/03/11 14:10
Bis(2-chloroethyl)ether	3.37	Assign Peak	squiresb	02/04/11 15:22
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 14:10

Lab Sample ID: SSTD120 510-75445/11 IC Client Sample ID:

Date Analyzed: 02/03/11 13:51 Lab File ID: D7340.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Pyridine	1.73	Assign Peak	squiresb	02/03/11 14:13
Aniline	3.33	Assign Peak	squiresb	02/03/11 14:13
Bis(2-chloroethyl)ether	3.37	Baseline	squiresb	02/04/11 15:23
4-Chlorophenol	4.75	Assign Peak	squiresb	02/03/11 14:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 77240

Lab Sample ID: SSTD050 510-77240/2 Client Sample ID:

Date Analyzed: 03/11/11 10:07 Lab File ID: D7701.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dioxane	0.75	Peak Tail	squiresb	03/11/11 10:27
Aniline	2.38	Assign Peak	squiresb	03/11/11 10:27
Bis(2-chloroisopropyl) ether	2.92	Assign Peak	squiresb	03/11/11 10:27
Acetophenone	3.01	Assign Peak	squiresb	03/11/11 10:27
4-Chlorophenol	3.83	Assign Peak	squiresb	03/11/11 10:27
2-Methylnaphthalene	4.45	Assign Peak	squiresb	03/11/11 10:27
2,4,5-Trichlorophenol	4.77	Assign Peak	squiresb	03/11/11 10:27
1,1'-Biphenyl	4.91	Assign Peak	squiresb	03/11/11 10:27
Dimethyl phthalate	5.25	Assign Peak	squiresb	03/11/11 10:27
4-Nitrophenol	5.64	Assign Peak	squiresb	03/11/11 10:27
1,2-Diphenylhydrazine	6.16	Assign Peak	squiresb	03/11/11 10:27
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 10:27
Phenanthrene	7.02	Assign Peak	squiresb	03/11/11 10:27
Anthracene	7.07	Assign Peak	squiresb	03/11/11 10:27
Carbazole	7.26	Assign Peak	squiresb	03/11/11 10:27
Benzidine	8.26	Assign Peak	squiresb	03/11/11 10:27
Chrysene-d12	9.20	Baseline	squiresb	03/11/11 10:27
Benzo[k]fluoranthene	9.95	Baseline	squiresb	03/11/11 10:27
Benzo[a]pyrene	10.13	Baseline	squiresb	03/11/11 10:27
Perylene-d12	10.17	Baseline	squiresb	03/11/11 10:27

Lab Sample ID: MB 510-77007/1-A Client Sample ID:

Date Analyzed: 03/11/11 12:30 Lab File ID: D7709.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 13:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 77240

Lab Sample ID: LCS 510-77007/2-A Client Sample ID:

Date Analyzed: 03/11/11 12:47 Lab File ID: D7710.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroisopropyl) ether	2.92	Assign Peak	squiresb	03/11/11 13:40
2-Methylnaphthalene	4.45	Assign Peak	squiresb	03/11/11 13:40
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 13:40

Lab Sample ID: 510-62781-1 Client Sample ID: SB0058:TP1:000020

Date Analyzed: 03/11/11 13:05 Lab File ID: D7711.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.20	Split Peak	squiresb	03/11/11 13:42

Lab Sample ID: 510-62781-1 MS Client Sample ID: SB0058:TP1:000020 MS

Date Analyzed: 03/11/11 13:23 Lab File ID: D7712.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroisopropyl) ether	2.92	Assign Peak	squiresb	03/11/11 13:44
2-Methylnaphthalene	4.45	Assign Peak	squiresb	03/11/11 13:44
4-Nitrophenol	5.64	Assign Peak	squiresb	03/11/11 13:44
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 13:44

Lab Sample ID: 510-62781-1 MSD Client Sample ID: SB0058:TP1:000020 MSD

Date Analyzed: 03/11/11 13:41 Lab File ID: D7713.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Bis(2-chloroisopropyl) ether	2.92	Assign Peak	squiresb	03/11/11 14:00
2-Methylnaphthalene	4.45	Assign Peak	squiresb	03/11/11 14:00
4-Nitrophenol	5.64	Assign Peak	squiresb	03/11/11 14:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Analysis Batch Number: 77240

Lab Sample ID: 510-62781-2 Client Sample ID: SB0058:TP1:040050

Date Analyzed: 03/11/11 13:59 Lab File ID: D7714.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 14:13

Lab Sample ID: 510-62781-3 Client Sample ID: SB0058:TP2:000020

Date Analyzed: 03/11/11 14:17 Lab File ID: D7715.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.20	Assign Peak	squiresb	03/11/11 14:40

Lab Sample ID: 510-62781-4 Client Sample ID: SB0058:TP2:040050

Date Analyzed: 03/11/11 14:35 Lab File ID: D7716.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,6-Tribromophenol	6.20	Other	squiresb	03/11/11 15:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 76981

Lab Sample ID: IC 510-76981/3 Client Sample ID:

Date Analyzed: 03/07/11 12:07 Lab File ID: C3722.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.62	Assign Peak	squiresb	03/07/11 14:18
Benzo[a]anthracene	8.81	Assign Peak	squiresb	03/07/11 14:18
Chrysene	8.83	Assign Peak	squiresb	03/07/11 14:18
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:18
Benzo[k]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:18
Benzo[a]pyrene	9.89	Assign Peak	squiresb	03/07/11 14:18
Indeno[1,2,3-cd]pyrene	10.59	Assign Peak	squiresb	03/07/11 14:18
Dibenz(a,h)anthracene	10.64	Assign Peak	squiresb	03/07/11 14:18
Benzo[g,h,i]perylene	10.73	Assign Peak	squiresb	03/07/11 14:18

Lab Sample ID: IC 510-76981/4 Client Sample ID:

Date Analyzed: 03/07/11 12:25 Lab File ID: C3723.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:19
Benzo[a]anthracene	8.80	Assign Peak	squiresb	03/07/11 14:19
Chrysene-d12	8.81	Assign Peak	squiresb	03/07/11 14:19
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:19
Benzo[k]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:19
Indeno[1,2,3-cd]pyrene	10.59	Assign Peak	squiresb	03/07/11 14:19
Dibenz(a,h)anthracene	10.63	Assign Peak	squiresb	03/07/11 14:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 76981

Lab Sample ID: IC 510-76981/5 Client Sample ID:

Date Analyzed: 03/07/11 12:43 Lab File ID: C3724.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:19
Anthracene	5.81	Assign Peak	squiresb	03/07/11 14:19
Benzo[a]anthracene	8.80	Assign Peak	squiresb	03/07/11 14:19
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:19
Benzo[k]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:19

Lab Sample ID: IC 510-76981/6 Client Sample ID:

Date Analyzed: 03/07/11 13:01 Lab File ID: C3725.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:20
Benzo[a]anthracene	8.80	Assign Peak	squiresb	03/07/11 14:20
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:20
Benzo[k]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:20
Dibenz(a,h)anthracene	10.63	Assign Peak	squiresb	03/07/11 14:20

Lab Sample ID: IC 510-76981/7 Client Sample ID:

Date Analyzed: 03/07/11 13:19 Lab File ID: C3726.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.62	Assign Peak	squiresb	03/07/11 14:21
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:21
Benzo[k]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:21
Indeno[1,2,3-cd]pyrene	10.59	Assign Peak	squiresb	03/07/11 14:21
Dibenz(a,h)anthracene	10.63	Assign Peak	squiresb	03/07/11 14:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 76981

Lab Sample ID: IC 510-76981/8 ICIS Client Sample ID:

Date Analyzed: 03/07/11 13:38 Lab File ID: C3727.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:22
Benzo[b]fluoranthene	9.69	Assign Peak	squiresb	03/07/11 14:22
Benzo[k]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:22
Dibenz(a,h)anthracene	10.63	Assign Peak	squiresb	03/07/11 14:22

Lab Sample ID: IC 510-76981/9 Client Sample ID:

Date Analyzed: 03/07/11 13:56 Lab File ID: C3728.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:23
Nitrobenzene-d5	1.08	Assign Peak	squiresb	03/07/11 14:23
Benzo[a]anthracene	8.81	Assign Peak	squiresb	03/07/11 14:23
Chrysene	8.85	Assign Peak	squiresb	03/07/11 14:23
Benzo[b]fluoranthene	9.70	Assign Peak	squiresb	03/07/11 14:23
Benzo[k]fluoranthene	9.71	Assign Peak	squiresb	03/07/11 14:23
Benzo[a]pyrene	9.90	Assign Peak	squiresb	03/07/11 14:23
Indeno[1,2,3-cd]pyrene	10.61	Assign Peak	squiresb	03/07/11 14:23
Dibenz(a,h)anthracene	10.64	Assign Peak	squiresb	03/07/11 14:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 76981

Lab Sample ID: IC 510-76981/10 Client Sample ID:

Date Analyzed: 03/07/11 14:14 Lab File ID: C3729.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	0.63	Assign Peak	squiresb	03/07/11 14:31
Fluoranthene	7.11	Baseline	squiresb	03/07/11 14:31
Pyrene	7.34	Baseline	squiresb	03/07/11 14:31
Chrysene	8.86	Assign Peak	squiresb	03/07/11 14:31
Benzo[b]fluoranthene	9.71	Assign Peak	squiresb	03/07/11 14:31
Benzo[k]fluoranthene	9.72	Assign Peak	squiresb	03/07/11 14:31
Perylene-d12	9.95	Assign Peak	squiresb	03/07/11 14:31
Indeno[1,2,3-cd]pyrene	10.62	Assign Peak	squiresb	03/07/11 14:31
Dibenz(a,h)anthracene	10.65	Assign Peak	squiresb	03/07/11 14:31

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 77268

Lab Sample ID: SSTD020 510-77268/3 Client Sample ID:

Date Analyzed: 03/11/11 14:07 Lab File ID: C3802.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Nitrobenzene-d5	0.82	Assign Peak	squiresb	03/11/11 14:22
Anthracene	5.52	Assign Peak	squiresb	03/11/11 16:19
Fluoranthene	6.77	Assign Peak	squiresb	03/11/11 14:22
Benzo[b]fluoranthene	9.44	Assign Peak	squiresb	03/11/11 14:22
Benzo[k]fluoranthene	9.45	Assign Peak	squiresb	03/11/11 14:22
Benzo[a]pyrene	9.64	Assign Peak	squiresb	03/11/11 14:22
Indeno[1,2,3-cd]pyrene	10.34	Assign Peak	squiresb	03/11/11 14:22
Dibenz(a,h)anthracene	10.39	Assign Peak	squiresb	03/11/11 14:22
Benzo[g,h,i]perylene	10.47	Assign Peak	squiresb	03/11/11 14:22

Lab Sample ID: LCS 510-77007/2-A Client Sample ID:

Date Analyzed: 03/11/11 16:32 Lab File ID: C3810.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:01
Benzo[k]fluoranthene	9.46	Assign Peak	squiresb	03/14/11 09:01
Indeno[1,2,3-cd]pyrene	10.35	Assign Peak	squiresb	03/14/11 09:01
Dibenz(a,h)anthracene	10.40	Assign Peak	squiresb	03/14/11 09:01

Lab Sample ID: 510-62781-1 Client Sample ID: SB0058:TP1:000020

Date Analyzed: 03/11/11 17:08 Lab File ID: C3812.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	8.58	Assign Peak	squiresb	03/14/11 09:03
Benzo[b]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:03
Benzo[k]fluoranthene	9.46	Assign Peak	squiresb	03/14/11 09:03
Perylene-d12	9.70	Assign Peak	squiresb	03/14/11 09:03

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 77268

Lab Sample ID: 510-62781-1 MS Client Sample ID: SB0058:TP1:000020 MS

Date Analyzed: 03/11/11 17:25 Lab File ID: C3813.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:04
Benzo[k]fluoranthene	9.46	Assign Peak	squiresb	03/14/11 09:04
Indeno[1,2,3-cd]pyrene	10.35	Assign Peak	squiresb	03/14/11 09:04
Dibenz(a,h)anthracene	10.40	Assign Peak	squiresb	03/14/11 09:04

Lab Sample ID: 510-62781-1 MSD Client Sample ID: SB0058:TP1:000020 MSD

Date Analyzed: 03/11/11 17:43 Lab File ID: C3814.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:05
Benzo[k]fluoranthene	9.46	Assign Peak	squiresb	03/14/11 09:05
Indeno[1,2,3-cd]pyrene	10.35	Assign Peak	squiresb	03/14/11 09:05
Dibenz(a,h)anthracene	10.40	Assign Peak	squiresb	03/14/11 09:05

Lab Sample ID: 510-62781-3 Client Sample ID: SB0058:TP2:000020

Date Analyzed: 03/11/11 18:19 Lab File ID: C3816.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	8.53	Assign Peak	squiresb	03/14/11 09:07
Benzo[b]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:07
Benzo[k]fluoranthene	9.45	Assign Peak	squiresb	03/14/11 09:07

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Analysis Batch Number: 77355

Lab Sample ID: SSTD020 510-77355/3 Client Sample ID:

Date Analyzed: 03/14/11 13:21 Lab File ID: C3822.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perylene-d12	9.68	Assign Peak	squiresb	03/14/11 15:23
Dibenz(a,h)anthracene	10.39	Assign Peak	squiresb	03/14/11 15:23

Lab Sample ID: 510-62781-1 Client Sample ID:

Date Analyzed: 03/14/11 13:38 Lab File ID: C3823.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perylene-d12	9.70	Assign Peak	squiresb	03/14/11 15:23

Lab Sample ID: 510-62781-3 Client Sample ID:

Date Analyzed: 03/14/11 13:56 Lab File ID: C3824.D GC Column: 8270/625 ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Perylene-d12	9.70	Baseline	squiresb	03/14/11 15:24

GASOLINE RANGE ORGANICS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Instrument ID: INST13-14 Analysis Batch Number: 107159

Lab Sample ID: 510-62781-3 Client Sample ID: SB0058:TP2:000020

Date Analyzed: 03/09/11 09:34 Lab File ID: 03091114_009.d GC Column: DB624 ID: 0.2(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
C5-C12	14.65	Baseline Smoothing	estesw	03/10/11 01:04

SAMPLE SUMMARY

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
510-62781-1	SB0058:TP1:000020	Solid	03/03/2011 1015	03/03/2011 1610
510-62781-1MS	SB0058:TP1:000020	Solid	03/03/2011 1015	03/03/2011 1610
510-62781-1MSD	SB0058:TP1:000020	Solid	03/03/2011 1015	03/03/2011 1610
510-62781-2	SB0058:TP1:040050	Solid	03/03/2011 1020	03/03/2011 1610
510-62781-3	SB0058:TP2:000020	Solid	03/03/2011 1040	03/03/2011 1610
510-62781-4	SB0058:TP2:040050	Solid	03/03/2011 1050	03/03/2011 1610
510-62781-5	SB0058: FIELD DUPLICATE	Solid	03/03/2011 1030	03/03/2011 1610
510-62781-6	Trip Blank	Water	03/03/2011 1100	03/03/2011 1610
510-62781-7	Sodium Biosulfate/Methanol Blank	Solid	03/03/2011 0000	03/03/2011 1610

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
510-62781-1	**SB0058:TP1:000020**					
Acetone		0.070		0.014	mg/Kg	8260B
Acenaphthene		0.097		0.022	mg/Kg	8270C SIM
Anthracene		0.38		0.022	mg/Kg	8270C SIM
Benzo[a]anthracene		1.4		0.022	mg/Kg	8270C SIM
Benzo[a]pyrene		0.84		0.022	mg/Kg	8270C SIM
Benzo[b]fluoranthene		0.77		0.022	mg/Kg	8270C SIM
Benzo[g,h,i]perylene		0.60		0.022	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.93		0.022	mg/Kg	8270C SIM
Chrysene		1.5		0.022	mg/Kg	8270C SIM
Dibenz(a,h)anthracene		0.21		0.022	mg/Kg	8270C SIM
Fluoranthene		1.9		0.022	mg/Kg	8270C SIM
Pyrene		2.6		0.022	mg/Kg	8270C SIM
Fluorene		0.12		0.022	mg/Kg	8270C SIM
Indeno[1,2,3-cd]pyrene		0.54		0.022	mg/Kg	8270C SIM
Naphthalene		0.070		0.022	mg/Kg	8270C SIM
Phenanthrene		1.4		0.022	mg/Kg	8270C SIM
C5-C12		0.028		0.017	mg/Kg	8015B
C8-C36		65		23	mg/Kg	8015B
Arsenic		4.4		0.56	mg/Kg	6020
Barium		120		0.14	mg/Kg	6020
Chromium		9.1	^	0.42	mg/Kg	6020
Copper		23		1.1	mg/Kg	6020
Lead		140		0.28	mg/Kg	6020
Nickel		14		0.28	mg/Kg	6020
Selenium		0.50		0.28	mg/Kg	6020
Mercury		0.086		0.022	mg/Kg	7471A
Percent Moisture		12		0.10	%	Moisture
Percent Solids		88		0.10	%	Moisture
510-62781-2	**SB0058:TP1:040050**					
Acetone		0.031		0.013	mg/Kg	8260B
C5-C12		0.039		0.020	mg/Kg	8015B
Arsenic		2.1		0.55	mg/Kg	6020
Barium		40		0.14	mg/Kg	6020
Chromium		9.8		0.82	mg/Kg	6020
Copper		4.7		1.1	mg/Kg	6020
Lead		7.2		0.27	mg/Kg	6020
Nickel		6.6	^	0.27	mg/Kg	6020
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Lab Sample ID / Analyte	Client Sample ID	Result / Qualifier		Reporting Limit	Units	Method
510-62781-3	**SB0058:TP2:000020**					
Acetone		0.054		0.014	mg/Kg	8260B
Acenaphthylene		0.032		0.023	mg/Kg	8270C SIM
Anthracene		0.12		0.023	mg/Kg	8270C SIM
Benzo[a]anthracene		0.37		0.023	mg/Kg	8270C SIM
Benzo[a]pyrene		0.84		0.023	mg/Kg	8270C SIM
Benzo[b]fluoranthene		0.73		0.023	mg/Kg	8270C SIM
Benzo[g,h,i]perylene		0.38		0.023	mg/Kg	8270C SIM
Benzo[k]fluoranthene		0.69		0.023	mg/Kg	8270C SIM
Chrysene		0.64		0.023	mg/Kg	8270C SIM
Dibenz(a,h)anthracene		0.16		0.023	mg/Kg	8270C SIM
Fluoranthene		0.28		0.023	mg/Kg	8270C SIM
Pyrene		0.35		0.023	mg/Kg	8270C SIM
Fluorene		0.024		0.023	mg/Kg	8270C SIM
Indeno[1,2,3-cd]pyrene		0.38		0.023	mg/Kg	8270C SIM
Phenanthrene		0.15		0.023	mg/Kg	8270C SIM
C5-C12		0.22		0.019	mg/Kg	8015B
Arsenic		3.6		0.57	mg/Kg	6020
Barium		64		0.14	mg/Kg	6020
Cadmium		0.38		0.28	mg/Kg	6020
Chromium		8.0	^	0.42	mg/Kg	6020
Copper		13		1.1	mg/Kg	6020
Lead		50		0.28	mg/Kg	6020
Nickel		9.1	^	0.28	mg/Kg	6020
Mercury		0.067		0.022	mg/Kg	7471A
Percent Moisture		13		0.10	%	Moisture
Percent Solids		87		0.10	%	Moisture
510-62781-4	**SB0058:TP2:040050**					
Acetone		0.034		0.013	mg/Kg	8260B
C5-C12		0.024		0.018	mg/Kg	8015B
Arsenic		2.3		0.54	mg/Kg	6020
Barium		28		0.14	mg/Kg	6020
Chromium		8.5	^	0.41	mg/Kg	6020
Copper		4.4		1.1	mg/Kg	6020
Lead		6.1		0.27	mg/Kg	6020
Nickel		7.5	^	0.27	mg/Kg	6020
Percent Moisture		8.8		0.10	%	Moisture
Percent Solids		91		0.10	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Lab Sample ID / Analyte	Client Sample ID / Result / Qualifier		Reporting Limit	Units	Method
510-62781-5	**SB0058: FIELD DUPLICATE**				
Acetone	0.027		0.013	mg/Kg	8260B
C5-C12	0.026		0.019	mg/Kg	8015B
Arsenic	2.0		0.54	mg/Kg	6020
Barium	25		0.14	mg/Kg	6020
Chromium	8.8		0.82	mg/Kg	6020
Copper	3.8		1.1	mg/Kg	6020
Lead	5.0		0.27	mg/Kg	6020
Nickel	6.6	^	0.27	mg/Kg	6020
Percent Moisture	8.4		0.10	%	Moisture
Percent Solids	92		0.10	%	Moisture

METHOD SUMMARY

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

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
Semivolatile Organic Compounds (GC/MS)	TAL VAL	SW846 8270C	
Automated Soxhlet Extraction	TAL VAL		SW846 3541
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
Metals (ICP/MS)	TAL VAL	SW846 6020	
Preparation, Metals	TAL VAL		SW846 3050B
Mercury (CVAA)	TAL VAL	SW846 7471A	
Preparation, Mercury	TAL VAL		SW846 7471A
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: 510-62781-1

Method	Analyst	Analyst ID
SW846 8260B	Hall, Jennifer L	JLH
SW846 8260B	Hobart, Wes E	WEH
SW846 8270C	Squires, William D	WDS
SW846 8270C SIM	Squires, William D	WDS
SW846 8015B	Estes, William R	WRE
SW846 8015B	Ivers, Catherine L	CLI
SW846 6020	Tharpe, Matt	MT
SW846 6020	Thomas, Deidra	DT
SW846 7471A	Puschel, Hans W	HWP
EPA Moisture	Hall, Jennifer L	JLH

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8116.D
Dilution:	1.0			Initial Weight/Volume:	31.880 g
Date Analyzed:	03/08/2011 1945			Final Weight/Volume:	38.4478 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.070		0.014
Acrolein		<0.27		0.27
Benzene		<0.0068	*	0.0068
Bromodichloromethane		<0.0068		0.0068
Bromoform		<0.0068		0.0068
Bromomethane		<0.0068		0.0068
Carbon disulfide		<0.0068		0.0068
Carbon tetrachloride		<0.0068		0.0068
Chlorobenzene		<0.0068		0.0068
Chlorodibromomethane		<0.0068		0.0068
Chloroethane		<0.0068		0.0068
Chloroform		<0.0068		0.0068
Chloromethane		<0.0068		0.0068
cis-1,2-Dichloroethylene		<0.0068		0.0068
cis-1,3-Dichloropropene		<0.0068		0.0068
Cyclohexane		<0.0068	*	0.0068
1,2-Dibromoethane		<0.0068		0.0068
1,1-Dichlorethylene		<0.0068		0.0068
1,1-Dichloroethane		<0.0068		0.0068
1,2-Dichloroethane		<0.0068		0.0068
1,2-Dichloropropane		<0.0068		0.0068
1,3-Dichloropropene, Total		<0.014		0.014
Ethyl acetate		<0.0068		0.0068
Ethylbenzene		<0.0068	*	0.0068
Iodomethane		<0.014	*	0.014
Isopropylbenzene		<0.0068	*	0.0068
Methyl acetate		<0.0068		0.0068
Methyl Butyl Ketone (2-Hexanone)		<0.014		0.014
Methylcyclohexane		<0.0068	*	0.0068
Methylene Chloride		<0.0068		0.0068
Methyl ethyl ketone (MEK)		<0.014		0.014
4-Methyl-2-pentanone (MIBK)		<0.014		0.014
Methyl tert-butyl ether		<0.0068		0.0068
n-Butanol		<0.14		0.14
n-Hexane		<0.0068	*	0.0068
n-Propylbenzene		<0.0068	*	0.0068
Styrene		<0.0068	*	0.0068
1,1,1,2-Tetrachloroethane		<0.0068		0.0068
1,1,2,2-Tetrachloroethane		<0.0068		0.0068
Tetrachloroethylene		<0.0068	*	0.0068
Toluene		<0.0068	*	0.0068
trans-1,2-Dichloroethylene		<0.0068		0.0068
trans-1,3-Dichloropropene		<0.0068		0.0068
1,1,1-Trichloroethane		<0.0068	*	0.0068
1,1,2-Trichloroethane		<0.0068		0.0068
Trichloroethene		<0.0068		0.0068

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 Date Sampled: 03/03/2011 1015
Client Matrix: Solid % Moisture: 11.7 Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8116.D
Dilution:	1.0			Initial Weight/Volume:	31.880 g
Date Analyzed:	03/08/2011 1945			Final Weight/Volume:	38.4478 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0068		0.0068
1,2,4-Trimethylbenzene		<0.0068	*	0.0068
1,3,5-Trimethylbenzene		<0.0068	*	0.0068
Vinyl acetate		<0.0068		0.0068
Vinyl chloride		<0.0068		0.0068
Xylenes, Total		<0.014	*	0.014

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		50 - 150
1,2-Dichloroethane-d4 (Surr)	109		76 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 | Date Sampled: 03/03/2011 1020
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8119.D
Dilution:	1.0			Initial Weight/Volume:	31.842 g
Date Analyzed:	03/08/2011 2128			Final Weight/Volume:	38.4505 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.031		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		<0.0067	*	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: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 Date Sampled: 03/03/2011 1020
Client Matrix: Solid % Moisture: 10.4 Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8119.D
Dilution:	1.0			Initial Weight/Volume:	31.842 g
Date Analyzed:	03/08/2011 2128			Final Weight/Volume:	38.4505 g
Date Prepared:	03/04/2011 0800				

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)	100		50 - 150
1,2-Dichloroethane-d4 (Surr)	106		76 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 | Date Sampled: 03/03/2011 1040
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8120.D
Dilution:	1.0			Initial Weight/Volume:	32.076 g
Date Analyzed:	03/08/2011 2203			Final Weight/Volume:	37.9939 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.054		0.014
Acrolein		<0.27		0.27
Benzene		<0.0068	*	0.0068
Bromodichloromethane		<0.0068		0.0068
Bromoform		<0.0068		0.0068
Bromomethane		<0.0068		0.0068
Carbon disulfide		<0.0068		0.0068
Carbon tetrachloride		<0.0068		0.0068
Chlorobenzene		<0.0068		0.0068
Chlorodibromomethane		<0.0068		0.0068
Chloroethane		<0.0068		0.0068
Chloroform		<0.0068		0.0068
Chloromethane		<0.0068		0.0068
cis-1,2-Dichloroethylene		<0.0068		0.0068
cis-1,3-Dichloropropene		<0.0068		0.0068
Cyclohexane		<0.0068	*	0.0068
1,2-Dibromoethane		<0.0068		0.0068
1,1-Dichlorethylene		<0.0068		0.0068
1,1-Dichloroethane		<0.0068		0.0068
1,2-Dichloroethane		<0.0068		0.0068
1,2-Dichloropropane		<0.0068		0.0068
1,3-Dichloropropene, Total		<0.014		0.014
Ethyl acetate		<0.0068		0.0068
Ethylbenzene		<0.0068	*	0.0068
Iodomethane		<0.014	*	0.014
Isopropylbenzene		<0.0068	*	0.0068
Methyl acetate		<0.0068		0.0068
Methyl Butyl Ketone (2-Hexanone)		<0.014		0.014
Methylcyclohexane		<0.0068	*	0.0068
Methylene Chloride		<0.0068		0.0068
Methyl ethyl ketone (MEK)		<0.014		0.014
4-Methyl-2-pentanone (MIBK)		<0.014		0.014
Methyl tert-butyl ether		<0.0068		0.0068
n-Butanol		<0.14		0.14
n-Hexane		<0.0068	*	0.0068
n-Propylbenzene		<0.0068	*	0.0068
Styrene		<0.0068	*	0.0068
1,1,1,2-Tetrachloroethane		<0.0068		0.0068
1,1,2,2-Tetrachloroethane		<0.0068		0.0068
Tetrachloroethylene		<0.0068	*	0.0068
Toluene		<0.0068	*	0.0068
trans-1,2-Dichloroethylene		<0.0068		0.0068
trans-1,3-Dichloropropene		<0.0068		0.0068
1,1,1-Trichloroethane		<0.0068	*	0.0068
1,1,2-Trichloroethane		<0.0068		0.0068
Trichloroethene		<0.0068		0.0068

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 Date Sampled: 03/03/2011 1040
Client Matrix: Solid % Moisture: 13.1 Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8120.D
Dilution:	1.0			Initial Weight/Volume:	32.076 g
Date Analyzed:	03/08/2011 2203			Final Weight/Volume:	37.9939 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0068		0.0068
1,2,4-Trimethylbenzene		<0.0068	*	0.0068
1,3,5-Trimethylbenzene		<0.0068	*	0.0068
Vinyl acetate		<0.0068		0.0068
Vinyl chloride		<0.0068		0.0068
Xylenes, Total		<0.014	*	0.014

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	115		50 - 150
1,2-Dichloroethane-d4 (Surr)	107		76 - 137
Toluene-d8 (Surr)	94		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8121.D
Dilution:	1.0			Initial Weight/Volume:	31.933 g
Date Analyzed:	03/08/2011 2237			Final Weight/Volume:	38.5246 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.034		0.013
Acrolein		<0.26		0.26
Benzene		<0.0066	*	0.0066
Bromodichloromethane		<0.0066		0.0066
Bromoform		<0.0066		0.0066
Bromomethane		<0.0066		0.0066
Carbon disulfide		<0.0066		0.0066
Carbon tetrachloride		<0.0066		0.0066
Chlorobenzene		<0.0066		0.0066
Chlorodibromomethane		<0.0066		0.0066
Chloroethane		<0.0066		0.0066
Chloroform		<0.0066		0.0066
Chloromethane		<0.0066		0.0066
cis-1,2-Dichloroethylene		<0.0066		0.0066
cis-1,3-Dichloropropene		<0.0066		0.0066
Cyclohexane		<0.0066	*	0.0066
1,2-Dibromoethane		<0.0066		0.0066
1,1-Dichlorethylene		<0.0066		0.0066
1,1-Dichloroethane		<0.0066		0.0066
1,2-Dichloroethane		<0.0066		0.0066
1,2-Dichloropropane		<0.0066		0.0066
1,3-Dichloropropene, Total		<0.013		0.013
Ethyl acetate		<0.0066		0.0066
Ethylbenzene		<0.0066	*	0.0066
Iodomethane		<0.013	*	0.013
Isopropylbenzene		<0.0066	*	0.0066
Methyl acetate		<0.0066		0.0066
Methyl Butyl Ketone (2-Hexanone)		<0.013		0.013
Methylcyclohexane		<0.0066	*	0.0066
Methylene Chloride		<0.0066		0.0066
Methyl ethyl ketone (MEK)		<0.013		0.013
4-Methyl-2-pentanone (MIBK)		<0.013		0.013
Methyl tert-butyl ether		<0.0066		0.0066
n-Butanol		<0.13		0.13
n-Hexane		<0.0066	*	0.0066
n-Propylbenzene		<0.0066	*	0.0066
Styrene		<0.0066	*	0.0066
1,1,1,2-Tetrachloroethane		<0.0066		0.0066
1,1,2,2-Tetrachloroethane		<0.0066		0.0066
Tetrachloroethylene		<0.0066	*	0.0066
Toluene		<0.0066	*	0.0066
trans-1,2-Dichloroethylene		<0.0066		0.0066
trans-1,3-Dichloropropene		<0.0066		0.0066
1,1,1-Trichloroethane		<0.0066	*	0.0066
1,1,2-Trichloroethane		<0.0066		0.0066
Trichloroethene		<0.0066		0.0066

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8121.D
Dilution:	1.0			Initial Weight/Volume:	31.933 g
Date Analyzed:	03/08/2011 2237			Final Weight/Volume:	38.5246 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0066		0.0066
1,2,4-Trimethylbenzene		<0.0066	*	0.0066
1,3,5-Trimethylbenzene		<0.0066	*	0.0066
Vinyl acetate		<0.0066		0.0066
Vinyl chloride		<0.0066		0.0066
Xylenes, Total		<0.013	*	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	101		50 - 150
1,2-Dichloroethane-d4 (Surr)	108		76 - 137
Toluene-d8 (Surr)	98		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 | Date Sampled: 03/03/2011 1030
Client Matrix: Solid | % Moisture: 8.4 | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8122.D
Dilution:	1.0			Initial Weight/Volume:	31.903 g
Date Analyzed:	03/08/2011 2312			Final Weight/Volume:	37.7496 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acetone		0.027		0.013
Acrolein		<0.26		0.26
Benzene		<0.0065	*	0.0065
Bromodichloromethane		<0.0065		0.0065
Bromoform		<0.0065		0.0065
Bromomethane		<0.0065		0.0065
Carbon disulfide		<0.0065		0.0065
Carbon tetrachloride		<0.0065		0.0065
Chlorobenzene		<0.0065		0.0065
Chlorodibromomethane		<0.0065		0.0065
Chloroethane		<0.0065		0.0065
Chloroform		<0.0065		0.0065
Chloromethane		<0.0065		0.0065
cis-1,2-Dichloroethylene		<0.0065		0.0065
cis-1,3-Dichloropropene		<0.0065		0.0065
Cyclohexane		<0.0065	*	0.0065
1,2-Dibromoethane		<0.0065		0.0065
1,1-Dichlorethylene		<0.0065		0.0065
1,1-Dichloroethane		<0.0065		0.0065
1,2-Dichloroethane		<0.0065		0.0065
1,2-Dichloropropane		<0.0065		0.0065
1,3-Dichloropropene, Total		<0.013		0.013
Ethyl acetate		<0.0065		0.0065
Ethylbenzene		<0.0065	*	0.0065
Iodomethane		<0.013	*	0.013
Isopropylbenzene		<0.0065	*	0.0065
Methyl acetate		<0.0065		0.0065
Methyl Butyl Ketone (2-Hexanone)		<0.013		0.013
Methylcyclohexane		<0.0065	*	0.0065
Methylene Chloride		<0.0065		0.0065
Methyl ethyl ketone (MEK)		<0.013		0.013
4-Methyl-2-pentanone (MIBK)		<0.013		0.013
Methyl tert-butyl ether		<0.0065		0.0065
n-Butanol		<0.13		0.13
n-Hexane		<0.0065	*	0.0065
n-Propylbenzene		<0.0065	*	0.0065
Styrene		<0.0065	*	0.0065
1,1,1,2-Tetrachloroethane		<0.0065		0.0065
1,1,2,2-Tetrachloroethane		<0.0065		0.0065
Tetrachloroethylene		<0.0065	*	0.0065
Toluene		<0.0065	*	0.0065
trans-1,2-Dichloroethylene		<0.0065		0.0065
trans-1,3-Dichloropropene		<0.0065		0.0065
1,1,1-Trichloroethane		<0.0065	*	0.0065
1,1,2-Trichloroethane		<0.0065		0.0065
Trichloroethene		<0.0065		0.0065

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8122.D
Dilution:	1.0			Initial Weight/Volume:	31.903 g
Date Analyzed:	03/08/2011 2312			Final Weight/Volume:	37.7496 g
Date Prepared:	03/04/2011 0800				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Trichlorofluoromethane		<0.0065		0.0065
1,2,4-Trimethylbenzene		<0.0065	*	0.0065
1,3,5-Trimethylbenzene		<0.0065	*	0.0065
Vinyl acetate		<0.0065		0.0065
Vinyl chloride		<0.0065		0.0065
Xylenes, Total		<0.013	*	0.013

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene (Surr)	99		50 - 150
1,2-Dichloroethane-d4 (Surr)	106		76 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 510-62781-6 | Date Sampled: 03/03/2011 1100
Client Matrix: Water | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method: 8260B | Analysis Batch: 510-77114 | Instrument ID: VMSB
Preparation: 5030B | Lab File ID: A6496.D
Dilution: 1.0 | Initial Weight/Volume: 40 mL
Date Analyzed: 03/09/2011 2153 | Final Weight/Volume: 40 mL
Date Prepared: 03/09/2011 2153

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

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **Trip Blank**

Lab Sample ID: 510-62781-6 | Date Sampled: 03/03/2011 1100
Client Matrix: Water | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77114		Instrument ID:	VMSB
Preparation:	5030B			Lab File ID:	A6496.D
Dilution:	1.0			Initial Weight/Volume:	40 mL
Date Analyzed:	03/09/2011 2153			Final Weight/Volume:	40 mL
Date Prepared:	03/09/2011 2153				

Analyte	Result (mg/L)	Qualifier	RL
n-Propylbenzene	<0.0050		0.0050
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)	101		81 - 126
Toluene-d8 (Surr)	96		89 - 108
4-Bromofluorobenzene (Surr)	95		77 - 132

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

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

Lab Sample ID: 510-62781-7 | Date Sampled: 03/03/2011 0000
Client Matrix: Solid | Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8123.D
Dilution:	1.0			Initial Weight/Volume:	31.906 g
Date Analyzed:	03/08/2011 2346			Final Weight/Volume:	31.9406 g
Date Prepared:	03/04/2011 0800				

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: 510-62781-1

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

Lab Sample ID: 510-62781-7 Date Sampled: 03/03/2011 0000
Client Matrix: Solid Date Received: 03/03/2011 1610

8260B Volatile Organic Compounds (GC/MS)

Method:	8260B	Analysis Batch: 510-77032		Instrument ID:	VMSA
Preparation:	5035	Prep Batch: 510-77047		Lab File ID:	E8123.D
Dilution:	1.0			Initial Weight/Volume:	31.906 g
Date Analyzed:	03/08/2011 2346			Final Weight/Volume:	31.9406 g
Date Prepared:	03/04/2011 0800				

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)	98		50 - 150
1,2-Dichloroethane-d4 (Surr)	110		76 - 137
Toluene-d8 (Surr)	97		70 - 130

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7711.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/11/2011 1305			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.8		1.8
Benzyl alcohol		<0.37		0.37
Bis(2-chloroethoxy)methane		<0.37		0.37
Bis(2-chloroethyl)ether		<0.37		0.37
Bis(2-chloroisopropyl) ether		<0.37		0.37
Bis(2-ethylhexyl) phthalate		<0.73		0.73
4-Bromophenyl phenyl ether		<0.37		0.37
Butyl benzyl phthalate		<0.37		0.37
Carbazole		<0.37		0.37
4-Chloro-3-methylphenol		<0.37		0.37
2-Chloronaphthalene		<0.37		0.37
2-Chlorophenol		<0.37		0.37
4-Chlorophenyl phenyl ether		<0.37		0.37
Dibenzofuran		<0.37		0.37
Dibutylphthalate		<0.37		0.37
1,2-Dichlorobenzene		<0.37		0.37
1,3-Dichlorobenzene		<0.37		0.37
1,4-Dichlorobenzene		<0.37		0.37
3,3'-Dichlorobenzidine		<0.73		0.73
2,4-Dichlorophenol		<0.37		0.37
Diethyl phthalate		<0.37		0.37
2,4-Dimethylphenol		<0.37		0.37
Dimethyl phthalate		<0.37		0.37
4,6-Dinitro-2-methylphenol		<0.73		0.73
2,4-Dinitrophenol		<1.8		1.8
2,4-Dinitrotoluene		<0.37		0.37
2,6-Dinitrotoluene		<0.37		0.37
Di-n-octyl phthalate		<0.37		0.37
Hexachlorobenzene		<0.37		0.37
Hexachloro-1,3-butadiene		<0.37		0.37
Hexachlorocyclopentadiene		<0.37		0.37
Hexachloroethane		<0.37		0.37
Isophorone		<0.37		0.37
2-Methylnaphthalene		<0.37		0.37
2-Methylphenol		<0.37		0.37
3 & 4 Methylphenol		<0.37		0.37
2-Nitroaniline		<0.73		0.73
3-Nitroaniline		<0.73		0.73
4-Nitroaniline		<0.73		0.73
Nitrobenzene		<0.37		0.37
2-Nitrophenol		<0.37		0.37
4-Nitrophenol		<1.8		1.8
N-Nitrosodimethylamine		<0.37		0.37
N-Nitrosodi-n-propylamine		<0.37		0.37
N-Nitrosodiphenylamine		<0.37		0.37
p-Chloroaniline		<0.37		0.37

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 Date Sampled: 03/03/2011 1015
Client Matrix: Solid % Moisture: 11.7 Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7711.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/11/2011 1305			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.73		0.73
Phenol		<0.37		0.37
1,2,4-Trichlorobenzene		<0.37		0.37
2,4,5-Trichlorophenol		<0.37		0.37
2,4,6-Trichlorophenol		<0.37		0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	69		14 - 104
2-Fluorophenol	50		10 - 102
Nitrobenzene-d5	64		10 - 105
Phenol-d5	51		10 - 94
Terphenyl-d14	102		31 - 119
2,4,6-Tribromophenol	86		10 - 128

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 | Date Sampled: 03/03/2011 1020
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7714.D
Dilution:	1.0			Initial Weight/Volume:	30.72 g
Date Analyzed:	03/11/2011 1359			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.8		1.8
Benzyl alcohol		<0.36		0.36
Bis(2-chloroethoxy)methane		<0.36		0.36
Bis(2-chloroethyl)ether		<0.36		0.36
Bis(2-chloroisopropyl) ether		<0.36		0.36
Bis(2-ethylhexyl) phthalate		<0.72		0.72
4-Bromophenyl phenyl ether		<0.36		0.36
Butyl benzyl phthalate		<0.36		0.36
Carbazole		<0.36		0.36
4-Chloro-3-methylphenol		<0.36		0.36
2-Chloronaphthalene		<0.36		0.36
2-Chlorophenol		<0.36		0.36
4-Chlorophenyl phenyl ether		<0.36		0.36
Dibenzofuran		<0.36		0.36
Dibutylphthalate		<0.36		0.36
1,2-Dichlorobenzene		<0.36		0.36
1,3-Dichlorobenzene		<0.36		0.36
1,4-Dichlorobenzene		<0.36		0.36
3,3'-Dichlorobenzidine		<0.72		0.72
2,4-Dichlorophenol		<0.36		0.36
Diethyl phthalate		<0.36		0.36
2,4-Dimethylphenol		<0.36		0.36
Dimethyl phthalate		<0.36		0.36
4,6-Dinitro-2-methylphenol		<0.72		0.72
2,4-Dinitrophenol		<1.8		1.8
2,4-Dinitrotoluene		<0.36		0.36
2,6-Dinitrotoluene		<0.36		0.36
Di-n-octyl phthalate		<0.36		0.36
Hexachlorobenzene		<0.36		0.36
Hexachloro-1,3-butadiene		<0.36		0.36
Hexachlorocyclopentadiene		<0.36		0.36
Hexachloroethane		<0.36		0.36
Isophorone		<0.36		0.36
2-Methylnaphthalene		<0.36		0.36
2-Methylphenol		<0.36		0.36
3 & 4 Methylphenol		<0.36		0.36
2-Nitroaniline		<0.72		0.72
3-Nitroaniline		<0.72		0.72
4-Nitroaniline		<0.72		0.72
Nitrobenzene		<0.36		0.36
2-Nitrophenol		<0.36		0.36
4-Nitrophenol		<1.8		1.8
N-Nitrosodimethylamine		<0.36		0.36
N-Nitrosodi-n-propylamine		<0.36		0.36
N-Nitrosodiphenylamine		<0.36		0.36
p-Chloroaniline		<0.36		0.36

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 Date Sampled: 03/03/2011 1020
Client Matrix: Solid % Moisture: 10.4 Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7714.D
Dilution:	1.0			Initial Weight/Volume:	30.72 g
Date Analyzed:	03/11/2011 1359			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.72		0.72
Phenol		<0.36		0.36
1,2,4-Trichlorobenzene		<0.36		0.36
2,4,5-Trichlorophenol		<0.36		0.36
2,4,6-Trichlorophenol		<0.36		0.36

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	73		14 - 104
2-Fluorophenol	62		10 - 102
Nitrobenzene-d5	71		10 - 105
Phenol-d5	60		10 - 94
Terphenyl-d14	90		31 - 119
2,4,6-Tribromophenol	85		10 - 128

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 | Date Sampled: 03/03/2011 1040
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7715.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/11/2011 1417			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.9		1.9
Benzyl alcohol		<0.37		0.37
Bis(2-chloroethoxy)methane		<0.37		0.37
Bis(2-chloroethyl)ether		<0.37		0.37
Bis(2-chloroisopropyl) ether		<0.37		0.37
Bis(2-ethylhexyl) phthalate		<0.74		0.74
4-Bromophenyl phenyl ether		<0.37		0.37
Butyl benzyl phthalate		<0.37		0.37
Carbazole		<0.37		0.37
4-Chloro-3-methylphenol		<0.37		0.37
2-Chloronaphthalene		<0.37		0.37
2-Chlorophenol		<0.37		0.37
4-Chlorophenyl phenyl ether		<0.37		0.37
Dibenzofuran		<0.37		0.37
Dibutylphthalate		<0.37		0.37
1,2-Dichlorobenzene		<0.37		0.37
1,3-Dichlorobenzene		<0.37		0.37
1,4-Dichlorobenzene		<0.37		0.37
3,3'-Dichlorobenzidine		<0.74		0.74
2,4-Dichlorophenol		<0.37		0.37
Diethyl phthalate		<0.37		0.37
2,4-Dimethylphenol		<0.37		0.37
Dimethyl phthalate		<0.37		0.37
4,6-Dinitro-2-methylphenol		<0.74		0.74
2,4-Dinitrophenol		<1.9		1.9
2,4-Dinitrotoluene		<0.37		0.37
2,6-Dinitrotoluene		<0.37		0.37
Di-n-octyl phthalate		<0.37		0.37
Hexachlorobenzene		<0.37		0.37
Hexachloro-1,3-butadiene		<0.37		0.37
Hexachlorocyclopentadiene		<0.37		0.37
Hexachloroethane		<0.37		0.37
Isophorone		<0.37		0.37
2-Methylnaphthalene		<0.37		0.37
2-Methylphenol		<0.37		0.37
3 & 4 Methylphenol		<0.37		0.37
2-Nitroaniline		<0.74		0.74
3-Nitroaniline		<0.74		0.74
4-Nitroaniline		<0.74		0.74
Nitrobenzene		<0.37		0.37
2-Nitrophenol		<0.37		0.37
4-Nitrophenol		<1.9		1.9
N-Nitrosodimethylamine		<0.37		0.37
N-Nitrosodi-n-propylamine		<0.37		0.37
N-Nitrosodiphenylamine		<0.37		0.37
p-Chloroaniline		<0.37		0.37

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 Date Sampled: 03/03/2011 1040
Client Matrix: Solid % Moisture: 13.1 Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7715.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/11/2011 1417			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.74		0.74
Phenol		<0.37		0.37
1,2,4-Trichlorobenzene		<0.37		0.37
2,4,5-Trichlorophenol		<0.37		0.37
2,4,6-Trichlorophenol		<0.37		0.37

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	64		14 - 104
2-Fluorophenol	48		10 - 102
Nitrobenzene-d5	62		10 - 105
Phenol-d5	53		10 - 94
Terphenyl-d14	93		31 - 119
2,4,6-Tribromophenol	74		10 - 128

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7716.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	03/11/2011 1435			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.8		1.8
Benzyl alcohol		<0.36		0.36
Bis(2-chloroethoxy)methane		<0.36		0.36
Bis(2-chloroethyl)ether		<0.36		0.36
Bis(2-chloroisopropyl) ether		<0.36		0.36
Bis(2-ethylhexyl) phthalate		<0.71		0.71
4-Bromophenyl phenyl ether		<0.36		0.36
Butyl benzyl phthalate		<0.36		0.36
Carbazole		<0.36		0.36
4-Chloro-3-methylphenol		<0.36		0.36
2-Chloronaphthalene		<0.36		0.36
2-Chlorophenol		<0.36		0.36
4-Chlorophenyl phenyl ether		<0.36		0.36
Dibenzofuran		<0.36		0.36
Dibutylphthalate		<0.36		0.36
1,2-Dichlorobenzene		<0.36		0.36
1,3-Dichlorobenzene		<0.36		0.36
1,4-Dichlorobenzene		<0.36		0.36
3,3'-Dichlorobenzidine		<0.71		0.71
2,4-Dichlorophenol		<0.36		0.36
Diethyl phthalate		<0.36		0.36
2,4-Dimethylphenol		<0.36		0.36
Dimethyl phthalate		<0.36		0.36
4,6-Dinitro-2-methylphenol		<0.71		0.71
2,4-Dinitrophenol		<1.8		1.8
2,4-Dinitrotoluene		<0.36		0.36
2,6-Dinitrotoluene		<0.36		0.36
Di-n-octyl phthalate		<0.36		0.36
Hexachlorobenzene		<0.36		0.36
Hexachloro-1,3-butadiene		<0.36		0.36
Hexachlorocyclopentadiene		<0.36		0.36
Hexachloroethane		<0.36		0.36
Isophorone		<0.36		0.36
2-Methylnaphthalene		<0.36		0.36
2-Methylphenol		<0.36		0.36
3 & 4 Methylphenol		<0.36		0.36
2-Nitroaniline		<0.71		0.71
3-Nitroaniline		<0.71		0.71
4-Nitroaniline		<0.71		0.71
Nitrobenzene		<0.36		0.36
2-Nitrophenol		<0.36		0.36
4-Nitrophenol		<1.8		1.8
N-Nitrosodimethylamine		<0.36		0.36
N-Nitrosodi-n-propylamine		<0.36		0.36
N-Nitrosodiphenylamine		<0.36		0.36
p-Chloroaniline		<0.36		0.36

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 Date Sampled: 03/03/2011 1050
Client Matrix: Solid % Moisture: 8.8 Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7716.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	03/11/2011 1435			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.71		0.71
Phenol		<0.36		0.36
1,2,4-Trichlorobenzene		<0.36		0.36
2,4,5-Trichlorophenol		<0.36		0.36
2,4,6-Trichlorophenol		<0.36		0.36

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	71		14 - 104
2-Fluorophenol	63		10 - 102
Nitrobenzene-d5	74		10 - 105
Phenol-d5	65		10 - 94
Terphenyl-d14	98		31 - 119
2,4,6-Tribromophenol	82		10 - 128

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 | Date Sampled: 03/03/2011 1030
Client Matrix: Solid | % Moisture: 8.4 | Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7717.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	03/11/2011 1453			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzoic acid		<1.8		1.8
Benzyl alcohol		<0.35		0.35
Bis(2-chloroethoxy)methane		<0.35		0.35
Bis(2-chloroethyl)ether		<0.35		0.35
Bis(2-chloroisopropyl) ether		<0.35		0.35
Bis(2-ethylhexyl) phthalate		<0.71		0.71
4-Bromophenyl phenyl ether		<0.35		0.35
Butyl benzyl phthalate		<0.35		0.35
Carbazole		<0.35		0.35
4-Chloro-3-methylphenol		<0.35		0.35
2-Chloronaphthalene		<0.35		0.35
2-Chlorophenol		<0.35		0.35
4-Chlorophenyl phenyl ether		<0.35		0.35
Dibenzofuran		<0.35		0.35
Dibutylphthalate		<0.35		0.35
1,2-Dichlorobenzene		<0.35		0.35
1,3-Dichlorobenzene		<0.35		0.35
1,4-Dichlorobenzene		<0.35		0.35
3,3'-Dichlorobenzidine		<0.71		0.71
2,4-Dichlorophenol		<0.35		0.35
Diethyl phthalate		<0.35		0.35
2,4-Dimethylphenol		<0.35		0.35
Dimethyl phthalate		<0.35		0.35
4,6-Dinitro-2-methylphenol		<0.71		0.71
2,4-Dinitrophenol		<1.8		1.8
2,4-Dinitrotoluene		<0.35		0.35
2,6-Dinitrotoluene		<0.35		0.35
Di-n-octyl phthalate		<0.35		0.35
Hexachlorobenzene		<0.35		0.35
Hexachloro-1,3-butadiene		<0.35		0.35
Hexachlorocyclopentadiene		<0.35		0.35
Hexachloroethane		<0.35		0.35
Isophorone		<0.35		0.35
2-Methylnaphthalene		<0.35		0.35
2-Methylphenol		<0.35		0.35
3 & 4 Methylphenol		<0.35		0.35
2-Nitroaniline		<0.71		0.71
3-Nitroaniline		<0.71		0.71
4-Nitroaniline		<0.71		0.71
Nitrobenzene		<0.35		0.35
2-Nitrophenol		<0.35		0.35
4-Nitrophenol		<1.8		1.8
N-Nitrosodimethylamine		<0.35		0.35
N-Nitrosodi-n-propylamine		<0.35		0.35
N-Nitrosodiphenylamine		<0.35		0.35
p-Chloroaniline		<0.35		0.35

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

8270C Semivolatile Organic Compounds (GC/MS)

Method:	8270C	Analysis Batch: 510-77240		Instrument ID:	SMSA
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	D7717.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	03/11/2011 1453			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Pentachlorophenol		<0.71		0.71
Phenol		<0.35		0.35
1,2,4-Trichlorobenzene		<0.35		0.35
2,4,5-Trichlorophenol		<0.35		0.35
2,4,6-Trichlorophenol		<0.35		0.35

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	68		14 - 104
2-Fluorophenol	57		10 - 102
Nitrobenzene-d5	67		10 - 105
Phenol-d5	59		10 - 94
Terphenyl-d14	88		31 - 119
2,4,6-Tribromophenol	81		10 - 128

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77268		Instrument ID:	SMSB
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	C3812.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/11/2011 1708			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		0.097		0.022
Acenaphthylene		<0.022		0.022
Anthracene		0.38		0.022
Benzo[a]anthracene		1.4		0.022
Benzo[a]pyrene		0.84		0.022
Benzo[b]fluoranthene		0.77		0.022
Benzo[k]fluoranthene		0.93		0.022
Chrysene		1.5		0.022
Fluoranthene		1.9		0.022
Pyrene		2.6		0.022
Fluorene		0.12		0.022
Naphthalene		0.070		0.022
Phenanthrene		1.4		0.022

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	70		10 - 194
Nitrobenzene-d5	65		10 - 117
2-Fluorobiphenyl	82		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77355		Instrument ID:	SMSB
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	C3823.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/14/2011 1338			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzo[g,h,i]perylene		0.60		0.022
Dibenz(a,h)anthracene		0.21		0.022
Indeno[1,2,3-cd]pyrene		0.54		0.022

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 | Date Sampled: 03/03/2011 1020
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77268	Instrument ID: SMSB
Preparation:	3541	Prep Batch: 510-77007	Lab File ID: C3815.D
Dilution:	1.0		Initial Weight/Volume: 30.72 g
Date Analyzed:	03/11/2011 1801		Final Weight/Volume: 1 mL
Date Prepared:	03/08/2011 0755		Injection Volume: 1 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	70		10 - 194
Nitrobenzene-d5	68		10 - 117
2-Fluorobiphenyl	89		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 | Date Sampled: 03/03/2011 1040
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77268	Instrument ID: SMSB
Preparation:	3541	Prep Batch: 510-77007	Lab File ID: C3816.D
Dilution:	1.0		Initial Weight/Volume: 30.68 g
Date Analyzed:	03/11/2011 1819		Final Weight/Volume: 1 mL
Date Prepared:	03/08/2011 0755		Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Acenaphthene		<0.023		0.023
Acenaphthylene		0.032		0.023
Anthracene		0.12		0.023
Benzo[a]anthracene		0.37		0.023
Benzo[a]pyrene		0.84		0.023
Benzo[b]fluoranthene		0.73		0.023
Benzo[k]fluoranthene		0.69		0.023
Chrysene		0.64		0.023
Fluoranthene		0.28		0.023
Pyrene		0.35		0.023
Fluorene		0.024		0.023
Naphthalene		<0.023		0.023
Phenanthrene		0.15		0.023

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	61		10 - 194
Nitrobenzene-d5	59		10 - 117
2-Fluorobiphenyl	76		16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3
Client Matrix: Solid
% Moisture: 13.1

Date Sampled: 03/03/2011 1040
Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77355		Instrument ID:	SMSB
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	C3824.D
Dilution:	1.0			Initial Weight/Volume:	30.68 g
Date Analyzed:	03/14/2011 1356			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Benzo[g,h,i]perylene		0.38		0.023
Dibenz(a,h)anthracene		0.16		0.023
Indeno[1,2,3-cd]pyrene		0.38		0.023

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77268		Instrument ID:	SMSB
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	C3817.D
Dilution:	1.0			Initial Weight/Volume:	30.43 g
Date Analyzed:	03/11/2011 1837			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Terphenyl-d14	70		10 - 194
Nitrobenzene-d5	68		10 - 117
2-Fluorobiphenyl	86		16 - 110

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

8270C SIM PAHs by GCMS (SIM)

Method:	8270C SIM	Analysis Batch: 510-77268		Instrument ID:	SMSB
Preparation:	3541	Prep Batch: 510-77007		Lab File ID:	C3818.D
Dilution:	1.0			Initial Weight/Volume:	30.59 g
Date Analyzed:	03/11/2011 1855			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			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	64		10 - 194
Nitrobenzene-d5	65		10 - 117
2-Fluorobiphenyl	88		16 - 110

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 500-107159		Instrument ID:	INST13-14
Preparation:	5035	Prep Batch: 500-106942		Initial Weight/Volume:	6.8087 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/09/2011 1118			Injection Volume:	
Date Prepared:	03/03/2011 1015			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.028		0.017

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	80		51 - 117
a,a,a-Trifluorotoluene	102		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 Date Sampled: 03/03/2011 1020
Client Matrix: Solid % Moisture: 10.4 Date Received: 03/03/2011 1610

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 500-107159		Instrument ID:	INST13-14
Preparation:	5035	Prep Batch: 500-106942		Initial Weight/Volume:	5.6813 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/09/2011 0859			Injection Volume:	
Date Prepared:	03/03/2011 1020			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.039		0.020

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	105		51 - 117
a,a,a-Trifluorotoluene	113		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 Date Sampled: 03/03/2011 1040
Client Matrix: Solid % Moisture: 13.1 Date Received: 03/03/2011 1610

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 500-107159		Instrument ID:	INST13-14
Preparation:	5035	Prep Batch: 500-106942		Initial Weight/Volume:	5.9688 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/09/2011 0934			Injection Volume:	
Date Prepared:	03/03/2011 1040			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.22		0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	67		51 - 117
a,a,a-Trifluorotoluene	87		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 Date Sampled: 03/03/2011 1050
Client Matrix: Solid % Moisture: 8.8 Date Received: 03/03/2011 1610

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 500-107159		Instrument ID:	INST13-14
Preparation:	5035	Prep Batch: 500-106942		Initial Weight/Volume:	6.1726 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/09/2011 1009			Injection Volume:	
Date Prepared:	03/03/2011 1050			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.024		0.018

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	93		51 - 117
a,a,a-Trifluorotoluene	101		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

8015B Gasoline Range Organics - (GC)

Method:	8015B	Analysis Batch: 500-107159		Instrument ID:	INST13-14
Preparation:	5035	Prep Batch: 500-106942		Initial Weight/Volume:	5.7901 g
Dilution:	1.0			Final Weight/Volume:	5 mL
Date Analyzed:	03/09/2011 1043			Injection Volume:	
Date Prepared:	03/03/2011 1030			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C5-C12		0.026		0.019

Surrogate	%Rec	Qualifier	Acceptance Limits
4-Bromofluorobenzene	92		51 - 117
a,a,a-Trifluorotoluene	101		64 - 116

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 Date Sampled: 03/03/2011 1015
Client Matrix: Solid % Moisture: 11.7 Date Received: 03/03/2011 1610

8015B Indiana ERO

Method:	8015B	Analysis Batch: 510-76964		Instrument ID:	SGCC
Preparation:	3541	Prep Batch: 510-76980		Initial Weight/Volume:	30.02 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Date Analyzed:	03/07/2011 1636			Injection Volume:	1 uL
Date Prepared:	03/07/2011 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		65		23

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	38		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2
Client Matrix: Solid
% Moisture: 10.4

Date Sampled: 03/03/2011 1020
Date Received: 03/03/2011 1610

8015B Indiana ERO

Method:	8015B	Analysis Batch: 510-76964		Instrument ID:	SGCC
Preparation:	3541	Prep Batch: 510-76980		Initial Weight/Volume:	30.73 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Date Analyzed:	03/07/2011 1813			Injection Volume:	1 uL
Date Prepared:	03/07/2011 1157			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	30		10 - 122

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 Date Sampled: 03/03/2011 1040
Client Matrix: Solid % Moisture: 13.1 Date Received: 03/03/2011 1610

8015B Indiana ERO

Method:	8015B	Analysis Batch: 510-76964		Instrument ID:	SGCC
Preparation:	3541	Prep Batch: 510-76980		Initial Weight/Volume:	30.09 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Date Analyzed:	03/07/2011 1845			Injection Volume:	1 uL
Date Prepared:	03/07/2011 1157			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
C8-C36		<23		23

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	46		10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4
Client Matrix: Solid
% Moisture: 8.8

Date Sampled: 03/03/2011 1050
Date Received: 03/03/2011 1610

8015B Indiana ERO

Method:	8015B	Analysis Batch: 510-76964		Instrument ID:	SGCC
Preparation:	3541	Prep Batch: 510-76980		Initial Weight/Volume:	30.55 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Date Analyzed:	03/07/2011 1917			Injection Volume:	1 uL
Date Prepared:	03/07/2011 1157			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	28		10 - 122

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

8015B Indiana ERO

Method:	8015B	Analysis Batch: 510-76964		Instrument ID:	SGCC
Preparation:	3541	Prep Batch: 510-76980		Initial Weight/Volume:	30.17 g
Dilution:	1.0			Final Weight/Volume:	1 mL
Date Analyzed:	03/07/2011 1948			Injection Volume:	1 uL
Date Prepared:	03/07/2011 1157			Result Type:	PRIMARY

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

Surrogate	%Rec	Qualifier	Acceptance Limits
Decafluorobiphenyl	38		10 - 122

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-77092		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	030811f.csv
Dilution:	5.0			Initial Weight/Volume:	1.0070 g
Date Analyzed:	03/09/2011 1017			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		4.4		0.56
Barium		120		0.14
Cadmium		<0.28		0.28
Chromium		9.1	^	0.42
Nickel		14		0.28
Selenium		0.50		0.28

Method:	6020	Analysis Batch: 510-77574		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	031711e.csv
Dilution:	10			Initial Weight/Volume:	1.0070 g
Date Analyzed:	03/17/2011 1720			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		23		1.1
Lead		140		0.28
Silver		<1.1		1.1

Method:	6020	Analysis Batch: 510-77686		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	031811f.csv
Dilution:	10			Initial Weight/Volume:	1.0070 g
Date Analyzed:	03/18/2011 1928			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Thallium		<0.56		0.56

Method:	6020	Analysis Batch: 510-77824		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	032211c.csv
Dilution:	100			Initial Weight/Volume:	1.0070 g
Date Analyzed:	03/22/2011 1657			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<17		17

7471A Mercury (CVAA)

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 | Date Sampled: 03/03/2011 1015
Client Matrix: Solid | % Moisture: 11.7 | Date Received: 03/03/2011 1610

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-76991		Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-76834		Lab File ID:	030711Hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5234 g
Date Analyzed:	03/07/2011 1409			Final Weight/Volume:	50 mL
Date Prepared:	03/04/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.086		0.022

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 | Date Sampled: 03/03/2011 1020
Client Matrix: Solid | % Moisture: 10.4 | Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Method: 6020 | Analysis Batch: 510-77092 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 030811f.csv
Dilution: 5.0 | Initial Weight/Volume: 1.0144 g
Date Analyzed: 03/09/2011 1040 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		2.1		0.55
Barium		40		0.14
Cadmium		<0.27		0.27
Nickel		6.6	^	0.27
Selenium		<0.27		0.27

Method: 6020 | Analysis Batch: 510-77288 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 031111d.csv
Dilution: 10 | Initial Weight/Volume: 1.0144 g
Date Analyzed: 03/11/2011 2300 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Thallium		<0.55		0.55

Method: 6020 | Analysis Batch: 510-77554 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 031711bb.csv
Dilution: 10 | Initial Weight/Volume: 1.0144 g
Date Analyzed: 03/17/2011 1118 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		4.7		1.1
Lead		7.2		0.27
Silver		<1.1		1.1

Method: 6020 | Analysis Batch: 510-77686 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 031811f.csv
Dilution: 10 | Initial Weight/Volume: 1.0144 g
Date Analyzed: 03/18/2011 1951 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Chromium		9.8		0.82

Method: 6020 | Analysis Batch: 510-77824 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 032211c.csv
Dilution: 100 | Initial Weight/Volume: 1.0144 g
Date Analyzed: 03/22/2011 1710 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

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

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 Date Sampled: 03/03/2011 1020
Client Matrix: Solid % Moisture: 10.4 Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<16		16

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-76991		Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-76834		Lab File ID:	030711Hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5178 g
Date Analyzed:	03/07/2011 1420			Final Weight/Volume:	50 mL
Date Prepared:	03/04/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.022		0.022

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 | Date Sampled: 03/03/2011 1040
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Method:	6020	Analysis Batch: 510-77092		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	030811f.csv
Dilution:	5.0			Initial Weight/Volume:	1.0167 g
Date Analyzed:	03/09/2011 1043			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		3.6		0.57
Barium		64		0.14
Cadmium		0.38		0.28
Chromium		8.0	^	0.42
Nickel		9.1	^	0.28
Selenium		<0.28		0.28

Method:	6020	Analysis Batch: 510-77554		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	031711bb.csv
Dilution:	10			Initial Weight/Volume:	1.0167 g
Date Analyzed:	03/17/2011 1122			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		13		1.1
Lead		50		0.28
Silver		<1.1		1.1

Method:	6020	Analysis Batch: 510-77686		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	031811f.csv
Dilution:	10			Initial Weight/Volume:	1.0167 g
Date Analyzed:	03/18/2011 1955			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Thallium		<0.57		0.57

Method:	6020	Analysis Batch: 510-77824		Instrument ID:	MICPMSA
Preparation:	3050B	Prep Batch: 510-76967		Lab File ID:	032211c.csv
Dilution:	100			Initial Weight/Volume:	1.0167 g
Date Analyzed:	03/22/2011 1715			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<17		17

7471A Mercury (CVAA)

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 | Date Sampled: 03/03/2011 1040
Client Matrix: Solid | % Moisture: 13.1 | Date Received: 03/03/2011 1610

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-76991		Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-76834		Lab File ID:	030711Hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5262 g
Date Analyzed:	03/07/2011 1422			Final Weight/Volume:	50 mL
Date Prepared:	03/04/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		0.067		0.022

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Method: 6020 | Analysis Batch: 510-77092 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 030811f.csv
Dilution: 5.0 | Initial Weight/Volume: 1.0071 g
Date Analyzed: 03/09/2011 1047 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		2.3		0.54
Barium		28		0.14
Cadmium		<0.27		0.27
Chromium		8.5	^	0.41
Nickel		7.5	^	0.27
Selenium		<0.27		0.27

Method: 6020 | Analysis Batch: 510-77554 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 031711bb.csv
Dilution: 10 | Initial Weight/Volume: 1.0071 g
Date Analyzed: 03/17/2011 1125 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		4.4		1.1
Lead		6.1		0.27
Silver		<1.1		1.1

Method: 6020 | Analysis Batch: 510-77686 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 031811f.csv
Dilution: 10 | Initial Weight/Volume: 1.0071 g
Date Analyzed: 03/18/2011 2000 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Thallium		<0.54		0.54

Method: 6020 | Analysis Batch: 510-77824 | Instrument ID: MICPMSA
Preparation: 3050B | Prep Batch: 510-76967 | Lab File ID: 032211c.csv
Dilution: 100 | Initial Weight/Volume: 1.0071 g
Date Analyzed: 03/22/2011 1713 | Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<16		16

7471A Mercury (CVAA)

Client: Weaver Boos Consultants LLC | Job Number: 510-62781-1

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 | Date Sampled: 03/03/2011 1050
Client Matrix: Solid | % Moisture: 8.8 | Date Received: 03/03/2011 1610

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-76991		Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-76834		Lab File ID:	030711Hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5265 g
Date Analyzed:	03/07/2011 1424			Final Weight/Volume:	50 mL
Date Prepared:	03/04/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.021		0.021

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

6020 Metals (ICP/MS)

Method: 6020 Analysis Batch: 510-77092 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-76967 Lab File ID: 030811f.csv
Dilution: 5.0 Initial Weight/Volume: 1.0041 g
Date Analyzed: 03/09/2011 1051 Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Arsenic		2.0		0.54
Barium		25		0.14
Cadmium		<0.27		0.27
Nickel		6.6	^	0.27
Selenium		<0.27		0.27

Method: 6020 Analysis Batch: 510-77554 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-76967 Lab File ID: 031711bb.csv
Dilution: 10 Initial Weight/Volume: 1.0041 g
Date Analyzed: 03/17/2011 1507 Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Copper		3.8		1.1
Lead		5.0		0.27
Silver		<1.1		1.1

Method: 6020 Analysis Batch: 510-77686 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-76967 Lab File ID: 031811f.csv
Dilution: 10 Initial Weight/Volume: 1.0041 g
Date Analyzed: 03/18/2011 2013 Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Chromium		8.8		0.82
Thallium		<0.54		0.54

Method: 6020 Analysis Batch: 510-77824 Instrument ID: MICPMSA
Preparation: 3050B Prep Batch: 510-76967 Lab File ID: 032211c.csv
Dilution: 100 Initial Weight/Volume: 1.0041 g
Date Analyzed: 03/22/2011 1723 Final Weight/Volume: 50 mL
Date Prepared: 03/07/2011 0945

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Antimony		<16		16

7471A Mercury (CVAA)

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid % Moisture: 8.4 Date Received: 03/03/2011 1610

7471A Mercury (CVAA)

Method:	7471A	Analysis Batch: 510-76991		Instrument ID:	MHGC
Preparation:	7471A	Prep Batch: 510-76834		Lab File ID:	030711Hg.PRN
Dilution:	1.0			Initial Weight/Volume:	0.5141 g
Date Analyzed:	03/07/2011 1426			Final Weight/Volume:	50 mL
Date Prepared:	03/04/2011 1330				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	RL
Mercury		<0.021		0.021

General Chemistry

Client Sample ID: **SB0058:TP1:000020**

Lab Sample ID: 510-62781-1 Date Sampled: 03/03/2011 1015
Client Matrix: Solid Date Received: 03/03/2011 1610

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	12		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N
Percent Solids	88		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB0058:TP1:040050**

Lab Sample ID: 510-62781-2 Date Sampled: 03/03/2011 1020
Client Matrix: Solid Date Received: 03/03/2011 1610

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	10		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N
Percent Solids	90		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB0058:TP2:000020**

Lab Sample ID: 510-62781-3 Date Sampled: 03/03/2011 1040
Client Matrix: Solid Date Received: 03/03/2011 1610

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	13		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N
Percent Solids	87		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB0058:TP2:040050**

Lab Sample ID: 510-62781-4 Date Sampled: 03/03/2011 1050
Client Matrix: Solid Date Received: 03/03/2011 1610

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.8		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N
Percent Solids	91		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N

General Chemistry

Client Sample ID: **SB0058: FIELD DUPLICATE**

Lab Sample ID: 510-62781-5 Date Sampled: 03/03/2011 1030
Client Matrix: Solid Date Received: 03/03/2011 1610

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Moisture	8.4		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N
Percent Solids	92		%	0.10	1.0	Moisture
Analysis Batch: 510-76924	Date Analyzed: 03/05/2011 1745					DryWt Corrected: N

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-62781-1	SB0058:TP1:000020	109	97	101
510-62781-2	SB0058:TP1:040050	106	97	100
510-62781-3	SB0058:TP2:000020	107	94	115
510-62781-4	SB0058:TP2:040050	108	98	101
510-62781-5	SB0058: FIELD DUPLICATE	106	97	99
510-62781-7	Sodium Biosulfate/Methanol Blank	110	97	98
MB 510-77032/11		90	86	102
LCS 510-77032/12		101	100	105
510-62781-1 MS	SB0058:TP1:000020 MS	110	98	100
510-62781-1 MSD	SB0058:TP1:000020 MSD	107	100	100

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: 510-62781-1

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
510-62781-6	Trip Blank	101	96	95
MB 510-77114/16		104	97	101
LCS 510-77114/14		104	99	102

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: 510-62781-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
510-62781-1	SB0058:TP1:000020	50	51	64	69	86	102
510-62781-2	SB0058:TP1:040050	62	60	71	73	85	90
510-62781-3	SB0058:TP2:000020	48	53	62	64	74	93
510-62781-4	SB0058:TP2:040050	63	65	74	71	82	98
510-62781-5	SB0058: FIELD DUPLICATE	57	59	67	68	81	88
MB 510-77007/1-A		59	61	66	68	80	96
LCS 510-77007/2-A		59	65	72	69	94	95
510-62781-1 MS	SB0058:TP1:000020 MS	51	58	67	69	83	98
510-62781-1 MSD	SB0058:TP1:000020 MSD	56	61	69	66	80	93

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol	10-102
PHL = Phenol-d5	10-94
NBZ = Nitrobenzene-d5	10-105
FBP = 2-Fluorobiphenyl	14-104
TBP = 2,4,6-Tribromophenol	10-128
TPH = Terphenyl-d14	31-119

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Surrogate Recovery Report

8270C SIM PAHs by GCMS (SIM)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	NBZ %Rec	FBP %Rec	TPH %Rec
510-62781-1	SB0058:TP1:000020	65	82	70
510-62781-2	SB0058:TP1:040050	68	89	70
510-62781-3	SB0058:TP2:000020	59	76	61
510-62781-4	SB0058:TP2:040050	68	86	70
510-62781-5	SB0058: FIELD DUPLICATE	65	88	64
MB 510-77007/1-A		64	79	71
LCS 510-77007/2-A		69	67	74
510-62781-1 MS	SB0058:TP1:000020 MS	64	59	73
510-62781-1 MSD	SB0058:TP1:000020 MSD	65	57	65

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: 510-62781-1

Surrogate Recovery Report

8015B Indiana ERO

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBP1 %Rec
510-62781-1	SB0058:TP1:000020	38
510-62781-2	SB0058:TP1:040050	30
510-62781-3	SB0058:TP2:000020	46
510-62781-4	SB0058:TP2:040050	28
510-62781-5	SB0058: FIELD DUPLICATE	38
MB 510-76980/1-A		49
LCS 510-76980/2-A		69
510-62781-1 MS	SB0058:TP1:000020 MS	46
510-62781-1 MSD	SB0058:TP1:000020 MSD	43

Surrogate	Acceptance Limits
DBP = Decafluorobiphenyl	10-122

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Surrogate Recovery Report

8015B Gasoline Range Organics - (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec	BFB1 %Rec
510-62781-1	SB0058:TP1:000020	102	80
510-62781-2	SB0058:TP1:040050	113	105
510-62781-3	SB0058:TP2:000020	87	67
510-62781-4	SB0058:TP2:040050	101	93
510-62781-5	SB0058: FIELD DUPLICATE	101	92
MB 500-107159/3		108	105
LCS 500-107159/4		106	105
510-62781-1 MS	SB0058:TP1:000020 MS	110	97
510-62781-1 MSD	SB0058:TP1:000020 MSD	116	102

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

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77032

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 510-77032/11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1802
Date Prepared: N/A

Analysis Batch: 510-77032
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8113.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

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

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77032

Method: 8260B
Preparation: N/A

Lab Sample ID: MB 510-77032/11
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1802
Date Prepared: N/A

Analysis Batch: 510-77032
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8113.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	RL
Trichloroethene	<0.0050		0.0050
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
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)	90	76 - 137
Toluene-d8 (Surr)	86	70 - 130
4-Bromofluorobenzene (Surr)	102	50 - 150

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77032

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 510-77032/12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1836
Date Prepared: N/A

Analysis Batch: 510-77032
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8114.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	0.0500	0.0548	110	32 - 171	
Acetone	0.0500	0.0645	129	10 - 196	
Carbon disulfide	0.0500	0.0600	120	33 - 200	
Chloroethane	0.0500	0.0556	111	53 - 139	
Chloromethane	0.0500	0.0463	93	44 - 148	
cis-1,2-Dichloroethylene	0.0500	0.0527	105	81 - 122	
1,1-Dichlorethylene	0.0500	0.0658	132	57 - 149	
Chloroform	0.0500	0.0591	118	77 - 124	
1,1-Dichloroethane	0.0500	0.0610	122	80 - 123	
Cyclohexane	0.0500	0.0791	158	79 - 136	*
1,2-Dichloroethane	0.0500	0.0549	110	72 - 130	
Carbon tetrachloride	0.0500	0.0679	136	70 - 139	
Benzene	0.0500	0.0682	136	81 - 116	*
Iodomethane	0.0500	0.126	251	46 - 191	*
1,2-Dichloropropane	0.0500	0.0595	119	77 - 122	
Bromodichloromethane	0.0500	0.0592	118	72 - 132	
Methyl acetate	0.0500	0.0599	120	36 - 152	
cis-1,3-Dichloropropene	0.0500	0.0633	127	61 - 127	
Methylcyclohexane	0.0500	0.0752	150	78 - 135	*
Methylene Chloride	0.0500	0.0506	101	72 - 131	
Methyl ethyl ketone (MEK)	0.0500	0.0517	103	40 - 164	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0512	102	63 - 133	
Methyl tert-butyl ether	0.0500	0.0577	115	70 - 125	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0586	117	35 - 164	
n-Butanol	0.0500	0.833	1666		
n-Hexane	0.0500	0.0798	160	69 - 145	*
Chlorodibromomethane	0.0500	0.0549	110	73 - 130	
1,2-Dibromoethane	0.0500	0.0539	108	74 - 124	
Chlorobenzene	0.0500	0.0592	118	74 - 123	
1,1,1,2-Tetrachloroethane	0.0500	0.0599	120	81 - 120	
Ethylbenzene	0.0500	0.0694	139	84 - 124	*
m-Xylene & p-Xylene	0.100	0.140	140	80 - 127	*
Tetrachloroethylene	0.0500	0.0661	132	82 - 127	*
o-Xylene	0.0500	0.0613	123	79 - 126	
Toluene	0.0500	0.0633	127	77 - 117	*
Styrene	0.0500	0.0605	121	80 - 116	*
Bromoform	0.0500	0.0535	107	67 - 135	
trans-1,2-Dichloroethylene	0.0500	0.0638	128	82 - 129	
trans-1,3-Dichloropropene	0.0500	0.0612	122	63 - 133	
Isopropylbenzene	0.0500	0.0710	142	79 - 125	*
1,1,1-Trichloroethane	0.0500	0.0658	132	78 - 125	*
1,1,2,2-Tetrachloroethane	0.0500	0.0516	103	70 - 128	
1,1,2-Trichloroethane	0.0500	0.0528	106	70 - 127	
n-Propylbenzene	0.0500	0.0691	138	82 - 129	*

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77032

Method: 8260B
Preparation: N/A

Lab Sample ID: LCS 510-77032/12
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 1836
Date Prepared: N/A

Analysis Batch: 510-77032
Prep Batch: N/A
Units: mg/Kg

Instrument ID: VMSA
Lab File ID: E8114.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	0.0500	0.0609	122	81 - 122	
Trichlorofluoromethane	0.0500	0.0496	99	72 - 135	
1,2,4-Trimethylbenzene	0.0500	0.0692	138	78 - 126	*
1,3,5-Trimethylbenzene	0.0500	0.0662	132	81 - 126	*
Vinyl acetate	0.100	0.0957	96	63 - 150	
Vinyl chloride	0.0500	0.0421	84	60 - 137	
Xylenes, Total	0.150	0.201	134	83 - 124	*

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101	76 - 137
Toluene-d8 (Surr)	100	70 - 130
4-Bromofluorobenzene (Surr)	105	50 - 150

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77047

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2020
Date Prepared: 03/04/2011 0800

Analysis Batch: 510-77032
Prep Batch: 510-77047

Instrument ID: VMSA
Lab File ID: E8117.D
Initial Weight/Volume: 32.007 g
Final Weight/Volume: 37.4216 g

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2054
Date Prepared: 03/04/2011 0800

Analysis Batch: 510-77032
Prep Batch: 510-77047

Instrument ID: VMSA
Lab File ID: E8118.D
Initial Weight/Volume: 32.429 g
Final Weight/Volume: 38.7190 g

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acetone	34	47	10 - 196	9	30		
Benzene	123	118	81 - 116	2	30	F	F
Bromodichloromethane	107	103	72 - 132	2	30		
Bromoform	99	98	67 - 135	1	30		
Bromomethane	111	128	32 - 171	16	30		
Carbon disulfide	108	108	33 - 200	1	30		
Carbon tetrachloride	124	116	70 - 139	5	30		
Chlorobenzene	100	96	74 - 123	2	30		
Chlorodibromomethane	101	98	73 - 130	1	30		
Chloroethane	129	142	53 - 139	12	30		F
Chloroform	110	105	77 - 124	2	30		
Chloromethane	101	130	44 - 148	27	30		
cis-1,2-Dichloroethylene	115	110	81 - 122	2	30		
cis-1,3-Dichloropropene	108	106	61 - 127	0	30		
Cyclohexane	144	138	79 - 136	3	30	F	F
1,2-Dibromoethane	102	99	74 - 124	1	30		
1,1-Dichlorethylene	120	117	57 - 149	1	30		
1,1-Dichloroethane	111	108	80 - 123	0	30		
1,2-Dichloroethane	105	100	72 - 130	3	30		
1,2-Dichloropropane	111	106	77 - 122	2	30		
Ethylbenzene	117	112	84 - 124	2	30		
Iodomethane	203	198	46 - 191	0	30	F	F
Isopropylbenzene	122	118	79 - 125	2	30		
Methyl acetate	80	80	36 - 152	3	30		
Methyl Butyl Ketone (2-Hexanone)	107	104	35 - 164	1	30		
Methylcyclohexane	134	129	78 - 135	2	30		
Methylene Chloride	92	89	72 - 131	1	30		
Methyl ethyl ketone (MEK)	94	92	40 - 164	0	30		
4-Methyl-2-pentanone (MIBK)	115	113	63 - 133	0	30		
Methyl tert-butyl ether	116	112	70 - 125	2	30		
m-Xylene & p-Xylene	117	113	80 - 127	1	30		
n-Butanol	0	0		NC			

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77047

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2020
Date Prepared: 03/04/2011 0800

Analysis Batch: 510-77032
Prep Batch: 510-77047

Instrument ID: VMSA
Lab File ID: E8117.D
Initial Weight/Volume: 32.007 g
Final Weight/Volume: 37.4216 g

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2054
Date Prepared: 03/04/2011 0800

Analysis Batch: 510-77032
Prep Batch: 510-77047

Instrument ID: VMSA
Lab File ID: E8118.D
Initial Weight/Volume: 32.429 g
Final Weight/Volume: 38.7190 g

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
n-Hexane	145	140	69 - 145	2	30		
n-Propylbenzene	111	105	82 - 129	4	30		
o-Xylene	104	102	79 - 126	0	30		
Styrene	83	80	80 - 116	1	30		
1,1,1,2-Tetrachloroethane	106	99	81 - 120	5	30		
1,1,2,2-Tetrachloroethane	96	92	70 - 128	2	30		
Tetrachloroethylene	116	112	82 - 127	1	30		
Toluene	112	108	77 - 117	1	30		
trans-1,2-Dichloroethylene	113	112	82 - 129	1	30		
trans-1,3-Dichloropropene	110	106	63 - 133	2	30		
1,1,1-Trichloroethane	120	115	78 - 125	2	30		
1,1,2-Trichloroethane	101	99	70 - 127	0	30		
Trichloroethene	108	105	81 - 122	1	30		
Trichlorofluoromethane	118	117	72 - 135	2	30		
1,2,4-Trimethylbenzene	105	99	78 - 126	4	30		
1,3,5-Trimethylbenzene	105	99	81 - 126	4	30		
Vinyl acetate	68	65	63 - 150	1	30		
Vinyl chloride	95	104	60 - 137	10	30		
Xylenes, Total	113	109	83 - 124	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene (Surr)	100	100	50 - 150
1,2-Dichloroethane-d4 (Surr)	110	107	76 - 137
Toluene-d8 (Surr)	98	100	70 - 130

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77047

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2020
Date Prepared: 03/04/2011 0800

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2054
Date Prepared: 03/04/2011 0800

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acetone	0.070	0.0662	0.0676	0.0924		0.101	
Benzene	<0.0068	0.0662	0.0676	0.0813	F	0.0798	F
Bromodichloromethane	<0.0068	0.0662	0.0676	0.0709		0.0696	
Bromoform	<0.0068	0.0662	0.0676	0.0658		0.0664	
Bromomethane	<0.0068	0.0662	0.0676	0.0738		0.0869	
Carbon disulfide	<0.0068	0.0662	0.0676	0.0717		0.0727	
Carbon tetrachloride	<0.0068	0.0662	0.0676	0.0823		0.0786	
Chlorobenzene	<0.0068	0.0662	0.0676	0.0661		0.0648	
Chlorodibromomethane	<0.0068	0.0662	0.0676	0.0671		0.0662	
Chloroethane	<0.0068	0.0662	0.0676	0.0852		0.0963	F
Chloroform	<0.0068	0.0662	0.0676	0.0730		0.0712	
Chloromethane	<0.0068	0.0662	0.0676	0.0671		0.0881	
cis-1,2-Dichloroethylene	<0.0068	0.0662	0.0676	0.0759		0.0746	
cis-1,3-Dichloropropene	<0.0068	0.0662	0.0676	0.0715		0.0716	
Cyclohexane	<0.0068	0.0662	0.0676	0.0957	F	0.0931	F
1,2-Dibromoethane	<0.0068	0.0662	0.0676	0.0677		0.0672	
1,1-Dichlorethylene	<0.0068	0.0662	0.0676	0.0796		0.0788	
1,1-Dichloroethane	<0.0068	0.0662	0.0676	0.0735		0.0731	
1,2-Dichloroethane	<0.0068	0.0662	0.0676	0.0693		0.0673	
1,2-Dichloropropane	<0.0068	0.0662	0.0676	0.0732		0.0718	
Ethylbenzene	<0.0068	0.0662	0.0676	0.0774		0.0761	
Iodomethane	<0.014	0.0662	0.0676	0.134	F	0.134	F
Isopropylbenzene	<0.0068	0.0662	0.0676	0.0809		0.0795	
Methyl acetate	<0.0068	0.0662	0.0676	0.0527		0.0542	
Methyl Butyl Ketone (2-Hexanone)	<0.014	0.0662	0.0676	0.0710		0.0705	
Methylcyclohexane	<0.0068	0.0662	0.0676	0.0889		0.0873	
Methylene Chloride	<0.0068	0.0662	0.0676	0.0610		0.0602	
Methyl ethyl ketone (MEK)	<0.014	0.0662	0.0676	0.0721		0.0720	
4-Methyl-2-pentanone (MIBK)	<0.014	0.0662	0.0676	0.0765		0.0767	
Methyl tert-butyl ether	<0.0068	0.0662	0.0676	0.0770		0.0759	
m-Xylene & p-Xylene	<0.0068	0.132	0.135	0.155		0.153	
n-Butanol	<0.14	0.0662	0.0676	<0.13		<0.14	
n-Hexane	<0.0068	0.0662	0.0676	0.0958		0.0944	
n-Propylbenzene	<0.0068	0.0662	0.0676	0.0735		0.0709	
o-Xylene	<0.0068	0.0662	0.0676	0.0692		0.0689	
Styrene	<0.0068	0.0662	0.0676	0.0548		0.0542	
1,1,1,2-Tetrachloroethane	<0.0068	0.0662	0.0676	0.0700		0.0668	
1,1,2,2-Tetrachloroethane	<0.0068	0.0662	0.0676	0.0636		0.0623	
Tetrachloroethylene	<0.0068	0.0662	0.0676	0.0765		0.0754	
Toluene	<0.0068	0.0662	0.0676	0.0739		0.0728	
trans-1,2-Dichloroethylene	<0.0068	0.0662	0.0676	0.0751		0.0758	

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77047

Method: 8260B
Preparation: 5035

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2020
Date Prepared: 03/04/2011 0800

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/08/2011 2054
Date Prepared: 03/04/2011 0800

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
trans-1,3-Dichloropropene	<0.0068	0.0662	0.0676	0.0726	0.0715
1,1,1-Trichloroethane	<0.0068	0.0662	0.0676	0.0792	0.0775
1,1,2-Trichloroethane	<0.0068	0.0662	0.0676	0.0666	0.0668
Trichloroethene	<0.0068	0.0662	0.0676	0.0714	0.0708
Trichlorofluoromethane	<0.0068	0.0662	0.0676	0.0780	0.0794
1,2,4-Trimethylbenzene	<0.0068	0.0662	0.0676	0.0696	0.0667
1,3,5-Trimethylbenzene	<0.0068	0.0662	0.0676	0.0696	0.0667
Vinyl acetate	<0.0068	0.132	0.135	0.0897	0.0884
Vinyl chloride	<0.0068	0.0662	0.0676	0.0632	0.0701
Xylenes, Total	<0.014	0.199	0.203	0.224	0.222

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77114

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-77114/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/09/2011 2121
Date Prepared: 03/09/2011 2121

Analysis Batch: 510-77114
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6495.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

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-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

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77114

Method: 8260B
Preparation: 5030B

Lab Sample ID: MB 510-77114/16
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/09/2011 2121
Date Prepared: 03/09/2011 2121

Analysis Batch: 510-77114
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6495.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Trichloroethene	<0.0050		0.0050
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	<0.0020		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)	104	81 - 126
Toluene-d8 (Surr)	97	89 - 108
4-Bromofluorobenzene (Surr)	101	77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77114

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 510-77114/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/09/2011 2014
Date Prepared: 03/09/2011 2014

Analysis Batch: 510-77114
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6493.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Bromomethane	0.0500	0.0485	97	58 - 141	
Acetone	0.0500	0.0704	141	10 - 200	
Carbon disulfide	0.0500	0.0561	112	46 - 200	
Chloroethane	0.0500	0.0552	110	56 - 139	
Chloromethane	0.0500	0.0435	87	58 - 141	
cis-1,2-Dichloroethylene	0.0500	0.0541	108	82 - 123	
1,1-Dichlorethylene	0.0500	0.0562	112	56 - 158	
Chloroform	0.0500	0.0509	102	78 - 125	
1,1-Dichloroethane	0.0500	0.0512	102	71 - 130	
Cyclohexane	0.0500	0.0529	106	63 - 140	
1,2-Dichloroethane	0.0500	0.0512	102	75 - 131	
Carbon tetrachloride	0.0500	0.0502	100	73 - 131	
Benzene	0.0500	0.0509	102	78 - 117	
Iodomethane	0.0500	0.0476	95	83 - 200	
1,2-Dichloropropane	0.0500	0.0524	105	81 - 124	
Bromodichloromethane	0.0500	0.0517	103	79 - 131	
Methyl acetate	0.0500	0.0712	142	42 - 140	*
cis-1,3-Dichloropropene	0.0500	0.0525	105	74 - 122	
Methylcyclohexane	0.0500	0.0505	101	84 - 134	
Methylene Chloride	0.0500	0.0473	95	72 - 129	
Methyl ethyl ketone (MEK)	0.0500	0.0694	139	32 - 182	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0539	108	52 - 148	
Methyl tert-butyl ether	0.0500	0.0613	123	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0661	132	52 - 156	
n-Butanol	0.0500	<0.10	0	70 - 130	*
n-Hexane	0.0500	0.0545	109	75 - 141	
Chlorodibromomethane	0.0500	0.0530	106	87 - 127	
1,2-Dibromoethane	0.0500	0.0508	102	74 - 130	
Chlorobenzene	0.0500	0.0542	108	76 - 112	
1,1,1,2-Tetrachloroethane	0.0500	0.0520	104	79 - 128	
Ethylbenzene	0.0500	0.0542	108	78 - 125	
m-Xylene & p-Xylene	0.100	0.106	106	77 - 123	
Tetrachloroethylene	0.0500	0.0518	104	77 - 123	
o-Xylene	0.0500	0.0552	110	78 - 121	
Toluene	0.0500	0.0510	102	76 - 114	
Styrene	0.0500	0.0544	109	74 - 115	
Bromoform	0.0500	0.0520	104	64 - 137	
trans-1,2-Dichloroethylene	0.0500	0.0532	106	51 - 148	
trans-1,3-Dichloropropene	0.0500	0.0536	107	76 - 125	
Isopropylbenzene	0.0500	0.0535	107	71 - 139	
1,1,1-Trichloroethane	0.0500	0.0524	105	76 - 130	
1,1,2,2-Tetrachloroethane	0.0500	0.0535	107	70 - 125	
1,1,2-Trichloroethane	0.0500	0.0535	107	71 - 126	
n-Propylbenzene	0.0500	0.0542	108	74 - 132	

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77114

Method: 8260B
Preparation: 5030B

Lab Sample ID: LCS 510-77114/14
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 03/09/2011 2014
Date Prepared: 03/09/2011 2014

Analysis Batch: 510-77114
Prep Batch: N/A
Units: mg/L

Instrument ID: VMSB
Lab File ID: A6493.D
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Trichloroethene	0.0500	0.0515	103	80 - 122	
Trichlorofluoromethane	0.0500	0.0511	102	68 - 125	
1,2,4-Trimethylbenzene	0.0500	0.0551	110	84 - 126	
1,3,5-Trimethylbenzene	0.0500	0.0524	105	75 - 128	
Vinyl acetate	0.100	0.0981	98	65 - 161	
Vinyl chloride	0.0500	0.0476	95	61 - 149	
Xylenes, Total	0.150	0.161	107	80 - 127	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	104	81 - 126
Toluene-d8 (Surr)	99	89 - 108
4-Bromofluorobenzene (Surr)	102	77 - 132

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77007

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 510-77007/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1230
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77240
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSA
Lab File ID: D7709.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Benzoic acid	<1.7		1.7
Benzyl alcohol	<0.33		0.33
Bis(2-chloroethoxy)methane	<0.33		0.33
Bis(2-chloroethyl)ether	<0.33		0.33
Bis(2-chloroisopropyl) ether	<0.33		0.33
Bis(2-ethylhexyl) phthalate	<0.66		0.66
4-Bromophenyl phenyl ether	<0.33		0.33
Butyl benzyl phthalate	<0.33		0.33
Carbazole	<0.33		0.33
4-Chloro-3-methylphenol	<0.33		0.33
2-Chloronaphthalene	<0.33		0.33
2-Chlorophenol	<0.33		0.33
4-Chlorophenyl phenyl ether	<0.33		0.33
Dibenzofuran	<0.33		0.33
Dibutylphthalate	<0.33		0.33
1,2-Dichlorobenzene	<0.33		0.33
1,3-Dichlorobenzene	<0.33		0.33
1,4-Dichlorobenzene	<0.33		0.33
3,3'-Dichlorobenzidine	<0.66		0.66
2,4-Dichlorophenol	<0.33		0.33
Diethyl phthalate	<0.33		0.33
2,4-Dimethylphenol	<0.33		0.33
Dimethyl phthalate	<0.33		0.33
4,6-Dinitro-2-methylphenol	<0.66		0.66
2,4-Dinitrophenol	<1.7		1.7
2,4-Dinitrotoluene	<0.33		0.33
2,6-Dinitrotoluene	<0.33		0.33
Di-n-octyl phthalate	<0.33		0.33
Hexachlorobenzene	<0.33		0.33
Hexachloro-1,3-butadiene	<0.33		0.33
Hexachlorocyclopentadiene	<0.33		0.33
Hexachloroethane	<0.33		0.33
Isophorone	<0.33		0.33
2-Methylnaphthalene	<0.33		0.33
2-Methylphenol	<0.33		0.33
3 & 4 Methylphenol	<0.33		0.33
2-Nitroaniline	<0.66		0.66
3-Nitroaniline	<0.66		0.66
4-Nitroaniline	<0.66		0.66
Nitrobenzene	<0.33		0.33
2-Nitrophenol	<0.33		0.33
4-Nitrophenol	<1.7		1.7
N-Nitrosodimethylamine	<0.33		0.33

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77007

Method: 8270C
Preparation: 3541

Lab Sample ID: MB 510-77007/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1230
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77240
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSA
Lab File ID: D7709.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
N-Nitrosodi-n-propylamine	<0.33		0.33
N-Nitrosodiphenylamine	<0.33		0.33
p-Chloroaniline	<0.33		0.33
Pentachlorophenol	<0.66		0.66
Phenol	<0.33		0.33
1,2,4-Trichlorobenzene	<0.33		0.33
2,4,5-Trichlorophenol	<0.33		0.33
2,4,6-Trichlorophenol	<0.33		0.33

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	68	14 - 104
2-Fluorophenol	59	10 - 102
Nitrobenzene-d5	66	10 - 105
Phenol-d5	61	10 - 94
Terphenyl-d14	96	31 - 119
2,4,6-Tribromophenol	80	10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77007

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 510-77007/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1247
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77240
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSA
Lab File ID: D7710.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzoic acid	1.67	<1.7	63	10 - 150	
Bis(2-chloroethoxy)methane	1.67	1.28	77	40 - 124	
Bis(2-chloroethyl)ether	1.67	1.04	62	21 - 120	
Bis(2-chloroisopropyl) ether	1.67	1.16	70	10 - 150	
Bis(2-ethylhexyl) phthalate	1.67	1.84	111	61 - 133	
4-Bromophenyl phenyl ether	1.67	1.38	83	62 - 135	
Butyl benzyl phthalate	1.67	1.81	109	61 - 135	
Carbazole	1.67	1.30	78	44 - 134	
4-Chloro-3-methylphenol	1.67	1.39	84	29 - 126	
2-Chloronaphthalene	1.67	1.23	74	38 - 103	
2-Chlorophenol	1.67	1.24	74	27 - 119	
4-Chlorophenyl phenyl ether	1.67	1.36	82	67 - 116	
Dibenzofuran	1.67	1.30	78	54 - 105	
Dibutylphthalate	1.67	1.54	93	50 - 148	
1,2-Dichlorobenzene	1.67	1.21	73	25 - 100	
1,3-Dichlorobenzene	1.67	1.03	62	32 - 91	
1,4-Dichlorobenzene	1.67	1.18	71	29 - 109	
2,4-Dichlorophenol	1.67	1.23	74	31 - 99	
Diethyl phthalate	1.67	1.53	92	65 - 131	
2,4-Dimethylphenol	1.67	1.16	70	27 - 95	
Dimethyl phthalate	1.67	1.41	84	65 - 119	
4,6-Dinitro-2-methylphenol	1.67	1.57	94	10 - 150	
2,4-Dinitrophenol	1.67	<1.7	93	10 - 150	
2,4-Dinitrotoluene	1.67	1.47	88	52 - 124	
2,6-Dinitrotoluene	1.67	1.38	83	52 - 114	
Di-n-octyl phthalate	1.67	2.17	130	56 - 162	
Hexachlorobenzene	1.67	1.41	84	48 - 119	
Hexachloro-1,3-butadiene	1.67	1.35	81	10 - 150	
Hexachlorocyclopentadiene	1.67	1.49	89	10 - 150	
Hexachloroethane	1.67	1.22	73	10 - 150	
Isophorone	1.67	1.34	80	33 - 111	
2-Methylnaphthalene	1.67	1.30	78	25 - 112	
2-Methylphenol	1.67	1.26	75	28 - 106	
3 & 4 Methylphenol	1.67	1.27	76	34 - 112	
2-Nitroaniline	1.67	1.32	79	50 - 117	
3-Nitroaniline	1.67	1.43	86	10 - 150	
4-Nitroaniline	1.67	1.34	80	10 - 150	
Nitrobenzene	1.67	1.23	74	10 - 150	
2-Nitrophenol	1.67	1.30	78	24 - 108	
4-Nitrophenol	1.67	<1.7	89	19 - 152	
N-Nitrosodimethylamine	1.67	0.851	51	24 - 112	
N-Nitrosodi-n-propylamine	1.67	1.36	81	45 - 123	
N-Nitrosodiphenylamine	1.67	1.31	78	46 - 162	
p-Chloroaniline	1.67	1.52	91	10 - 150	

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77007

Method: 8270C
Preparation: 3541

Lab Sample ID: LCS 510-77007/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1247
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77240
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSA
Lab File ID: D7710.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Pentachlorophenol	1.67	1.46	87	11 - 128	
Phenol	1.67	1.27	76	23 - 120	
1,2,4-Trichlorobenzene	1.67	1.32	79	35 - 116	
2,4,5-Trichlorophenol	1.67	1.44	87	38 - 108	
2,4,6-Trichlorophenol	1.67	1.33	80	45 - 100	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	69	14 - 104
2-Fluorophenol	59	10 - 102
Nitrobenzene-d5	72	10 - 105
Phenol-d5	65	10 - 94
Terphenyl-d14	95	31 - 119
2,4,6-Tribromophenol	94	10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	510-62781-1	Analysis Batch:	510-77240	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-77007	Lab File ID:	D7712.D
Dilution:	1.0			Initial Weight/Volume:	30.85 g
Date Analyzed:	03/11/2011 1323			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

MSD Lab Sample ID:	510-62781-1	Analysis Batch:	510-77240	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-77007	Lab File ID:	D7713.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Date Analyzed:	03/11/2011 1341			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzoic acid	52	58	10 - 150	14	25		
Bis(2-chloroethoxy)methane	74	75	40 - 124	4	25		
Bis(2-chloroethyl)ether	61	61	21 - 120	3	25		
Bis(2-chloroisopropyl) ether	65	67	10 - 150	6	25		
Bis(2-ethylhexyl) phthalate	116	110	61 - 133	3	25		
4-Bromophenyl phenyl ether	82	83	62 - 135	4	25		
Butyl benzyl phthalate	113	106	61 - 135	4	25		
Carbazole	75	74	44 - 134	1	25		
4-Chloro-3-methylphenol	76	79	29 - 126	6	25		
2-Chloronaphthalene	75	73	38 - 103	1	25		
2-Chlorophenol	69	73	27 - 119	9	25		
4-Chlorophenyl phenyl ether	82	78	67 - 116	2	25		
Dibenzofuran	79	76	54 - 105	1	25		
Dibutylphthalate	92	88	50 - 148	2	25		
1,2-Dichlorobenzene	65	68	25 - 100	8	25		
1,3-Dichlorobenzene	60	63	32 - 91	7	25		
1,4-Dichlorobenzene	63	66	29 - 109	7	25		
2,4-Dichlorophenol	72	73	31 - 99	4	25		
Diethyl phthalate	90	88	65 - 131	0	25		
2,4-Dimethylphenol	61	65	27 - 95	9	25		
Dimethyl phthalate	86	84	65 - 119	1	25		
4,6-Dinitro-2-methylphenol	68	77	10 - 150	16	25		
2,4-Dinitrophenol	56	68	10 - 150	21	25		
2,4-Dinitrotoluene	84	82	52 - 124	0	25		
2,6-Dinitrotoluene	81	81	52 - 114	2	25		
Di-n-octyl phthalate	124	120	56 - 162	1	25		
Hexachlorobenzene	80	81	48 - 119	5	25		
Hexachloro-1,3-butadiene	70	75	10 - 150	10	25		
Hexachlorocyclopentadiene	87	87	10 - 150	2	25		
Hexachloroethane	62	68	10 - 150	12	25		
Isophorone	78	79	33 - 111	4	25		
2-Methylnaphthalene	75	75	25 - 112	3	25		

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C
Preparation: 3541

MS Lab Sample ID:	510-62781-1	Analysis Batch:	510-77240	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-77007	Lab File ID:	D7712.D
Dilution:	1.0			Initial Weight/Volume:	30.85 g
Date Analyzed:	03/11/2011 1323			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

MSD Lab Sample ID:	510-62781-1	Analysis Batch:	510-77240	Instrument ID:	SMSA
Client Matrix:	Solid	Prep Batch:	510-77007	Lab File ID:	D7713.D
Dilution:	1.0			Initial Weight/Volume:	30.06 g
Date Analyzed:	03/11/2011 1341			Final Weight/Volume:	1 mL
Date Prepared:	03/08/2011 0755			Injection Volume:	1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylphenol	68	70	28 - 106	5	25		
3 & 4 Methylphenol	71	71	34 - 112	3	25		
2-Nitroaniline	77	78	50 - 117	4	25		
3-Nitroaniline	82	79	10 - 150	1	25		
4-Nitroaniline	73	72	10 - 150	0	25		
Nitrobenzene	69	72	10 - 150	8	25		
2-Nitrophenol	73	77	24 - 108	9	25		
4-Nitrophenol	74	78	19 - 152	8	25		
N-Nitrosodimethylamine	49	54	24 - 112	13	25		
N-Nitrosodi-n-propylamine	77	77	45 - 123	3	25		
N-Nitrosodiphenylamine	76	78	46 - 162	5	25		
p-Chloroaniline	84	85	10 - 150	4	25		
Pentachlorophenol	67	76	11 - 128	15	25		
Phenol	70	73	23 - 120	7	25		
1,2,4-Trichlorobenzene	72	74	35 - 116	6	25		
2,4,5-Trichlorophenol	83	84	38 - 108	4	25		
2,4,6-Trichlorophenol	79	78	45 - 100	2	25		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	69	66	14 - 104
2-Fluorophenol	51	56	10 - 102
Nitrobenzene-d5	67	69	10 - 105
Phenol-d5	58	61	10 - 94
Terphenyl-d14	98	93	31 - 119
2,4,6-Tribromophenol	83	80	10 - 128

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1323
Date Prepared: 03/08/2011 0755

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1341
Date Prepared: 03/08/2011 0755

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Benzoic acid	0.000	1.84	1.88	<1.8	<1.9
Bis(2-chloroethoxy)methane	0.000	1.84	1.88	1.36	1.42
Bis(2-chloroethyl)ether	0.000	1.84	1.88	1.11	1.15
Bis(2-chloroisopropyl) ether	0.000	1.84	1.88	1.19	1.26
Bis(2-ethylhexyl) phthalate	0.000	1.84	1.88	2.13	2.07
4-Bromophenyl phenyl ether	0.000	1.84	1.88	1.50	1.56
Butyl benzyl phthalate	0.000	1.84	1.88	2.07	1.99
Carbazole	0.000	1.84	1.88	1.37	1.39
4-Chloro-3-methylphenol	0.000	1.84	1.88	1.40	1.49
2-Chloronaphthalene	0.000	1.84	1.88	1.38	1.37
2-Chlorophenol	0.000	1.84	1.88	1.26	1.38
4-Chlorophenyl phenyl ether	0.000	1.84	1.88	1.50	1.48
Dibenzofuran	0.000	1.84	1.88	1.45	1.43
Dibutylphthalate	0.000	1.84	1.88	1.70	1.67
1,2-Dichlorobenzene	0.000	1.84	1.88	1.19	1.29
1,3-Dichlorobenzene	0.000	1.84	1.88	1.10	1.18
1,4-Dichlorobenzene	0.000	1.84	1.88	1.16	1.24
2,4-Dichlorophenol	0.000	1.84	1.88	1.32	1.38
Diethyl phthalate	0.000	1.84	1.88	1.65	1.66
2,4-Dimethylphenol	0.000	1.84	1.88	1.12	1.23
Dimethyl phthalate	0.000	1.84	1.88	1.58	1.59
4,6-Dinitro-2-methylphenol	0.000	1.84	1.88	1.25	1.46
2,4-Dinitrophenol	0.000	1.84	1.88	<1.8	<1.9
2,4-Dinitrotoluene	0.000	1.84	1.88	1.54	1.55
2,6-Dinitrotoluene	0.000	1.84	1.88	1.50	1.53
Di-n-octyl phthalate	0.000	1.84	1.88	2.28	2.27
Hexachlorobenzene	0.000	1.84	1.88	1.46	1.53
Hexachloro-1,3-butadiene	0.000	1.84	1.88	1.29	1.42
Hexachlorocyclopentadiene	0.000	1.84	1.88	1.60	1.64
Hexachloroethane	0.000	1.84	1.88	1.14	1.28
Isophorone	0.000	1.84	1.88	1.43	1.49
2-Methylnaphthalene	0.000	1.84	1.88	1.38	1.42
2-Methylphenol	0.000	1.84	1.88	1.25	1.32
3 & 4 Methylphenol	0.000	1.84	1.88	1.30	1.34
2-Nitroaniline	0.000	1.84	1.88	1.41	1.46
3-Nitroaniline	0.000	1.84	1.88	1.50	1.49
4-Nitroaniline	0.000	1.84	1.88	1.35	1.35
Nitrobenzene	0.000	1.84	1.88	1.26	1.36
2-Nitrophenol	0.000	1.84	1.88	1.34	1.46
4-Nitrophenol	0.000	1.84	1.88	<1.8	<1.9
N-Nitrosodimethylamine	0.000	1.84	1.88	0.897	1.02

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C
Preparation: 3541

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1323
Date Prepared: 03/08/2011 0755

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1341
Date Prepared: 03/08/2011 0755

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
N-Nitrosodi-n-propylamine	0.000	1.84	1.88	1.40	1.45
N-Nitrosodiphenylamine	0.000	1.84	1.88	1.40	1.47
p-Chloroaniline	0.000	1.84	1.88	1.54	1.60
Pentachlorophenol	0.000	1.84	1.88	1.24	1.44
Phenol	0.000	1.84	1.88	1.28	1.38
1,2,4-Trichlorobenzene	0.000	1.84	1.88	1.32	1.40
2,4,5-Trichlorophenol	0.000	1.84	1.88	1.53	1.59
2,4,6-Trichlorophenol	0.000	1.84	1.88	1.44	1.47

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-77007

Method: 8270C SIM
Preparation: 3541

Lab Sample ID: MB 510-77007/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1614
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77268
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSB
Lab File ID: C3809.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	RL
Acenaphthene	<0.020		0.020
Acenaphthylene	<0.020		0.020
Anthracene	<0.020		0.020
Benzo[a]anthracene	<0.020		0.020
Benzo[a]pyrene	<0.020		0.020
Benzo[b]fluoranthene	<0.020		0.020
Benzo[g,h,i]perylene	<0.020		0.020
Benzo[k]fluoranthene	<0.020		0.020
Chrysene	<0.020		0.020
Dibenz(a,h)anthracene	<0.020		0.020
Fluoranthene	<0.020		0.020
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	71	10 - 194
Nitrobenzene-d5	64	10 - 117
2-Fluorobiphenyl	79	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Lab Control Sample - Batch: 510-77007

Method: 8270C SIM
Preparation: 3541

Lab Sample ID: LCS 510-77007/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1632
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77268
Prep Batch: 510-77007
Units: mg/Kg

Instrument ID: SMSB
Lab File ID: C3810.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.19	71	10 - 118	
Acenaphthylene	1.67	1.12	67	10 - 151	
Anthracene	1.67	1.26	76	16 - 148	
Benzo[a]anthracene	1.67	1.24	74	15 - 154	
Benzo[a]pyrene	1.67	1.34	80	19 - 168	
Benzo[b]fluoranthene	1.67	1.17	70	14 - 152	
Benzo[g,h,i]perylene	1.67	1.68	101	21 - 112	
Benzo[k]fluoranthene	1.67	1.06	64	24 - 116	
Chrysene	1.67	1.24	74	29 - 107	
Dibenz(a,h)anthracene	1.67	1.63	98	34 - 107	
Fluoranthene	1.67	1.32	79	29 - 120	
Pyrene	1.67	1.36	82	26 - 120	
Fluorene	1.67	1.09	66	28 - 110	
Indeno[1,2,3-cd]pyrene	1.67	1.61	97	27 - 110	
Naphthalene	1.67	1.14	68	10 - 106	
Phenanthrene	1.67	1.21	73	22 - 115	

Surrogate	% Rec	Acceptance Limits
Terphenyl-d14	74	10 - 194
Nitrobenzene-d5	69	10 - 117
2-Fluorobiphenyl	67	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C SIM
Preparation: 3541

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1725
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77268
Prep Batch: 510-77007

Instrument ID: SMSB
Lab File ID: C3813.D
Initial Weight/Volume: 30.85 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1743
Date Prepared: 03/08/2011 0755

Analysis Batch: 510-77268
Prep Batch: 510-77007

Instrument ID: SMSB
Lab File ID: C3814.D
Initial Weight/Volume: 30.06 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Acenaphthene	66	64	10 - 118	1	25		
Acenaphthylene	67	64	10 - 151	2	25		
Anthracene	49	54	16 - 148	8	25		
Benzo[a]anthracene	6	10	15 - 154	5	25	F	F
Benzo[a]pyrene	37	35	19 - 168	1	25		
Benzo[b]fluoranthene	27	32	14 - 152	7	25		
Benzo[g,h,i]perylene	40	34	21 - 112	8	25		
Benzo[k]fluoranthene	25	24	24 - 116	1	25		
Chrysene	-9	-14	29 - 107	7	25	F	F
Dibenz(a,h)anthracene	64	62	34 - 107	1	25		
Fluoranthene	-23	-22	29 - 120	0	25	F	F
Pyrene	-61	-66	26 - 120	9	25	F	F
Fluorene	63	61	28 - 110	1	25		
Indeno[1,2,3-cd]pyrene	53	48	27 - 110	5	25		
Naphthalene	62	63	10 - 106	4	25		
Phenanthrene	-4	-5	22 - 115	1	25	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Terphenyl-d14	73	65	10 - 194
Nitrobenzene-d5	64	65	10 - 117
2-Fluorobiphenyl	59	57	16 - 110

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-77007

Method: 8270C SIM
Preparation: 3541

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1725
Date Prepared: 03/08/2011 0755

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/11/2011 1743
Date Prepared: 03/08/2011 0755

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Acenaphthene	<0.022	1.84	1.88	1.30		1.29	
Acenaphthylene	<0.022	1.84	1.88	1.23		1.21	
Anthracene	<0.022	1.84	1.88	1.29		1.40	
Benzo[a]anthracene	<0.022	1.84	1.88	1.47	F	1.54	F
Benzo[a]pyrene	<0.022	1.84	1.88	1.51		1.50	
Benzo[b]fluoranthene	<0.022	1.84	1.88	1.27		1.36	
Benzo[g,h,i]perylene	0.60	1.84	1.88	1.39		1.28	
Benzo[k]fluoranthene	<0.022	1.84	1.88	1.40		1.38	
Chrysene	<0.022	1.84	1.88	1.32	F	1.23	F
Dibenz(a,h)anthracene	0.21	1.84	1.88	1.39		1.38	
Fluoranthene	<0.022	1.84	1.88	1.43	F	1.44	F
Pyrene	<0.022	1.84	1.88	1.51	F	1.38	F
Fluorene	<0.022	1.84	1.88	1.29		1.27	
Indeno[1,2,3-cd]pyrene	0.54	1.84	1.88	1.44		1.37	
Naphthalene	<0.022	1.84	1.88	1.21		1.26	
Phenanthrene	<0.022	1.84	1.88	1.37	F	1.35	F

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-106942

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	510-62781-1	Analysis Batch: 500-107159	Instrument ID: INST13-14
Client Matrix:	Solid	Prep Batch: 500-106942	Lab File ID: 03091114_006.d
Dilution:	1.0		Initial Weight/Volume: 4.9882 g
Date Analyzed:	03/09/2011 0750		Final Weight/Volume: 5 mL
Date Prepared:	03/03/2011 1015		Injection Volume:
			Column ID: PRIMARY

MSD Lab Sample ID:	510-62781-1	Analysis Batch: 500-107159	Instrument ID: INST13-14
Client Matrix:	Solid	Prep Batch: 500-106942	Lab File ID: 03091114_007.d
Dilution:	1.0		Initial Weight/Volume: 6.6251 g
Date Analyzed:	03/09/2011 0825		Final Weight/Volume: 5 mL
Date Prepared:	03/03/2011 1015		Injection Volume:
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C5-C12	89	94	70 - 130	21	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	97	102	51 - 117
a,a,a-Trifluorotoluene	110	116	64 - 116

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 500-106942

Method: 8015B
Preparation: 5035

MS Lab Sample ID:	510-62781-1	Units: mg/Kg	MSD Lab Sample ID: 510-62781-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	03/09/2011 0750		Date Analyzed: 03/09/2011 0825
Date Prepared:	03/03/2011 1015		Date Prepared: 03/03/2011 1015

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
C5-C12	0.028	0.454	0.342	0.434	0.351

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 500-107159

Method: 8015B
Preparation: N/A

Lab Sample ID: MB 500-107159/3
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/09/2011 0606
Date Prepared: N/A

Analysis Batch: 500-107159
Prep Batch: N/A
Units: mg/Kg

Instrument ID: INST13-14
Lab File ID: 03091114_003.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	RL
C5-C12	<0.020		0.020

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	51 - 117
a,a,a-Trifluorotoluene	108	64 - 116

Lab Control Sample - Batch: 500-107159

Method: 8015B
Preparation: N/A

Lab Sample ID: LCS 500-107159/4
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/09/2011 0641
Date Prepared: N/A

Analysis Batch: 500-107159
Prep Batch: N/A
Units: mg/Kg

Instrument ID: INST13-14
Lab File ID: 03091114_004.d
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C5-C12	0.400	0.374	93	70 - 130	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	105	51 - 117
a,a,a-Trifluorotoluene	106	64 - 116

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-76980

Method: 8015B
Preparation: 3541

Lab Sample ID: MB 510-76980/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1532
Date Prepared: 03/07/2011 1157

Analysis Batch: 510-76964
Prep Batch: 510-76980
Units: mg/Kg

Instrument ID: SGCC
Lab File ID: G3962.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Result	Qual	RL
C8-C36	<20		20

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	49	10 - 122

Lab Control Sample - Batch: 510-76980

Method: 8015B
Preparation: 3541

Lab Sample ID: LCS 510-76980/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1604
Date Prepared: 03/07/2011 1157

Analysis Batch: 510-76964
Prep Batch: 510-76980
Units: mg/Kg

Instrument ID: SGCC
Lab File ID: G3963.D
Initial Weight/Volume: 30 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
C8-C36	16.6	<20	78	30 - 146	

Surrogate	% Rec	Acceptance Limits
Decafluorobiphenyl	69	10 - 122

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76980

Method: 8015B
Preparation: 3541

MS Lab Sample ID:	510-62781-1	Analysis Batch: 510-76964	Instrument ID: SGCC
Client Matrix:	Solid	Prep Batch: 510-76980	Lab File ID: G3965.D
Dilution:	1.0		Initial Weight/Volume: 30.49 g
Date Analyzed:	03/07/2011 1708		Final Weight/Volume: 1 mL
Date Prepared:	03/07/2011 1157		Injection Volume: 1 uL
			Column ID: PRIMARY

MSD Lab Sample ID:	510-62781-1	Analysis Batch: 510-76964	Instrument ID: SGCC
Client Matrix:	Solid	Prep Batch: 510-76980	Lab File ID: G3966.D
Dilution:	1.0		Initial Weight/Volume: 30.22 g
Date Analyzed:	03/07/2011 1741		Final Weight/Volume: 1 mL
Date Prepared:	03/07/2011 1157		Injection Volume: 1 uL
			Column ID: PRIMARY

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
C8-C36	-272	-271	58 - 117	3	30	F	F

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
Decafluorobiphenyl	46	43	10 - 122

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76980

Method: 8015B
Preparation: 3541

MS Lab Sample ID:	510-62781-1	Units: mg/Kg	MSD Lab Sample ID: 510-62781-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	1.0		Dilution: 1.0
Date Analyzed:	03/07/2011 1708		Date Analyzed: 03/07/2011 1741
Date Prepared:	03/07/2011 1157		Date Prepared: 03/07/2011 1157

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
C8-C36	65	18.5	18.6	<22	F	<22	F

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/09/2011 0950
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77092
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 030811f.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Arsenic	<0.10		0.10
Barium	<0.025		0.025
Cadmium	<0.050		0.050
Chromium	<0.075		0.075
Nickel	<0.050		0.050
Selenium	<0.050		0.050

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/11/2011 2208
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77288
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031111d.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Thallium	<0.50		0.50

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1041
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77554
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711bb.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Copper	<1.0		1.0
Lead	<0.25		0.25
Silver	<1.0		1.0

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1714
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77574
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711e.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Copper	<1.0		1.0
Lead	<0.25		0.25
Silver	<1.0		1.0

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/18/2011 1919
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77686
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031811f.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Chromium	<0.75		0.75
Thallium	<0.50		0.50

Method Blank - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: MB 510-76967/1-A ^100
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2011 1652
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77824
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 032211c.csv
Initial Weight/Volume: 1.0 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	<15		15

Lab Control Sample - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-76967/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/11/2011 2213
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77288
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031111d.csv
Initial Weight/Volume: 1.0075 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Thallium	171	191	112	81 - 119	

Lab Control Sample - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-76967/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1044
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77554
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711bb.csv
Initial Weight/Volume: 1.0075 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Copper	74.7	70.3	94	80 - 120	
Lead	152	157	104	80 - 120	
Silver	51.9	48.0	92	66 - 134	

Lab Control Sample - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-76967/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1717
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77574
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711e.csv
Initial Weight/Volume: 1.0075 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Copper	74.7	71.1	95	80 - 120	
Lead	152	153	101	80 - 120	
Silver	51.9	48.4	93	66 - 134	

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Lab Control Sample - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-76967/2-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/18/2011 1924
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77686
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031811f.csv
Initial Weight/Volume: 1.0075 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chromium	93.4	83.6	89	80 - 120	
Thallium	171	175	102	81 - 119	

Lab Control Sample - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: LCS 510-76967/2-A ^100
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2011 1655
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77824
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 032211c.csv
Initial Weight/Volume: 1.0075 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	121	77.7	64	0 - 200	

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Post Digestion Spike - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1732
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77574
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711e.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Barium	130	11.2	146	NC	75 - 125	
Copper	23	11.2	34.9	104	75 - 125	
Lead	140	11.2	150	NC	75 - 125	
Silver	<1.1	11.2	11.0	97	75 - 125	

Post Digestion Spike - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/18/2011 1942
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77686
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031811f.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Thallium	<0.56	11.2	11.0	95	75 - 125	

Post Digestion Spike - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 100
Date Analyzed: 03/22/2011 1705
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77824
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 032211c.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	<17	112	121	108	75 - 125	

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Analysis Batch:	510-77092	Instrument ID:	MICPMSA
Client Matrix:	Solid	Prep Batch:	510-76967	Lab File ID:	030811f.csv
Dilution:	5.0			Initial Weight/Volume:	1.0232 g
Date Analyzed:	03/09/2011 1021			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

MSD Lab Sample ID:	510-62781-1	Analysis Batch:	510-77092	Instrument ID:	MICPMSA
Client Matrix:	Solid	Prep Batch:	510-76967	Lab File ID:	030811f.csv
Dilution:	5.0			Initial Weight/Volume:	1.0176 g
Date Analyzed:	03/09/2011 1024			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	84	87	75 - 125	3	20		
Barium	80	80	75 - 125	0	20		
Cadmium	98	100	75 - 125	2	20		
Chromium	84	85	75 - 125	2	20		
Nickel	80	82	75 - 125	3	20		
Selenium	82	84	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Analysis Batch:	510-77574	Instrument ID:	MICPMSA
Client Matrix:	Solid	Prep Batch:	510-76967	Lab File ID:	031711e.csv
Dilution:	10			Initial Weight/Volume:	1.0232 g
Date Analyzed:	03/17/2011 1723			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

MSD Lab Sample ID:	510-62781-1	Analysis Batch:	510-77574	Instrument ID:	MICPMSA
Client Matrix:	Solid	Prep Batch:	510-76967	Lab File ID:	031711e.csv
Dilution:	10			Initial Weight/Volume:	1.0176 g
Date Analyzed:	03/17/2011 1726			Final Weight/Volume:	50 mL
Date Prepared:	03/07/2011 0945				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Copper	76	74	75 - 125	1	20		F
Lead	-111	-104	75 - 125	5	20	F	F
Silver	103	102	75 - 125	0	20		

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Analysis Batch: 510-77686	Instrument ID: MICPMSA
Client Matrix:	Solid	Prep Batch: 510-76967	Lab File ID: 031811f.csv
Dilution:	10		Initial Weight/Volume: 1.0232 g
Date Analyzed:	03/18/2011 1933		Final Weight/Volume: 50 mL
Date Prepared:	03/07/2011 0945		

MSD Lab Sample ID:	510-62781-1	Analysis Batch: 510-77686	Instrument ID: MICPMSA
Client Matrix:	Solid	Prep Batch: 510-76967	Lab File ID: 031811f.csv
Dilution:	10		Initial Weight/Volume: 1.0176 g
Date Analyzed:	03/18/2011 1937		Final Weight/Volume: 50 mL
Date Prepared:	03/07/2011 0945		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Thallium	99	101	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Analysis Batch: 510-77824	Instrument ID: MICPMSA
Client Matrix:	Solid	Prep Batch: 510-76967	Lab File ID: 032211c.csv
Dilution:	100		Initial Weight/Volume: 1.0232 g
Date Analyzed:	03/22/2011 1700		Final Weight/Volume: 50 mL
Date Prepared:	03/07/2011 0945		

MSD Lab Sample ID:	510-62781-1	Analysis Batch: 510-77824	Instrument ID: MICPMSA
Client Matrix:	Solid	Prep Batch: 510-76967	Lab File ID: 032211c.csv
Dilution:	100		Initial Weight/Volume: 1.0176 g
Date Analyzed:	03/22/2011 1703		Final Weight/Volume: 50 mL
Date Prepared:	03/07/2011 0945		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	59	64	75 - 125	9	20	F	F

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/09/2011 1021
Date Prepared: 03/07/2011 0945

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 5.0
Date Analyzed: 03/09/2011 1024
Date Prepared: 03/07/2011 0945

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	4.4	55.4	55.7	51.1	52.7
Barium	120	111	111	206	206
Cadmium	<0.28	55.4	55.7	54.3	55.7
Chromium	9.1	55.4	55.7	55.3	56.3
Nickel	14	55.4	55.7	57.6	59.4
Selenium	0.50	55.4	55.7	46.0	47.2

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1723
Date Prepared: 03/07/2011 0945

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/17/2011 1726
Date Prepared: 03/07/2011 0945

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Copper	23	55.4	55.7	65.5	64.7 F
Lead	140	55.4	55.7	75.2 F	78.6 F
Silver	<1.1	111	111	114	114

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Units: mg/Kg	MSD Lab Sample ID: 510-62781-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	10		Dilution: 10
Date Analyzed:	03/18/2011 1933		Date Analyzed: 03/18/2011 1937
Date Prepared:	03/07/2011 0945		Date Prepared: 03/07/2011 0945

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Thallium	<0.56	55.4	55.7	55.1	56.4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76967

Method: 6020
Preparation: 3050B

MS Lab Sample ID:	510-62781-1	Units: mg/Kg	MSD Lab Sample ID: 510-62781-1
Client Matrix:	Solid		Client Matrix: Solid
Dilution:	100		Dilution: 100
Date Analyzed:	03/22/2011 1700		Date Analyzed: 03/22/2011 1703
Date Prepared:	03/07/2011 0945		Date Prepared: 03/07/2011 0945

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Antimony	<17	55.4	55.7	32.6 F	35.8 F

Serial Dilution - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 50
Date Analyzed: 03/17/2011 1729
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77574
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031711e.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Barium	130	135	1.8	10	
Copper	23	24.2	3.8	10	
Lead	140	132	3.3	10	
Silver	<1.1	<5.6	NC	10	

Serial Dilution - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 50
Date Analyzed: 03/18/2011 1946
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77686
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 031811f.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Thallium	0.299	<2.8	NC	10	

Serial Dilution - Batch: 510-76967

Method: 6020
Preparation: 3050B

Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 500
Date Analyzed: 03/22/2011 1708
Date Prepared: 03/07/2011 0945

Analysis Batch: 510-77824
Prep Batch: 510-76967
Units: mg/Kg

Instrument ID: MICPMSA
Lab File ID: 032211c.csv
Initial Weight/Volume: 1.0070 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Antimony	<17	<84	NC	10	

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Lab Control Sample - Batch: 510-76834

Method: 7471A
Preparation: 7471A

Lab Sample ID: LCS 510-76834/10-A ^10
Client Matrix: Solid
Dilution: 10
Date Analyzed: 03/07/2011 1327
Date Prepared: 03/03/2011 1518

Analysis Batch: 510-76991
Prep Batch: 510-76834
Units: mg/Kg

Instrument ID: MHGC
Lab File ID: 030711Hg.PRN
Initial Weight/Volume: 0.1080 g
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	16.3	20.6	126	67 - 133	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76834

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1411
Date Prepared: 03/04/2011 1330

Analysis Batch: 510-76991
Prep Batch: 510-76834

Instrument ID: MHGC
Lab File ID: 030711Hg.PRN
Initial Weight/Volume: 0.5197 g
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1413
Date Prepared: 03/04/2011 1330

Analysis Batch: 510-76991
Prep Batch: 510-76834

Instrument ID: MHGC
Lab File ID: 030711Hg.PRN
Initial Weight/Volume: 0.5010 g
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	111	109	75 - 125	2	25		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 510-76834

Method: 7471A
Preparation: 7471A

MS Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1411
Date Prepared: 03/04/2011 1330

Units: mg/Kg

MSD Lab Sample ID: 510-62781-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/07/2011 1413
Date Prepared: 03/04/2011 1330

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.086	0.545	0.565	0.690	0.704

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Method Blank - Batch: 510-76924

Method: Moisture
Preparation: N/A

Lab Sample ID: MB 510-76924/1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/05/2011 1745
Date Prepared: N/A

Analysis Batch: 510-76924
Prep Batch: N/A
Units: %

Instrument ID: GBALB
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume:

Analyte	Result	Qual	RL
Percent Moisture	100		0.10
Percent Solids	0.019		0.10

DATA REPORTING QUALIFIERS

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

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 Semi VOA		
	F	MS or MSD exceeds the control limits
Metals		
	^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
	F	MS or MSD exceeds the control limits

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:510-77032					
LCS 510-77032/12	Lab Control Sample	T	Solid	8260B	
MB 510-77032/11	Method Blank	T	Solid	8260B	
510-62781-1	SB0058:TP1:000020	T	Solid	8260B	510-77047
510-62781-1MS	Matrix Spike	T	Solid	8260B	510-77047
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	8260B	510-77047
510-62781-2	SB0058:TP1:040050	T	Solid	8260B	510-77047
510-62781-3	SB0058:TP2:000020	T	Solid	8260B	510-77047
510-62781-4	SB0058:TP2:040050	T	Solid	8260B	510-77047
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	8260B	510-77047
510-62781-7	Sodium Biosulfate/Methanol Blank	T	Solid	8260B	510-77047
Prep Batch: 510-77047					
510-62781-1	SB0058:TP1:000020	T	Solid	5035	
510-62781-1MS	Matrix Spike	T	Solid	5035	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	5035	
510-62781-2	SB0058:TP1:040050	T	Solid	5035	
510-62781-3	SB0058:TP2:000020	T	Solid	5035	
510-62781-4	SB0058:TP2:040050	T	Solid	5035	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	5035	
510-62781-7	Sodium Biosulfate/Methanol Blank	T	Solid	5035	
Analysis Batch:510-77114					
LCS 510-77114/14	Lab Control Sample	T	Water	8260B	
MB 510-77114/16	Method Blank	T	Water	8260B	
510-62781-6	Trip Blank	T	Water	8260B	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 510-77007					
LCS 510-77007/2-A	Lab Control Sample	T	Solid	3541	
MB 510-77007/1-A	Method Blank	T	Solid	3541	
510-62781-1	SB0058:TP1:000020	T	Solid	3541	
510-62781-1MS	Matrix Spike	T	Solid	3541	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	3541	
510-62781-2	SB0058:TP1:040050	T	Solid	3541	
510-62781-3	SB0058:TP2:000020	T	Solid	3541	
510-62781-4	SB0058:TP2:040050	T	Solid	3541	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	3541	
Analysis Batch:510-77240					
LCS 510-77007/2-A	Lab Control Sample	T	Solid	8270C	510-77007
MB 510-77007/1-A	Method Blank	T	Solid	8270C	510-77007
510-62781-1	SB0058:TP1:000020	T	Solid	8270C	510-77007
510-62781-1MS	Matrix Spike	T	Solid	8270C	510-77007
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	8270C	510-77007
510-62781-2	SB0058:TP1:040050	T	Solid	8270C	510-77007
510-62781-3	SB0058:TP2:000020	T	Solid	8270C	510-77007
510-62781-4	SB0058:TP2:040050	T	Solid	8270C	510-77007
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	8270C	510-77007
Analysis Batch:510-77268					
LCS 510-77007/2-A	Lab Control Sample	T	Solid	8270C SIM	510-77007
MB 510-77007/1-A	Method Blank	T	Solid	8270C SIM	510-77007
510-62781-1	SB0058:TP1:000020	T	Solid	8270C SIM	510-77007
510-62781-1MS	Matrix Spike	T	Solid	8270C SIM	510-77007
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	8270C SIM	510-77007
510-62781-2	SB0058:TP1:040050	T	Solid	8270C SIM	510-77007
510-62781-3	SB0058:TP2:000020	T	Solid	8270C SIM	510-77007
510-62781-4	SB0058:TP2:040050	T	Solid	8270C SIM	510-77007
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	8270C SIM	510-77007
Analysis Batch:510-77355					
510-62781-1	SB0058:TP1:000020	T	Solid	8270C SIM	510-77007
510-62781-3	SB0058:TP2:000020	T	Solid	8270C SIM	510-77007

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Prep Batch: 500-106942					
510-62781-1	SB0058:TP1:000020	T	Solid	5035	
510-62781-1MS	Matrix Spike	T	Solid	5035	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	5035	
510-62781-2	SB0058:TP1:040050	T	Solid	5035	
510-62781-3	SB0058:TP2:000020	T	Solid	5035	
510-62781-4	SB0058:TP2:040050	T	Solid	5035	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	5035	
Analysis Batch:500-107159					
LCS 500-107159/4	Lab Control Sample	T	Solid	8015B	
MB 500-107159/3	Method Blank	T	Solid	8015B	
510-62781-1	SB0058:TP1:000020	T	Solid	8015B	500-106942
510-62781-1MS	Matrix Spike	T	Solid	8015B	500-106942
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	8015B	500-106942
510-62781-2	SB0058:TP1:040050	T	Solid	8015B	500-106942
510-62781-3	SB0058:TP2:000020	T	Solid	8015B	500-106942
510-62781-4	SB0058:TP2:040050	T	Solid	8015B	500-106942
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	8015B	500-106942

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Analysis Batch:510-76964					
LCS 510-76980/2-A	Lab Control Sample	T	Solid	8015B	510-76980
MB 510-76980/1-A	Method Blank	T	Solid	8015B	510-76980
510-62781-1	SB0058:TP1:000020	T	Solid	8015B	510-76980
510-62781-1MS	Matrix Spike	T	Solid	8015B	510-76980
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	8015B	510-76980
510-62781-2	SB0058:TP1:040050	T	Solid	8015B	510-76980
510-62781-3	SB0058:TP2:000020	T	Solid	8015B	510-76980
510-62781-4	SB0058:TP2:040050	T	Solid	8015B	510-76980
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	8015B	510-76980
Prep Batch: 510-76980					
LCS 510-76980/2-A	Lab Control Sample	T	Solid	3541	
MB 510-76980/1-A	Method Blank	T	Solid	3541	
510-62781-1	SB0058:TP1:000020	T	Solid	3541	
510-62781-1MS	Matrix Spike	T	Solid	3541	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	3541	
510-62781-2	SB0058:TP1:040050	T	Solid	3541	
510-62781-3	SB0058:TP2:000020	T	Solid	3541	
510-62781-4	SB0058:TP2:040050	T	Solid	3541	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	3541	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 510-76834					
LCS 510-76834/10-A ^10	Lab Control Sample	T	Solid	7471A	
MB 510-76834/9-A	Method Blank	T	Solid	7471A	
510-62781-1	SB0058:TP1:000020	T	Solid	7471A	
510-62781-1MS	Matrix Spike	T	Solid	7471A	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	7471A	
510-62781-2	SB0058:TP1:040050	T	Solid	7471A	
510-62781-3	SB0058:TP2:000020	T	Solid	7471A	
510-62781-4	SB0058:TP2:040050	T	Solid	7471A	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	7471A	
Prep Batch: 510-76967					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	3050B	
LCS 510-76967/2-A ^100	Lab Control Sample	T	Solid	3050B	
MB 510-76967/1-A	Method Blank	T	Solid	3050B	
MB 510-76967/1-A ^10	Method Blank	T	Solid	3050B	
MB 510-76967/1-A ^100	Method Blank	T	Solid	3050B	
510-62781-1	SB0058:TP1:000020	T	Solid	3050B	
510-62781-1MS	Matrix Spike	T	Solid	3050B	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	3050B	
510-62781-2	SB0058:TP1:040050	T	Solid	3050B	
510-62781-3	SB0058:TP2:000020	T	Solid	3050B	
510-62781-4	SB0058:TP2:040050	T	Solid	3050B	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	3050B	
Analysis Batch:510-76991					
LCS 510-76834/10-A ^10	Lab Control Sample	T	Solid	7471A	510-76834
MB 510-76834/9-A	Method Blank	T	Solid	7471A	510-76834
510-62781-1	SB0058:TP1:000020	T	Solid	7471A	510-76834
510-62781-1MS	Matrix Spike	T	Solid	7471A	510-76834
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	7471A	510-76834
510-62781-2	SB0058:TP1:040050	T	Solid	7471A	510-76834
510-62781-3	SB0058:TP2:000020	T	Solid	7471A	510-76834
510-62781-4	SB0058:TP2:040050	T	Solid	7471A	510-76834
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	7471A	510-76834
Analysis Batch:510-77092					
MB 510-76967/1-A	Method Blank	T	Solid	6020	510-76967
510-62781-1	SB0058:TP1:000020	T	Solid	6020	510-76967
510-62781-1MS	Matrix Spike	T	Solid	6020	510-76967
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:510-77288					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^10	Method Blank	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
Analysis Batch:510-77554					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^10	Method Blank	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967
Analysis Batch:510-77574					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^10	Method Blank	T	Solid	6020	510-76967
510-62781-1	SB0058:TP1:000020	T	Solid	6020	510-76967
510-62781-1MS	Matrix Spike	T	Solid	6020	510-76967
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967
Analysis Batch:510-77686					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^10	Method Blank	T	Solid	6020	510-76967
510-62781-1	SB0058:TP1:000020	T	Solid	6020	510-76967
510-62781-1MS	Matrix Spike	T	Solid	6020	510-76967
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967
Analysis Batch:510-77751					
LCS 510-76967/2-A ^10	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^10	Method Blank	T	Solid	6020	510-76967
510-62781-1	SB0058:TP1:000020	T	Solid	6020	510-76967
510-62781-1MS	Matrix Spike	T	Solid	6020	510-76967
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:510-77824					
LCS 510-76967/2-A ^100	Lab Control Sample	T	Solid	6020	510-76967
MB 510-76967/1-A ^100	Method Blank	T	Solid	6020	510-76967
510-62781-1	SB0058:TP1:000020	T	Solid	6020	510-76967
510-62781-1MS	Matrix Spike	T	Solid	6020	510-76967
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	6020	510-76967
510-62781-2	SB0058:TP1:040050	T	Solid	6020	510-76967
510-62781-3	SB0058:TP2:000020	T	Solid	6020	510-76967
510-62781-4	SB0058:TP2:040050	T	Solid	6020	510-76967
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	6020	510-76967

Report Basis
T = Total

General Chemistry

Analysis Batch:510-76924					
MB 510-76924/1	Method Blank	T	Solid	Moisture	
510-62781-1	SB0058:TP1:000020	T	Solid	Moisture	
510-62781-1MS	Matrix Spike	T	Solid	Moisture	
510-62781-1MSD	Matrix Spike Duplicate	T	Solid	Moisture	
510-62781-2	SB0058:TP1:040050	T	Solid	Moisture	
510-62781-3	SB0058:TP2:000020	T	Solid	Moisture	
510-62781-4	SB0058:TP2:040050	T	Solid	Moisture	
510-62781-5	SB0058: FIELD DUPLICATE	T	Solid	Moisture	

Report Basis
T = Total

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-1 **Client ID: SB0058:TP1:000020**

Sample Date/Time: 03/03/2011 10:15 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-1-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-1-A		510-77032	510-77047	03/08/2011 19:45	1	TAL VAL	WEH
P:3541	510-62781-J-1-D		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-1-D		510-77240	510-77007	03/11/2011 13:05	1	TAL VAL	WDS
P:3541	510-62781-J-1-D		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-1-D		510-77268	510-77007	03/11/2011 17:08	1	TAL VAL	WDS
P:3541	510-62781-J-1-D		510-77355	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-1-D		510-77355	510-77007	03/14/2011 13:38	1	TAL VAL	WDS
P:5035	510-62781-A-1-A		500-107159	500-106942	03/03/2011 10:15	1	TAL CHI	WRE
A:8015B	510-62781-A-1-A		500-107159	500-106942	03/09/2011 11:18	1	TAL CHI	WRE
P:3541	510-62781-J-1-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-1-A		510-76964	510-76980	03/07/2011 16:36	1	TAL VAL	CLI
P:3050B	510-62781-I-1-D ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-1-D ^5		510-77092	510-76967	03/09/2011 10:17	5	TAL VAL	DT
P:3050B	510-62781-I-1-D ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-D ^10		510-77574	510-76967	03/17/2011 17:20	10	TAL VAL	DT
P:3050B	510-62781-I-1-D ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-D ^10		510-77686	510-76967	03/18/2011 19:28	10	TAL VAL	DT
P:3050B	510-62781-I-1-D ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-1-D ^100		510-77824	510-76967	03/22/2011 16:57	100	TAL VAL	DT
P:7471A	510-62781-I-1-A		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-1-A		510-76991	510-76834	03/07/2011 14:09	1	TAL VAL	HWP
A:Moisture	510-62781-J-1		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-1 **Client ID: SB0058:TP1:000020**

Sample Date/Time: 03/03/2011 10:15 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-1-B MS		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-1-B MS		510-77032	510-77047	03/08/2011 20:20	1	TAL VAL	WEH
P:3541	510-62781-J-1-E MS		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-1-E MS		510-77240	510-77007	03/11/2011 13:23	1	TAL VAL	WDS
P:3541	510-62781-J-1-E MS		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-1-E MS		510-77268	510-77007	03/11/2011 17:25	1	TAL VAL	WDS
P:5035	510-62781-B-1-B MS		500-107159	500-106942	03/03/2011 10:15	1	TAL CHI	WRE
A:8015B	510-62781-B-1-B MS		500-107159	500-106942	03/09/2011 07:50	1	TAL CHI	WRE
P:3541	510-62781-J-1-B MS		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-1-B MS		510-76964	510-76980	03/07/2011 17:08	1	TAL VAL	CLI
P:3050B	510-62781-I-1-E MS ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-1-E MS ^5		510-77092	510-76967	03/09/2011 10:21	5	TAL VAL	DT
P:3050B	510-62781-I-1-E MS ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-E MS ^10		510-77574	510-76967	03/17/2011 17:23	10	TAL VAL	DT
P:3050B	510-62781-I-1-E MS ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-E MS ^10		510-77686	510-76967	03/18/2011 19:33	10	TAL VAL	DT
P:3050B	510-62781-I-1-E MS ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-1-E MS ^100		510-77824	510-76967	03/22/2011 17:00	100	TAL VAL	DT
P:7471A	510-62781-I-1-B MS		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-1-B MS		510-76991	510-76834	03/07/2011 14:11	1	TAL VAL	HWP
A:Moisture	510-62781-J-1 MS		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-1 **Client ID: SB0058:TP1:000020**

Sample Date/Time: 03/03/2011 10:15 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-1-C MSD		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-1-C MSD		510-77032	510-77047	03/08/2011 20:54	1	TAL VAL	WEH
P:3541	510-62781-J-1-F MSD		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-1-F MSD		510-77240	510-77007	03/11/2011 13:41	1	TAL VAL	WDS
P:3541	510-62781-J-1-F MSD		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-1-F MSD		510-77268	510-77007	03/11/2011 17:43	1	TAL VAL	WDS
P:5035	510-62781-B-1-C MSD		500-107159	500-106942	03/03/2011 10:15	1	TAL CHI	WRE
A:8015B	510-62781-B-1-C MSD		500-107159	500-106942	03/09/2011 08:25	1	TAL CHI	WRE
P:3541	510-62781-J-1-C MSD		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-1-C MSD		510-76964	510-76980	03/07/2011 17:41	1	TAL VAL	CLI
P:3050B	510-62781-I-1-F MSD ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-1-F MSD ^5		510-77092	510-76967	03/09/2011 10:24	5	TAL VAL	DT
P:3050B	510-62781-I-1-F MSD ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-F MSD ^10		510-77574	510-76967	03/17/2011 17:26	10	TAL VAL	DT
P:3050B	510-62781-I-1-F MSD ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-F MSD ^10		510-77686	510-76967	03/18/2011 19:37	10	TAL VAL	DT
P:3050B	510-62781-I-1-F MSD ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-1-F MSD ^100		510-77824	510-76967	03/22/2011 17:03	100	TAL VAL	DT
P:7471A	510-62781-I-1-C MSD		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-1-C MSD		510-76991	510-76834	03/07/2011 14:13	1	TAL VAL	HWP
A:Moisture	510-62781-J-1 MSD		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-1 SD **Client ID: SB0058:TP1:000020**

Sample Date/Time: 03/03/2011 10:15 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3050B	510-62781-I-1-D SD ^50		510-77574	510-76967	03/07/2011 09:45	50	TAL VAL	LWN
A:6020	510-62781-I-1-D SD ^50		510-77574	510-76967	03/17/2011 17:29	50	TAL VAL	DT
P:3050B	510-62781-I-1-D PDS ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-D PDS ^10		510-77574	510-76967	03/17/2011 17:32	10	TAL VAL	DT
P:3050B	510-62781-I-1-D PDS ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-1-D PDS ^10		510-77686	510-76967	03/18/2011 19:42	10	TAL VAL	DT
P:3050B	510-62781-I-1-D SD ^50		510-77686	510-76967	03/07/2011 09:45	50	TAL VAL	LWN
A:6020	510-62781-I-1-D SD ^50		510-77686	510-76967	03/18/2011 19:46	50	TAL VAL	DT
P:3050B	510-62781-I-1-D PDS ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-1-D PDS ^100		510-77824	510-76967	03/22/2011 17:05	100	TAL VAL	DT
P:3050B	510-62781-I-1-D SD ^500		510-77824	510-76967	03/07/2011 09:45	500	TAL VAL	LWN
A:6020	510-62781-I-1-D SD ^500		510-77824	510-76967	03/22/2011 17:08	500	TAL VAL	DT

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-2 **Client ID: SB0058:TP1:040050**

Sample Date/Time: 03/03/2011 10:20 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-2-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-2-A		510-77032	510-77047	03/08/2011 21:28	1	TAL VAL	WEH
P:3541	510-62781-J-2-B		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-2-B		510-77240	510-77007	03/11/2011 13:59	1	TAL VAL	WDS
P:3541	510-62781-J-2-B		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-2-B		510-77268	510-77007	03/11/2011 18:01	1	TAL VAL	WDS
P:5035	510-62781-B-2-A		500-107159	500-106942	03/03/2011 10:20	1	TAL CHI	WRE
A:8015B	510-62781-B-2-A		500-107159	500-106942	03/09/2011 08:59	1	TAL CHI	WRE
P:3541	510-62781-J-2-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-2-A		510-76964	510-76980	03/07/2011 18:13	1	TAL VAL	CLI
P:3050B	510-62781-I-2-B ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-2-B ^5		510-77092	510-76967	03/09/2011 10:40	5	TAL VAL	DT
P:3050B	510-62781-I-2-B ^10		510-77288	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-2-B ^10		510-77288	510-76967	03/11/2011 23:00	10	TAL VAL	MT
P:3050B	510-62781-I-2-B ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-2-B ^10		510-77554	510-76967	03/17/2011 11:18	10	TAL VAL	MT
P:3050B	510-62781-I-2-B ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-2-B ^10		510-77686	510-76967	03/18/2011 19:51	10	TAL VAL	DT
P:3050B	510-62781-I-2-B ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-2-B ^100		510-77824	510-76967	03/22/2011 17:10	100	TAL VAL	DT
P:7471A	510-62781-I-2-A		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-2-A		510-76991	510-76834	03/07/2011 14:20	1	TAL VAL	HWP
A:Moisture	510-62781-J-2		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-3 **Client ID: SB0058:TP2:000020**

Sample Date/Time: 03/03/2011 10:40 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-3-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-3-A		510-77032	510-77047	03/08/2011 22:03	1	TAL VAL	WEH
P:3541	510-62781-J-3-B		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-3-B		510-77240	510-77007	03/11/2011 14:17	1	TAL VAL	WDS
P:3541	510-62781-J-3-B		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-3-B		510-77268	510-77007	03/11/2011 18:19	1	TAL VAL	WDS
P:3541	510-62781-J-3-B		510-77355	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-3-B		510-77355	510-77007	03/14/2011 13:56	1	TAL VAL	WDS
P:5035	510-62781-B-3-A		500-107159	500-106942	03/03/2011 10:40	1	TAL CHI	WRE
A:8015B	510-62781-B-3-A		500-107159	500-106942	03/09/2011 09:34	1	TAL CHI	WRE
P:3541	510-62781-J-3-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-3-A		510-76964	510-76980	03/07/2011 18:45	1	TAL VAL	CLI
P:3050B	510-62781-I-3-B ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-3-B ^5		510-77092	510-76967	03/09/2011 10:43	5	TAL VAL	DT
P:3050B	510-62781-I-3-B ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-3-B ^10		510-77554	510-76967	03/17/2011 11:22	10	TAL VAL	MT
P:3050B	510-62781-I-3-B ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-3-B ^10		510-77686	510-76967	03/18/2011 19:55	10	TAL VAL	DT
P:3050B	510-62781-I-3-B ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-3-B ^100		510-77824	510-76967	03/22/2011 17:15	100	TAL VAL	DT
P:7471A	510-62781-I-3-A		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-3-A		510-76991	510-76834	03/07/2011 14:22	1	TAL VAL	HWP
A:Moisture	510-62781-J-3		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-4 **Client ID: SB0058:TP2:040050**

Sample Date/Time: 03/03/2011 10:50 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-4-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-4-A		510-77032	510-77047	03/08/2011 22:37	1	TAL VAL	WEH
P:3541	510-62781-J-4-B		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-4-B		510-77240	510-77007	03/11/2011 14:35	1	TAL VAL	WDS
P:3541	510-62781-J-4-B		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-4-B		510-77268	510-77007	03/11/2011 18:37	1	TAL VAL	WDS
P:5035	510-62781-B-4-A		500-107159	500-106942	03/03/2011 10:50	1	TAL CHI	WRE
A:8015B	510-62781-B-4-A		500-107159	500-106942	03/09/2011 10:09	1	TAL CHI	WRE
P:3541	510-62781-J-4-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-4-A		510-76964	510-76980	03/07/2011 19:17	1	TAL VAL	CLI
P:3050B	510-62781-I-4-B ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-4-B ^5		510-77092	510-76967	03/09/2011 10:47	5	TAL VAL	DT
P:3050B	510-62781-I-4-B ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-4-B ^10		510-77554	510-76967	03/17/2011 11:25	10	TAL VAL	MT
P:3050B	510-62781-I-4-B ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-4-B ^10		510-77686	510-76967	03/18/2011 20:00	10	TAL VAL	DT
P:3050B	510-62781-I-4-B ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-4-B ^100		510-77824	510-76967	03/22/2011 17:13	100	TAL VAL	DT
P:7471A	510-62781-I-4-A		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-4-A		510-76991	510-76834	03/07/2011 14:24	1	TAL VAL	HWP
A:Moisture	510-62781-J-4		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: 510-62781-5 **Client ID: SB0058: FIELD DUPLICATE**

Sample Date/Time: 03/03/2011 10:30 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-E-5-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-E-5-A		510-77032	510-77047	03/08/2011 23:12	1	TAL VAL	WEH
P:3541	510-62781-J-5-B		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	510-62781-J-5-B		510-77240	510-77007	03/11/2011 14:53	1	TAL VAL	WDS
P:3541	510-62781-J-5-B		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	510-62781-J-5-B		510-77268	510-77007	03/11/2011 18:55	1	TAL VAL	WDS
P:5035	510-62781-B-5-A		500-107159	500-106942	03/03/2011 10:30	1	TAL CHI	WRE
A:8015B	510-62781-B-5-A		500-107159	500-106942	03/09/2011 10:43	1	TAL CHI	WRE
P:3541	510-62781-J-5-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	510-62781-J-5-A		510-76964	510-76980	03/07/2011 19:48	1	TAL VAL	CLI
P:3050B	510-62781-I-5-B ^5		510-77092	510-76967	03/07/2011 09:45	5	TAL VAL	LWN
A:6020	510-62781-I-5-B ^5		510-77092	510-76967	03/09/2011 10:51	5	TAL VAL	DT
P:3050B	510-62781-I-5-B ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-5-B ^10		510-77554	510-76967	03/17/2011 15:07	10	TAL VAL	MT
P:3050B	510-62781-I-5-B ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	510-62781-I-5-B ^10		510-77686	510-76967	03/18/2011 20:13	10	TAL VAL	DT
P:3050B	510-62781-I-5-B ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	510-62781-I-5-B ^100		510-77824	510-76967	03/22/2011 17:23	100	TAL VAL	DT
P:7471A	510-62781-I-5-A		510-76991	510-76834	03/04/2011 13:30	1	TAL VAL	LWN
A:7471A	510-62781-I-5-A		510-76991	510-76834	03/07/2011 14:26	1	TAL VAL	HWP
A:Moisture	510-62781-J-5		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Lab ID: 510-62781-6 **Client ID: Trip Blank**

Sample Date/Time: 03/03/2011 11:00 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	510-62781-A-6		510-77114		03/09/2011 21:53	1	TAL VAL	JLH
A:8260B	510-62781-A-6		510-77114		03/09/2011 21:53	1	TAL VAL	JLH

Lab ID: 510-62781-7 **Client ID: Sodium Biosulfate/Methanol Blank**

Sample Date/Time: 03/03/2011 00:00 Received Date/Time: 03/03/2011 16:10

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5035	510-62781-B-7-A		510-77032	510-77047	03/04/2011 08:00	1	TAL VAL	JLH
A:8260B	510-62781-B-7-A		510-77032	510-77047	03/08/2011 23:46	1	TAL VAL	WEH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

Laboratory Chronicle

Lab ID: MB **Client ID: N/A**

Sample Date/Time: N/A Received Date/Time: N/A

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
A:8260B	MB 510-77032/11		510-77032		03/08/2011 18:02	1	TAL VAL	WEH
P:5030B	MB 510-77114/16		510-77114		03/09/2011 21:21	1	TAL VAL	JLH
A:8260B	MB 510-77114/16		510-77114		03/09/2011 21:21	1	TAL VAL	JLH
P:3541	MB 510-77007/1-A		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	MB 510-77007/1-A		510-77240	510-77007	03/11/2011 12:30	1	TAL VAL	WDS
P:3541	MB 510-77007/1-A		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	MB 510-77007/1-A		510-77268	510-77007	03/11/2011 16:14	1	TAL VAL	WDS
A:8015B	MB 500-107159/3		500-107159		03/09/2011 06:06	1	TAL CHI	WRE
P:3541	MB 510-76980/1-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	MB 510-76980/1-A		510-76964	510-76980	03/07/2011 15:32	1	TAL VAL	CLI
P:3050B	MB 510-76967/1-A		510-77092	510-76967	03/07/2011 09:45	1	TAL VAL	LWN
A:6020	MB 510-76967/1-A		510-77092	510-76967	03/09/2011 09:50	1	TAL VAL	DT
P:3050B	MB 510-76967/1-A ^10		510-77288	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	MB 510-76967/1-A ^10		510-77288	510-76967	03/11/2011 22:08	10	TAL VAL	MT
P:3050B	MB 510-76967/1-A ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	MB 510-76967/1-A ^10		510-77554	510-76967	03/17/2011 10:41	10	TAL VAL	MT
P:3050B	MB 510-76967/1-A ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	MB 510-76967/1-A ^10		510-77574	510-76967	03/17/2011 17:14	10	TAL VAL	DT
P:3050B	MB 510-76967/1-A ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	MB 510-76967/1-A ^10		510-77686	510-76967	03/18/2011 19:19	10	TAL VAL	DT
P:3050B	MB 510-76967/1-A ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	MB 510-76967/1-A ^100		510-77824	510-76967	03/22/2011 16:52	100	TAL VAL	DT
A:Moisture	MB 510-76924/1		510-76924		03/05/2011 17:45	1	TAL VAL	JLH

Client: Weaver Boos Consultants LLC Job Number: 510-62781-1

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 510-77032/12		510-77032		03/08/2011 18:36	1	TAL VAL	WEH
P:5030B	LCS 510-77114/14		510-77114		03/09/2011 20:14	1	TAL VAL	JLH
A:8260B	LCS 510-77114/14		510-77114		03/09/2011 20:14	1	TAL VAL	JLH
P:3541	LCS 510-77007/2-A		510-77240	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C	LCS 510-77007/2-A		510-77240	510-77007	03/11/2011 12:47	1	TAL VAL	WDS
P:3541	LCS 510-77007/2-A		510-77268	510-77007	03/08/2011 07:55	1	TAL VAL	SNP
A:8270C SIM	LCS 510-77007/2-A		510-77268	510-77007	03/11/2011 16:32	1	TAL VAL	WDS
A:8015B	LCS 500-107159/4		500-107159		03/09/2011 06:41	1	TAL CHI	WRE
P:3541	LCS 510-76980/2-A		510-76964	510-76980	03/07/2011 11:57	1	TAL VAL	SNP
A:8015B	LCS 510-76980/2-A		510-76964	510-76980	03/07/2011 16:04	1	TAL VAL	CLI
P:3050B	LCS 510-76967/2-A ^10		510-77288	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	LCS 510-76967/2-A ^10		510-77288	510-76967	03/11/2011 22:13	10	TAL VAL	MT
P:3050B	LCS 510-76967/2-A ^10		510-77554	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	LCS 510-76967/2-A ^10		510-77554	510-76967	03/17/2011 10:44	10	TAL VAL	MT
P:3050B	LCS 510-76967/2-A ^10		510-77574	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	LCS 510-76967/2-A ^10		510-77574	510-76967	03/17/2011 17:17	10	TAL VAL	DT
P:3050B	LCS 510-76967/2-A ^10		510-77686	510-76967	03/07/2011 09:45	10	TAL VAL	LWN
A:6020	LCS 510-76967/2-A ^10		510-77686	510-76967	03/18/2011 19:24	10	TAL VAL	DT
P:3050B	LCS 510-76967/2-A ^100		510-77824	510-76967	03/07/2011 09:45	100	TAL VAL	LWN
A:6020	LCS 510-76967/2-A ^100		510-77824	510-76967	03/22/2011 16:55	100	TAL VAL	DT
P:7471A	LCS 510-76834/10-A ^10		510-76991	510-76834	03/03/2011 15:18	10	TAL VAL	LWN
A:7471A	LCS 510-76834/10-A ^10		510-76991	510-76834	03/07/2011 13:27	10	TAL VAL	HWP

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

8260B

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

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
SB0058:TP1:000020	510-62781-1	109	97	101
SB0058:TP1:040050	510-62781-2	106	97	100
SB0058:TP2:000020	510-62781-3	107	94	115
SB0058:TP2:040050	510-62781-4	108	98	101
SB0058: FIELD DUPLICATE	510-62781-5	106	97	99
Sodium Biosulfate/Methanol Blank	510-62781-7	110	97	98
	MB 510-77032/11	90	86	102
	LCS 510-77032/12	101	100	105
SB0058:TP1:000020 MS	510-62781-1 MS	110	98	100
SB0058:TP1:000020 MSD	510-62781-1 MSD	107	100	100

	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.: 510-62781-1

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	510-62781-6	101	96	95
	MB 510-77114/16	104	97	101
	LCS 510-77114/14	104	99	102

	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8114.D

Lab ID: LCS 510-77032/12 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Bromomethane	0.0500	0.0548	110	32-171	
Acetone	0.0500	0.0645	129	10-196	
Carbon disulfide	0.0500	0.0600	120	33-200	
Chloroethane	0.0500	0.0556	111	53-139	
Chloromethane	0.0500	0.0463	93	44-148	
1,1-Dichlorethylene	0.0500	0.0658	132	57-149	
cis-1,2-Dichloroethylene	0.0500	0.0527	105	81-122	
Chloroform	0.0500	0.0591	118	77-124	
1,1-Dichloroethane	0.0500	0.0610	122	80-123	
Cyclohexane	0.0500	0.0791	158	79-136	*
1,2-Dichloroethane	0.0500	0.0549	110	72-130	
Carbon tetrachloride	0.0500	0.0679	136	70-139	
Benzene	0.0500	0.0682	136	81-116	*
Iodomethane	0.0500	0.126	251	46-191	*
1,2-Dichloropropane	0.0500	0.0595	119	77-122	
Bromodichloromethane	0.0500	0.0592	118	72-132	
Methyl acetate	0.0500	0.0599	120	36-152	
cis-1,3-Dichloropropene	0.0500	0.0633	127	61-127	
Methylcyclohexane	0.0500	0.0752	150	78-135	*
Methylene Chloride	0.0500	0.0506	101	72-131	
Methyl ethyl ketone (MEK)	0.0500	0.0517	103	40-164	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0512	102	63-133	
Methyl tert-butyl ether	0.0500	0.0577	115	70-125	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0586	117	35-164	
n-Butanol	0.0500	0.833	1666		
Chlorodibromomethane	0.0500	0.0549	110	73-130	
n-Hexane	0.0500	0.0798	160	69-145	*
1,2-Dibromoethane	0.0500	0.0539	108	74-124	
Chlorobenzene	0.0500	0.0592	118	74-123	
1,1,1,2-Tetrachloroethane	0.0500	0.0599	120	81-120	
Ethylbenzene	0.0500	0.0694	139	84-124	*
m-Xylene & p-Xylene	0.100	0.140	140	80-127	*
Tetrachloroethylene	0.0500	0.0661	132	82-127	*
o-Xylene	0.0500	0.0613	123	79-126	
Toluene	0.0500	0.0633	127	77-117	*
Styrene	0.0500	0.0605	121	80-116	*
Bromoform	0.0500	0.0535	107	67-135	
trans-1,2-Dichloroethylene	0.0500	0.0638	128	82-129	
Isopropylbenzene	0.0500	0.0710	142	79-125	*
trans-1,3-Dichloropropene	0.0500	0.0612	122	63-133	
1,1,1-Trichloroethane	0.0500	0.0658	132	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8114.D

Lab ID: LCS 510-77032/12 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,1,2,2-Tetrachloroethane	0.0500	0.0516	103	70-128	
1,1,2-Trichloroethane	0.0500	0.0528	106	70-127	
n-Propylbenzene	0.0500	0.0691	138	82-129	*
Trichloroethene	0.0500	0.0609	122	81-122	
Trichlorofluoromethane	0.0500	0.0496	99	72-135	
1,2,4-Trimethylbenzene	0.0500	0.0692	138	78-126	*
1,3,5-Trimethylbenzene	0.0500	0.0662	132	81-126	*
Vinyl acetate	0.100	0.0957	96	63-150	
Vinyl chloride	0.0500	0.0421	84	60-137	
Xylenes, Total	0.150	0.201	134	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.: 510-62781-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A6493.D

Lab ID: LCS 510-77114/14 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Bromomethane	0.0500	0.0485	97	58-141	
Acetone	0.0500	0.0704	141	10-200	
Carbon disulfide	0.0500	0.0561	112	46-200	
Chloroethane	0.0500	0.0552	110	56-139	
Chloromethane	0.0500	0.0435	87	58-141	
1,1-Dichlorethylene	0.0500	0.0562	112	56-158	
cis-1,2-Dichloroethylene	0.0500	0.0541	108	82-123	
Chloroform	0.0500	0.0509	102	78-125	
1,1-Dichloroethane	0.0500	0.0512	102	71-130	
Cyclohexane	0.0500	0.0529	106	63-140	
1,2-Dichloroethane	0.0500	0.0512	102	75-131	
Carbon tetrachloride	0.0500	0.0502	100	73-131	
Benzene	0.0500	0.0509	102	78-117	
Iodomethane	0.0500	0.0476	95	83-200	
1,2-Dichloropropane	0.0500	0.0524	105	81-124	
Bromodichloromethane	0.0500	0.0517	103	79-131	
Methyl acetate	0.0500	0.0712	142	42-140	*
cis-1,3-Dichloropropene	0.0500	0.0525	105	74-122	
Methylcyclohexane	0.0500	0.0505	101	84-134	
Methylene Chloride	0.0500	0.0473	95	72-129	
Methyl ethyl ketone (MEK)	0.0500	0.0694	139	32-182	
4-Methyl-2-pentanone (MIBK)	0.0500	0.0539	108	52-148	
Methyl tert-butyl ether	0.0500	0.0613	123	70-130	
Methyl Butyl Ketone (2-Hexanone)	0.0500	0.0661	132	52-156	
n-Butanol	0.0500	<0.10	0	70-130	*
Chlorodibromomethane	0.0500	0.0530	106	87-127	
n-Hexane	0.0500	0.0545	109	75-141	
1,2-Dibromoethane	0.0500	0.0508	102	74-130	
Chlorobenzene	0.0500	0.0542	108	76-112	
1,1,1,2-Tetrachloroethane	0.0500	0.0520	104	79-128	
Ethylbenzene	0.0500	0.0542	108	78-125	
m-Xylene & p-Xylene	0.100	0.106	106	77-123	
Tetrachloroethylene	0.0500	0.0518	104	77-123	
o-Xylene	0.0500	0.0552	110	78-121	
Toluene	0.0500	0.0510	102	76-114	
Styrene	0.0500	0.0544	109	74-115	
Bromoform	0.0500	0.0520	104	64-137	
trans-1,2-Dichloroethylene	0.0500	0.0532	106	51-148	
Isopropylbenzene	0.0500	0.0535	107	71-139	
trans-1,3-Dichloropropene	0.0500	0.0536	107	76-125	
1,1,1-Trichloroethane	0.0500	0.0524	105	76-130	

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.: 510-62781-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A6493.D

Lab ID: LCS 510-77114/14 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,1,2,2-Tetrachloroethane	0.0500	0.0535	107	70-125	
1,1,2-Trichloroethane	0.0500	0.0535	107	71-126	
n-Propylbenzene	0.0500	0.0542	108	74-132	
Trichloroethene	0.0500	0.0515	103	80-122	
Trichlorofluoromethane	0.0500	0.0511	102	68-125	
1,2,4-Trimethylbenzene	0.0500	0.0551	110	84-126	
1,3,5-Trimethylbenzene	0.0500	0.0524	105	75-128	
Vinyl acetate	0.100	0.0981	98	65-161	
Vinyl chloride	0.0500	0.0476	95	61-149	
Xylenes, Total	0.150	0.161	107	80-127	

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8117.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acetone	0.0662	0.070	0.0924	34	10-196	
Benzene	0.0662	<0.0068	0.0813	123	81-116	F
Bromodichloromethane	0.0662	<0.0068	0.0709	107	72-132	
Bromoform	0.0662	<0.0068	0.0658	99	67-135	
Bromomethane	0.0662	<0.0068	0.0738	111	32-171	
Carbon disulfide	0.0662	<0.0068	0.0717	108	33-200	
Carbon tetrachloride	0.0662	<0.0068	0.0823	124	70-139	
Chlorobenzene	0.0662	<0.0068	0.0661	100	74-123	
Chlorodibromomethane	0.0662	<0.0068	0.0671	101	73-130	
Chloroethane	0.0662	<0.0068	0.0852	129	53-139	
Chloroform	0.0662	<0.0068	0.0730	110	77-124	
Chloromethane	0.0662	<0.0068	0.0671	101	44-148	
cis-1,2-Dichloroethylene	0.0662	<0.0068	0.0759	115	81-122	
cis-1,3-Dichloropropene	0.0662	<0.0068	0.0715	108	61-127	
Cyclohexane	0.0662	<0.0068	0.0957	144	79-136	F
1,2-Dibromoethane	0.0662	<0.0068	0.0677	102	74-124	
1,1-Dichlorethylene	0.0662	<0.0068	0.0796	120	57-149	
1,1-Dichloroethane	0.0662	<0.0068	0.0735	111	80-123	
1,2-Dichloroethane	0.0662	<0.0068	0.0693	105	72-130	
1,2-Dichloropropane	0.0662	<0.0068	0.0732	111	77-122	
Ethylbenzene	0.0662	<0.0068	0.0774	117	84-124	
Iodomethane	0.0662	<0.014	0.134	203	46-191	F
Isopropylbenzene	0.0662	<0.0068	0.0809	122	79-125	
Methyl acetate	0.0662	<0.0068	0.0527	80	36-152	
Methyl Butyl Ketone (2-Hexanone)	0.0662	<0.014	0.0710	107	35-164	
Methylcyclohexane	0.0662	<0.0068	0.0889	134	78-135	
Methylene Chloride	0.0662	<0.0068	0.0610	92	72-131	
Methyl ethyl ketone (MEK)	0.0662	<0.014	0.0721	94	40-164	
4-Methyl-2-pentanone (MIBK)	0.0662	<0.014	0.0765	115	63-133	
Methyl tert-butyl ether	0.0662	<0.0068	0.0770	116	70-125	
m-Xylene & p-Xylene	0.132	<0.0068	0.155	117	80-127	
n-Butanol	0.0662	<0.14	<0.13	0		
n-Hexane	0.0662	<0.0068	0.0958	145	69-145	
n-Propylbenzene	0.0662	<0.0068	0.0735	111	82-129	
o-Xylene	0.0662	<0.0068	0.0692	104	79-126	
Styrene	0.0662	<0.0068	0.0548	83	80-116	
1,1,1,2-Tetrachloroethane	0.0662	<0.0068	0.0700	106	81-120	
1,1,2,2-Tetrachloroethane	0.0662	<0.0068	0.0636	96	70-128	
Tetrachloroethylene	0.0662	<0.0068	0.0765	116	82-127	
Toluene	0.0662	<0.0068	0.0739	112	77-117	
trans-1,2-Dichloroethylene	0.0662	<0.0068	0.0751	113	82-129	

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8117.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
trans-1,3-Dichloropropene	0.0662	<0.0068	0.0726	110	63-133	
1,1,1-Trichloroethane	0.0662	<0.0068	0.0792	120	78-125	
1,1,2-Trichloroethane	0.0662	<0.0068	0.0666	101	70-127	
Trichloroethene	0.0662	<0.0068	0.0714	108	81-122	
Trichlorofluoromethane	0.0662	<0.0068	0.0780	118	72-135	
1,2,4-Trimethylbenzene	0.0662	<0.0068	0.0696	105	78-126	
1,3,5-Trimethylbenzene	0.0662	<0.0068	0.0696	105	81-126	
Vinyl acetate	0.132	<0.0068	0.0897	68	63-150	
Vinyl chloride	0.0662	<0.0068	0.0632	95	60-137	
Xylenes, Total	0.199	<0.014	0.224	113	83-124	

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8118.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acetone	0.0676	0.101	47	9	30	10-196	
Benzene	0.0676	0.0798	118	2	30	81-116	F
Bromodichloromethane	0.0676	0.0696	103	2	30	72-132	
Bromoform	0.0676	0.0664	98	1	30	67-135	
Bromomethane	0.0676	0.0869	128	16	30	32-171	
Carbon disulfide	0.0676	0.0727	108	1	30	33-200	
Carbon tetrachloride	0.0676	0.0786	116	5	30	70-139	
Chlorobenzene	0.0676	0.0648	96	2	30	74-123	
Chlorodibromomethane	0.0676	0.0662	98	1	30	73-130	
Chloroethane	0.0676	0.0963	142	12	30	53-139	F
Chloroform	0.0676	0.0712	105	2	30	77-124	
Chloromethane	0.0676	0.0881	130	27	30	44-148	
cis-1,2-Dichloroethylene	0.0676	0.0746	110	2	30	81-122	
cis-1,3-Dichloropropene	0.0676	0.0716	106	0	30	61-127	
Cyclohexane	0.0676	0.0931	138	3	30	79-136	F
1,2-Dibromoethane	0.0676	0.0672	99	1	30	74-124	
1,1-Dichlorethylene	0.0676	0.0788	117	1	30	57-149	
1,1-Dichloroethane	0.0676	0.0731	108	0	30	80-123	
1,2-Dichloroethane	0.0676	0.0673	100	3	30	72-130	
1,2-Dichloropropane	0.0676	0.0718	106	2	30	77-122	
Ethylbenzene	0.0676	0.0761	112	2	30	84-124	
Iodomethane	0.0676	0.134	198	0	30	46-191	F
Isopropylbenzene	0.0676	0.0795	118	2	30	79-125	
Methyl acetate	0.0676	0.0542	80	3	30	36-152	
Methyl Butyl Ketone (2-Hexanone)	0.0676	0.0705	104	1	30	35-164	
Methylcyclohexane	0.0676	0.0873	129	2	30	78-135	
Methylene Chloride	0.0676	0.0602	89	1	30	72-131	
Methyl ethyl ketone (MEK)	0.0676	0.0720	92	0	30	40-164	
4-Methyl-2-pentanone (MIBK)	0.0676	0.0767	113	0	30	63-133	
Methyl tert-butyl ether	0.0676	0.0759	112	2	30	70-125	
m-Xylene & p-Xylene	0.135	0.153	113	1	30	80-127	
n-Butanol	0.0676	<0.14	0	NC			
n-Hexane	0.0676	0.0944	140	2	30	69-145	
n-Propylbenzene	0.0676	0.0709	105	4	30	82-129	
o-Xylene	0.0676	0.0689	102	0	30	79-126	
Styrene	0.0676	0.0542	80	1	30	80-116	
1,1,1,2-Tetrachloroethane	0.0676	0.0668	99	5	30	81-120	
1,1,2,2-Tetrachloroethane	0.0676	0.0623	92	2	30	70-128	
Tetrachloroethylene	0.0676	0.0754	112	1	30	82-127	
Toluene	0.0676	0.0728	108	1	30	77-117	
trans-1,2-Dichloroethylene	0.0676	0.0758	112	1	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: E8118.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
trans-1,3-Dichloropropene	0.0676	0.0715	106	2	30	63-133	
1,1,1-Trichloroethane	0.0676	0.0775	115	2	30	78-125	
1,1,2-Trichloroethane	0.0676	0.0668	99	0	30	70-127	
Trichloroethene	0.0676	0.0708	105	1	30	81-122	
Trichlorofluoromethane	0.0676	0.0794	117	2	30	72-135	
1,2,4-Trimethylbenzene	0.0676	0.0667	99	4	30	78-126	
1,3,5-Trimethylbenzene	0.0676	0.0667	99	4	30	81-126	
Vinyl acetate	0.135	0.0884	65	1	30	63-150	
Vinyl chloride	0.0676	0.0701	104	10	30	60-137	
Xylenes, Total	0.203	0.222	109	1	30	83-124	

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.: 510-62781-1

SDG No.:

Lab File ID: E8113.D Lab Sample ID: MB 510-77032/11

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

Instrument ID: VMSA Date Analyzed: 03/08/2011 18:02

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 510-77032/12	E8114.D	03/08/2011 18:36
SB0058:TP1:000020	510-62781-1	E8116.D	03/08/2011 19:45
SB0058:TP1:000020 MS	510-62781-1 MS	E8117.D	03/08/2011 20:20
SB0058:TP1:000020 MSD	510-62781-1 MSD	E8118.D	03/08/2011 20:54
SB0058:TP1:040050	510-62781-2	E8119.D	03/08/2011 21:28
SB0058:TP2:000020	510-62781-3	E8120.D	03/08/2011 22:03
SB0058:TP2:040050	510-62781-4	E8121.D	03/08/2011 22:37
SB0058: FIELD DUPLICATE	510-62781-5	E8122.D	03/08/2011 23:12
Sodium Biosulfate/Methanol Blank	510-62781-7	E8123.D	03/08/2011 23:46

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: A6495.D Lab Sample ID: MB 510-77114/16

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

Instrument ID: VMSB Date Analyzed: 03/09/2011 21:21

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 510-77114/14	A6493.D	03/09/2011 20:14
Trip Blank	510-62781-6	A6496.D	03/09/2011 21:53

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: E8103.D BFB Injection Date: 03/08/2011

Instrument ID: VMSA BFB Injection Time: 12:23

Analysis Batch No.: 77032

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	25.1	
75	30.0 - 60.0 % of mass 95	56.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.2	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	80.7	
175	5.0 - 9.0 % of mass 174	6.1	(7.5)1
176	95.0 - 101.0 % of mass 174	78.3	(97.0)1
177	5.0 - 9.0 % of mass 176	5.2	(6.6)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 510-77032/2	E8104.D	03/08/2011	12:53
	STD010 510-77032/3	E8105.D	03/08/2011	13:27
	STD020 510-77032/4	E8106.D	03/08/2011	14:02
	STD050 510-77032/5	E8107.D	03/08/2011	14:36
	STD100 510-77032/6	E8108.D	03/08/2011	15:10
	STD150 510-77032/7	E8109.D	03/08/2011	15:44
	STD200 510-77032/8	E8110.D	03/08/2011	16:19
	MB 510-77032/11	E8113.D	03/08/2011	18:02
	LCS 510-77032/12	E8114.D	03/08/2011	18:36
SB0058:TP1:000020	510-62781-1	E8116.D	03/08/2011	19:45
SB0058:TP1:000020 MS	510-62781-1 MS	E8117.D	03/08/2011	20:20
SB0058:TP1:000020 MSD	510-62781-1 MSD	E8118.D	03/08/2011	20:54
SB0058:TP1:040050	510-62781-2	E8119.D	03/08/2011	21:28
SB0058:TP2:000020	510-62781-3	E8120.D	03/08/2011	22:03
SB0058:TP2:040050	510-62781-4	E8121.D	03/08/2011	22:37
SB0058: FIELD DUPLICATE	510-62781-5	E8122.D	03/08/2011	23:12
Sodium Biosulfate/Methanol Blank	510-62781-7	E8123.D	03/08/2011	23:46

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: A6480.D BFB Injection Date: 03/09/2011

Instrument ID: VMSB BFB Injection Time: 13:19

Analysis Batch No.: 77114

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.2	
75	30.0 - 60.0 % of mass 95	55.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	75.0	
175	5.0 - 9.0 % of mass 174	6.2	(8.3)1
176	95.0 - 101.0 % of mass 174	72.9	(97.2)1
177	5.0 - 9.0 % of mass 176	4.7	(6.5)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 510-77114/2	A6481.D	03/09/2011	13:45
	STD002 510-77114/3	A6482.D	03/09/2011	14:17
	STD005 510-77114/4	A6483.D	03/09/2011	14:49
	STD020 510-77114/6	A6485.D	03/09/2011	15:54
	STD050 510-77114/7	A6486.D	03/09/2011	16:26
	STD100 510-77114/8	A6487.D	03/09/2011	16:58
	STD150 510-77114/9	A6488.D	03/09/2011	17:30
	STD200 510-77114/10	A6489.D	03/09/2011	18:02
	STD010 510-77114/13	A6492.D	03/09/2011	19:38
	LCS 510-77114/14	A6493.D	03/09/2011	20:14
	MB 510-77114/16	A6495.D	03/09/2011	21:21
Trip Blank	510-62781-6	A6496.D	03/09/2011	21:53

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Sample No.: STD050 510-77032/5 Date Analyzed: 03/08/2011 14:36

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

Lab File ID (Standard): E8107.D Heated Purge: (Y/N) N

Calibration ID: 3793

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1324410	6.91	938250	10.65	555160	13.92
UPPER LIMIT		2648820	7.41	1876500	11.15	1110320	14.42
LOWER LIMIT		662205	6.41	469125	10.15	277580	13.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-77032/11		1429464	6.91	891690	10.65	480327	13.92
LCS 510-77032/12		1324181	6.91	927907	10.65	528362	13.92
510-62781-1	SB0058:TP1:000020	1221251	6.91	883165	10.65	508937	13.92
510-62781-1 MS	SB0058:TP1:000020 MS	1340618	6.91	942164	10.65	571194	13.92
510-62781-1 MSD	SB0058:TP1:000020 MSD	1396685	6.91	996752	10.65	611669	13.92
510-62781-2	SB0058:TP1:040050	1304172	6.91	949166	10.65	556522	13.92
510-62781-3	SB0058:TP2:000020	1170091	6.91	759493	10.65	327360	13.92
510-62781-4	SB0058:TP2:040050	1244595	6.91	915067	10.65	533014	13.92
510-62781-5	SB0058: FIELD DUPLICATE	1244944	6.91	906923	10.65	525442	13.92
510-62781-7	Sodium Biosulfate/Methanol Blank	1205494	6.91	877604	10.65	518120	13.92

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Sample No.: STD050 510-77114/7 Date Analyzed: 03/09/2011 16:26

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

Lab File ID (Standard): A6486.D Heated Purge: (Y/N) N

Calibration ID: 3794

		FB		CBZ		DCB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		243746	5.61	122845	8.81	89512	11.55
UPPER LIMIT		487492	6.11	245690	9.31	179024	12.05
LOWER LIMIT		121873	5.11	61423	8.31	44756	11.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 510-77114/14		261254	5.61	124598	8.81	89166	11.55
MB 510-77114/16		258769	5.61	123733	8.81	87213	11.55
510-62781-6	Trip Blank	266330	5.61	121894	8.80	87750	11.55

FB = Fluorobenzene
CBZ = Chlorobenzene-d5
DCB = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: E8116.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 31.880(g) | Date Analyzed: 03/08/2011 19:45

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.070		0.014	0.0027
107-02-8	Acrolein	<0.27		0.27	0.0033
71-43-2	Benzene	<0.0068	*	0.0068	0.0015
75-27-4	Bromodichloromethane	<0.0068		0.0068	0.00069
75-25-2	Bromoform	<0.0068		0.0068	0.0020
74-83-9	Bromomethane	<0.0068		0.0068	0.0024
75-15-0	Carbon disulfide	<0.0068		0.0068	0.0017
56-23-5	Carbon tetrachloride	<0.0068		0.0068	0.0016
108-90-7	Chlorobenzene	<0.0068		0.0068	0.00091
124-48-1	Chlorodibromomethane	<0.0068		0.0068	0.00068
75-00-3	Chloroethane	<0.0068		0.0068	0.0023
67-66-3	Chloroform	<0.0068		0.0068	0.0014
74-87-3	Chloromethane	<0.0068		0.0068	0.0019
156-59-2	cis-1,2-Dichloroethylene	<0.0068		0.0068	0.0016
10061-01-5	cis-1,3-Dichloropropene	<0.0068		0.0068	0.00068
110-82-7	Cyclohexane	<0.0068	*	0.0068	0.0021
106-93-4	1,2-Dibromoethane	<0.0068		0.0068	0.00068
75-35-4	1,1-Dichlorethylene	<0.0068		0.0068	0.0024
75-34-3	1,1-Dichloroethane	<0.0068		0.0068	0.0022
107-06-2	1,2-Dichloroethane	<0.0068		0.0068	0.0013
78-87-5	1,2-Dichloropropane	<0.0068		0.0068	0.0012
542-75-6	1,3-Dichloropropene, Total	<0.014		0.014	
141-78-6	Ethyl acetate	<0.0068		0.0068	0.0014
100-41-4	Ethylbenzene	<0.0068	*	0.0068	0.0011
74-88-4	Iodomethane	<0.014	*	0.014	0.0050
98-82-8	Isopropylbenzene	<0.0068	*	0.0068	0.0010
79-20-9	Methyl acetate	<0.0068		0.0068	0.0010
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.014		0.014	0.0011
108-87-2	Methylcyclohexane	<0.0068	*	0.0068	0.0017
75-09-2	Methylene Chloride	<0.0068		0.0068	0.0017
78-93-3	Methyl ethyl ketone (MEK)	<0.014		0.014	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.014		0.014	0.00068
1634-04-4	Methyl tert-butyl ether	<0.0068		0.0068	0.0012
71-36-3	n-Butanol	<0.14		0.14	0.020
110-54-3	n-Hexane	<0.0068	*	0.0068	0.0027
103-65-1	n-Propylbenzene	<0.0068	*	0.0068	0.0027

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: E8116.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 31.880(g) | Date Analyzed: 03/08/2011 19:45

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0068	*	0.0068	0.00092
630-20-6	1,1,1,2-Tetrachloroethane	<0.0068		0.0068	0.00094
79-34-5	1,1,2,2-Tetrachloroethane	<0.0068		0.0068	0.0015
127-18-4	Tetrachloroethylene	<0.0068	*	0.0068	0.0015
108-88-3	Toluene	<0.0068	*	0.0068	0.0015
156-60-5	trans-1,2-Dichloroethylene	<0.0068		0.0068	0.0023
10061-02-6	trans-1,3-Dichloropropene	<0.0068		0.0068	0.00068
71-55-6	1,1,1-Trichloroethane	<0.0068	*	0.0068	0.0016
79-00-5	1,1,2-Trichloroethane	<0.0068		0.0068	0.00094
79-01-6	Trichloroethene	<0.0068		0.0068	0.0016
75-69-4	Trichlorofluoromethane	<0.0068		0.0068	0.0024
95-63-6	1,2,4-Trimethylbenzene	<0.0068	*	0.0068	0.0027
108-67-8	1,3,5-Trimethylbenzene	<0.0068	*	0.0068	0.0010
108-05-4	Vinyl acetate	<0.0068		0.0068	0.0017
75-01-4	Vinyl chloride	<0.0068		0.0068	0.0031
1330-20-7	Xylenes, Total	<0.014	*	0.014	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		76-137
2037-26-5	Toluene-d8 (Surr)	97		70-130

Report Date: 09-Mar-2011 04:10:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D
Lims ID: 510-62781-E-1-A Client ID: SB0058:TP1:000020
Inject. Date: 08-Mar-2011 19:45:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-62781-E-1-A
Misc. Info.: 510-0004493-014 =510-0004493-014
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 14
Lims Batch ID: 77032 Lims Sample ID: 14
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m
Last Update: 08-Mar-2011 17:05:40 Calib Date: 08-Mar-2011 16:19:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 09-Mar-2011 04:10:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	0	1221251	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	883165	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	97	508937	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.532	6.520	0.012	0	461261	54.5	
$ 100 BFB	95	6.910	7.159	-0.249	0	113029	0	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	95	1136436	48.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	84	490903	50.6	
9 Chloromethane	50	2.280	2.244	0.036	52	2189	0.2724	
18 Acetone	58	3.807	3.801	0.006	99	51964	51.2	
20 Carbon disulfide	76	3.996	3.959	0.037	88	2970	0.2283	
21 Methyl acetate	43	4.154	4.142	0.012	59	1739	0.2512	
34 2-Butanone (MEK)	72	5.644	5.638	0.006	93	9239	7.10	
95 Tetrahydrofuran	42	5.948	5.948	0.0	0	5856	1.89	
45 Trichloroethene	132	7.329	7.323	0.006	71	3071	0.5061	
57 Tetrachloroethene	164	9.568	9.568	0.0	75	1096	0.2155	
66 o-Xylene	91	11.545	11.539	0.006	94	6260	0.2601	
74 N-Propylbenzene	91	12.634	12.634	0.0	97	6771	0.2123	
99 1,2,3-Trimethylbenzene	105	14.039	14.033	0.006	0	5502	0.2189	
89 Naphthalene	128	17.227	17.227	0.0	99	10876	0.5874	
S 91 Xylenes, Total	100				0		0.2601	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:10:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D

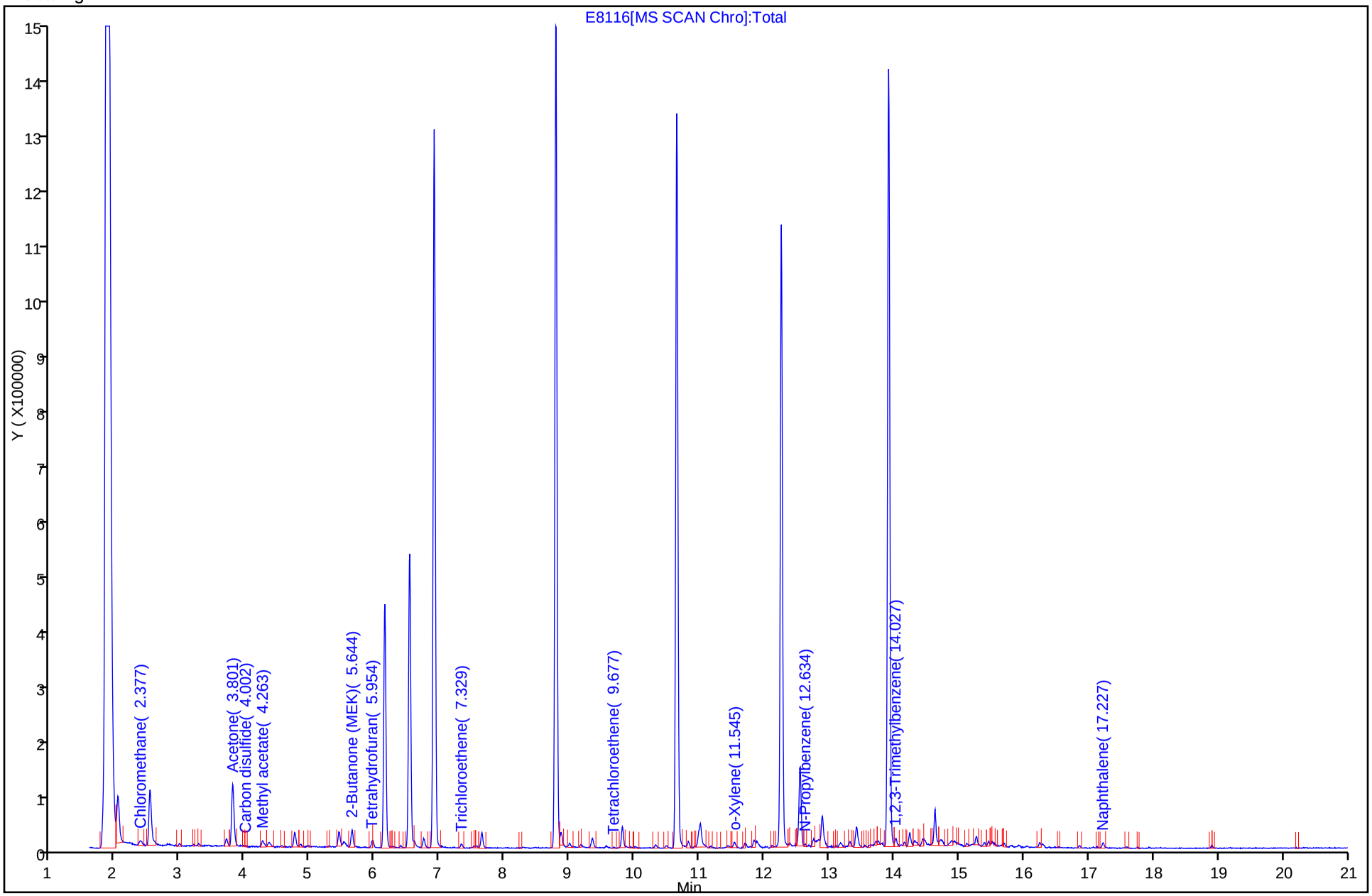
Injection Date: 08-Mar-2011 19:45:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP1:000020 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 14

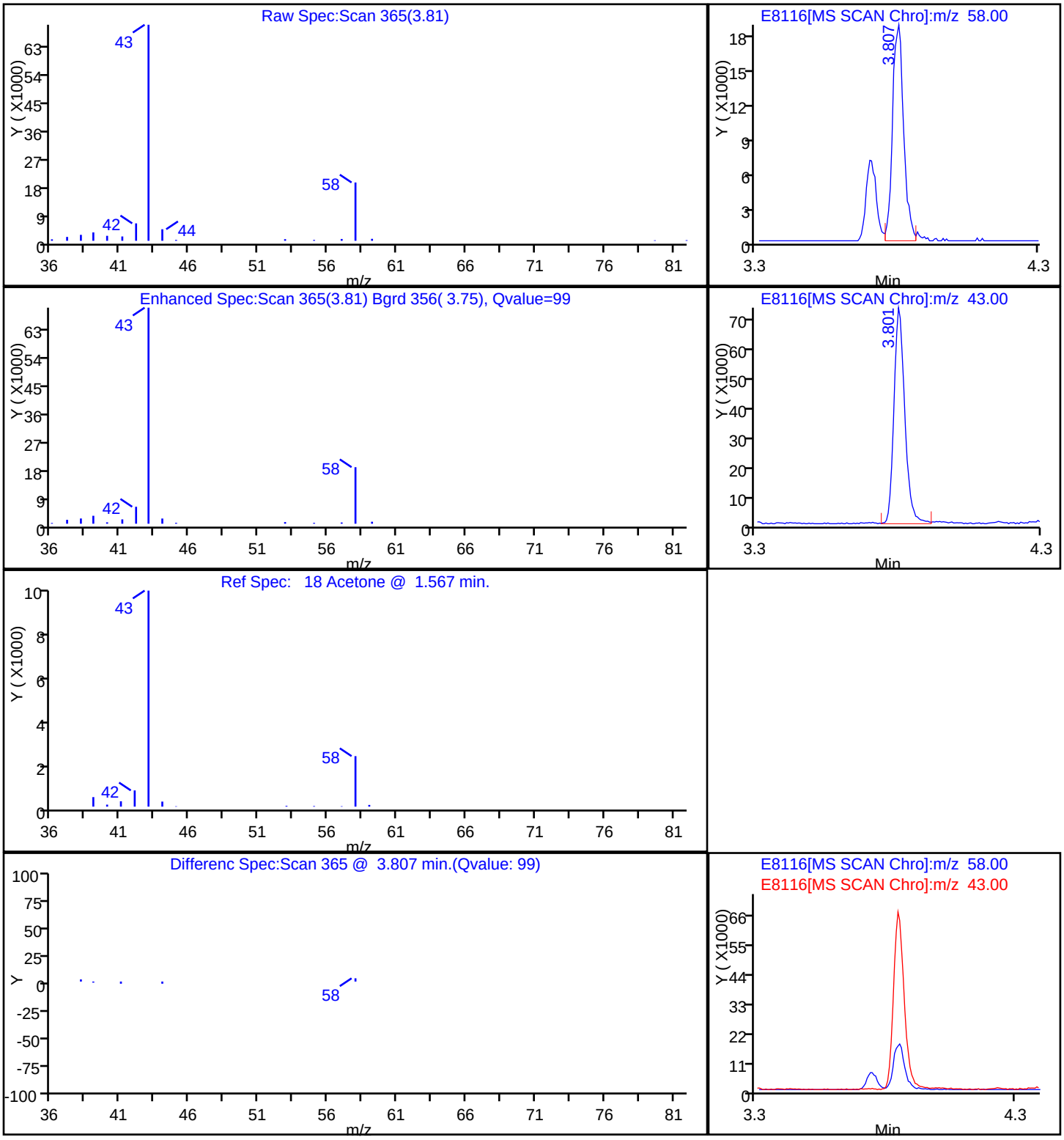
Operator ID: WH

Y Scaling:



Report Date: 09-Mar-2011 04:10:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D
Injection Date: 08-Mar-2011 19:45:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: SB0058:TP1:000020 Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 14
Operator ID: WH

18 Acetone

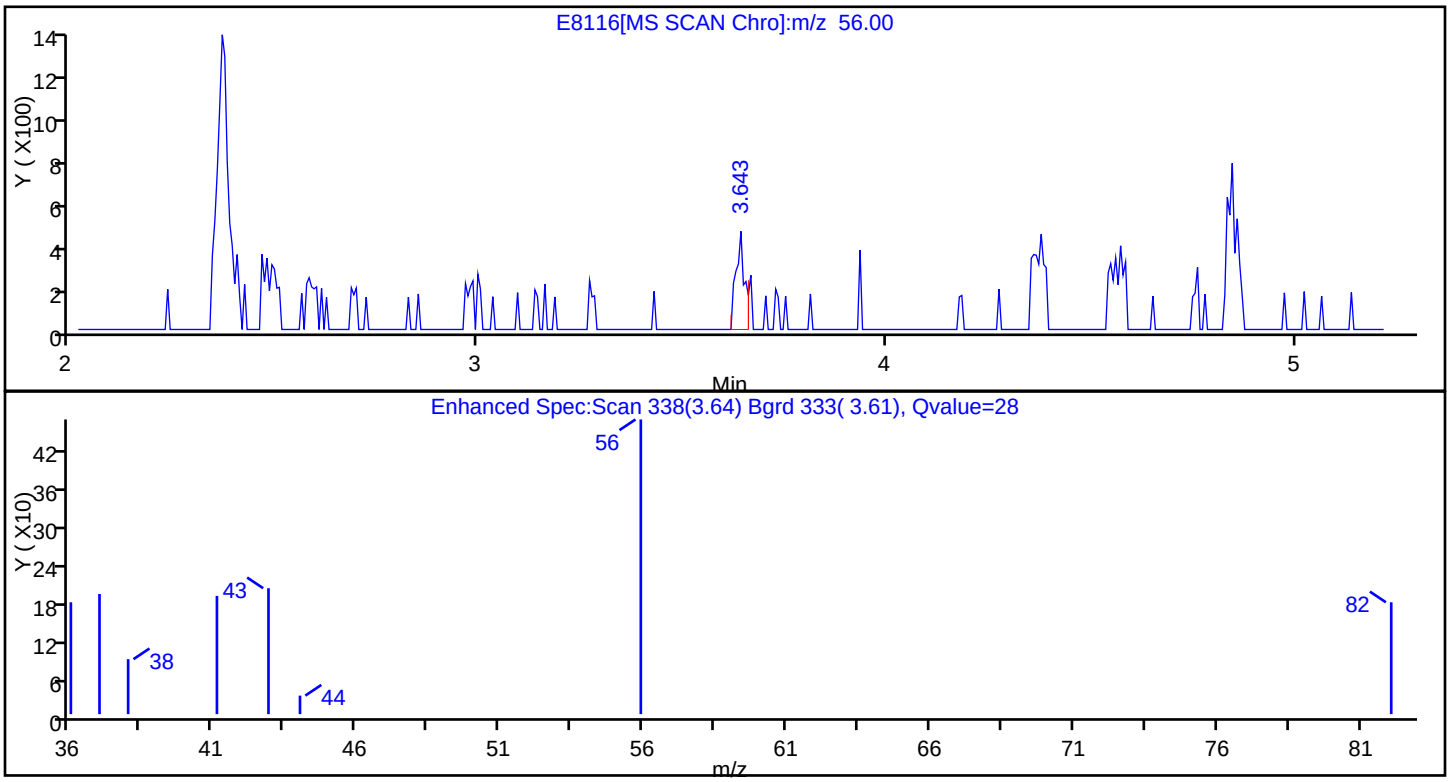


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	679	1.108534
3.65	55.00	318	

Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:10:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

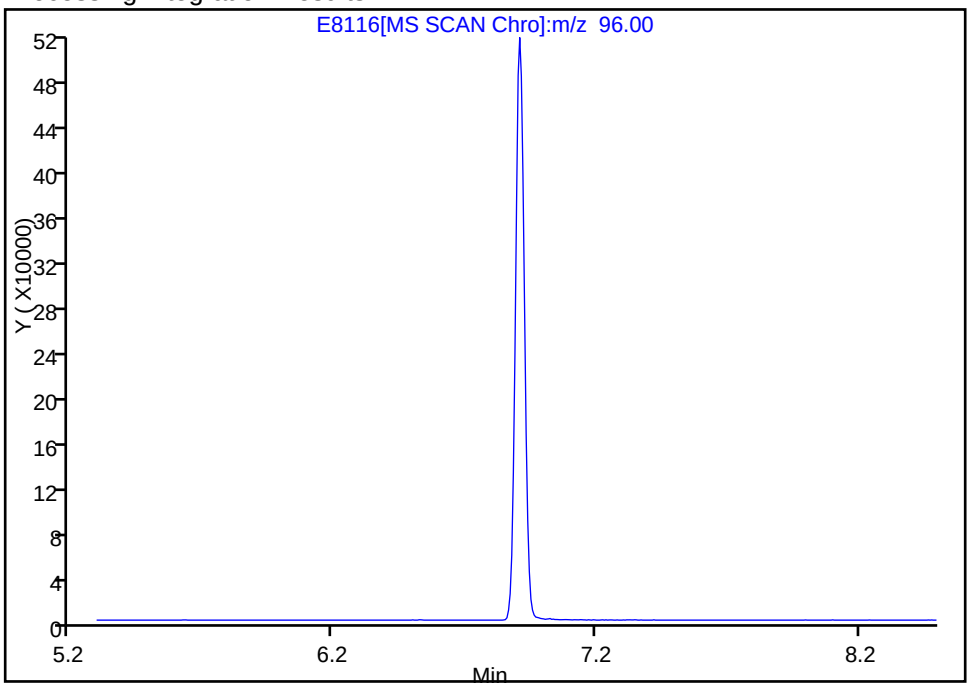
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

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

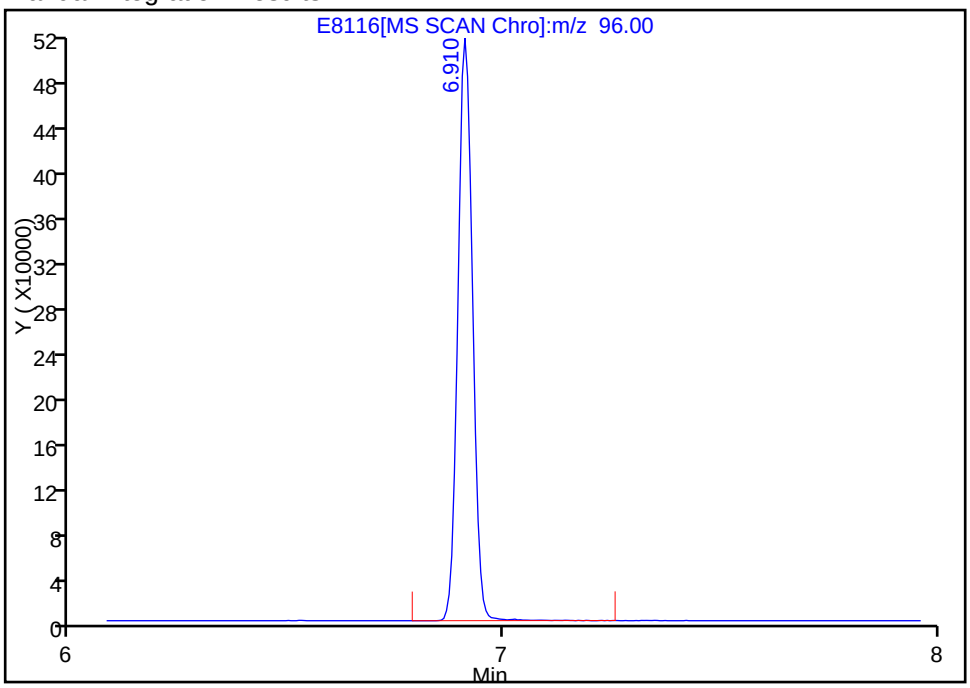
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1221251
Amount: 50.000000



Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

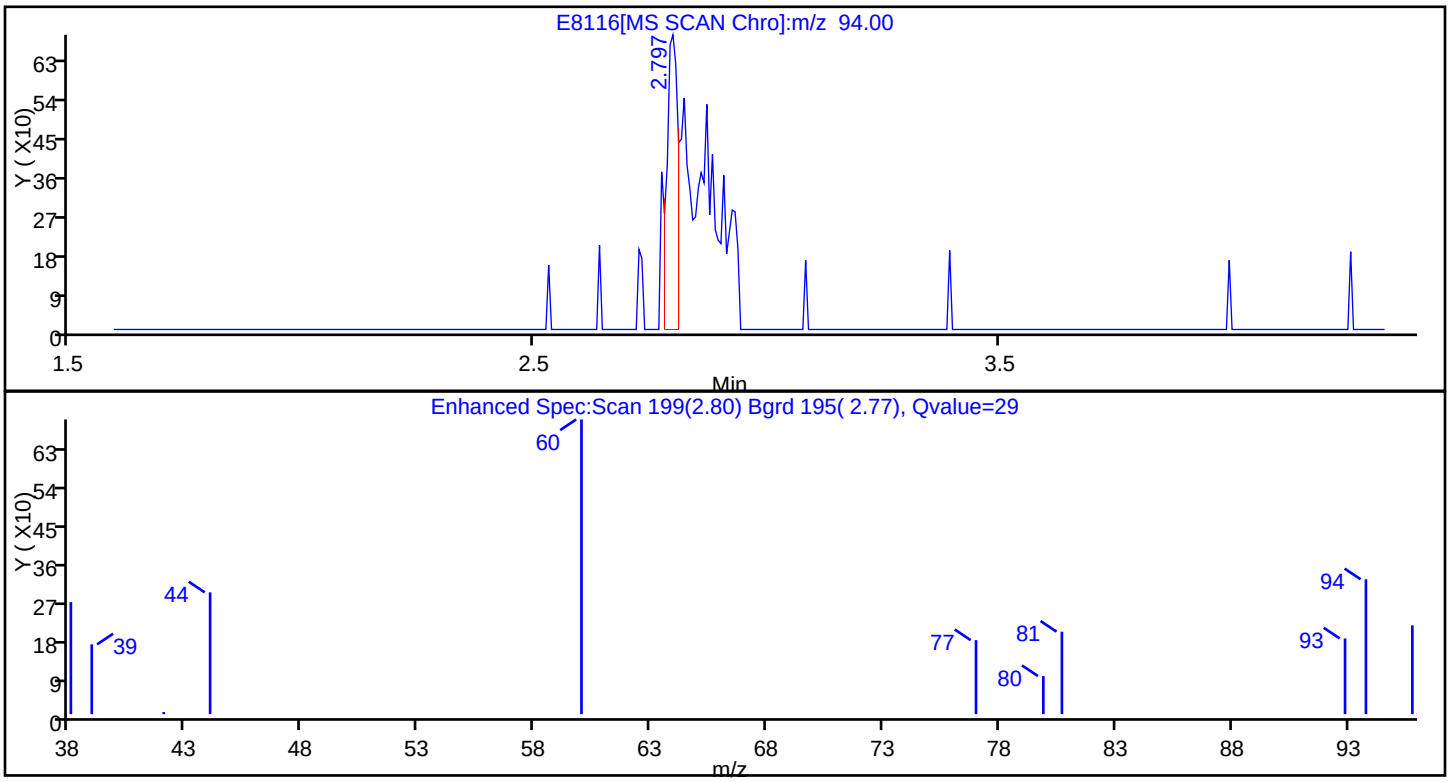
Report Date: 09-Mar-2011 04:10:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

11 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.80	94.00	1115	0.470817
2.80	96.00	830	

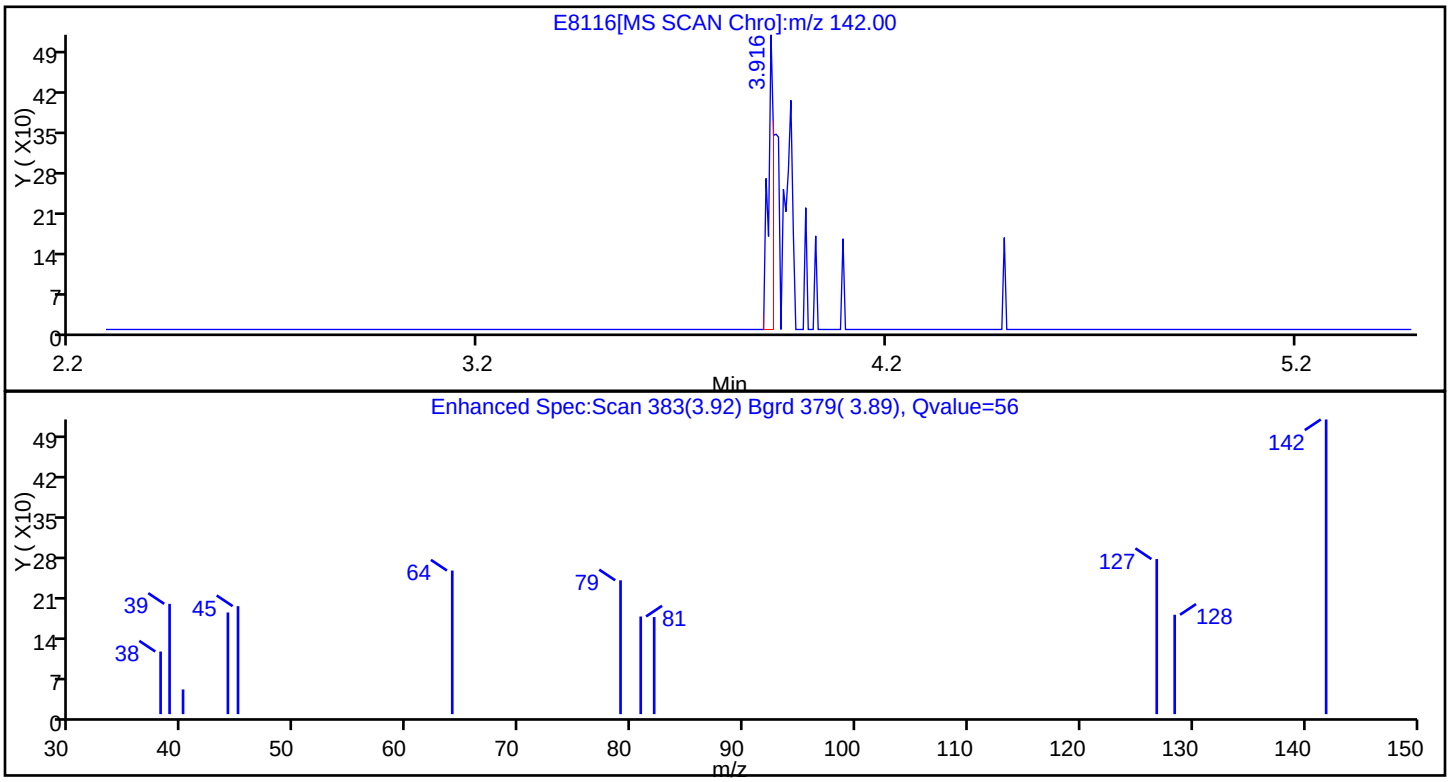
Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.92	142.00	466	0.309156
3.91	127.00	343	

Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

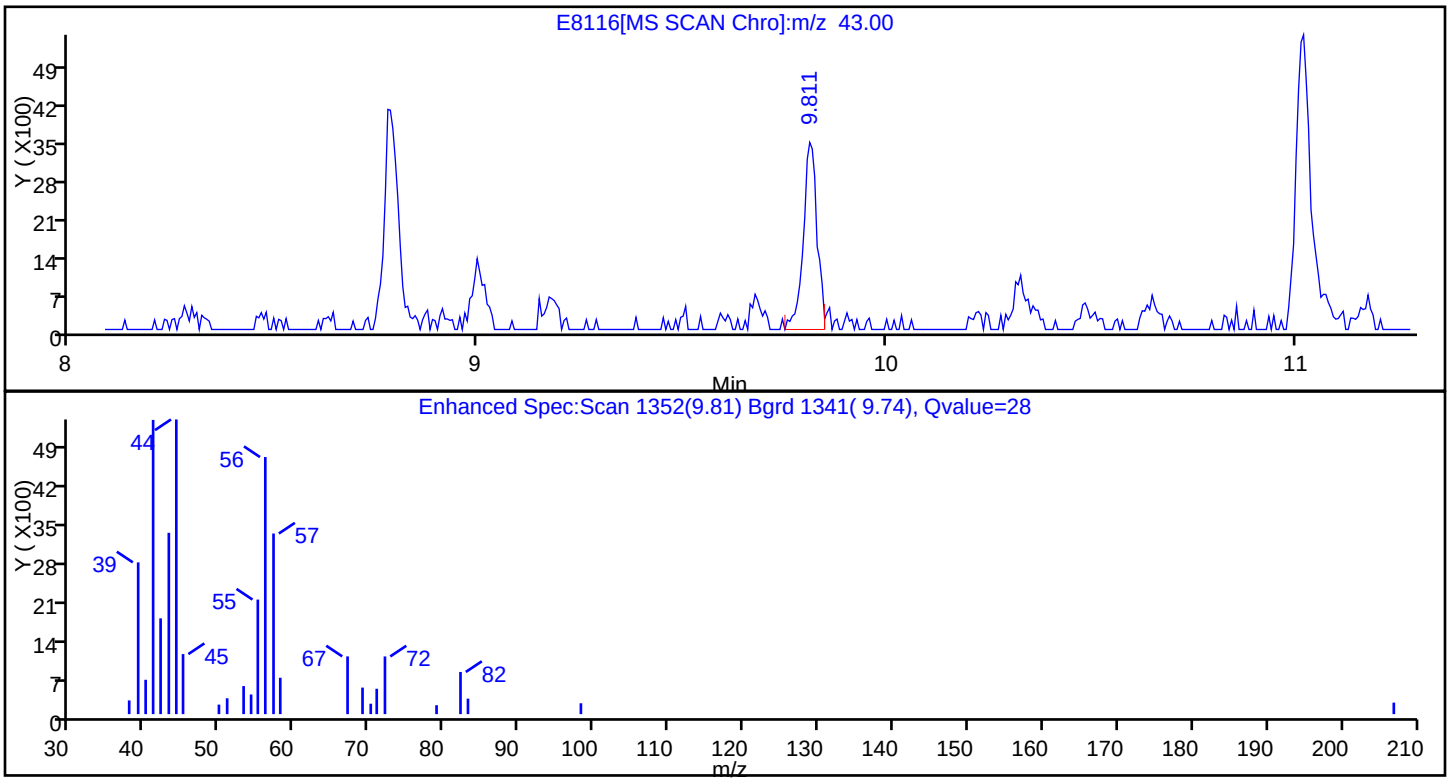
Report Date: 09-Mar-2011 04:10:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.81	43.00	8196	1.118568
9.82	58.00	1664	

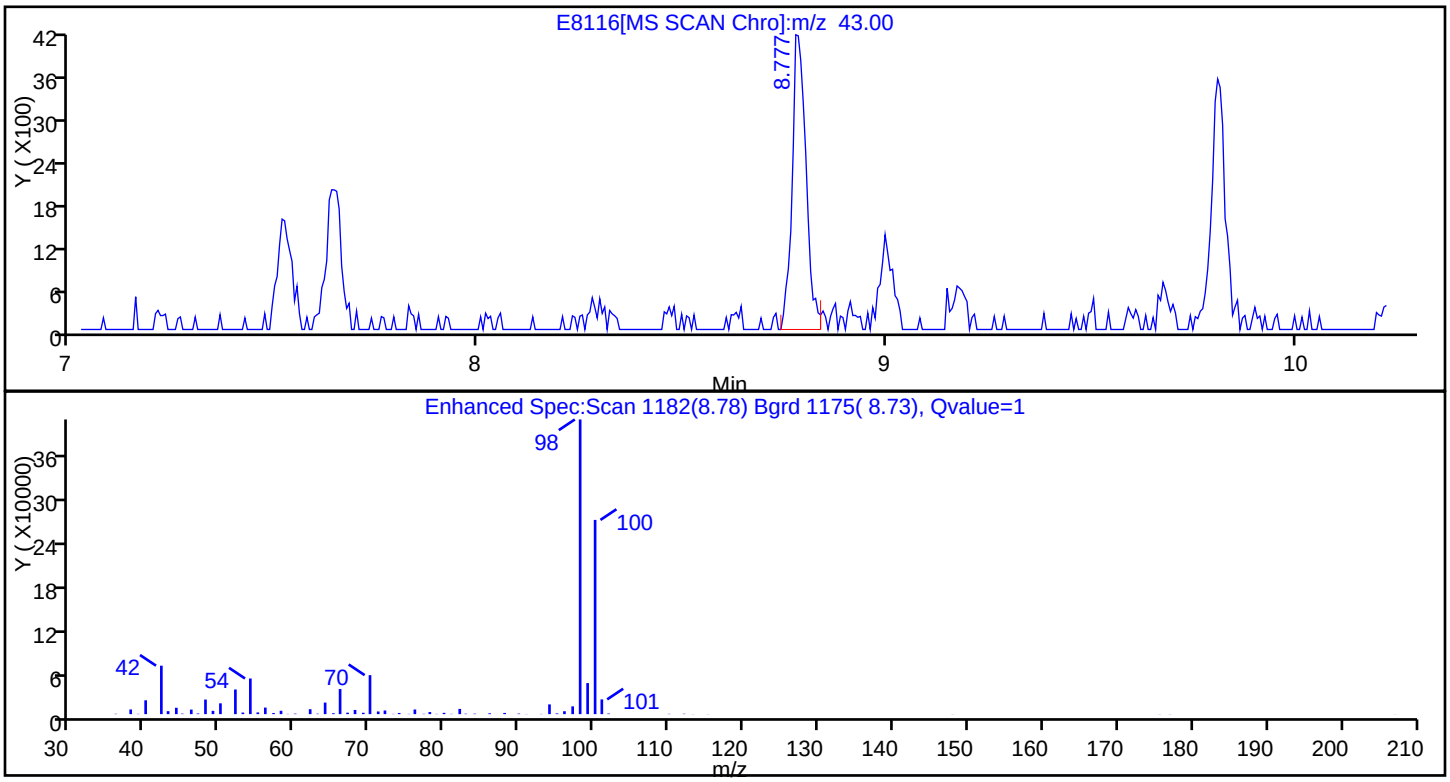
Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.78	43.00	9760	1.076508
8.79	58.00	12214	

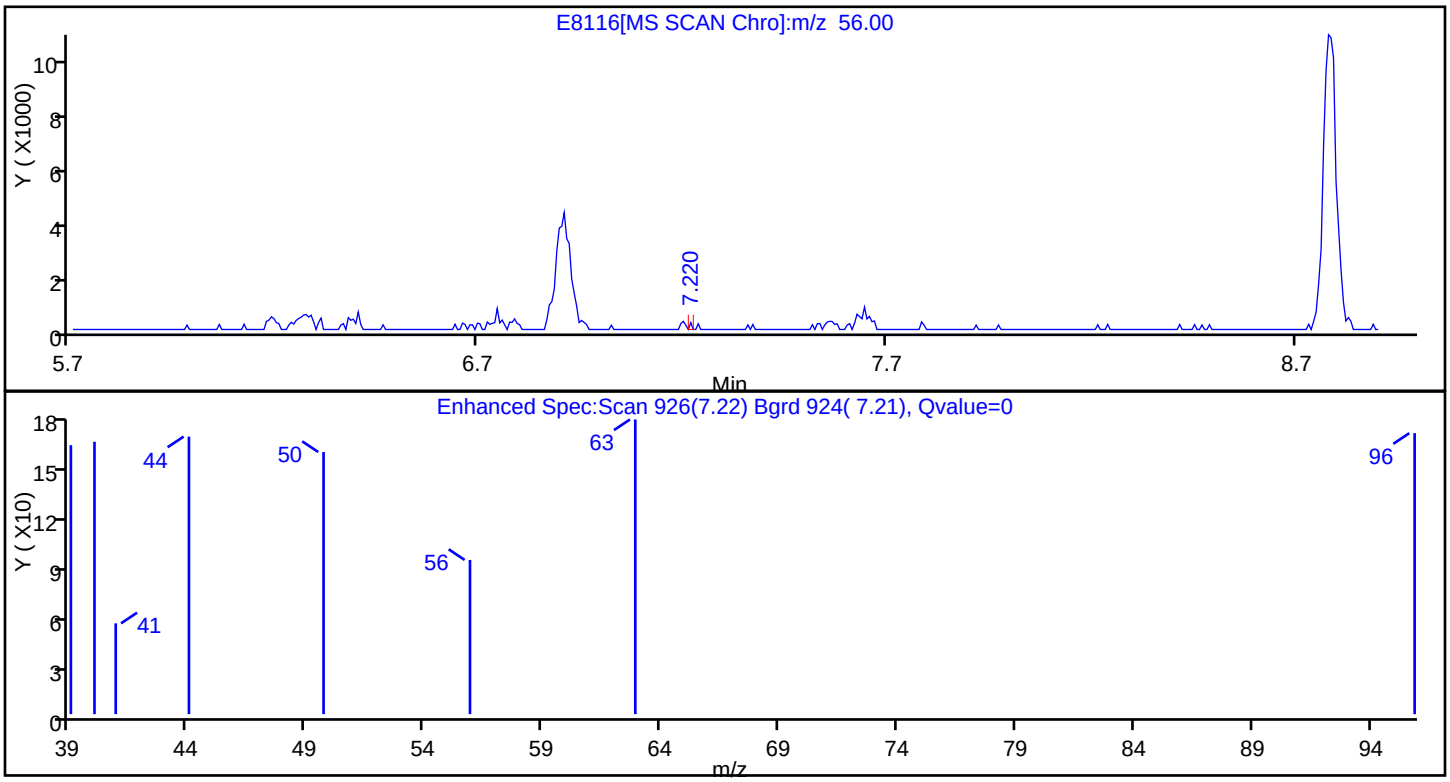
Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	89	0.306575
7.22	41.00	641	
7.21	43.00	248	

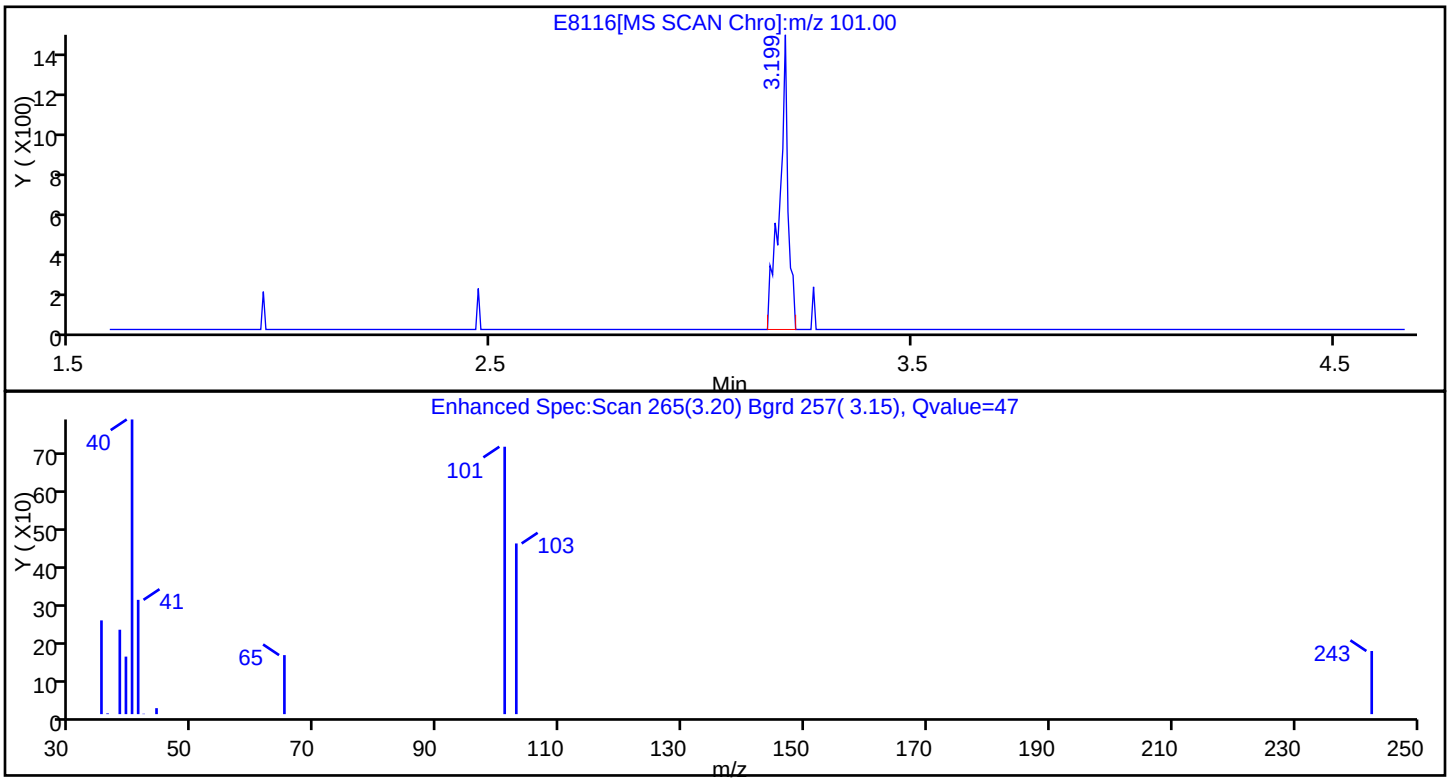
Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

13 Trichlorofluoromethane

Processing Results



RT	Mass	Response	Amount
3.20	101.00	2013	0.213930
3.19	103.00	653	

Reviewer: hobartw, 09-Mar-2011 04:10:37
Audit Action: Marked Compound Undetected
Audit Reason:

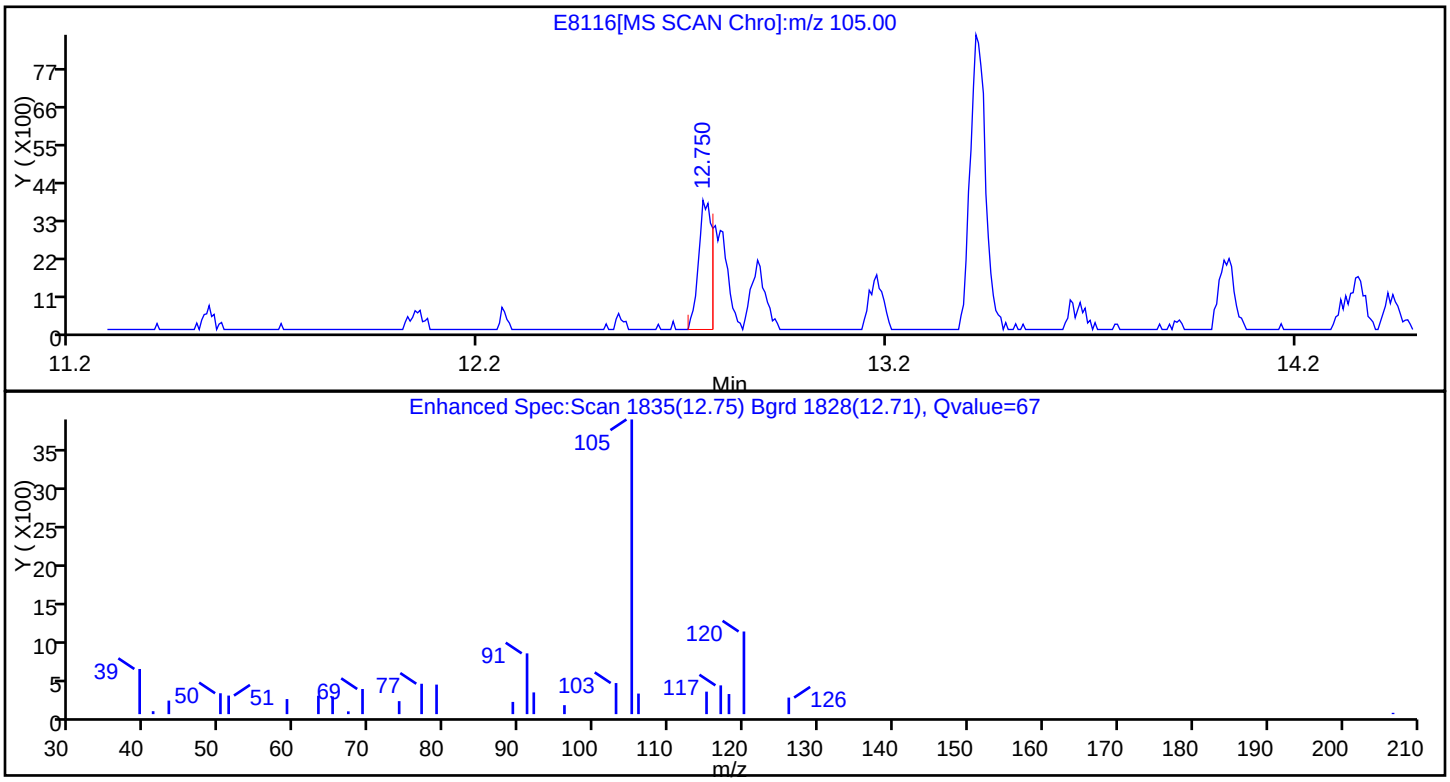
Report Date: 09-Mar-2011 04:10:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8116.D		
Injection Date:	08-Mar-2011 19:45:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	14
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.75	105.00	8664	0.375157
12.76	120.00	3275	
12.75	91.00	1134	

Reviewer: hobartw, 09-Mar-2011 04:10:37

Audit Action: Marked Compound Undetected

Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: E8119.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:20

Sample wt/vol: 31.842(g) | Date Analyzed: 03/08/2011 21:28

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.031		0.013	0.0027
107-02-8	Acrolein	<0.27		0.27	0.0032
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	<0.0067	*	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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: E8119.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:20

Sample wt/vol: 31.842(g) | Date Analyzed: 03/08/2011 21:28

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 77032 | 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	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		76-137
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Lims ID:	510-62781-E-2-A	Client ID:	SB0058:TP1:040050
Inject. Date:	08-Mar-2011 21:28:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-E-2-A		
Misc. Info.:	510-0004493-017 =510-0004493-017		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	77032	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	09-Mar-2011 04:13:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.909	6.897	0.012	0	1304172	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	89	949166	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.923	13.924	-0.001	97	556522	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.526	6.520	0.006	0	479363	53.1	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	95	1208682	48.3	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	528432	49.8	
18 Acetone	58	3.794	3.801	-0.007	100	26342	23.2	
19 Iodomethane	142	3.904	3.886	0.018	20	377	0.2342	
27 Hexane	57	4.847	4.829	0.018	94	7647	0.4490	
34 2-Butanone (MEK)	72	5.644	5.638	0.006	99	4586	3.30	
42 1,2-Dichloroethane	62	6.611	6.605	0.006	2	3962	0.3365	
45 Trichloroethene	132	7.323	7.323	0.0	82	3310	0.5108	
74 N-Propylbenzene	91	12.628	12.634	-0.006	84	8788	0.2520	

QC Flag Legend

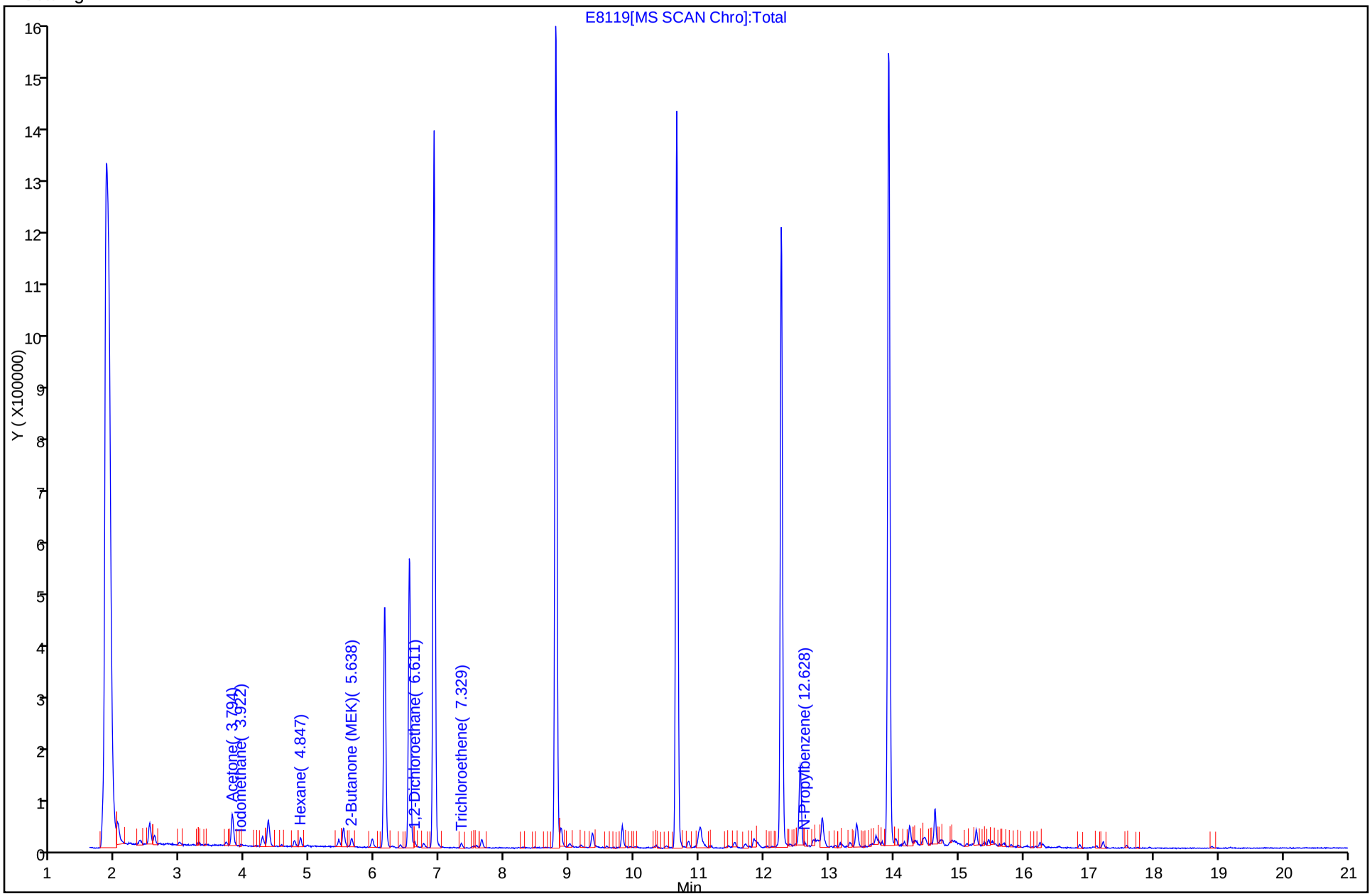
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D

Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

Y Scaling:



Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D

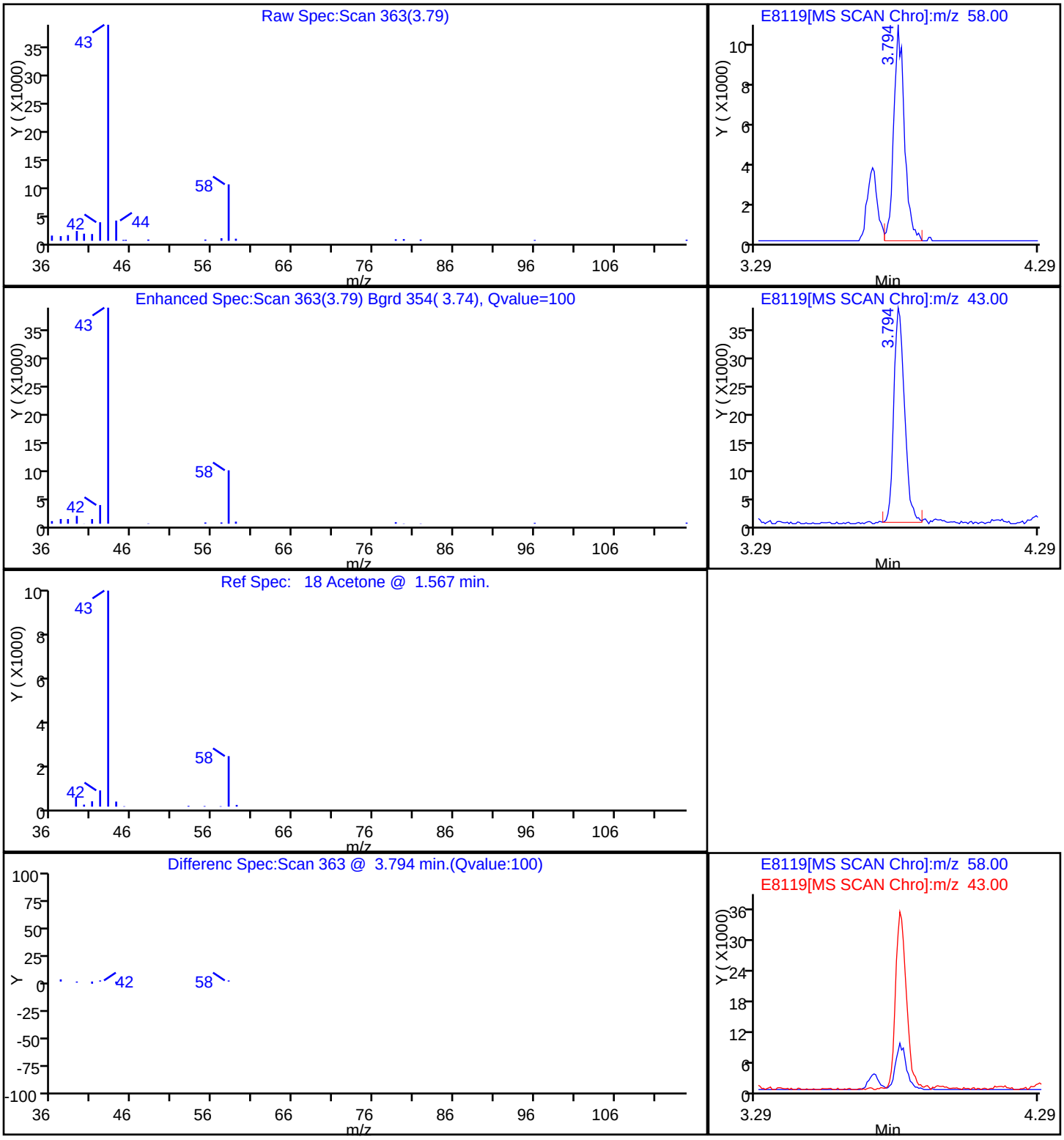
Injection Date: 08-Mar-2011 21:28:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP1:040050 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 17

Operator ID: WH

18 Acetone

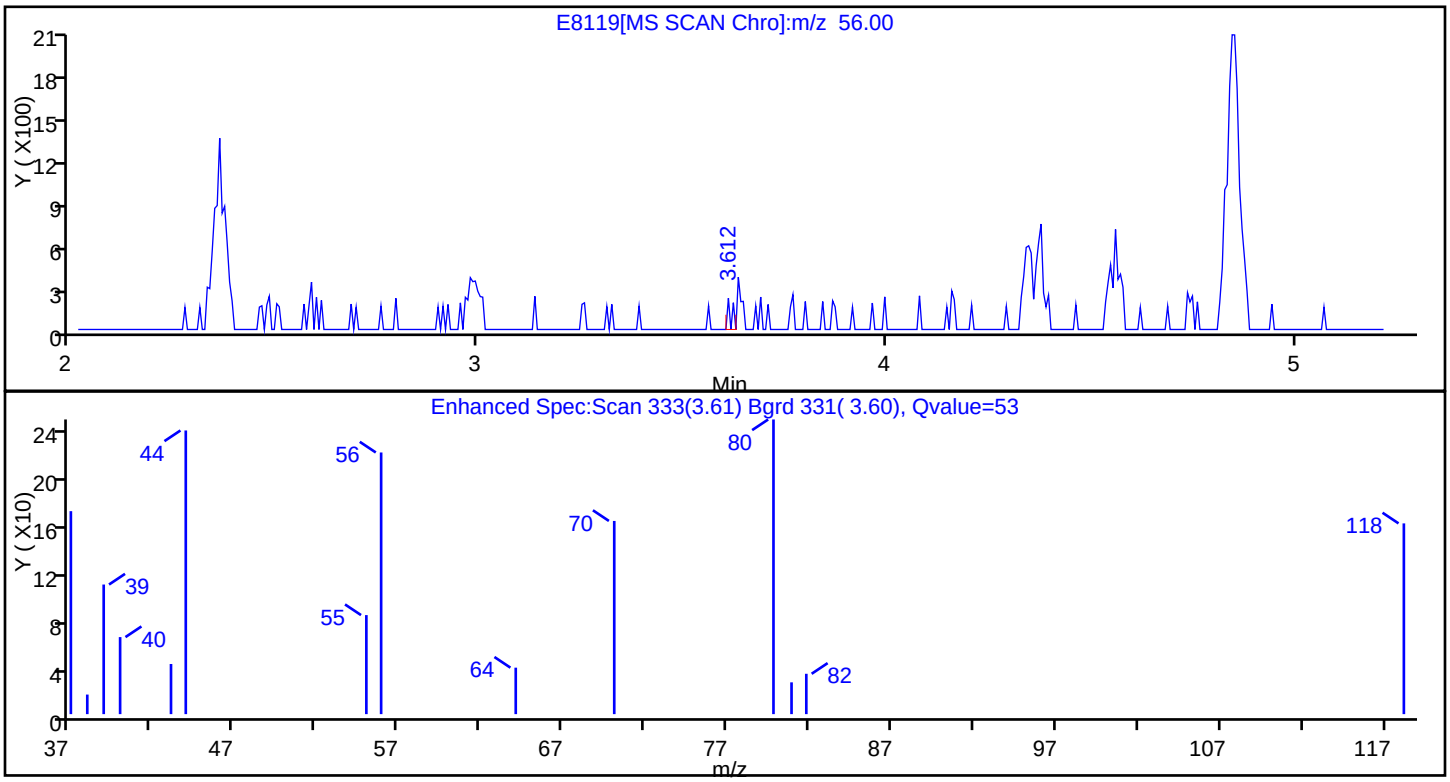


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.61	56.00	145	0.221675
3.62	55.00	561	

Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

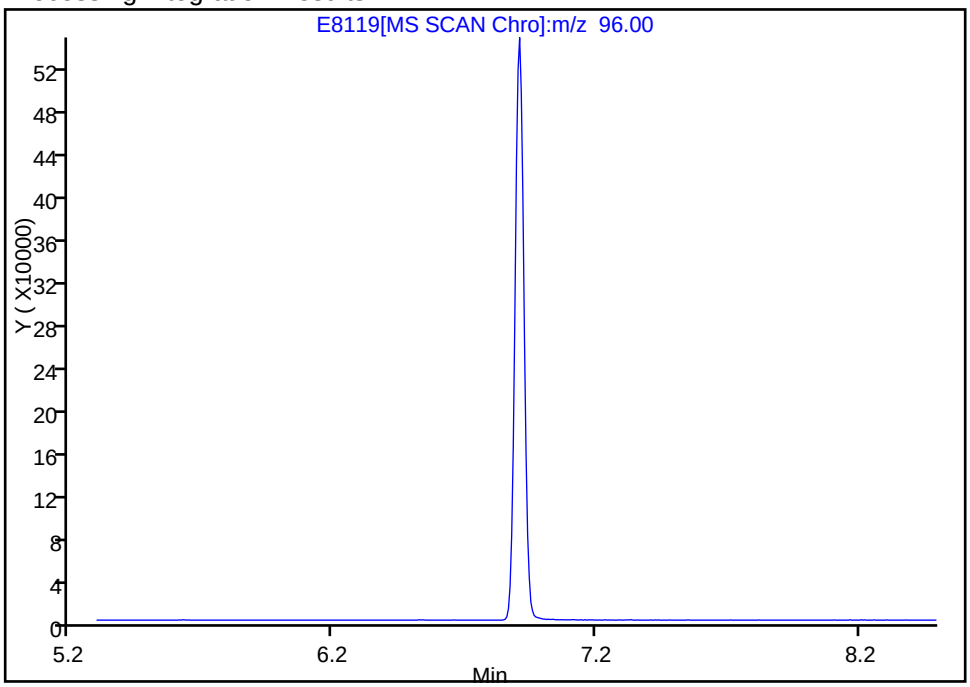
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

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

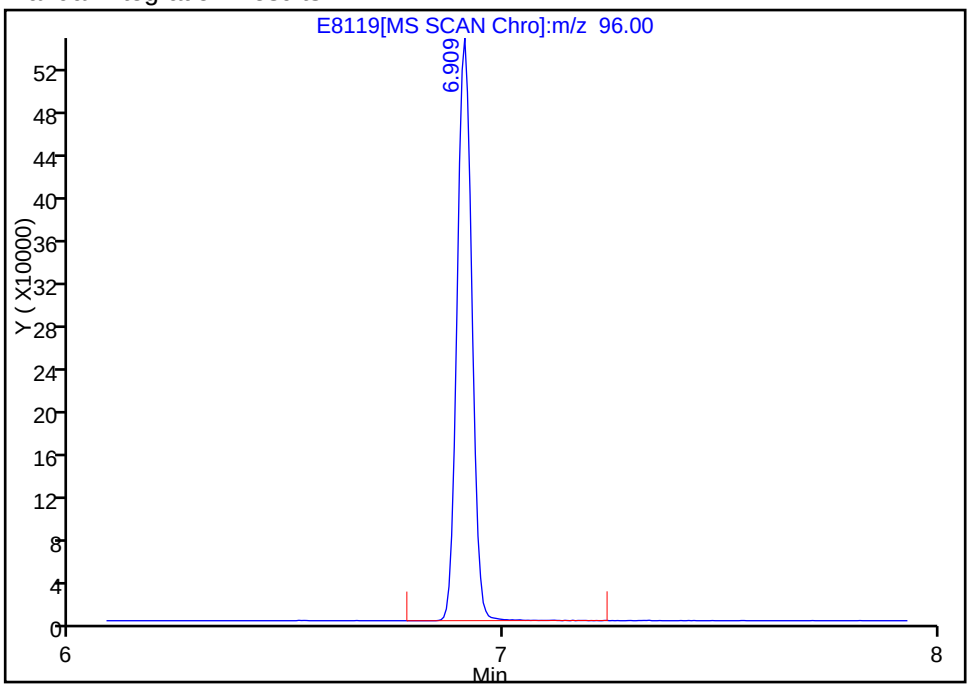
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1304172
Amount: 50.000000



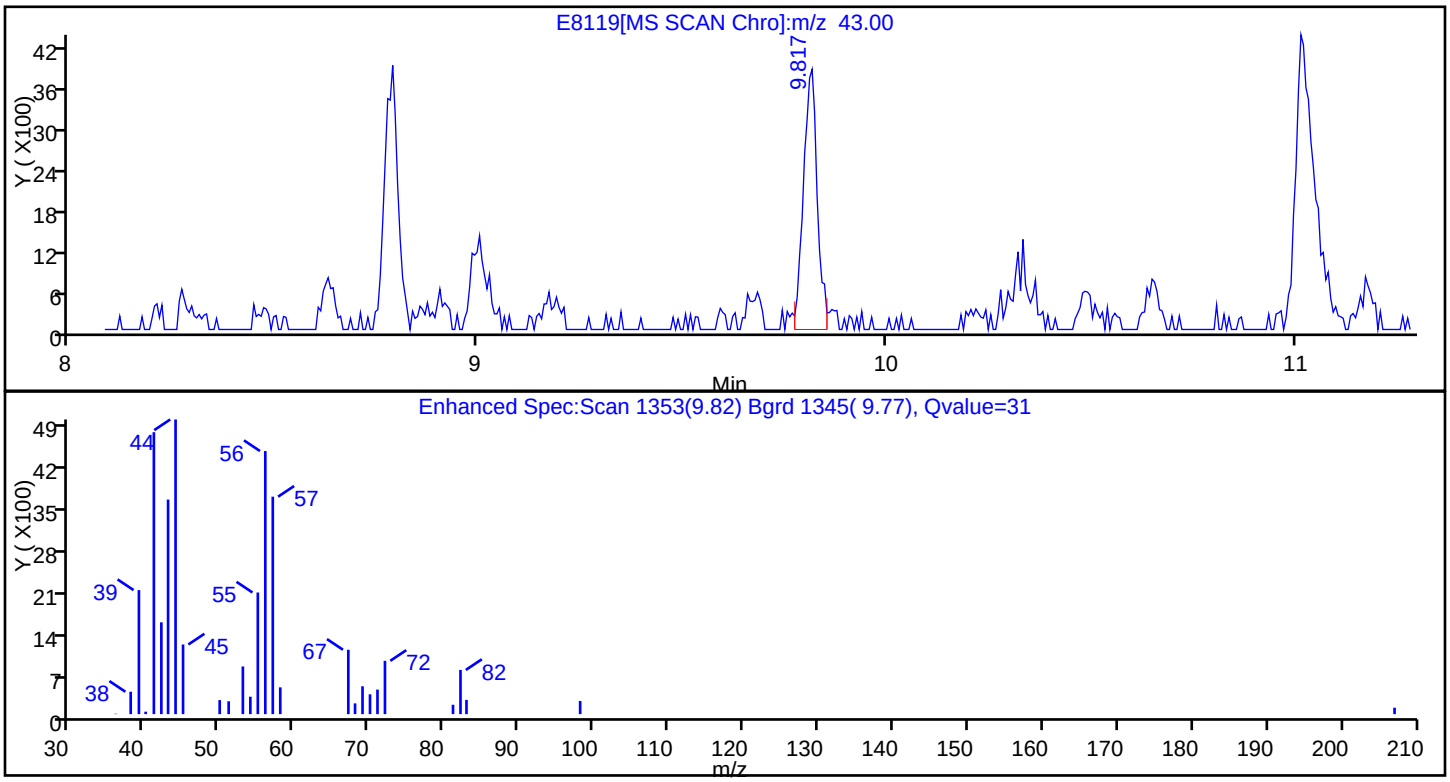
Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.82	43.00	8940	1.142531
9.80	58.00	919	

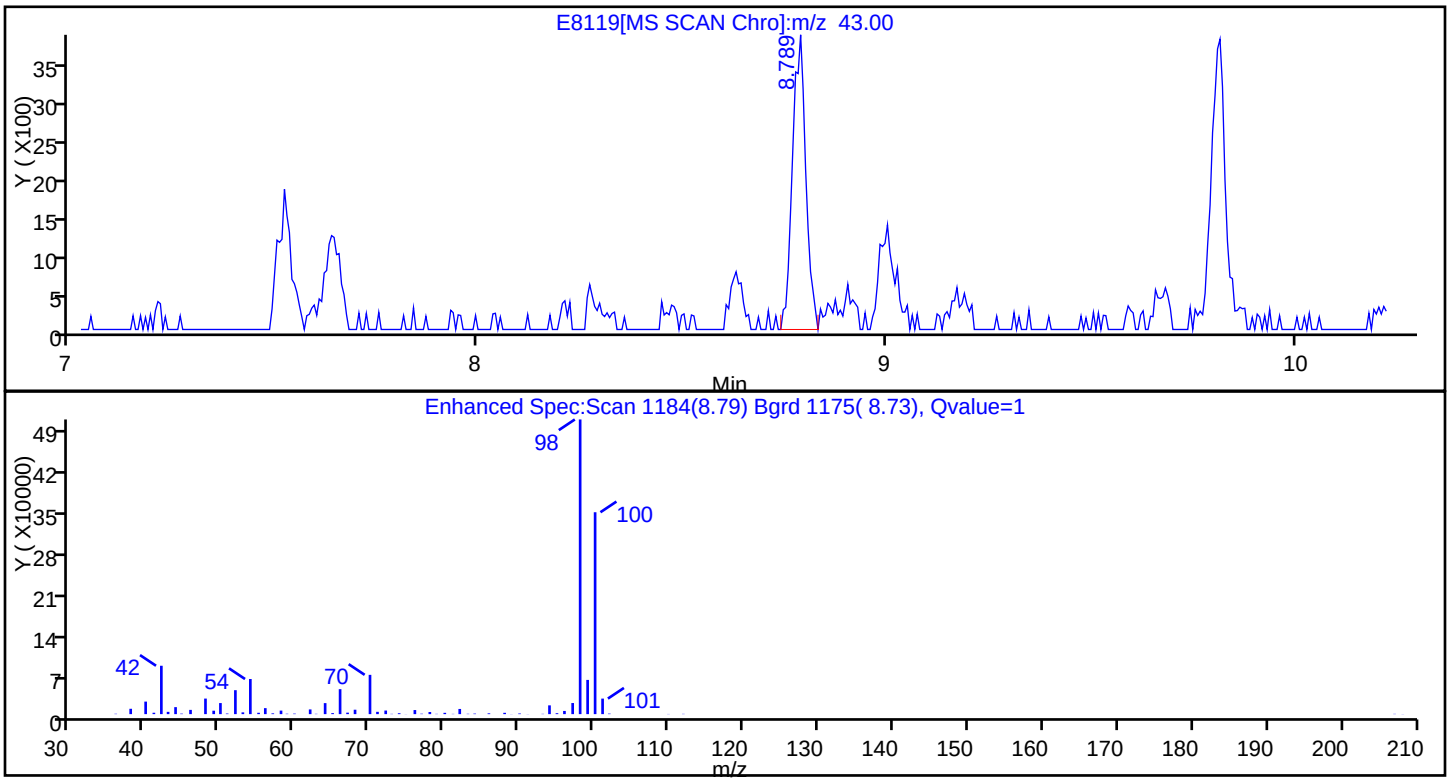
Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.79	43.00	8821	0.911077
8.78	58.00	13399	

Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

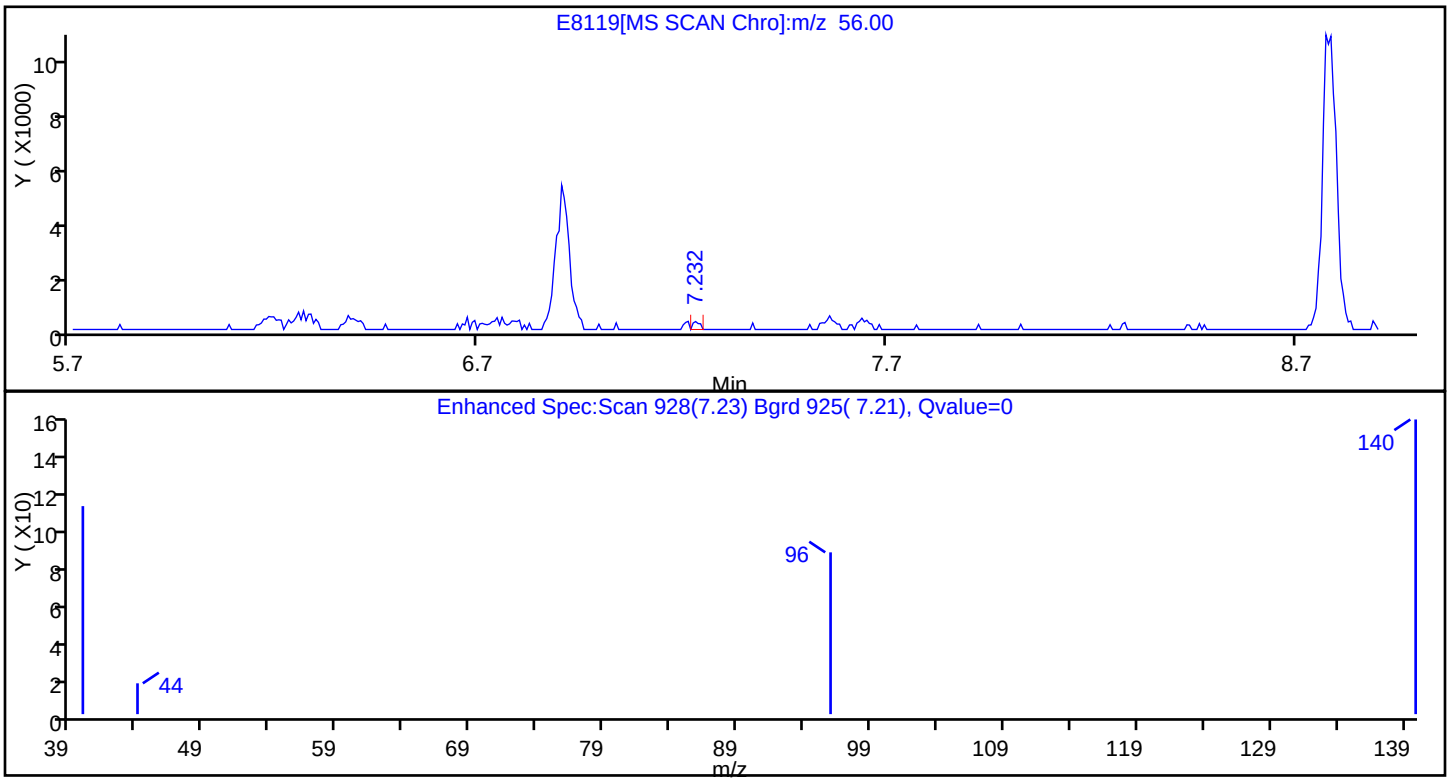
Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.23	56.00	335	1.080591
7.24	41.00	151	
7.23	43.00	61	

Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

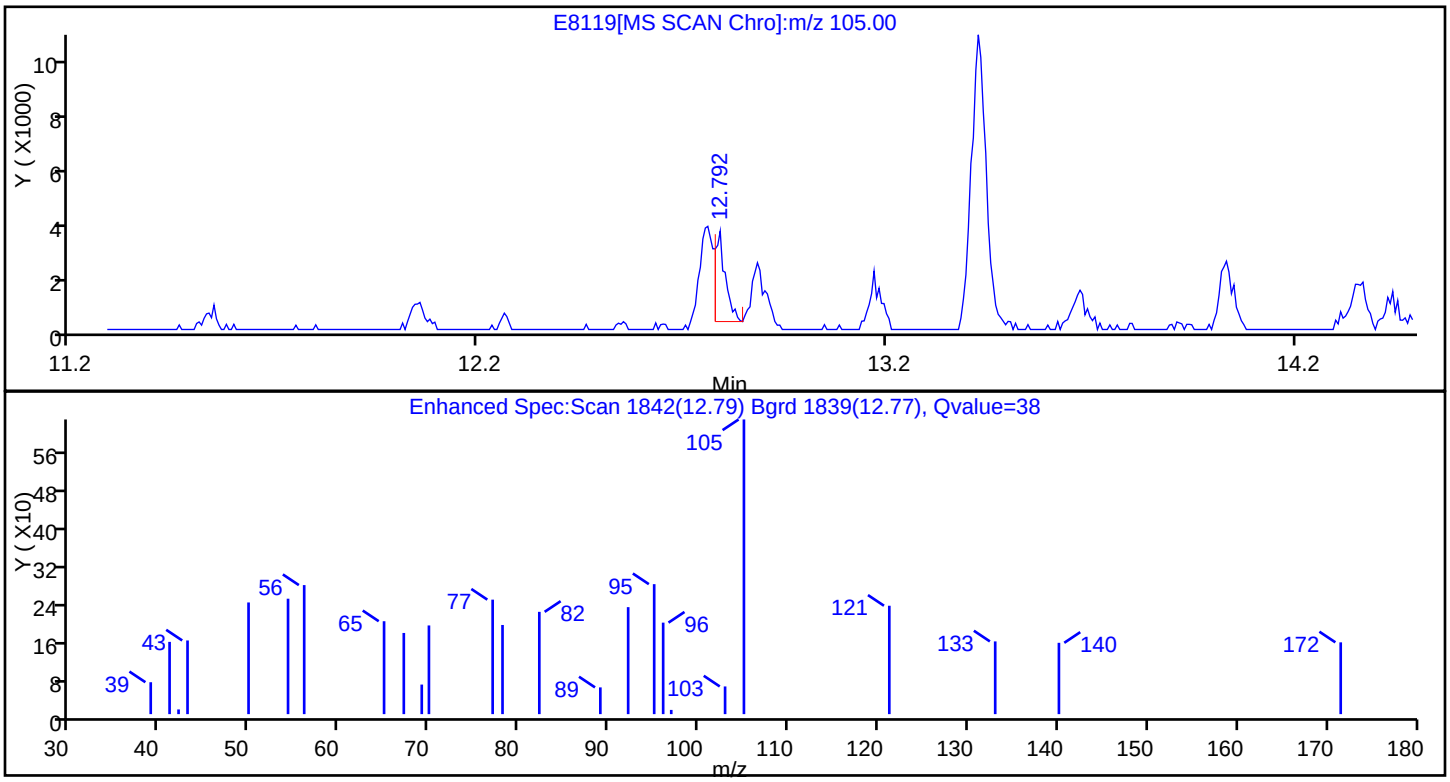
Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.79	105.00	5459	0.216167
12.79	120.00	838	
12.79	91.00	1148	

Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

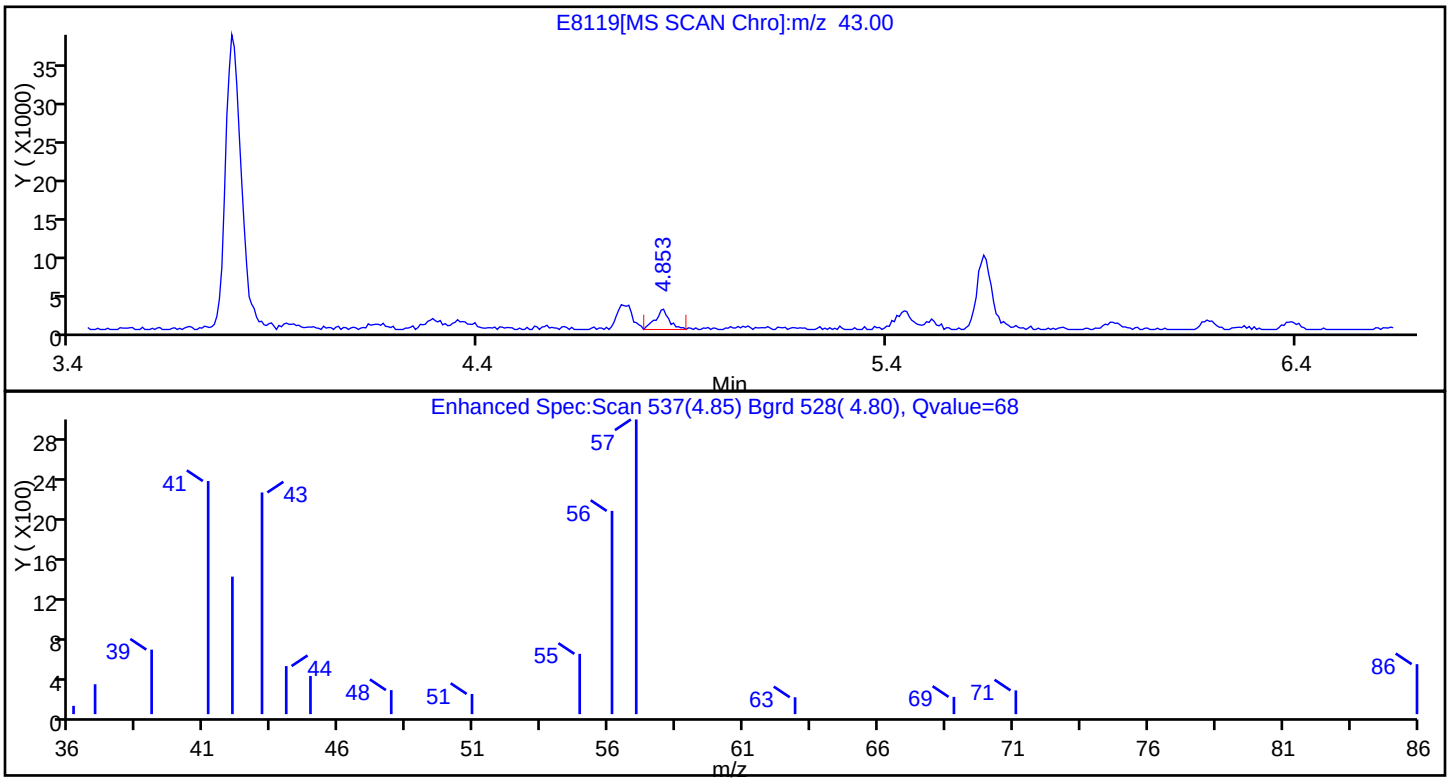
Report Date: 09-Mar-2011 04:13:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8119.D		
Injection Date:	08-Mar-2011 21:28:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	17
Operator ID:	WH		

29 Vinyl acetate

Processing Results



RT	Mass	Response	Amount
4.85	43.00	6258	0.364848
4.87	86.00	560	

Reviewer: hobartw, 09-Mar-2011 04:13:45
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: E8120.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:40

Sample wt/vol: 32.076(g) | Date Analyzed: 03/08/2011 22:03

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.054		0.014	0.0027
107-02-8	Acrolein	<0.27		0.27	0.0033
71-43-2	Benzene	<0.0068	*	0.0068	0.0015
75-27-4	Bromodichloromethane	<0.0068		0.0068	0.00069
75-25-2	Bromoform	<0.0068		0.0068	0.0020
74-83-9	Bromomethane	<0.0068		0.0068	0.0024
75-15-0	Carbon disulfide	<0.0068		0.0068	0.0017
56-23-5	Carbon tetrachloride	<0.0068		0.0068	0.0016
108-90-7	Chlorobenzene	<0.0068		0.0068	0.00091
124-48-1	Chlorodibromomethane	<0.0068		0.0068	0.00068
75-00-3	Chloroethane	<0.0068		0.0068	0.0023
67-66-3	Chloroform	<0.0068		0.0068	0.0014
74-87-3	Chloromethane	<0.0068		0.0068	0.0019
156-59-2	cis-1,2-Dichloroethylene	<0.0068		0.0068	0.0016
10061-01-5	cis-1,3-Dichloropropene	<0.0068		0.0068	0.00068
110-82-7	Cyclohexane	<0.0068	*	0.0068	0.0021
106-93-4	1,2-Dibromoethane	<0.0068		0.0068	0.00068
75-35-4	1,1-Dichlorethylene	<0.0068		0.0068	0.0024
75-34-3	1,1-Dichloroethane	<0.0068		0.0068	0.0022
107-06-2	1,2-Dichloroethane	<0.0068		0.0068	0.0013
78-87-5	1,2-Dichloropropane	<0.0068		0.0068	0.0012
542-75-6	1,3-Dichloropropene, Total	<0.014		0.014	
141-78-6	Ethyl acetate	<0.0068		0.0068	0.0014
100-41-4	Ethylbenzene	<0.0068	*	0.0068	0.0011
74-88-4	Iodomethane	<0.014	*	0.014	0.0050
98-82-8	Isopropylbenzene	<0.0068	*	0.0068	0.0010
79-20-9	Methyl acetate	<0.0068		0.0068	0.0010
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.014		0.014	0.0011
108-87-2	Methylcyclohexane	<0.0068	*	0.0068	0.0016
75-09-2	Methylene Chloride	<0.0068		0.0068	0.0017
78-93-3	Methyl ethyl ketone (MEK)	<0.014		0.014	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	<0.014		0.014	0.00068
1634-04-4	Methyl tert-butyl ether	<0.0068		0.0068	0.0012
71-36-3	n-Butanol	<0.14		0.14	0.020
110-54-3	n-Hexane	<0.0068	*	0.0068	0.0027
103-65-1	n-Propylbenzene	<0.0068	*	0.0068	0.0027

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: E8120.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:40

Sample wt/vol: 32.076(g) | Date Analyzed: 03/08/2011 22:03

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0068	*	0.0068	0.00091
630-20-6	1,1,1,2-Tetrachloroethane	<0.0068		0.0068	0.00094
79-34-5	1,1,2,2-Tetrachloroethane	<0.0068		0.0068	0.0015
127-18-4	Tetrachloroethylene	<0.0068	*	0.0068	0.0015
108-88-3	Toluene	<0.0068	*	0.0068	0.0015
156-60-5	trans-1,2-Dichloroethylene	<0.0068		0.0068	0.0023
10061-02-6	trans-1,3-Dichloropropene	<0.0068		0.0068	0.00068
71-55-6	1,1,1-Trichloroethane	<0.0068	*	0.0068	0.0016
79-00-5	1,1,2-Trichloroethane	<0.0068		0.0068	0.00094
79-01-6	Trichloroethene	<0.0068		0.0068	0.0016
75-69-4	Trichlorofluoromethane	<0.0068		0.0068	0.0024
95-63-6	1,2,4-Trimethylbenzene	<0.0068	*	0.0068	0.0027
108-67-8	1,3,5-Trimethylbenzene	<0.0068	*	0.0068	0.0010
108-05-4	Vinyl acetate	<0.0068		0.0068	0.0017
75-01-4	Vinyl chloride	<0.0068		0.0068	0.0031
1330-20-7	Xylenes, Total	<0.014	*	0.014	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	115		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		76-137
2037-26-5	Toluene-d8 (Surr)	94		70-130

Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Lims ID:	510-62781-E-3-A	Client ID:	SB0058:TP2:000020
Inject. Date:	08-Mar-2011 22:03:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-E-3-A		
Misc. Info.:	510-0004493-018 =510-0004493-018		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	77032	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	09-Mar-2011 04:14:31

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	0	1170091	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	759493	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.924	13.924	0.0	96	327360	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.526	6.520	0.006	0	434993	53.7	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	94	1059542	47.2	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	84	358060	57.4	
18 Acetone	58	3.795	3.801	-0.006	99	39065	39.7	
20 Carbon disulfide	76	3.990	3.959	0.031	82	9867	0.7917	
27 Hexane	57	4.847	4.829	0.018	89	7123	0.4872	
34 2-Butanone (MEK)	72	5.638	5.638	0.0	99	7846	6.29	
45 Trichloroethene	132	7.323	7.323	0.0	69	2001	0.3442	
46 Methylcyclohexane	83	7.561	7.555	0.006	56	2176	0.2237	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D

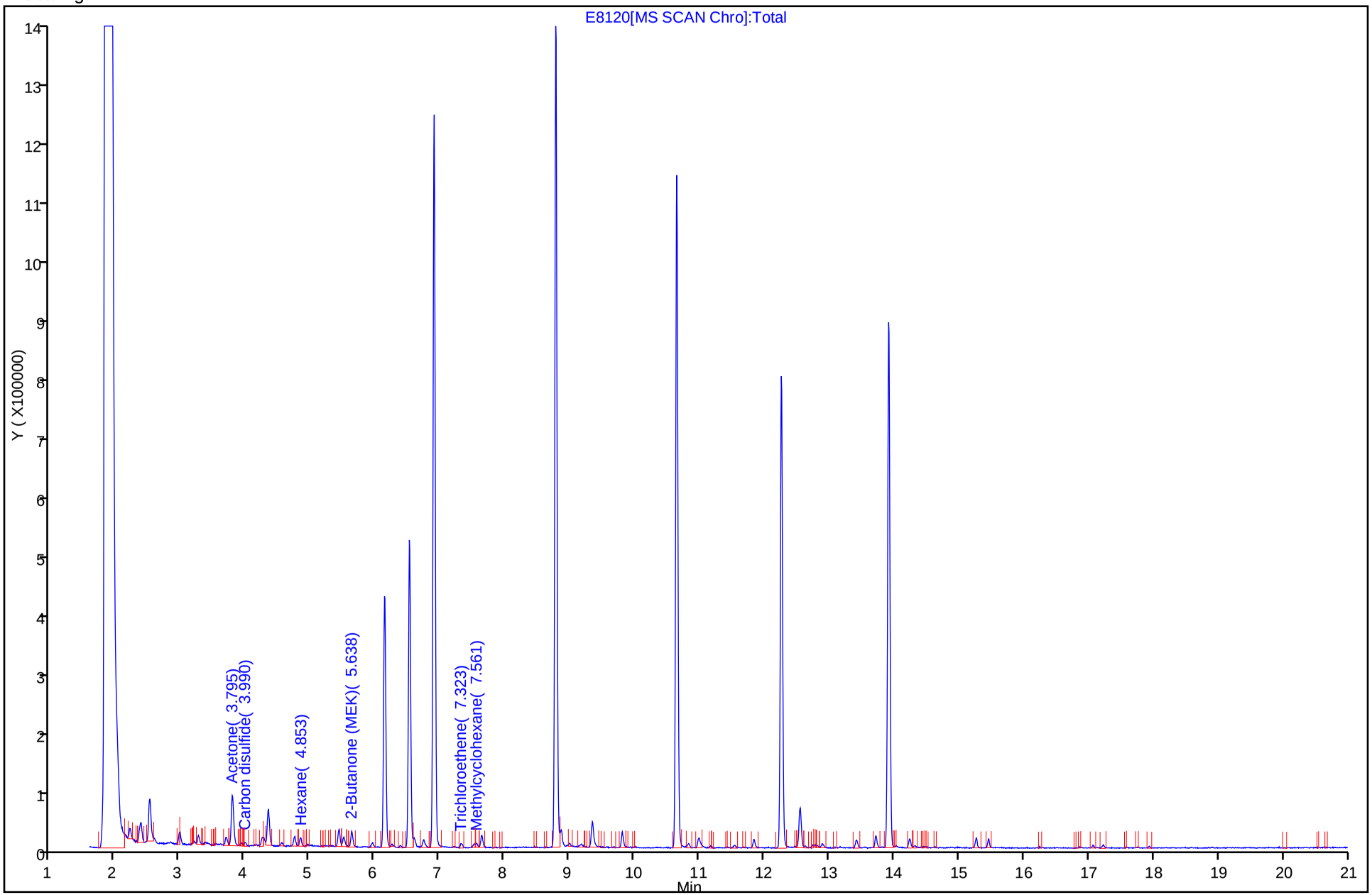
Injection Date: 08-Mar-2011 22:03:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP2:000020 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 18

Operator ID: WH

Y Scaling:



Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D

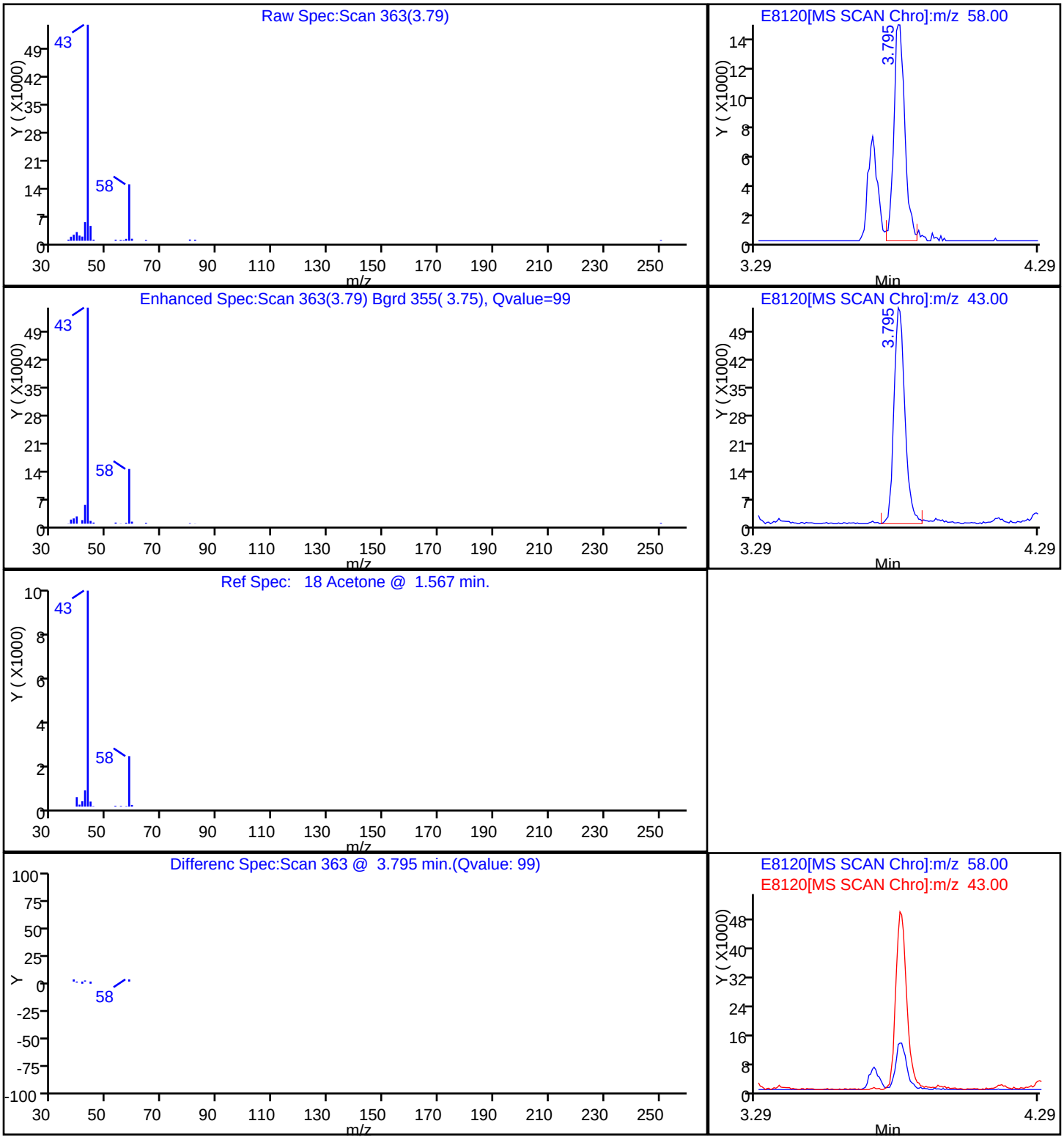
Injection Date: 08-Mar-2011 22:03:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP2:000020 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 18

Operator ID: WH

18 Acetone

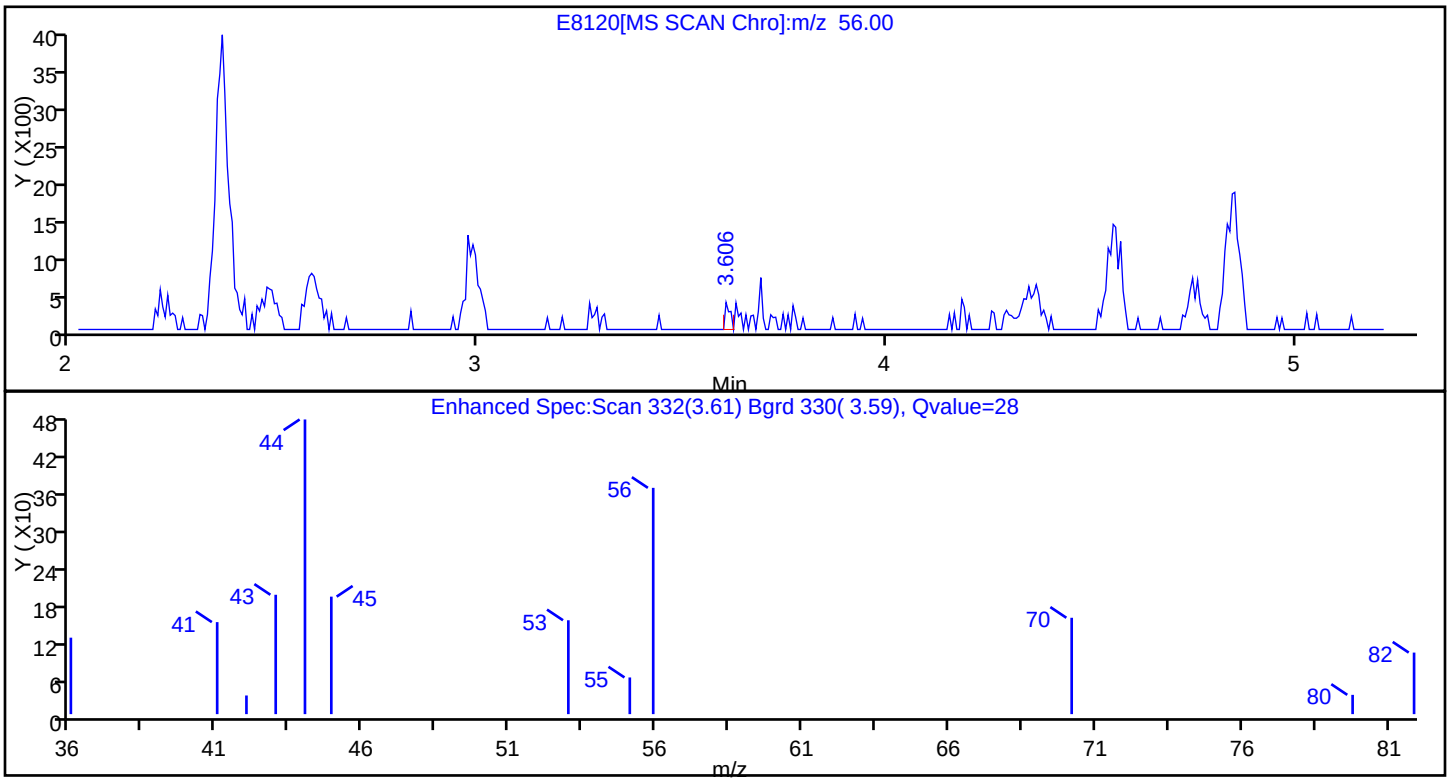


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.61	56.00	309	0.526530
3.60	55.00	686	

Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

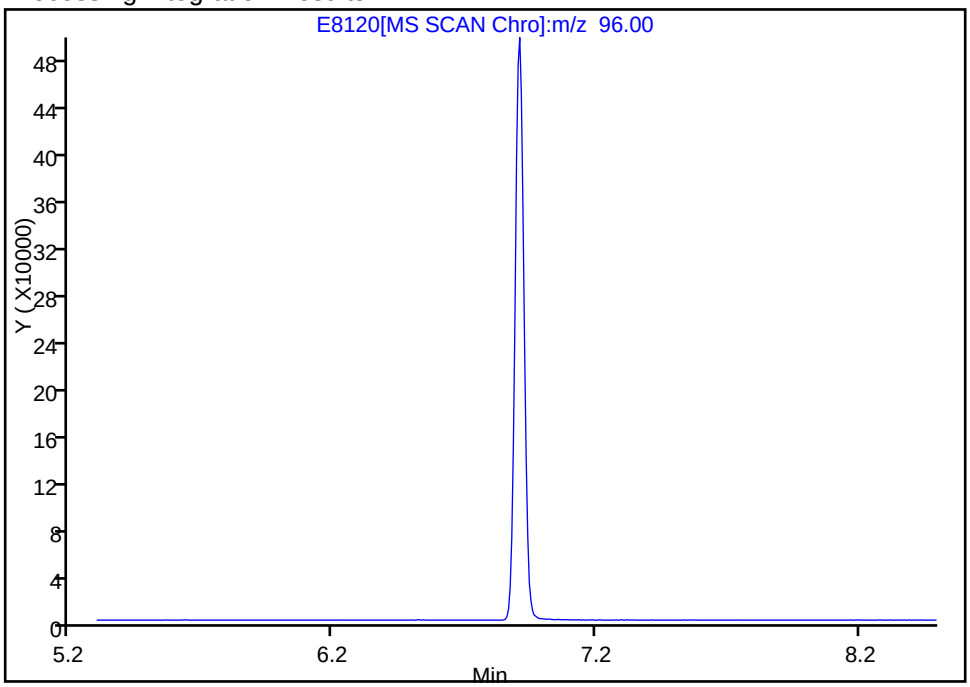
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

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

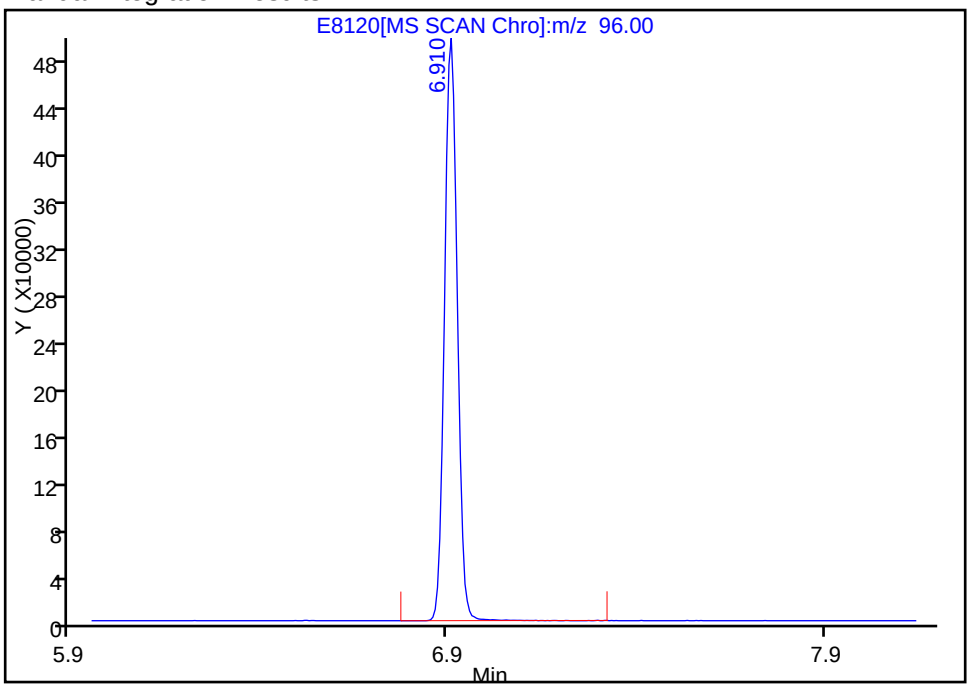
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1170091
Amount: 50.000000



Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Manually Integrated
Audit Reason: Assign Peak

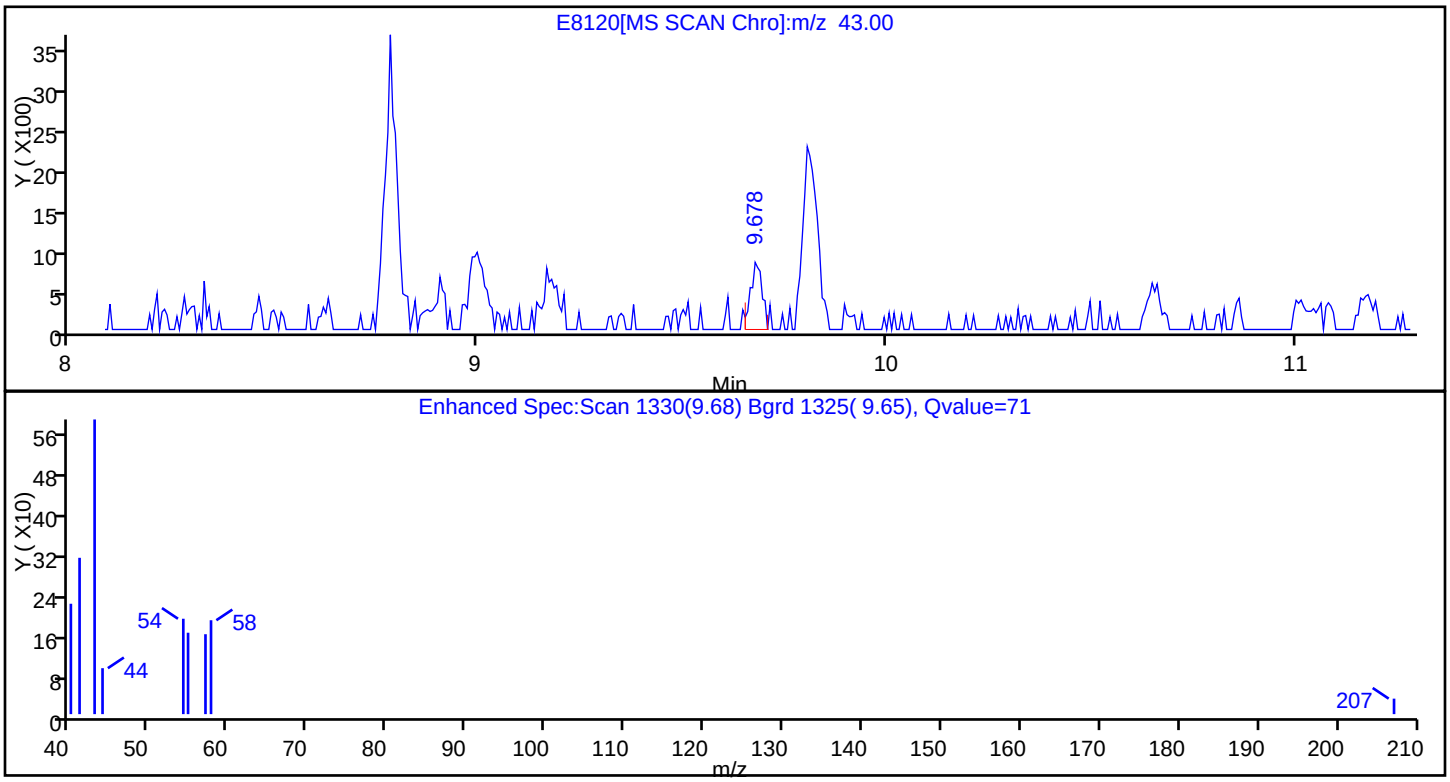
Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.68	43.00	1630	0.232184
9.67	58.00	364	

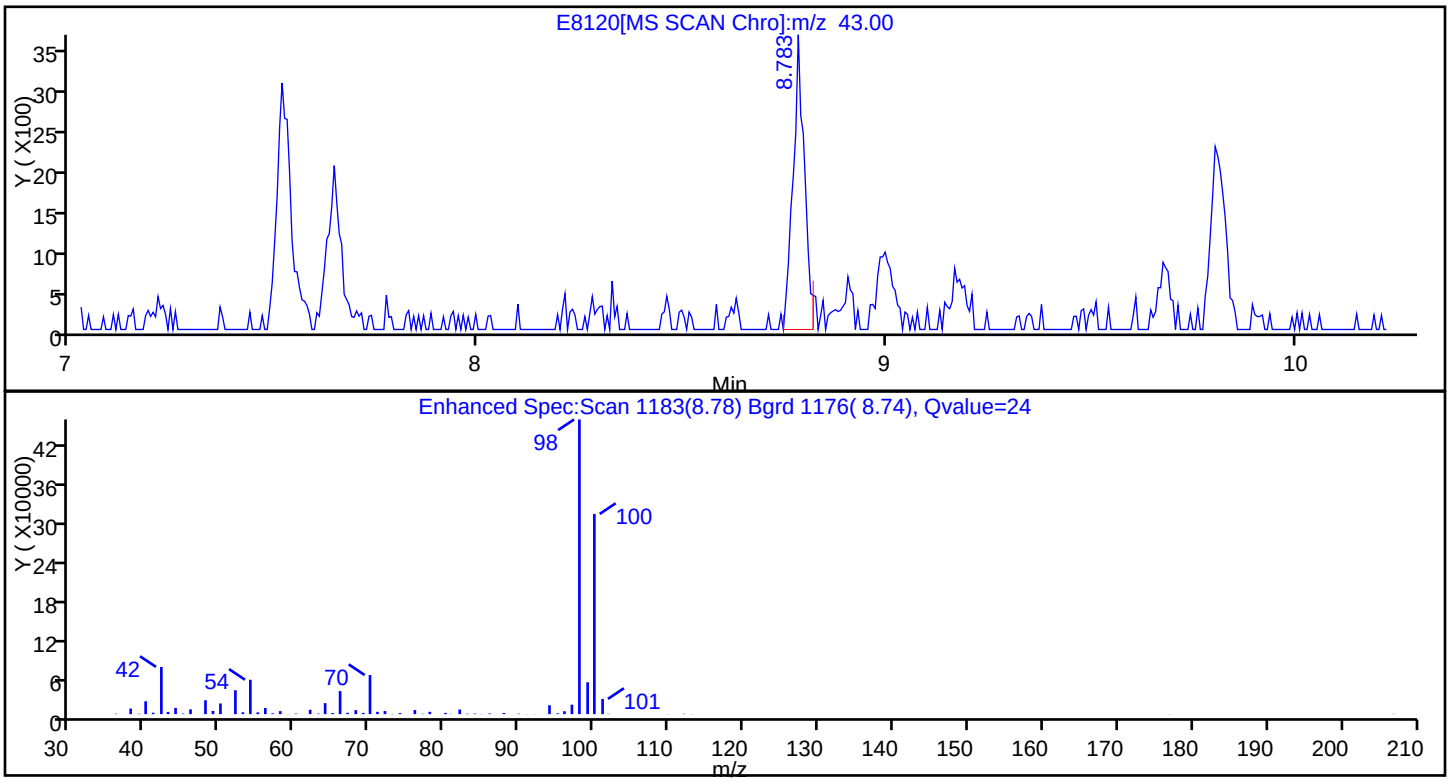
Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
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8.78	58.00	7629	

Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Marked Compound Undetected
Audit Reason:

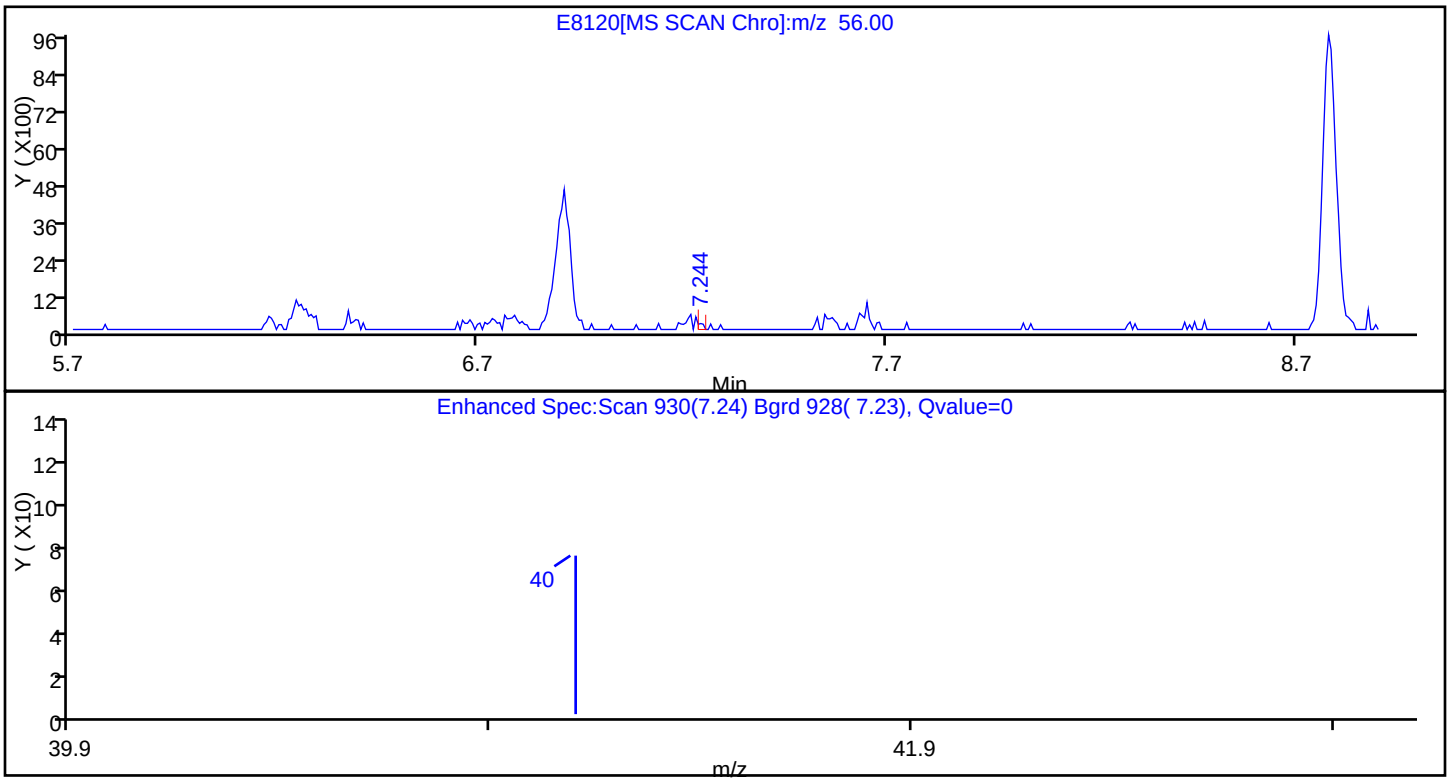
Report Date: 09-Mar-2011 04:14:31 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.24	56.00	195	0.701078
7.24	41.00	194	
7.24	43.00	95	

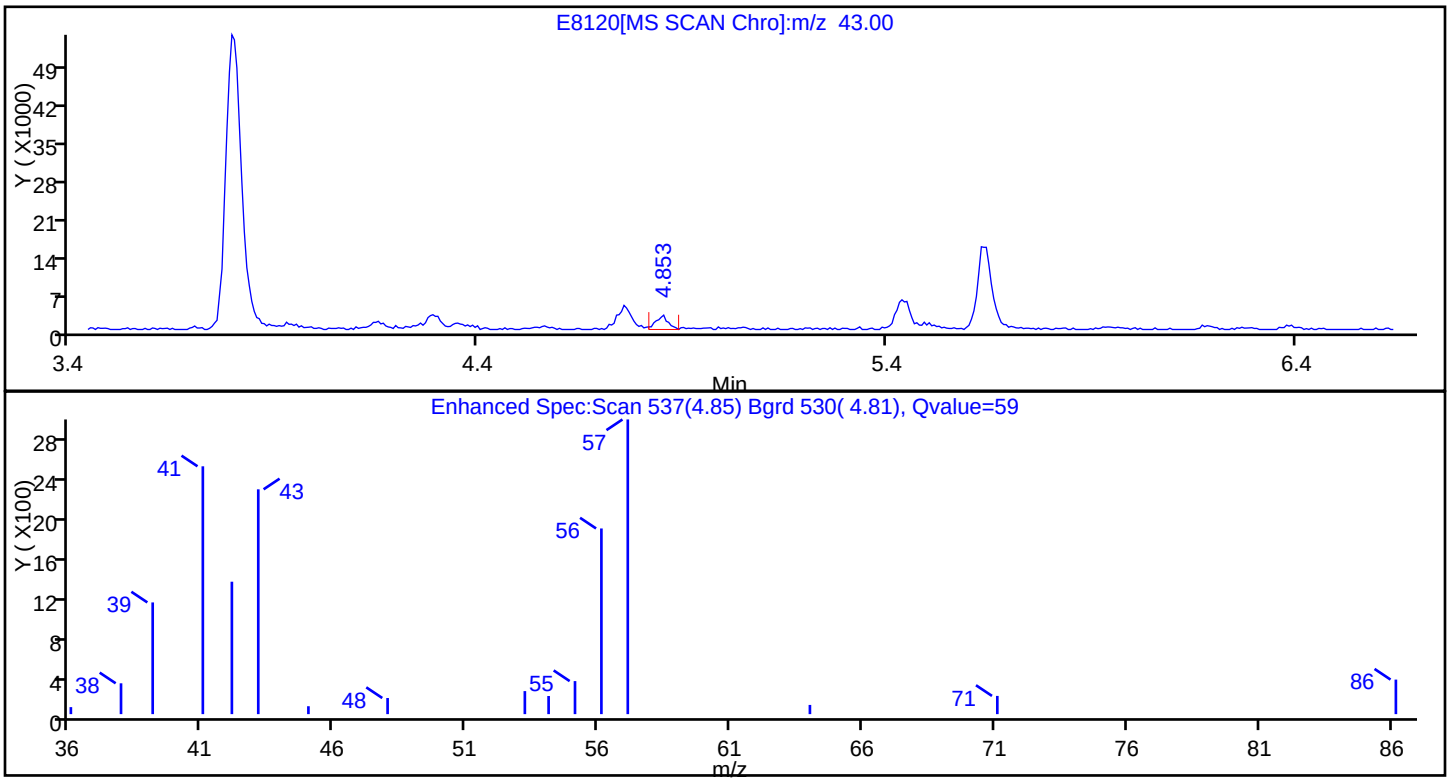
Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8120.D		
Injection Date:	08-Mar-2011 22:03:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	18
Operator ID:	WH		

29 Vinyl acetate

Processing Results



RT	Mass	Response	Amount
4.85	43.00	5474	0.355711
4.87	86.00	487	

Reviewer: hobartw, 09-Mar-2011 04:14:31
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: E8121.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:50

Sample wt/vol: 31.933(g) | Date Analyzed: 03/08/2011 22:37

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.034		0.013	0.0026
107-02-8	Acrolein	<0.26		0.26	0.0032
71-43-2	Benzene	<0.0066	*	0.0066	0.0015
75-27-4	Bromodichloromethane	<0.0066		0.0066	0.00067
75-25-2	Bromoform	<0.0066		0.0066	0.0019
74-83-9	Bromomethane	<0.0066		0.0066	0.0023
75-15-0	Carbon disulfide	<0.0066		0.0066	0.0017
56-23-5	Carbon tetrachloride	<0.0066		0.0066	0.0015
108-90-7	Chlorobenzene	<0.0066		0.0066	0.00088
124-48-1	Chlorodibromomethane	<0.0066		0.0066	0.00066
75-00-3	Chloroethane	<0.0066		0.0066	0.0022
67-66-3	Chloroform	<0.0066		0.0066	0.0013
74-87-3	Chloromethane	<0.0066		0.0066	0.0019
156-59-2	cis-1,2-Dichloroethylene	<0.0066		0.0066	0.0015
10061-01-5	cis-1,3-Dichloropropene	<0.0066		0.0066	0.00066
110-82-7	Cyclohexane	<0.0066	*	0.0066	0.0021
106-93-4	1,2-Dibromoethane	<0.0066		0.0066	0.00066
75-35-4	1,1-Dichlorethylene	<0.0066		0.0066	0.0023
75-34-3	1,1-Dichloroethane	<0.0066		0.0066	0.0021
107-06-2	1,2-Dichloroethane	<0.0066		0.0066	0.0013
78-87-5	1,2-Dichloropropane	<0.0066		0.0066	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.013		0.013	
141-78-6	Ethyl acetate	<0.0066		0.0066	0.0014
100-41-4	Ethylbenzene	<0.0066	*	0.0066	0.0010
74-88-4	Iodomethane	<0.013	*	0.013	0.0048
98-82-8	Isopropylbenzene	<0.0066	*	0.0066	0.00097
79-20-9	Methyl acetate	<0.0066		0.0066	0.00097
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.013		0.013	0.0010
108-87-2	Methylcyclohexane	<0.0066	*	0.0066	0.0016
75-09-2	Methylene Chloride	<0.0066		0.0066	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	0.00066
1634-04-4	Methyl tert-butyl ether	<0.0066		0.0066	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.020
110-54-3	n-Hexane	<0.0066	*	0.0066	0.0026
103-65-1	n-Propylbenzene	<0.0066	*	0.0066	0.0026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: E8121.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:50

Sample wt/vol: 31.933(g) | Date Analyzed: 03/08/2011 22:37

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0066	*	0.0066	0.00089
630-20-6	1,1,1,2-Tetrachloroethane	<0.0066		0.0066	0.00091
79-34-5	1,1,2,2-Tetrachloroethane	<0.0066		0.0066	0.0015
127-18-4	Tetrachloroethylene	<0.0066	*	0.0066	0.0014
108-88-3	Toluene	<0.0066	*	0.0066	0.0015
156-60-5	trans-1,2-Dichloroethylene	<0.0066		0.0066	0.0022
10061-02-6	trans-1,3-Dichloropropene	<0.0066		0.0066	0.00066
71-55-6	1,1,1-Trichloroethane	<0.0066	*	0.0066	0.0015
79-00-5	1,1,2-Trichloroethane	<0.0066		0.0066	0.00091
79-01-6	Trichloroethene	<0.0066		0.0066	0.0015
75-69-4	Trichlorofluoromethane	<0.0066		0.0066	0.0023
95-63-6	1,2,4-Trimethylbenzene	<0.0066	*	0.0066	0.0026
108-67-8	1,3,5-Trimethylbenzene	<0.0066	*	0.0066	0.00097
108-05-4	Vinyl acetate	<0.0066		0.0066	0.0017
75-01-4	Vinyl chloride	<0.0066		0.0066	0.0030
1330-20-7	Xylenes, Total	<0.013	*	0.013	0.0027

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	101		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		76-137
2037-26-5	Toluene-d8 (Surr)	98		70-130

Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D
Lims ID: 510-62781-E-4-A Client ID: SB0058:TP2:040050
Inject. Date: 08-Mar-2011 22:37:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-62781-E-4-A
Misc. Info.: 510-0004493-019 =510-0004493-019
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 19
Lims Batch ID: 77032 Lims Sample ID: 19
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m
Last Update: 08-Mar-2011 17:05:40 Calib Date: 08-Mar-2011 16:19:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 09-Mar-2011 04:15:14

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.911	6.897	0.014	0	1244595	50.0	M
* 2 Chlorobenzene-d5	117	10.652	10.651	0.001	90	915067	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.924	-0.005	97	533014	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	466031	54.1	
$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	95	1172277	49.1	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	85	511977	50.4	
18 Acetone	58	3.796	3.801	-0.005	100	27807	25.9	
19 Iodomethane	142	3.911	3.886	0.025	54	973	0.6334	
34 2-Butanone (MEK)	72	5.639	5.638	0.001	93	4363	3.29	
42 1,2-Dichloroethane	62	6.612	6.605	0.007	64	2425	0.2158	
45 Trichloroethene	132	7.330	7.323	0.007	89	2716	0.4392	
66 o-Xylene	91	11.534	11.539	-0.005	92	5484	0.2199	
S 91 Xylenes, Total	100				0		0.2199	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D

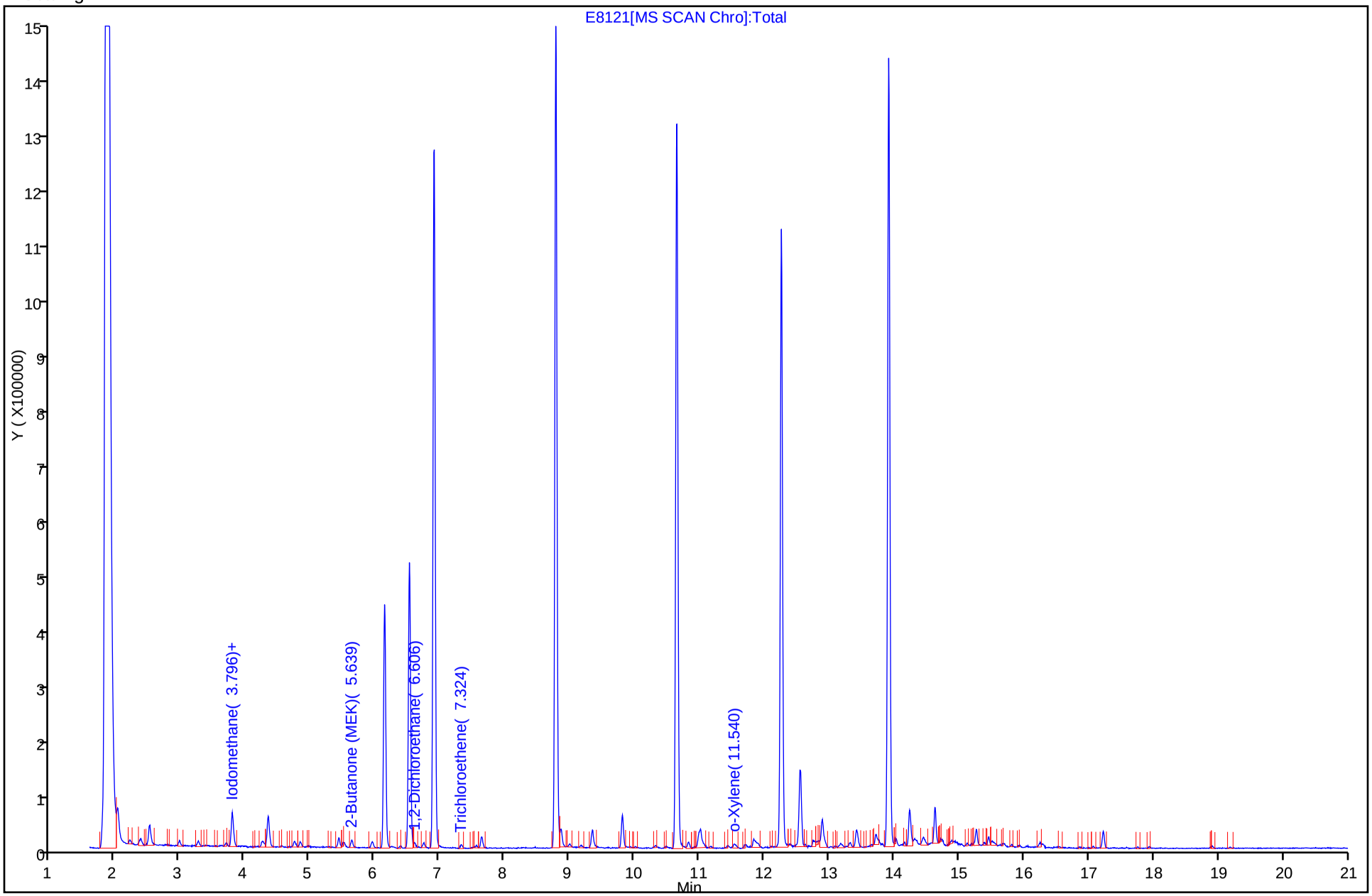
Injection Date: 08-Mar-2011 22:37:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP2:040050 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 19

Operator ID: WH

Y Scaling:



Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D

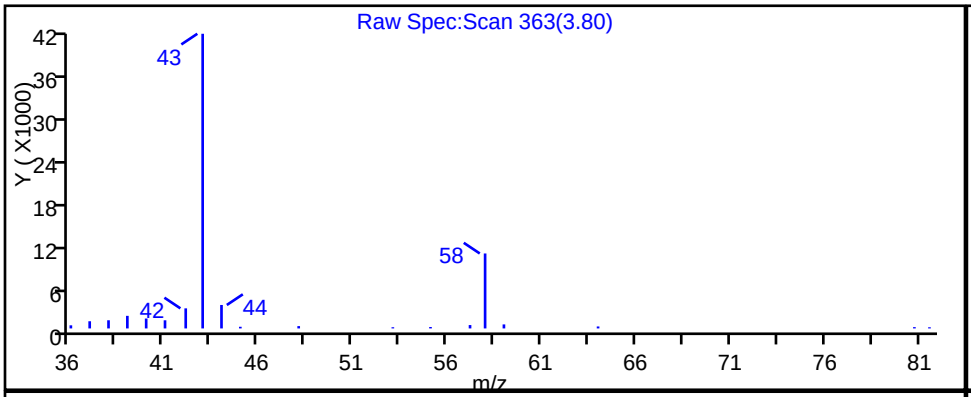
Injection Date: 08-Mar-2011 22:37:30 Limit Group: VMS - 8260 VOA Calibration

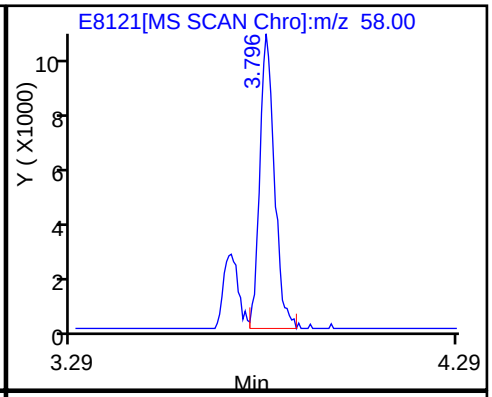
Client ID: SB0058:TP2:040050 Instrument ID: VMSA

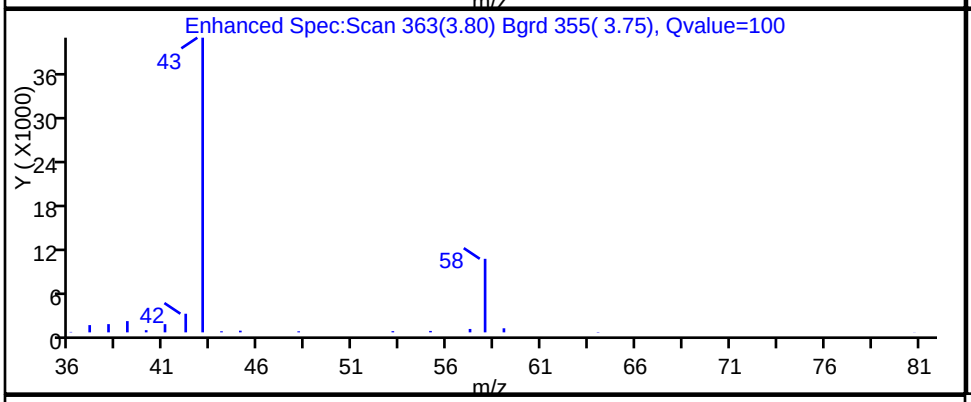
Lims Batch ID: 77032 Lims Sample ID: 19

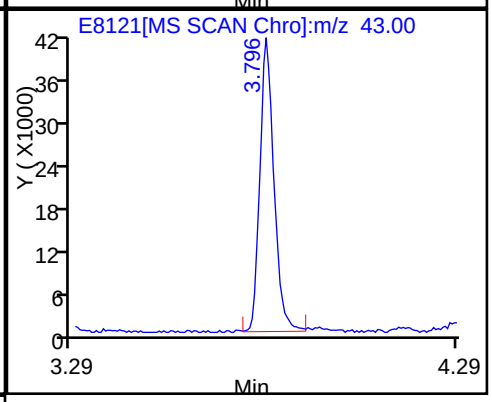
Operator ID: WH

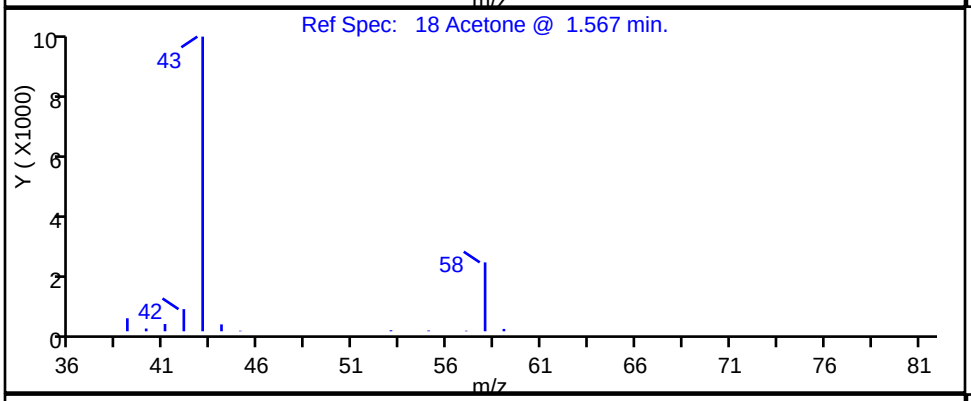
18 Acetone

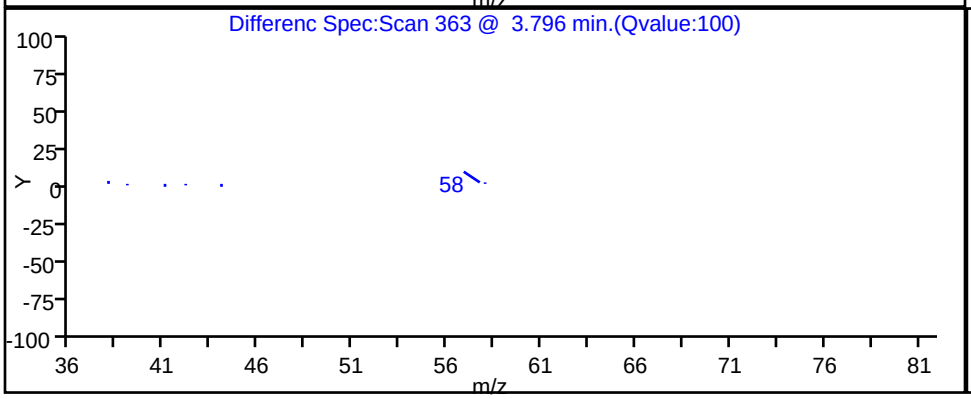


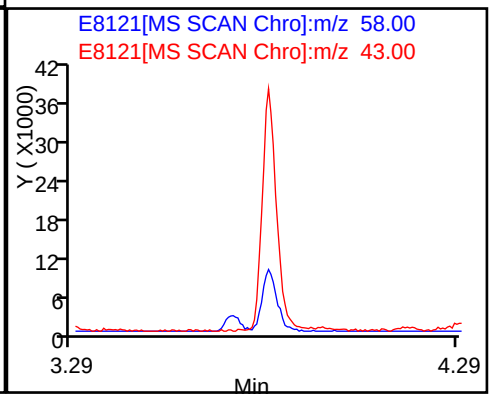












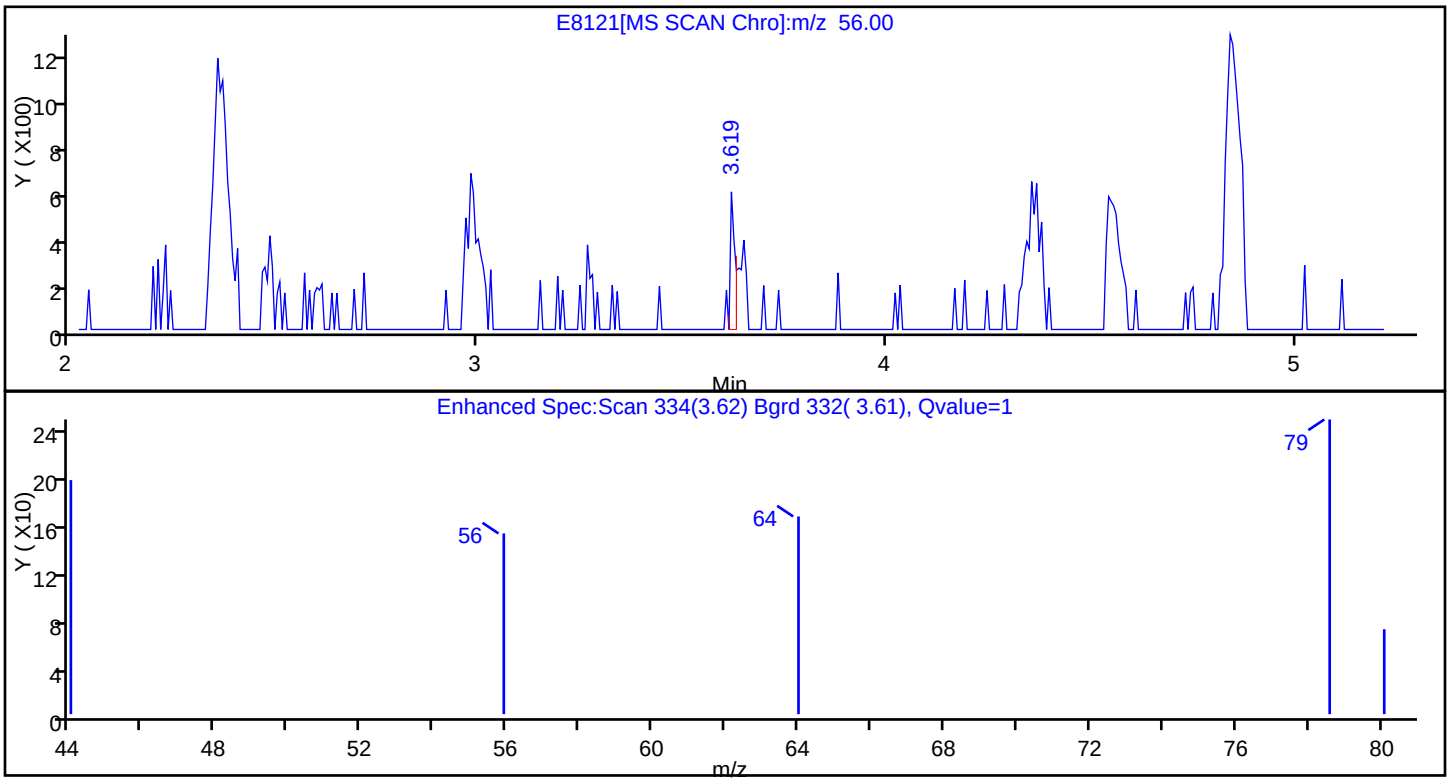
Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.62	56.00	438	0.701666
3.61	55.00	193	

Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

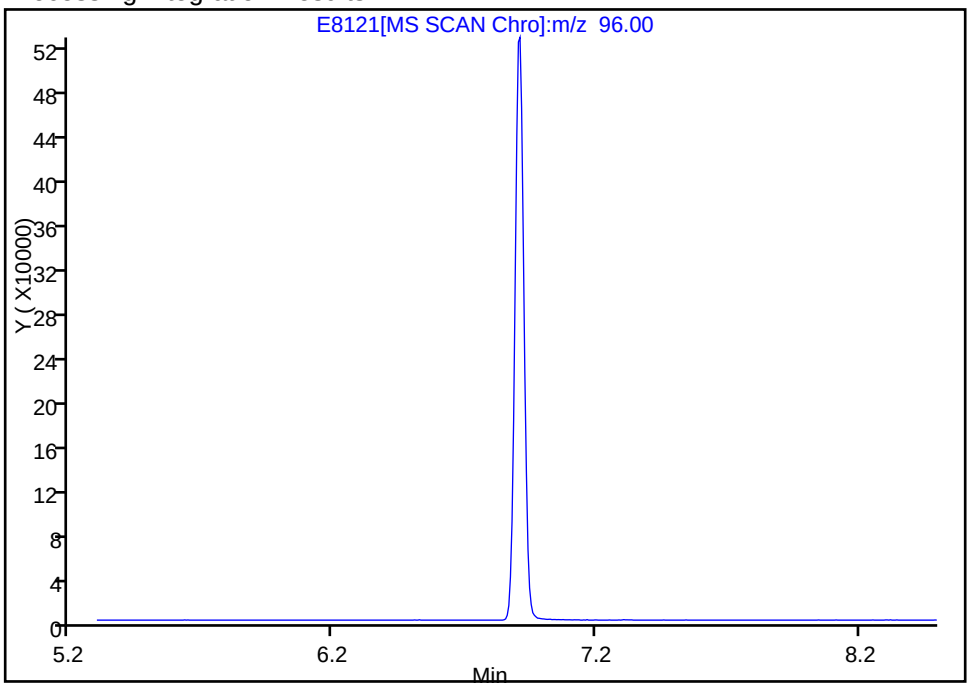
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

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

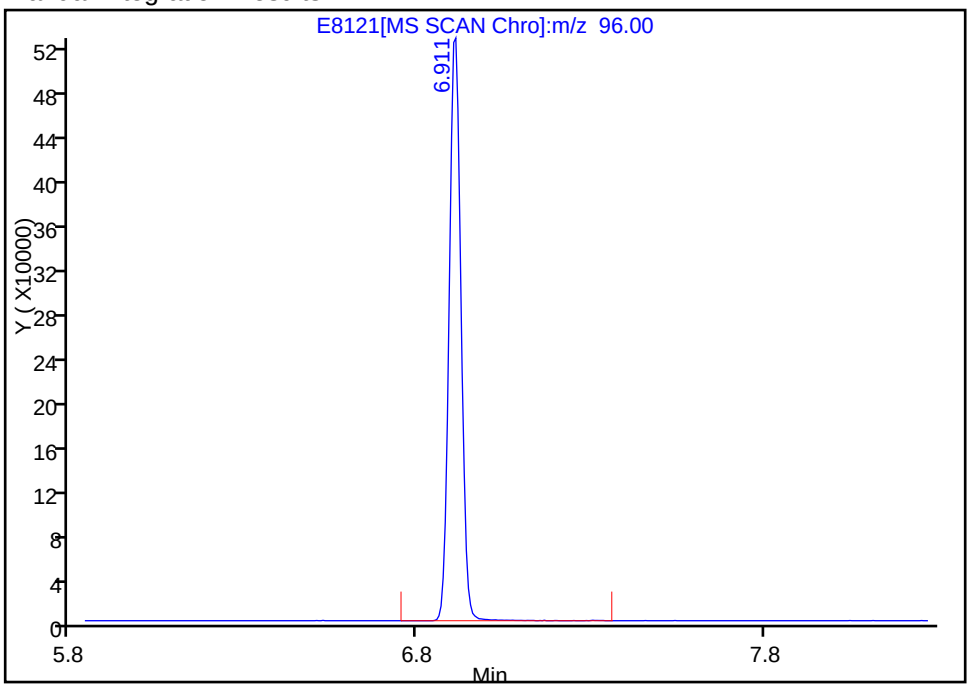
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1244595
Amount: 50.000000



Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Manually Integrated
Audit Reason: Assign Peak

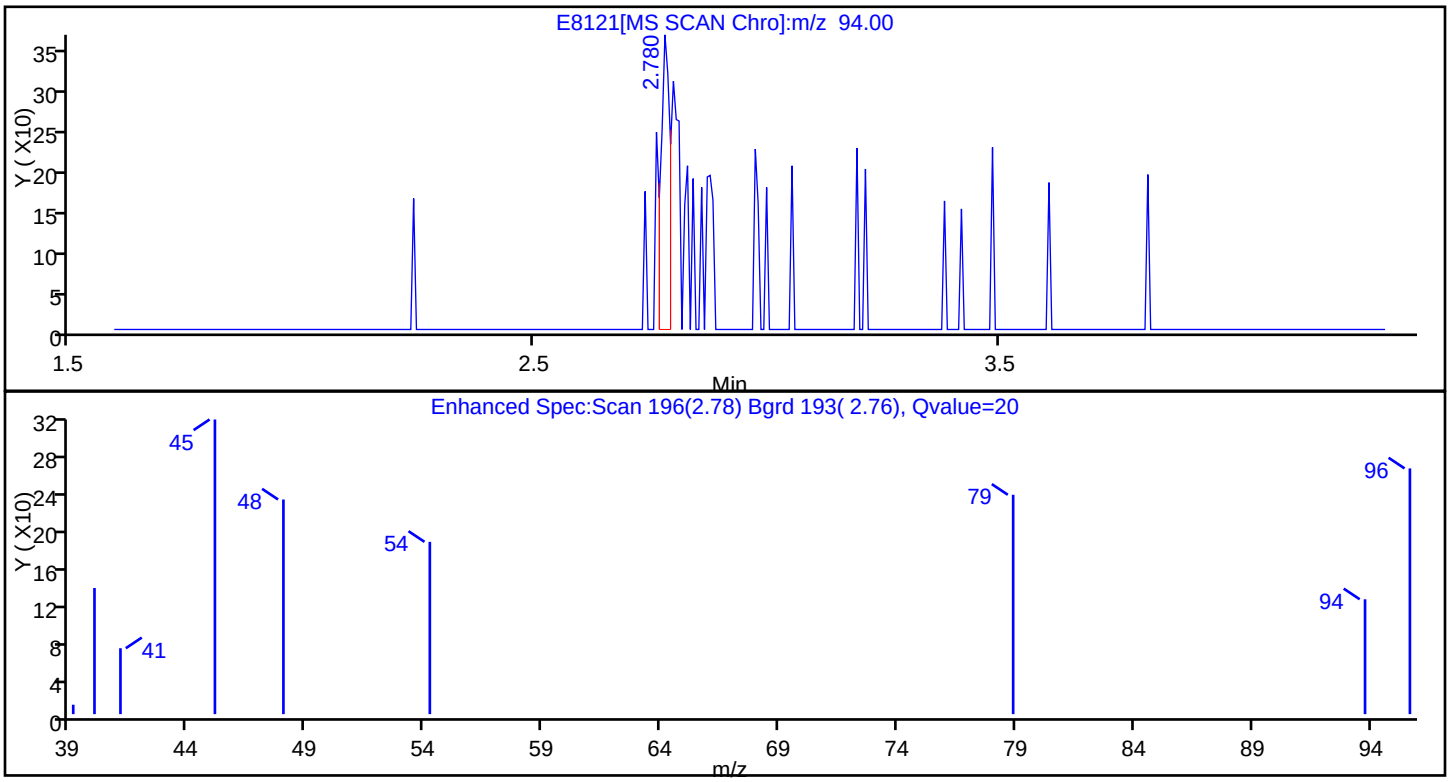
Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

11 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.78	94.00	488	0.202197
2.78	96.00	334	

Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

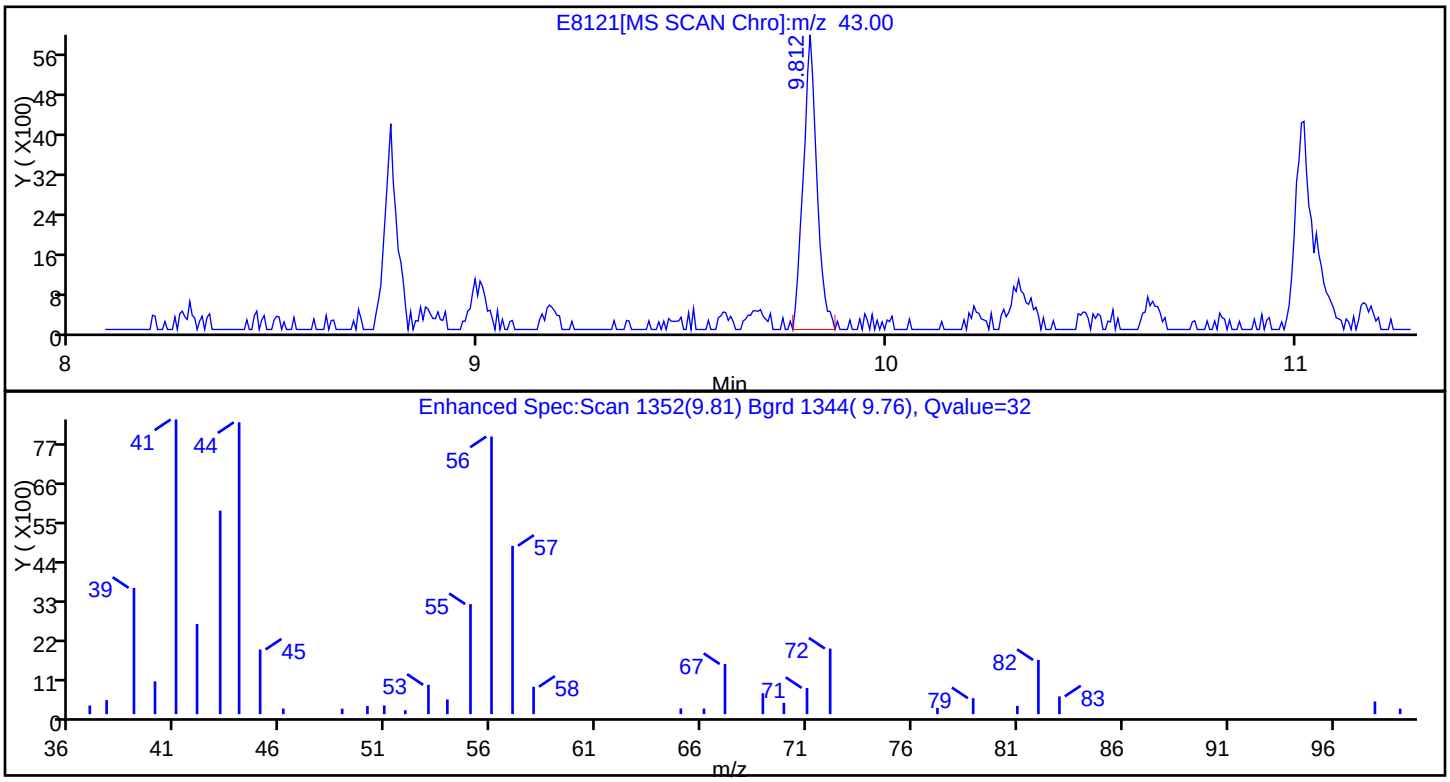
Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.81	43.00	13686	1.832794
9.81	58.00	2022	

Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

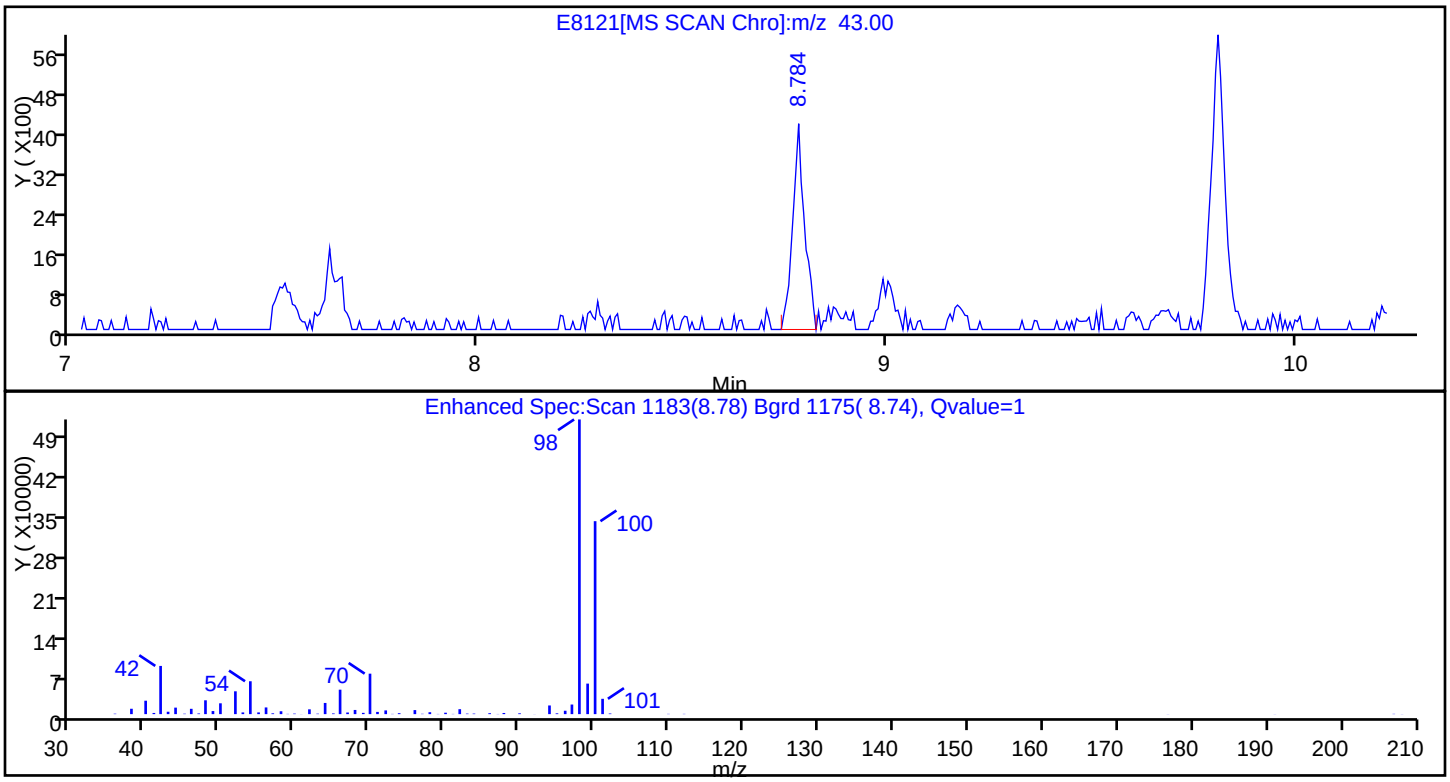
Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.78	43.00	8440	0.913454
8.79	58.00	12068	

Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

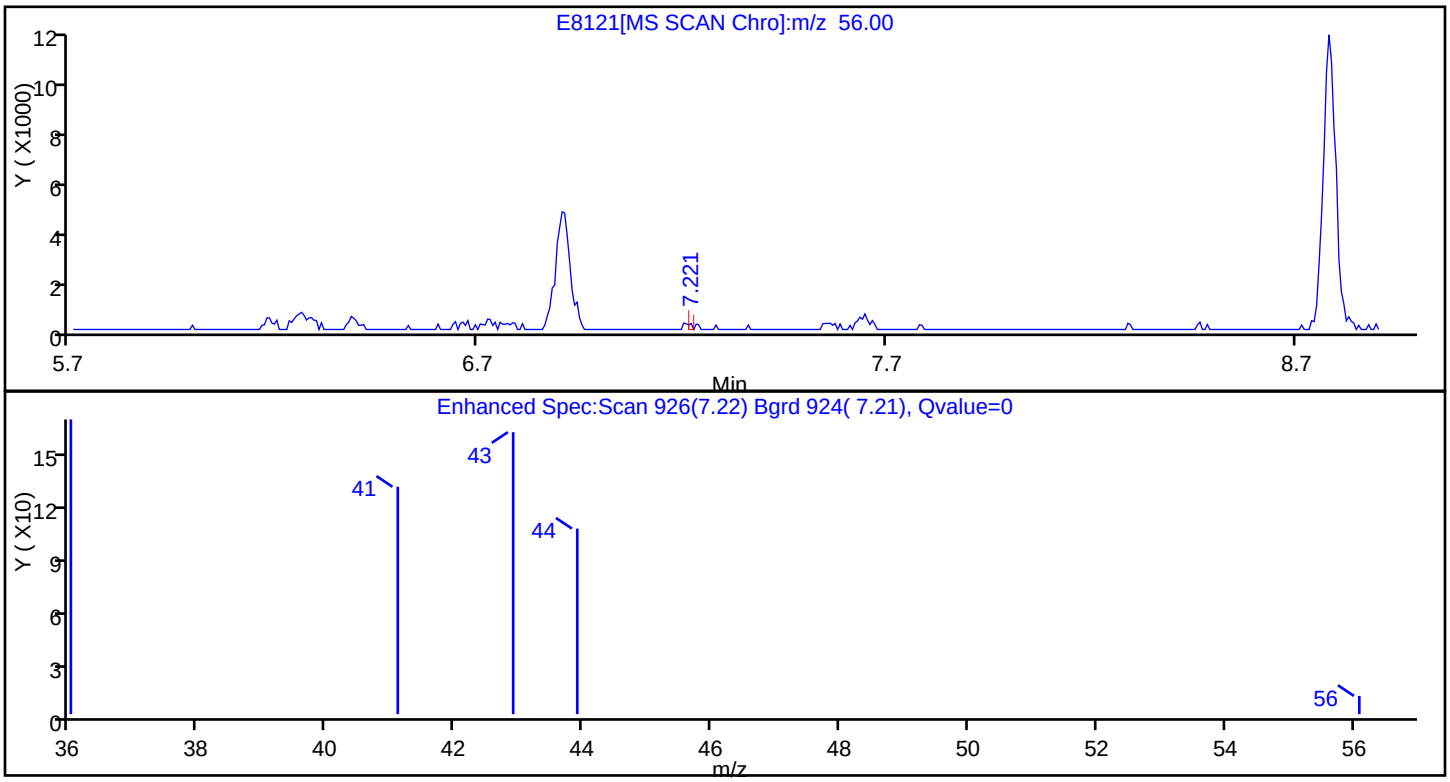
Report Date: 09-Mar-2011 04:15:15 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	150	0.507008
7.22	41.00	357	
7.21	43.00	121	

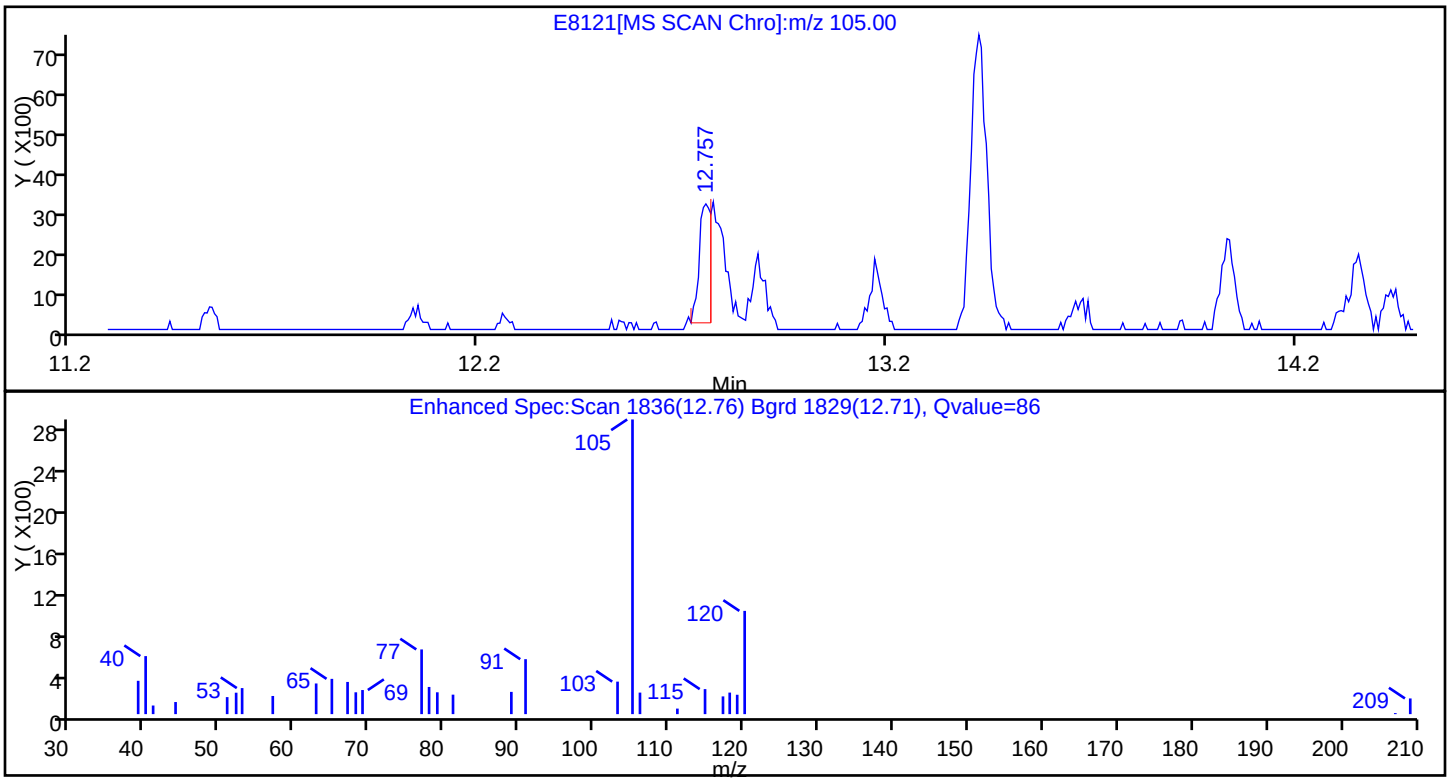
Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8121.D		
Injection Date:	08-Mar-2011 22:37:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	19
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.76	105.00	6020	0.248895
12.76	120.00	2267	
12.76	91.00	2087	

Reviewer: hobartw, 09-Mar-2011 04:15:14
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: E8122.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:30

Sample wt/vol: 31.903(g) | Date Analyzed: 03/08/2011 23:12

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.4 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.027		0.013	0.0025
107-02-8	Acrolein	<0.26		0.26	0.0031
71-43-2	Benzene	<0.0065	*	0.0065	0.0015
75-27-4	Bromodichloromethane	<0.0065		0.0065	0.00065
75-25-2	Bromoform	<0.0065		0.0065	0.0019
74-83-9	Bromomethane	<0.0065		0.0065	0.0023
75-15-0	Carbon disulfide	<0.0065		0.0065	0.0017
56-23-5	Carbon tetrachloride	<0.0065		0.0065	0.0015
108-90-7	Chlorobenzene	<0.0065		0.0065	0.00086
124-48-1	Chlorodibromomethane	<0.0065		0.0065	0.00065
75-00-3	Chloroethane	<0.0065		0.0065	0.0021
67-66-3	Chloroform	<0.0065		0.0065	0.0013
74-87-3	Chloromethane	<0.0065		0.0065	0.0018
156-59-2	cis-1,2-Dichloroethylene	<0.0065		0.0065	0.0015
10061-01-5	cis-1,3-Dichloropropene	<0.0065		0.0065	0.00065
110-82-7	Cyclohexane	<0.0065	*	0.0065	0.0020
106-93-4	1,2-Dibromoethane	<0.0065		0.0065	0.00065
75-35-4	1,1-Dichlorethylene	<0.0065		0.0065	0.0022
75-34-3	1,1-Dichloroethane	<0.0065		0.0065	0.0021
107-06-2	1,2-Dichloroethane	<0.0065		0.0065	0.0012
78-87-5	1,2-Dichloropropane	<0.0065		0.0065	0.0011
542-75-6	1,3-Dichloropropene, Total	<0.013		0.013	
141-78-6	Ethyl acetate	<0.0065		0.0065	0.0014
100-41-4	Ethylbenzene	<0.0065	*	0.0065	0.0010
74-88-4	Iodomethane	<0.013	*	0.013	0.0047
98-82-8	Isopropylbenzene	<0.0065	*	0.0065	0.00095
79-20-9	Methyl acetate	<0.0065		0.0065	0.00095
591-78-6	Methyl Butyl Ketone (2-Hexanone)	<0.013		0.013	0.0010
108-87-2	Methylcyclohexane	<0.0065	*	0.0065	0.0016
75-09-2	Methylene Chloride	<0.0065		0.0065	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	0.00065
1634-04-4	Methyl tert-butyl ether	<0.0065		0.0065	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.019
110-54-3	n-Hexane	<0.0065	*	0.0065	0.0026
103-65-1	n-Propylbenzene	<0.0065	*	0.0065	0.0026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: E8122.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:30

Sample wt/vol: 31.903(g) | Date Analyzed: 03/08/2011 23:12

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 8.4 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	<0.0065	*	0.0065	0.00087
630-20-6	1,1,1,2-Tetrachloroethane	<0.0065		0.0065	0.00089
79-34-5	1,1,2,2-Tetrachloroethane	<0.0065		0.0065	0.0014
127-18-4	Tetrachloroethylene	<0.0065	*	0.0065	0.0014
108-88-3	Toluene	<0.0065	*	0.0065	0.0014
156-60-5	trans-1,2-Dichloroethylene	<0.0065		0.0065	0.0022
10061-02-6	trans-1,3-Dichloropropene	<0.0065		0.0065	0.00065
71-55-6	1,1,1-Trichloroethane	<0.0065	*	0.0065	0.0015
79-00-5	1,1,2-Trichloroethane	<0.0065		0.0065	0.00089
79-01-6	Trichloroethene	<0.0065		0.0065	0.0015
75-69-4	Trichlorofluoromethane	<0.0065		0.0065	0.0022
95-63-6	1,2,4-Trimethylbenzene	<0.0065	*	0.0065	0.0026
108-67-8	1,3,5-Trimethylbenzene	<0.0065	*	0.0065	0.00095
108-05-4	Vinyl acetate	<0.0065		0.0065	0.0016
75-01-4	Vinyl chloride	<0.0065		0.0065	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)	99		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		76-137
2037-26-5	Toluene-d8 (Surr)	97		70-130

Report Date: 09-Mar-2011 04:15:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Lims ID:	510-62781-E-5-A	Client ID:	SB0058: FIELD DUPLICATE
Inject. Date:	08-Mar-2011 23:12:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-E-5-A		
Misc. Info.:	510-0004493-020 =510-0004493-020		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	77032	Lims Sample ID:	20
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	09-Mar-2011 04:15:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	0	1244944	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	89	906923	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.924	13.924	0.0	96	525442	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	455844	52.9	
$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	95	1160114	48.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	494386	49.4	
18 Acetone	58	3.795	3.801	-0.006	100	22846	20.9	
19 Iodomethane	142	3.911	3.886	0.025	59	659	0.4289	
34 2-Butanone (MEK)	72	5.638	5.638	0.0	98	3751	2.83	
45 Trichloroethene	132	7.330	7.323	0.007	78	2752	0.4449	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:15:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D

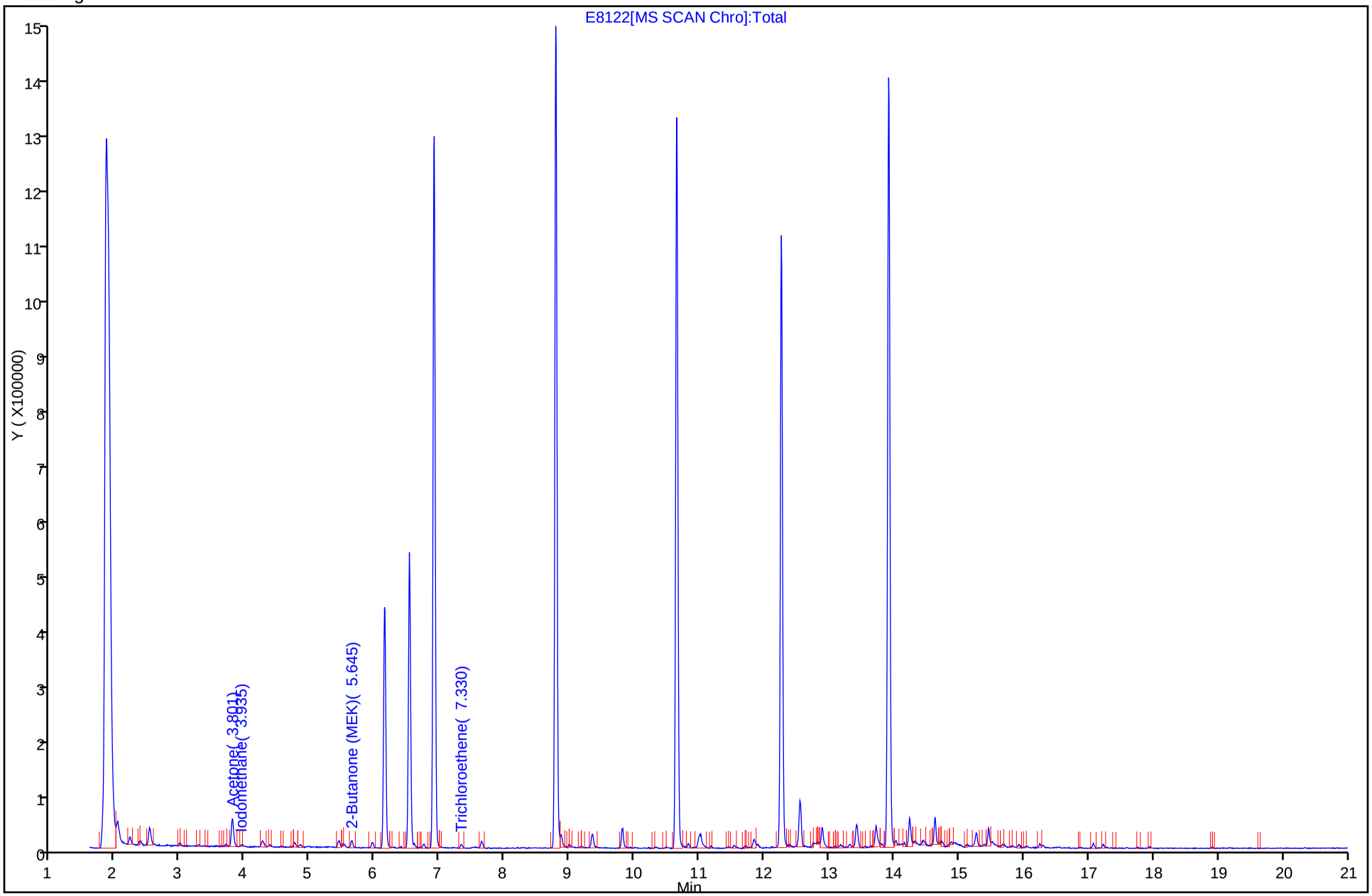
Injection Date: 08-Mar-2011 23:12:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058: FIELD DUPLICATE Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 20

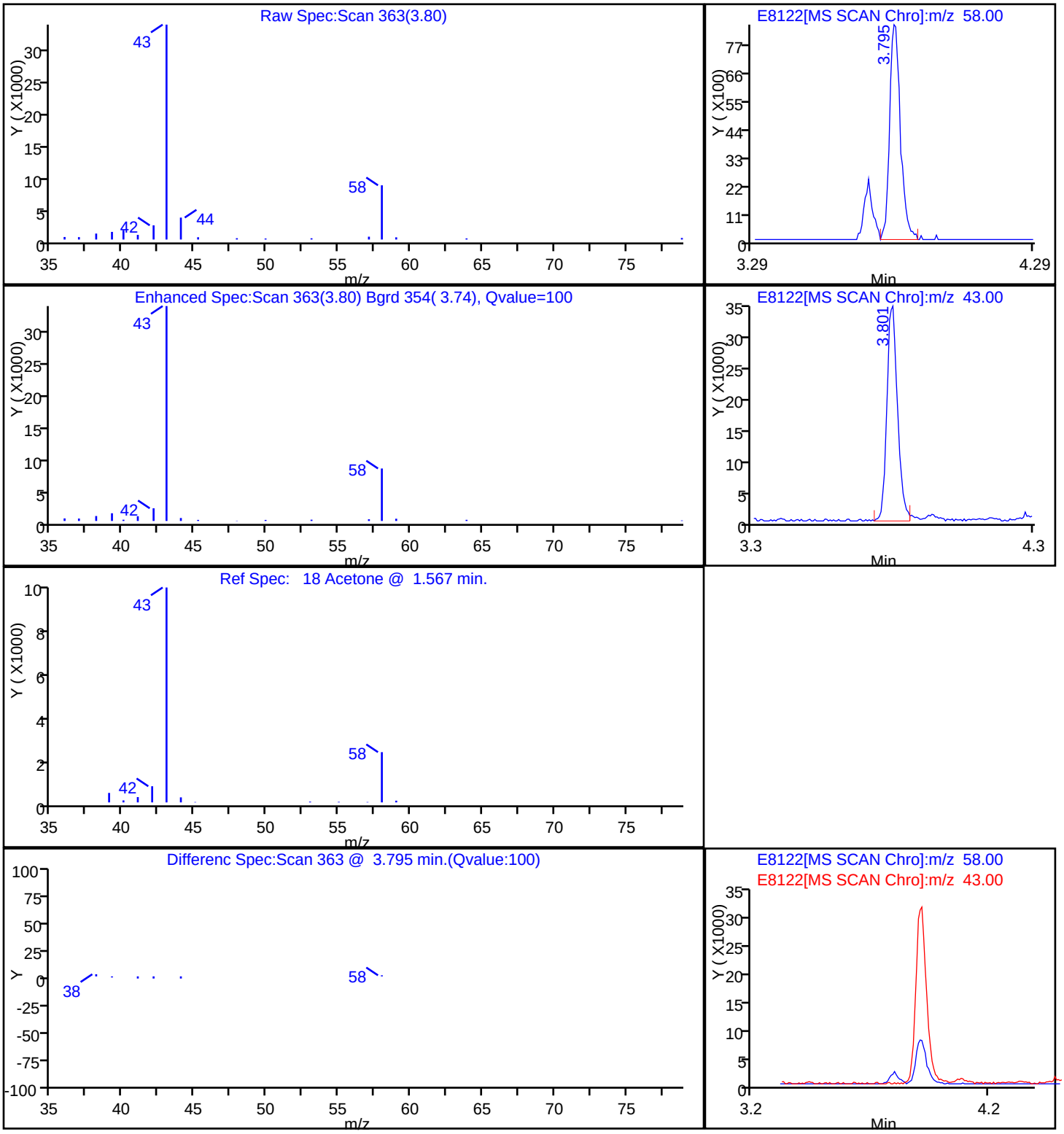
Operator ID: WH

Y Scaling:



Report Date: 09-Mar-2011 04:15:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D
Injection Date: 08-Mar-2011 23:12:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: SB0058: FIELD DUPLICATE Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 20
Operator ID: WH

18 Acetone



Report Date: 09-Mar-2011 04:15:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

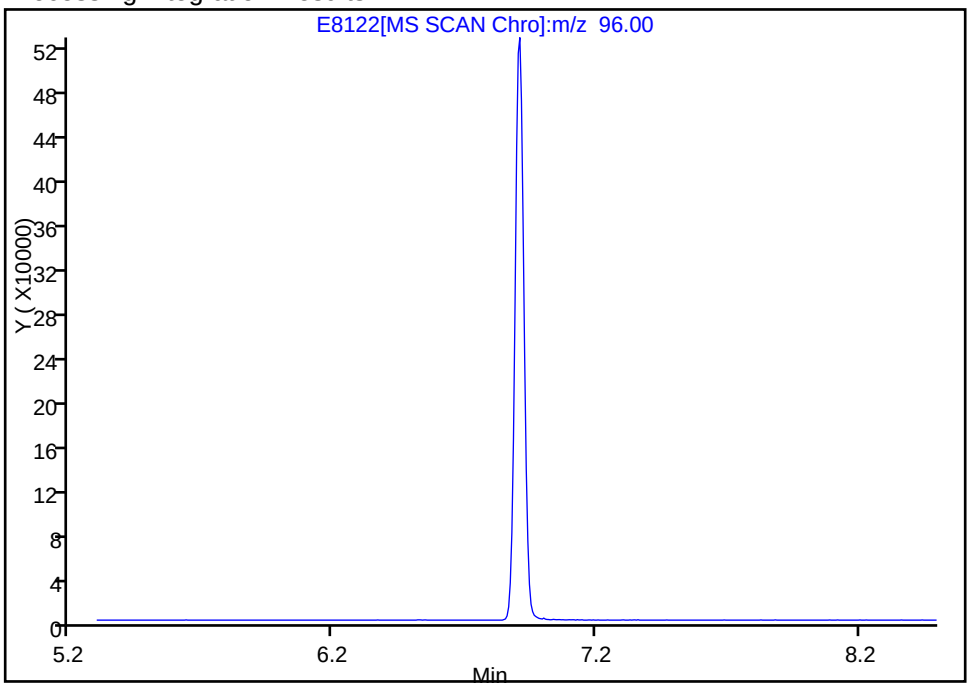
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Injection Date:	08-Mar-2011 23:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	20
Operator ID:	WH		

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

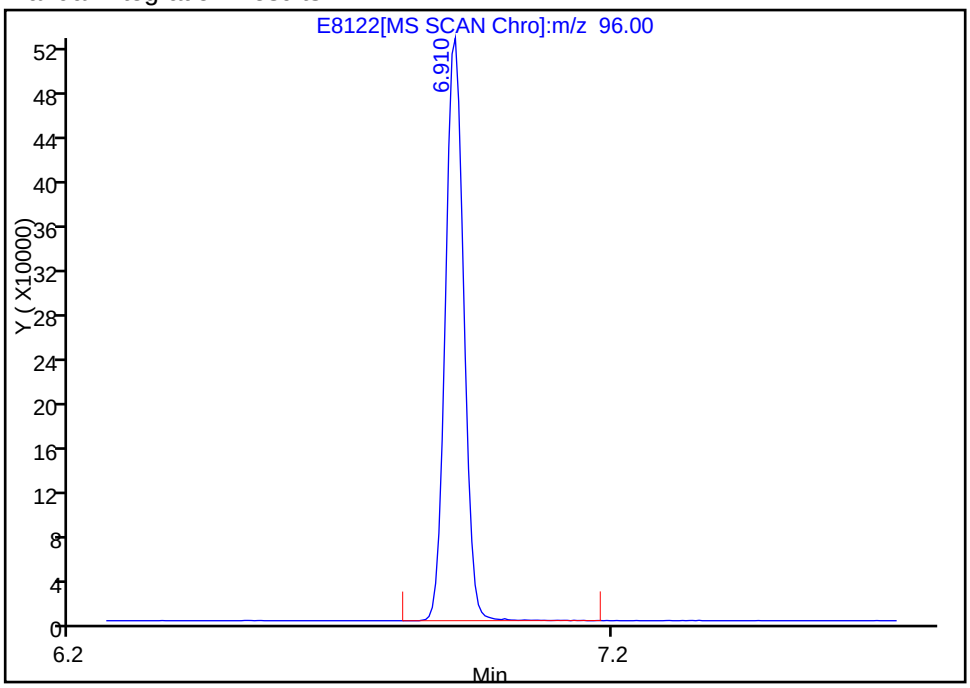
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1244944
Amount: 50.000000



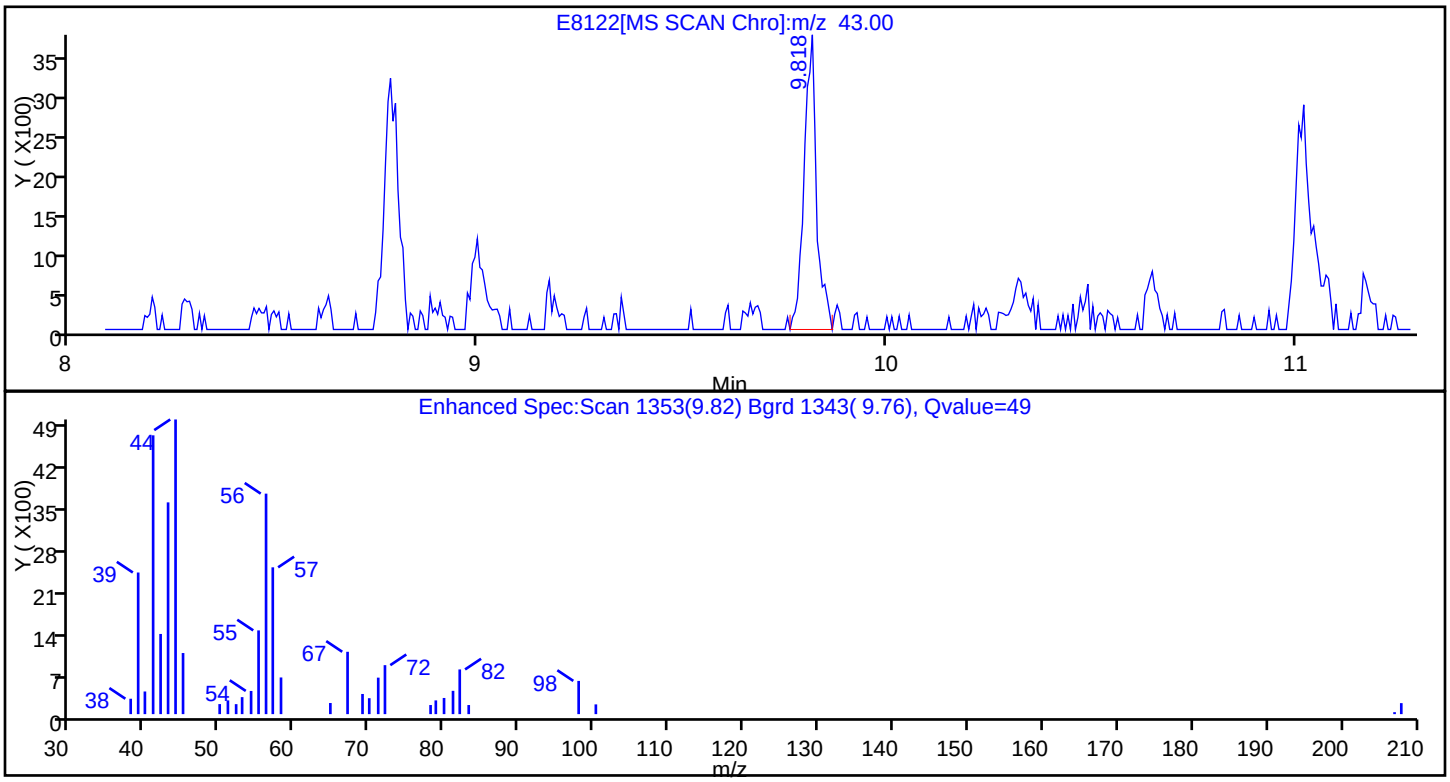
Reviewer: hobartw, 09-Mar-2011 04:15:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Injection Date:	08-Mar-2011 23:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	20
Operator ID:	WH		

59 2-Hexanone

Processing Results



RT	Mass	Response	Amount
9.82	43.00	7877	1.054572
9.81	58.00	1286	

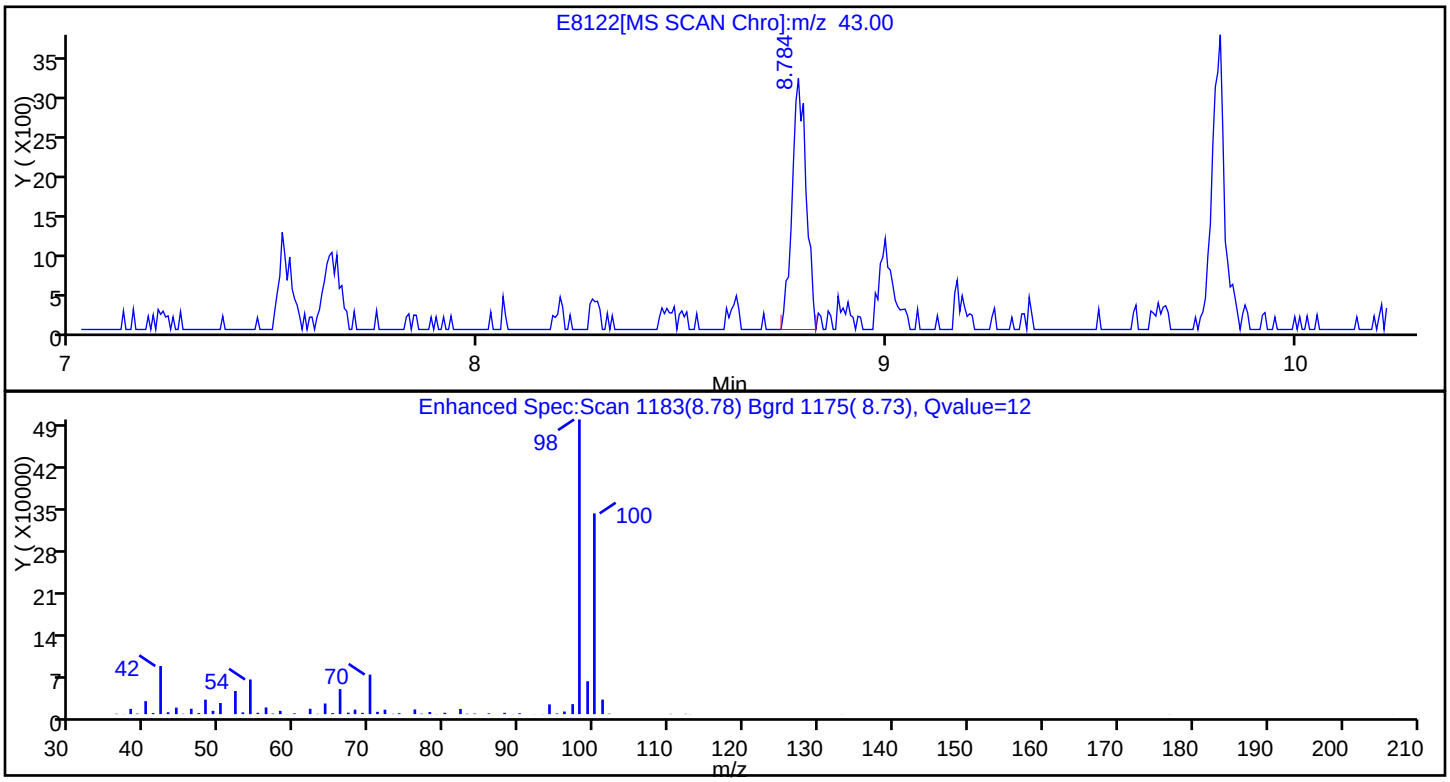
Reviewer: hobartw, 09-Mar-2011 04:15:54
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Injection Date:	08-Mar-2011 23:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	20
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.78	43.00	7562	0.818199
8.78	58.00	12307	
8.78	85.00	190	

Reviewer: hobartw, 09-Mar-2011 04:15:54
Audit Action: Marked Compound Undetected
Audit Reason:

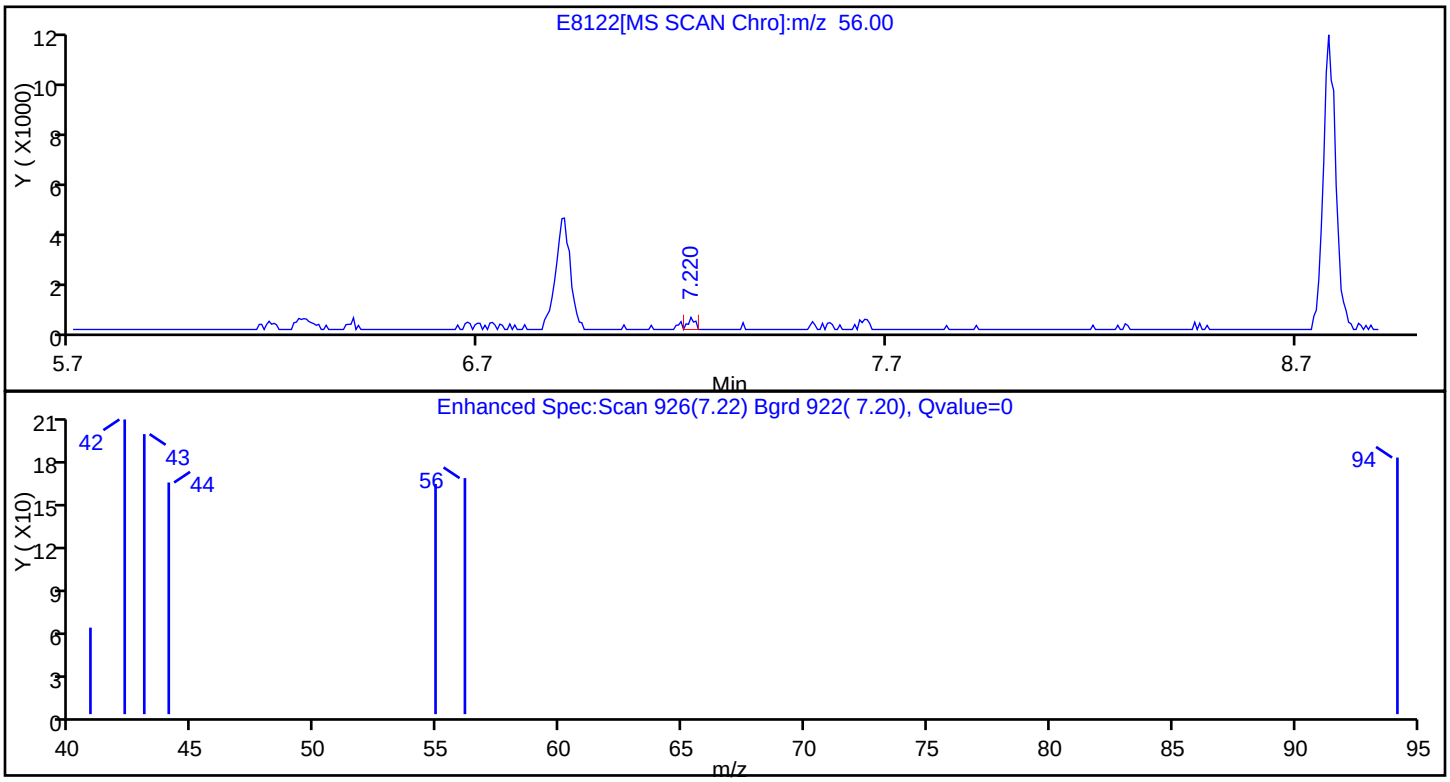
Report Date: 09-Mar-2011 04:15:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Injection Date:	08-Mar-2011 23:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	20
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.22	56.00	539	1.821338
7.23	41.00	314	
7.21	43.00	366	

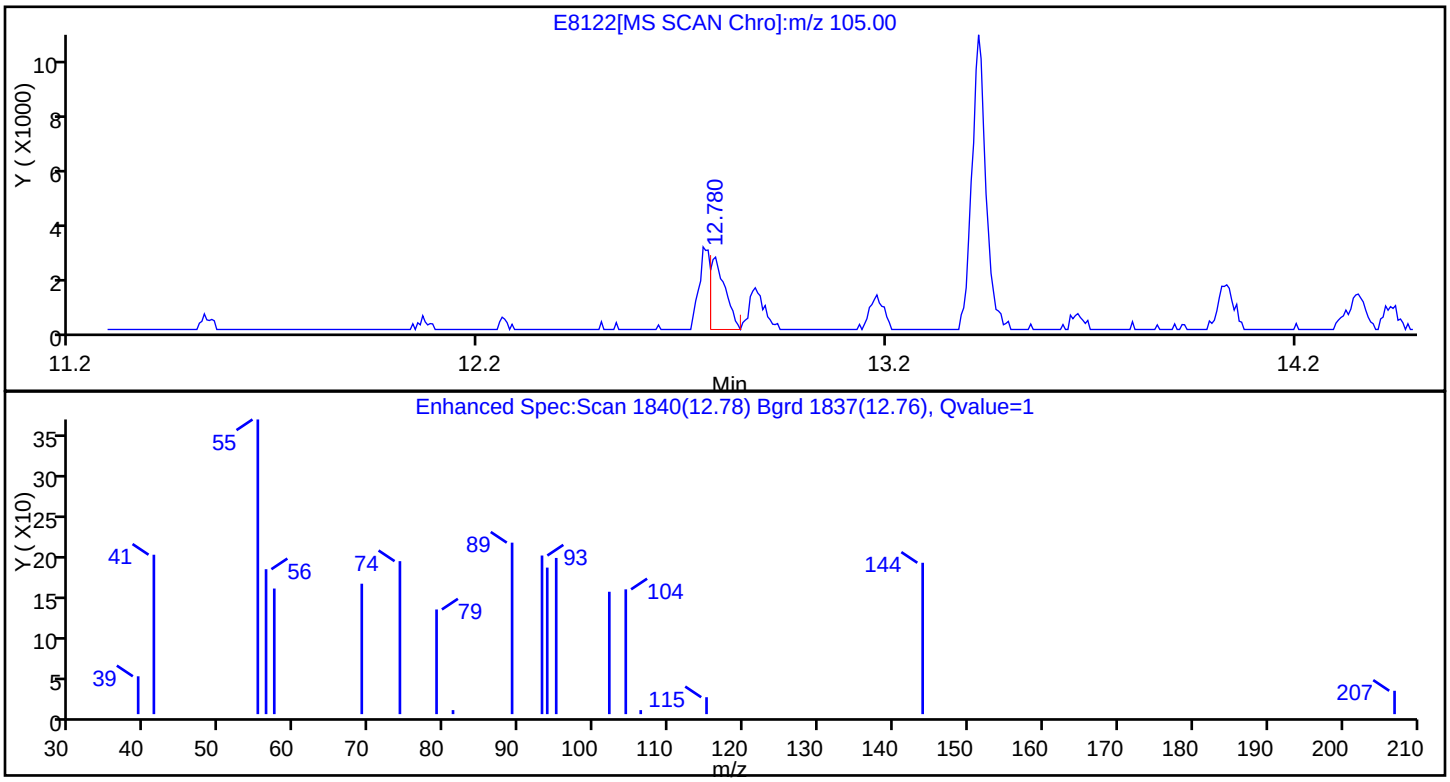
Reviewer: hobartw, 09-Mar-2011 04:15:54
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8122.D		
Injection Date:	08-Mar-2011 23:12:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	20
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.78	105.00	6161	0.258395
12.78	120.00	685	
12.79	91.00	783	

Reviewer: hobartw, 09-Mar-2011 04:15:54
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 510-62781-6

Matrix: Water | Lab File ID: A6496.D

Analysis Method: 8260B | Date Collected: 03/03/2011 11:00

Sample wt/vol: 40(mL) | Date Analyzed: 03/09/2011 21:53

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.: 77114 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-36-3	n-Butanol	<0.10	*	0.10	0.060
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	0.00060
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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: Trip Blank | Lab Sample ID: 510-62781-6

Matrix: Water | Lab File ID: A6496.D

Analysis Method: 8260B | Date Collected: 03/03/2011 11:00

Sample wt/vol: 40(mL) | Date Analyzed: 03/09/2011 21:53

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.: 77114 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
127-18-4	Tetrachloroethylene	<0.0050		0.0050	0.00024
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)	101		81-126
2037-26-5	Toluene-d8 (Surr)	96		89-108
460-00-4	4-Bromofluorobenzene (Surr)	95		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6496.D		
Lims ID:	510-62781-A-6	Client ID:	Trip Blank
Inject. Date:	09-Mar-2011 21:53:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-A-6		
Misc. Info.:	510-0004502-017 =510-0004502-017		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	77114	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 20:36:48	Calib Date:	09-Mar-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	10-Mar-2011 06:19:25

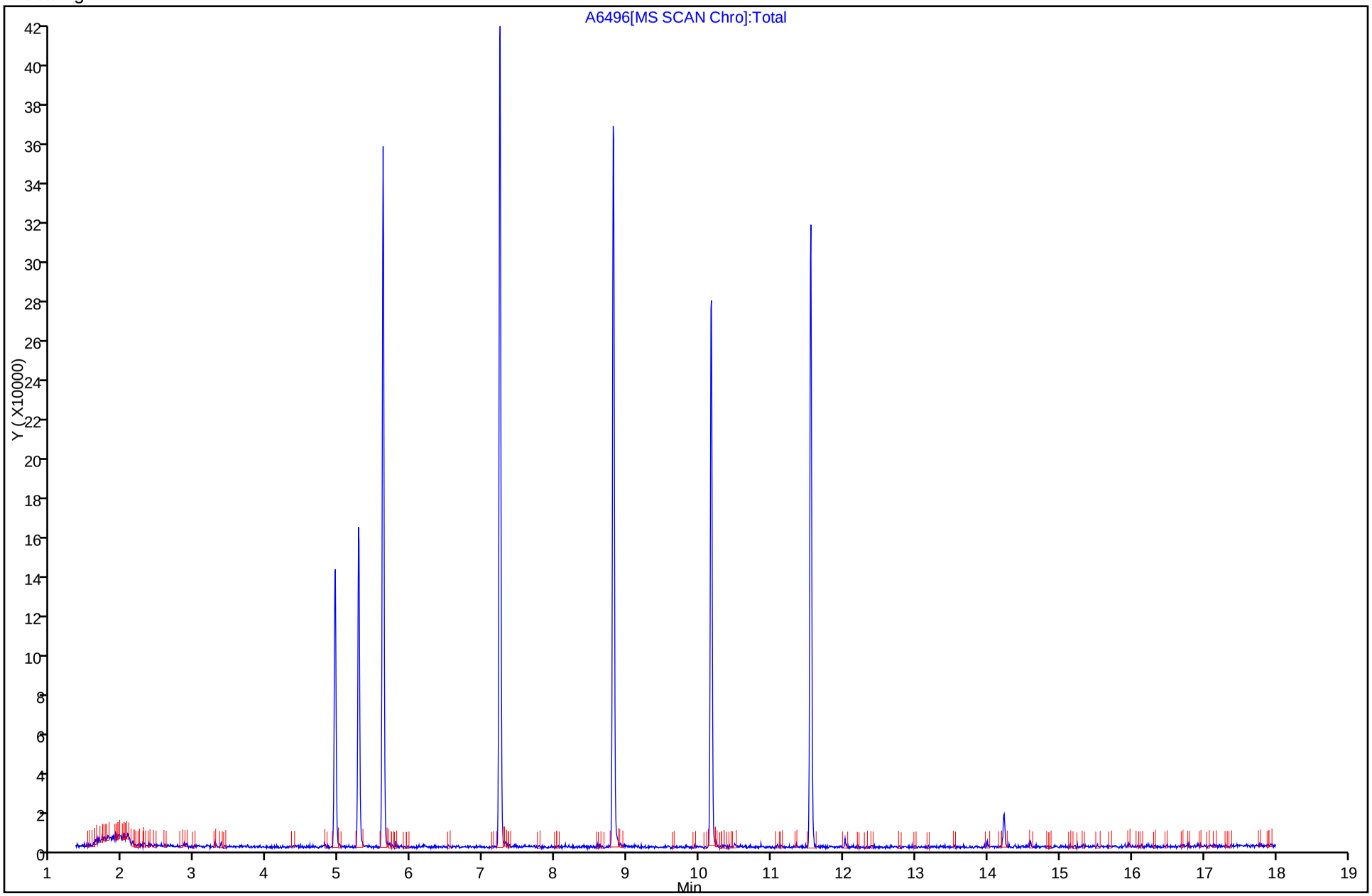
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.609	5.611	-0.002	98	266330	50.0	
* 2 Chlorobenzene-d5	82	8.803	8.805	-0.002	88	121894	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.548	-0.001	97	87750	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.269	5.270	-0.001	0	122516	50.4	
$ 7 Toluene-d8 (Surr)	98	7.234	7.229	0.005	95	263993	48.2	
$ 8 4-Bromofluorobenzene (Surr)	95	10.160	10.161	-0.001	78	100776	47.5	

Report Date: 10-Mar-2011 06:19:25 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6496.D

Injection Date:	09-Mar-2011 21:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Trip Blank	Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	17
Operator ID:	JLH		

Y Scaling:

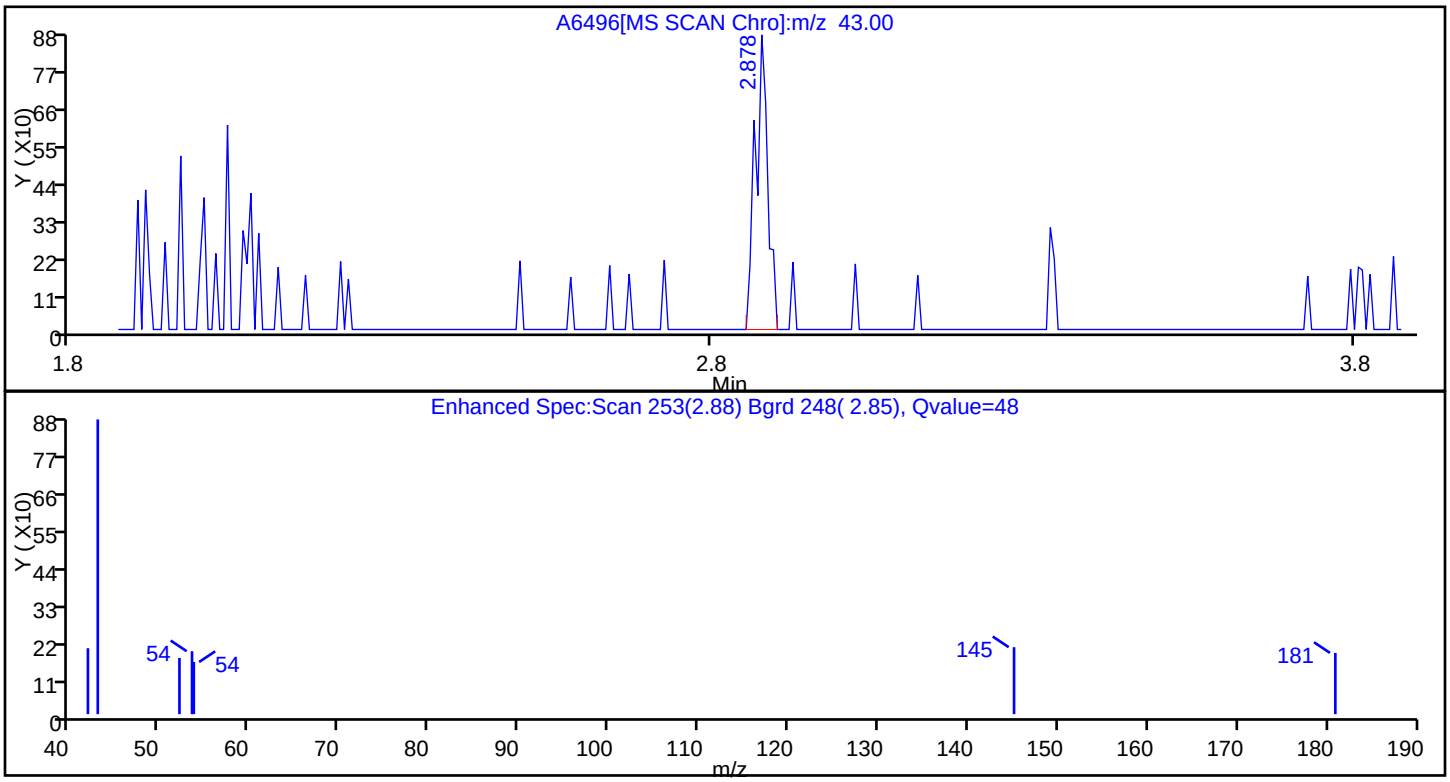


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6496.D		
Injection Date:	09-Mar-2011 21:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Trip Blank	Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	17
Operator ID:	JLH		

22 Acetone

Processing Results



RT	Mass	Response	Amount
2.88	43.00	1183	3.933261
2.88	58.00	137	

Reviewer: hobartw, 10-Mar-2011 06:19:25
Audit Action: Marked Compound Undetected
Audit Reason:

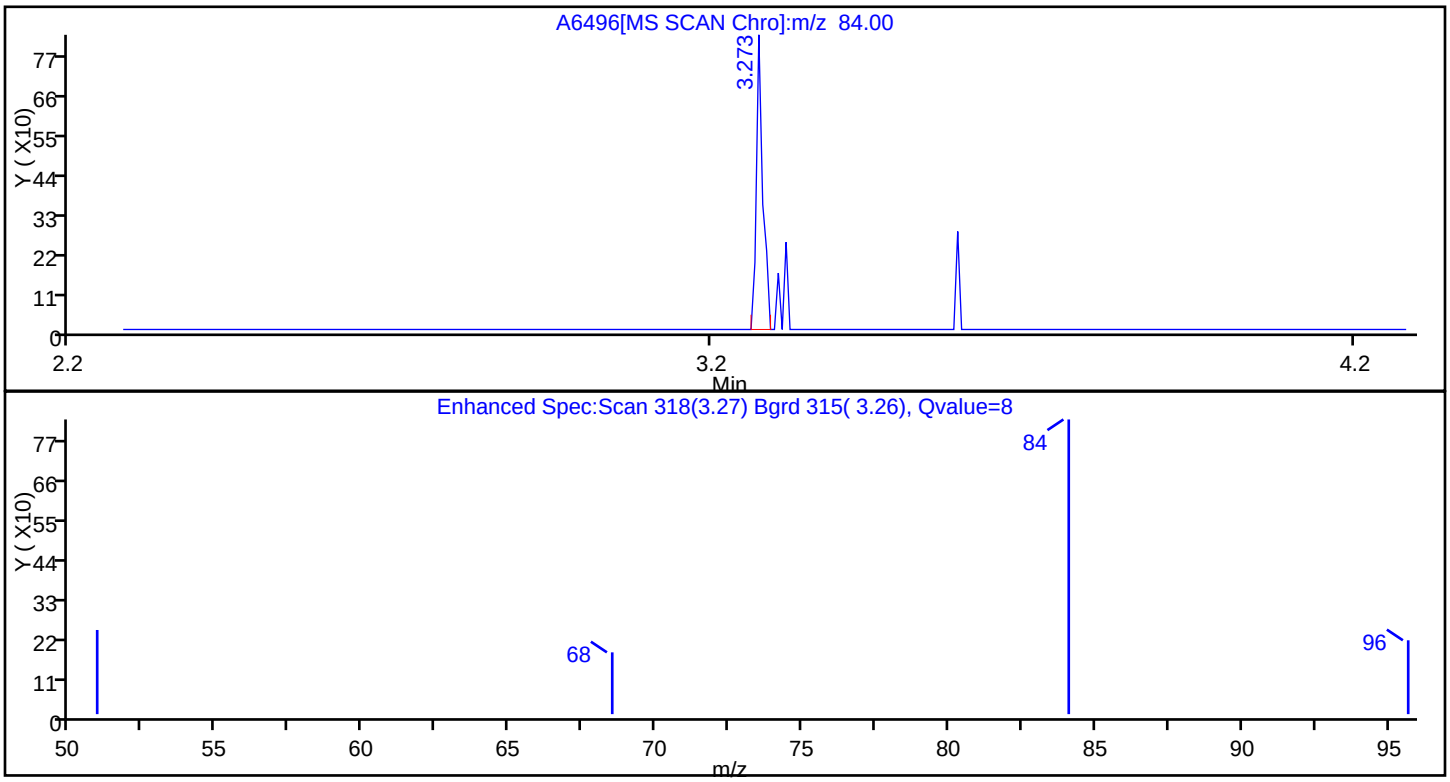
Report Date: 10-Mar-2011 06:19:25 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6496.D		
Injection Date:	09-Mar-2011 21:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Trip Blank	Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	17
Operator ID:	JLH		

26 Methylene Chloride

Processing Results



RT	Mass	Response	Amount
3.27	84.00	582	0.377888
3.28	49.00	539	
3.28	86.00	336	

Reviewer: hobartw, 10-Mar-2011 06:19:25
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: Sodium | Lab Sample ID: 510-62781-7

Matrix: Solid | Lab File ID: E8123.D

Analysis Method: 8260B | Date Collected: 03/03/2011 00:00

Sample wt/vol: 31.906(g) | Date Analyzed: 03/08/2011 23:46

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.: 77032 | 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.: 510-62781-1

SDG No.:

Client Sample ID: Sodium | Lab Sample ID: 510-62781-7

Matrix: Solid | Lab File ID: E8123.D

Analysis Method: 8260B | Date Collected: 03/03/2011 00:00

Sample wt/vol: 31.906(g) | Date Analyzed: 03/08/2011 23:46

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.: 77032 | 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)	98		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	110		76-137
2037-26-5	Toluene-d8 (Surr)	97		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D		
Lims ID:	510-62781-B-7-A	Client ID:	Sodium Biosulfate/Methanol Blank
Inject. Date:	08-Mar-2011 23:46:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-B-7-A		
Misc. Info.:	510-0004493-021 =510-0004493-021		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	21
Lims Batch ID:	77032	Lims Sample ID:	21
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	09-Mar-2011 04:16:49

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	0	1205494	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	877604	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	97	518120	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	459247	55.0	
$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	95	1127583	48.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	484536	49.1	
45 Trichloroethene	132	7.324	7.323	0.001	69	2759	0.4606	
67 Styrene	104	11.558	11.557	0.001	91	7743	0.4243	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D

Injection Date: 08-Mar-2011 23:46:30 Limit Group: VMS - 8260 VOA Calibration

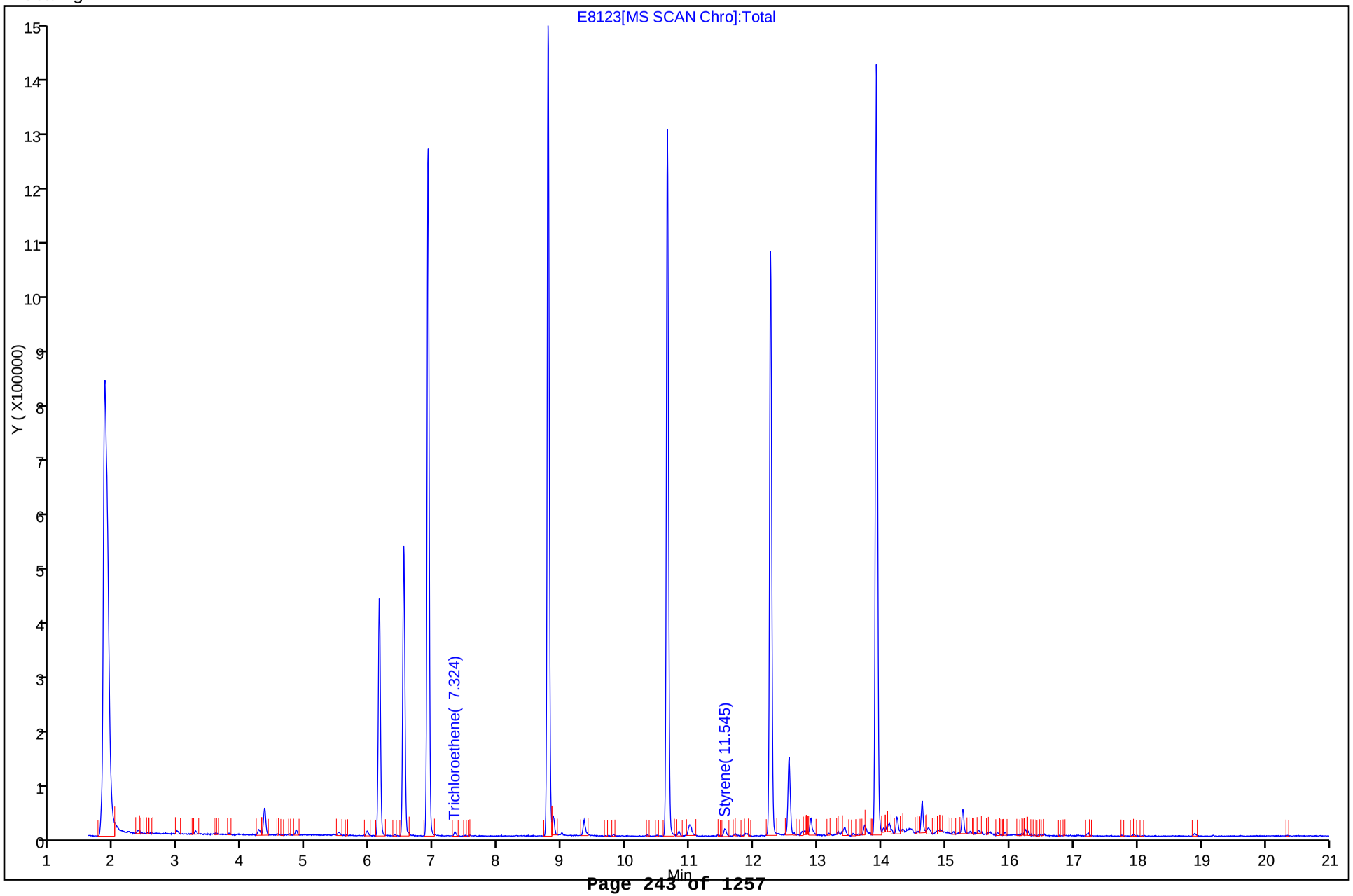
Client ID: Sodium Biosulfate/Methanol Blank

Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 21

Operator ID: WH

Y Scaling:



Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

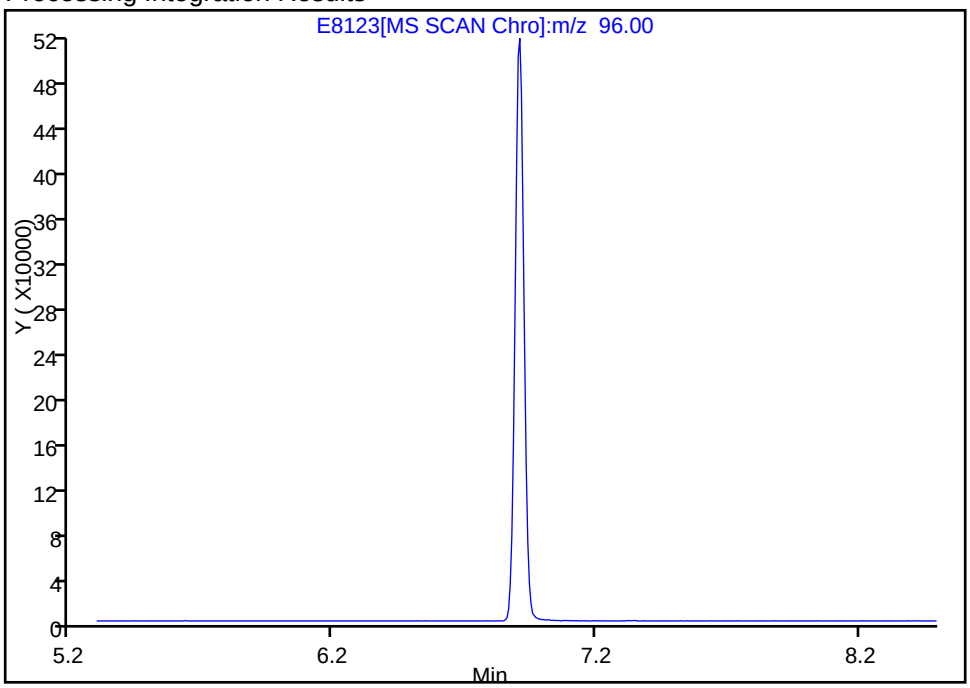
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D
Injection Date: 08-Mar-2011 23:46:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Sodium Biosulfate/Methanol Blank
Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 21
Operator ID: WH

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

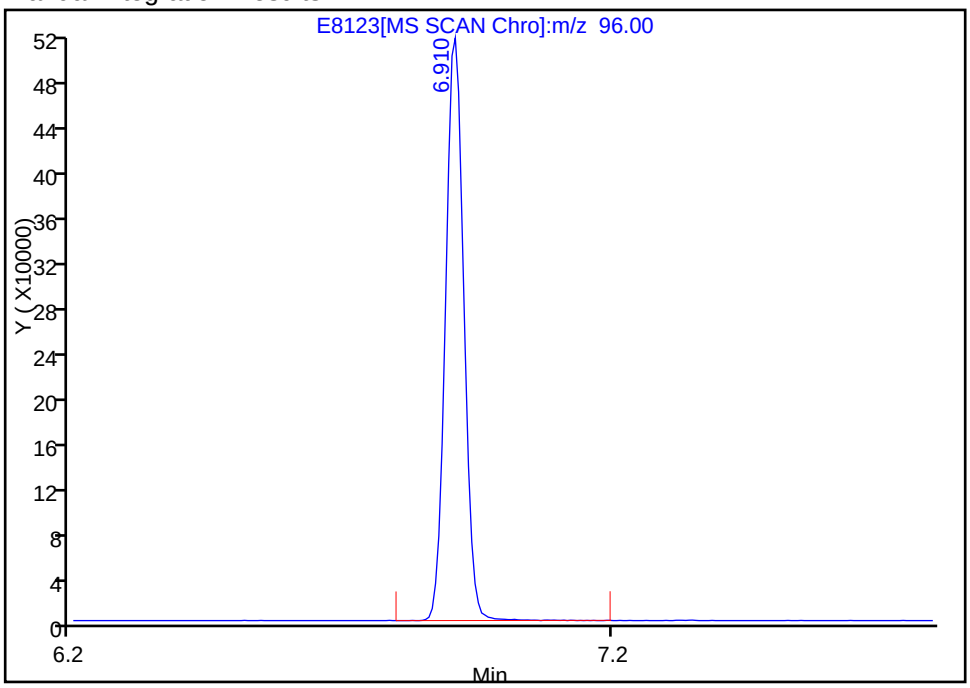
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1205494
Amount: 50.000000



Reviewer: hobartw, 09-Mar-2011 04:16:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

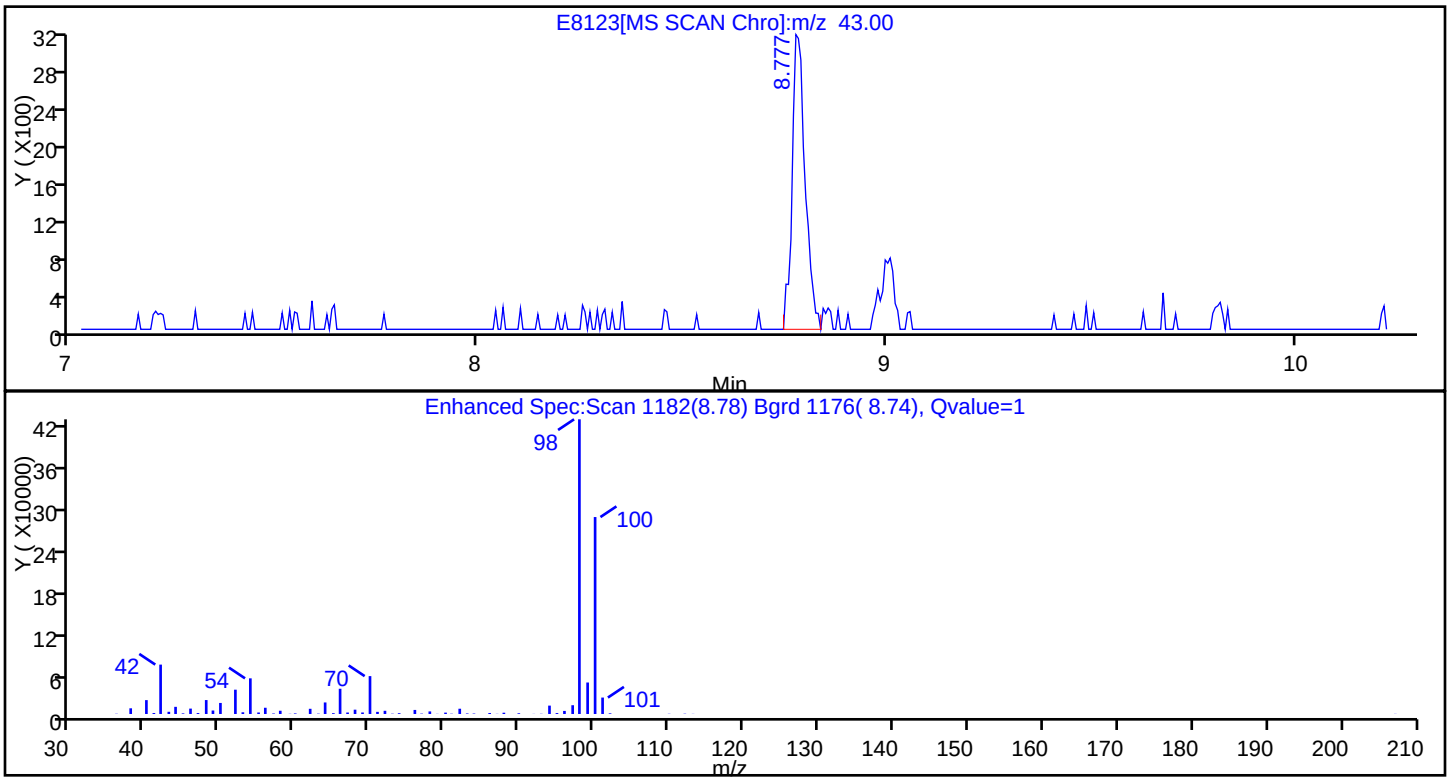
Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D		
Injection Date:	08-Mar-2011 23:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Biosulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	77032	Lims Sample ID:	21
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.78	43.00	6949	0.776479
8.79	58.00	12412	

Reviewer: hobartw, 09-Mar-2011 04:16:49
Audit Action: Marked Compound Undetected
Audit Reason:

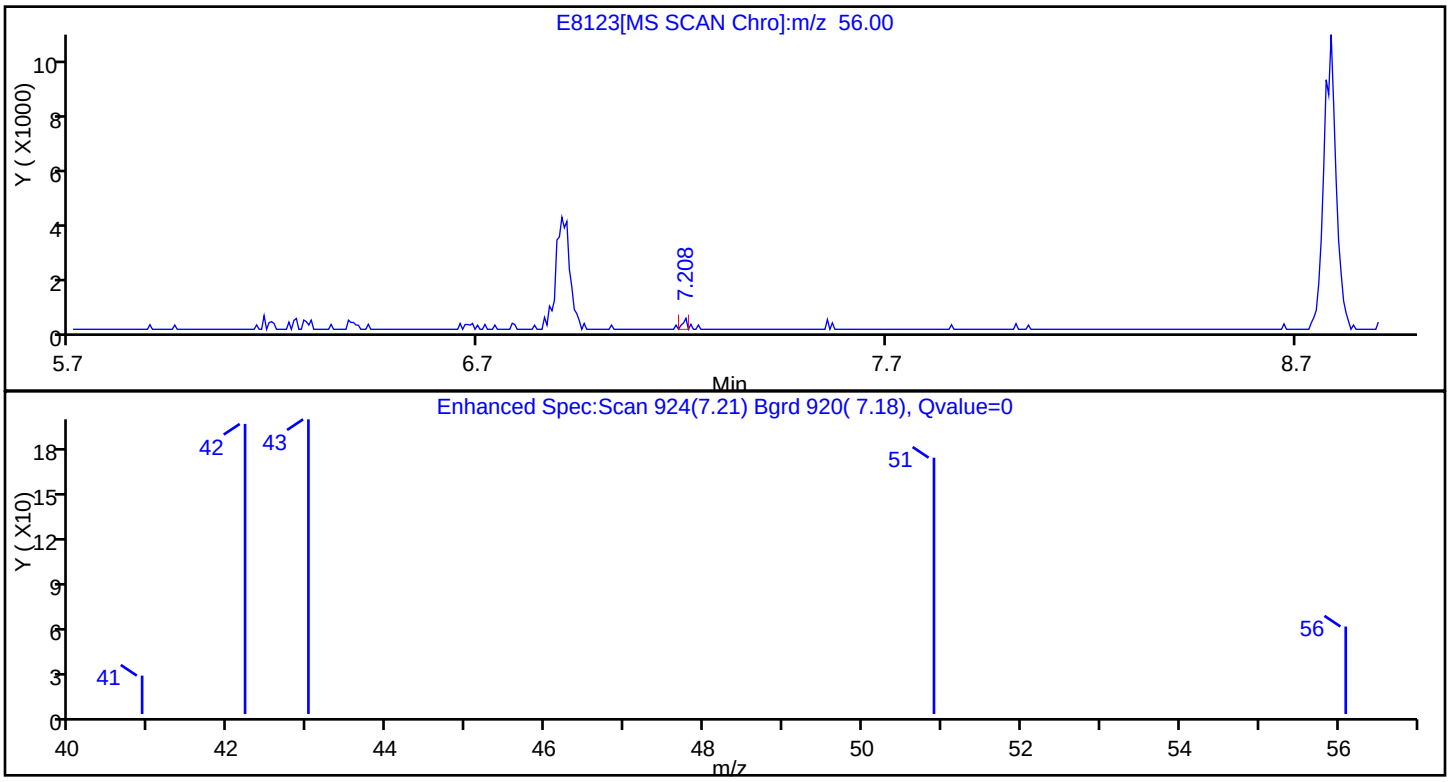
Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D		
Injection Date:	08-Mar-2011 23:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Biosulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	77032	Lims Sample ID:	21
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.21	56.00	285	0.994561
7.21	41.00	288	
7.21	43.00	184	

Reviewer: hobartw, 09-Mar-2011 04:16:49
Audit Action: Marked Compound Undetected
Audit Reason:

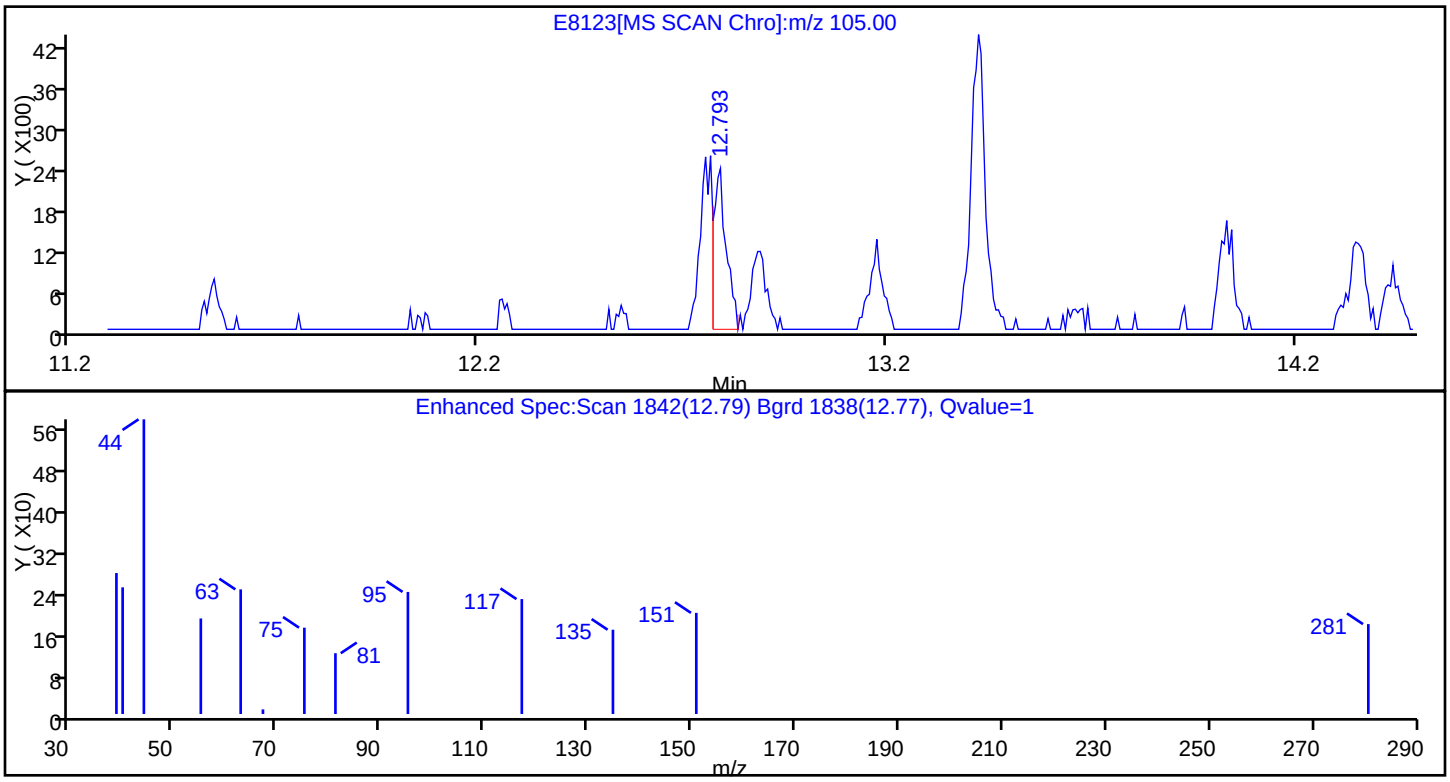
Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D		
Injection Date:	08-Mar-2011 23:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Biosulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	77032	Lims Sample ID:	21
Operator ID:	WH		

76 1,3,5-Trimethylbenzene

Processing Results



RT	Mass	Response	Amount
12.79	105.00	4986	0.212070
12.80	120.00	688	
12.79	91.00	682	

Reviewer: hobartw, 09-Mar-2011 04:16:49
Audit Action: Marked Compound Undetected
Audit Reason:

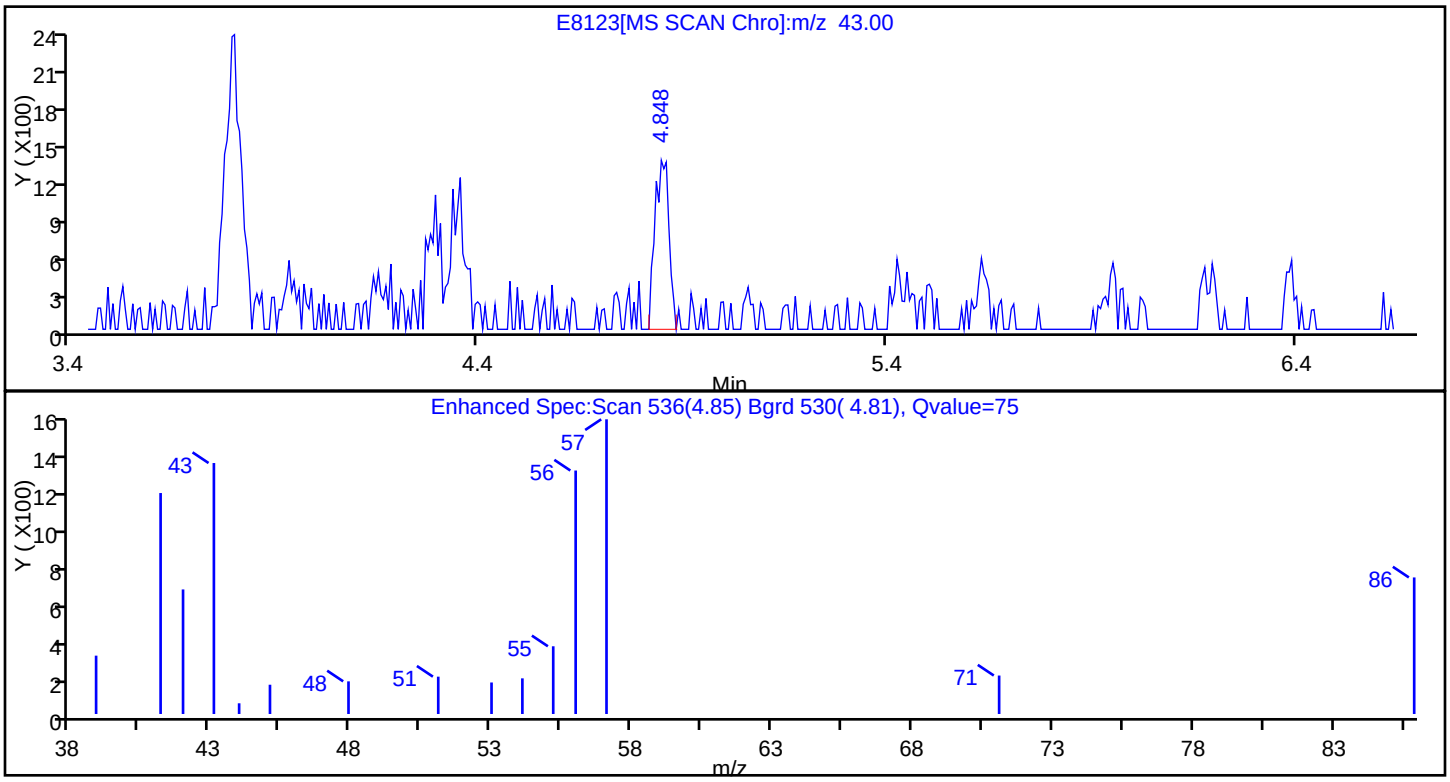
Report Date: 09-Mar-2011 04:16:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8123.D		
Injection Date:	08-Mar-2011 23:46:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	Sodium Biosulfate/Methanol Blank		
Instrument ID:	VMSA		
Lims Batch ID:	77032	Lims Sample ID:	21
Operator ID:	WH		

29 Vinyl acetate

Processing Results



RT	Mass	Response	Amount
4.85	43.00	3200	0.201835
4.85	86.00	647	

Reviewer: hobartw, 09-Mar-2011 04:16:49
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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-77032/2	E8104.D
Level 2	STD010 510-77032/3	E8105.D
Level 3	STD020 510-77032/4	E8106.D
Level 4	STD050 510-77032/5	E8107.D
Level 5	STD100 510-77032/6	E8108.D
Level 6	STD150 510-77032/7	E8109.D
Level 7	STD200 510-77032/8	E8110.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	0.3159 0.2696	0.2372 0.2881	0.3459	0.2702	0.2866	Ave		0.2877				12.0		15.0			
Chloromethane	0.3045 0.3538	0.2642 0.3525	0.3554	0.3070	0.3657	Ave		0.3290			0.1000	11.0		15.0			
Vinyl chloride	0.2672 0.3277	0.2131 0.3425	0.2935	0.2562	0.3190	Lin	-1.789	0.3444							0.9970		0.9900
Bromomethane	0.1139 0.0871	0.0889 0.0877	0.1141	0.0908	0.0961	Ave		0.0970				12.0		15.0			
Chloroethane	0.1736 0.1023	0.1629 +++++	0.2106	0.1599	0.1292	Qua	0.1108	0.1870	-0.001						0.9970		0.9950
Trichlorofluoromethane	0.4297 0.3568	0.3322 +++++	0.4604	0.3605	0.3719	Ave		0.3852				13.0		15.0			
1,2-Dichlorotrifluoroethane	0.3089 0.2687	0.2569 0.2855	0.3591	0.2728	0.2808	Ave		0.2904				12.0		15.0			
Acrolein	0.0255 0.0241	0.0272 0.0240	0.0256	0.0253	0.0238	Ave		0.0251				4.8		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1712 0.1565	0.1381 0.1675	0.1987	0.1523	0.1585	Ave		0.1633				12.0		15.0			
1,1-Dichlorethylene	0.2151 0.1615	0.1296 0.1778	0.1727	0.1596	0.1744	Ave		0.1701				15.0		15.0			
Acetone	0.0557 0.0444	0.0418 0.0390	0.0536	0.0395	0.0374	Lin	0.0854	0.0399							0.9900		0.9900
Iodomethane	0.0764 0.0582	0.0570 0.0621	0.0653	0.0537	0.0593	Ave		0.0617				12.0		15.0			
Carbon disulfide	0.6630 0.5022	0.4182 0.5404	0.5532	0.5095	0.5415	Ave		0.5326				14.0		15.0			
Methyl acetate	0.3567 0.2488	0.3173 0.2462	0.2987	0.2717	0.2441	Ave		0.2834				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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	+++++ 0.2046	0.3262 0.2164	0.3023	0.2276	0.2138	Lin2	1.3308	0.2060							0.9910		0.9900
t-Butyl alcohol	0.0668 0.0257	0.0537 0.0418	0.0479	0.0437	0.0297	Ave		0.0442				32.0	*	15.0			
Acrylonitrile	0.1481 0.1106	0.1357 0.1102	0.1269	0.1196	0.1092	Ave		0.1229				12.0		15.0			
trans-1,2-Dichloroethylene	0.2432 0.1839	0.1559 0.1986	0.2051	0.1857	0.1963	Ave		0.1955				13.0		15.0			
Methyl tert-butyl ether	0.7217 0.5545	0.6031 0.5638	0.6405	0.5919	0.5658	Ave		0.6059				9.7		15.0			
n-Hexane	0.4492 0.2722	0.2436 0.3035	0.3317	0.2811	0.3143	Lin	0.1612	0.2938							0.9930		0.9900
1,1-Dichloroethane	0.5137 0.3696	0.3504 0.3910	0.4369	0.3856	0.3992	Ave		0.4066			0.1000	13.0		15.0			
Vinyl acetate	0.7641 0.5634	0.7035 0.5556	0.7454	0.6632	0.6079	Ave		0.6576				13.0		15.0			
Isopropyl ether	1.0039 0.6994	0.7683 0.7058	0.8699	0.7857	0.7605	Ave		0.7991				13.0		15.0			
Tert-butyl ethyl ether	0.8158 0.6576	0.6349 0.5904	0.6334	0.5996	0.6723	Ave		0.6577				11.0		15.0			
cis-1,2-Dichloroethylene	0.3401 0.2575	0.2403 0.2581	0.2869	0.2588	0.2789	Ave		0.2744				12.0		15.0			
2,2-Dichloropropane	0.3960 0.3579	0.2683 0.3752	0.3646	0.3362	0.3829	Ave		0.3545				12.0		15.0			
Methyl ethyl ketone (MEK)	0.0534 0.0558	0.0527 0.0506	0.0592	0.0506	0.0505	Ave		0.0533				6.2		15.0			
Ethyl acetate	0.3888 0.4066	0.4239 0.4171	0.4328	0.4096	0.3829	Ave		0.4088				4.4		15.0			
Propionitrile	0.1529 0.1286	0.1585 0.1243	0.1450	0.1390	0.1310	Ave		0.1399				9.2		15.0			
Chlorobromomethane	0.2069 0.1516	0.1588 0.1550	0.1726	0.1605	0.1580	Ave		0.1662				11.0		15.0			
Tetrahydrofuran	0.3627 0.2699	0.3396 0.2666	0.3121	0.3030	0.2747	Ave		0.3041				12.0		15.0			
Chloroform	0.6062 0.4237	0.4261 0.4382	0.5057	0.4540	0.4598	Ave		0.4734				14.0		15.0			
1,1,1-Trichloroethane	0.4825 0.3738	0.3108 0.4025	0.4126	0.3790	0.4081	Ave		0.3956				13.0		15.0			
Cyclohexane	0.3596 0.3411	0.2282 0.3713	0.3619	0.3486	0.3838	Ave		0.3421				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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	0.3896 0.3280	0.2484 0.3508	0.3562	0.3296	0.3588	Ave		0.3374				13.0		15.0			
Carbon tetrachloride	0.4102 0.3294	0.2629 0.3519	0.3497	0.3274	0.3602	Ave		0.3417				13.0		15.0			
Benzene	1.4938 0.8912	0.9791 0.8853	1.1704	1.0350	1.0046	Lin	5.2822	0.8722							0.9960		0.9900
1,2-Dichloroethane	0.5631 0.4003	0.4433 0.4044	0.4791	0.4454	0.4246	Ave		0.4514				12.0		15.0			
Isobutanol	0.1757 0.1244	0.1373 0.1253	0.1482	0.1338	0.1297	Ave		0.1392				13.0		15.0			
Tert-amyl methyl ether	0.6544 0.6310	0.5748 0.6406	0.6699	0.6569	0.6472	Ave		0.6393				4.9		15.0			
n-Butanol	0.0088 0.0136	0.0113 0.0133	0.0113	0.0121	0.0128	Ave		0.0119				14.0		15.0			
Trichloroethene	0.3149 0.2271	0.2077 0.2383	0.2648	0.2363	0.2498	Ave		0.2484				14.0		15.0			
Methylcyclohexane	0.4363 0.4067	0.2941 0.4317	0.4510	0.4247	0.4654	Ave		0.4157				14.0		15.0			
1,2-Dichloropropane	0.3552 0.2751	0.2652 0.2889	0.3224	0.2874	0.2949	Ave		0.2984				10.0		15.0			
Dibromomethane	0.1923 0.1474	0.1549 0.1518	0.1665	0.1548	0.1525	Ave		0.1600				9.6		15.0			
Bromodichloromethane	0.3879 0.3333	0.3058 0.3462	0.3577	0.3396	0.3526	Ave		0.3461				7.2		15.0			
2-Chloroethyl vinyl ether	0.0424 0.0867	0.0560 0.0900	0.0748	0.0825	0.0836	Lin2	-0.483	0.0872							0.9970		0.9900
cis-1,3-Dichloropropene	0.3396 0.3819	0.2990 0.3988	0.3775	0.3840	0.3986	Ave		0.3685				9.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.3443 0.3879	0.3482 0.3872	0.3797	0.3828	0.3683	Ave		0.3712				4.9		15.0			
Toluene	1.6972 0.8975	1.0422 0.8995	1.1959	1.0383	1.0187	Qua	2.6057	1.0278	-0.001						0.9980		0.9950
trans-1,3-Dichloropropene	0.3088 0.3615	0.2852 0.3732	0.3429	0.3541	0.3712	Ave		0.3424				9.7		15.0			
Ethyl methacrylate	0.3500 0.4159	0.3492 0.4275	0.4215	0.4308	0.4244	Ave		0.4027				9.1		15.0			
1,1,2-Trichloroethane	0.2454 0.1900	0.2038 0.1970	0.2181	0.2059	0.1974	Ave		0.2082				8.9		15.0			
Tetrachloroethylene	0.2532 0.1944	0.1661 0.2056	0.2215	0.2024	0.2145	Ave		0.2082				13.0		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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	0.4857 0.4053	0.4185 0.4068	0.4582	0.4399	0.4239	Ave		0.4340				6.8		15.0			
Methyl Butyl Ketone (2-Hexanone)	0.2533 0.3420	0.2560 0.3233	0.3190	0.3039	0.3024	Ave		0.3000				11.0		15.0			
Chlorodibromomethane	0.2396 0.2343	0.2106 0.2464	0.2333	0.2369	0.2413	Ave		0.2346				4.9		15.0			
1,2-Dibromoethane	0.2433 0.2199	0.2167 0.2251	0.2332	0.2270	0.2257	Ave		0.2273				3.9		15.0			
Chlorobenzene	1.2301 0.8060	0.8972 0.8330	1.0353	0.9140	0.9012	Ave		0.9452			0.3000	15.0		15.0			
1,1,1,2-Tetrachloroethane	0.3972 0.3252	0.3092 0.3477	0.3660	0.3449	0.3477	Ave		0.3483				8.1		15.0			
Ethylbenzene	2.2309 1.4485	1.4967 1.4575	1.8802	1.6854	1.6656	Lin	7.7464	1.4376							0.9950		0.9900
m-Xylene & p-Xylene	2.0061 1.0565	1.2756 1.0300	1.5015	1.3051	1.2478	Lin	18.737	1.0126							0.9910		0.9900
o-Xylene	1.5702 1.2312	1.2107 1.2557	1.4941	1.3782	1.3977	Ave		1.3625				10.0		15.0			
Styrene	1.1044 0.9710	0.9195 0.9976	1.1320	1.0699	1.0825	Ave		1.0396				7.5		15.0			
Bromoform	0.2250 0.2474	0.2062 0.2619	0.2270	0.2364	0.2463	Ave		0.2357			0.1000	7.7		15.0			
Isopropylbenzene	1.3788 1.3300	1.0198 1.3527	1.5521	1.4829	1.5289	Ave		1.3779				13.0		15.0			
1,1,2,2-Tetrachloroethane	0.9579 0.7453	0.8618 0.7191	0.8565	0.8259	0.7746	Ave		0.8202			0.3000	10.0		15.0			
Bromobenzene	0.8265 0.6609	0.6656 0.6699	0.7739	0.7348	0.7374	Ave		0.7241				8.7		15.0			
1,2,3-Trichloropropane	0.9746 1.0006	1.0057 0.9400	1.0516	1.0367	1.0154	Ave		1.0035				3.7		15.0			
trans-1,4-Dichloro-2-butene	0.2965 0.3142	0.2910 0.3242	0.3114	0.3076	0.3144	Ave		0.3085				3.7		15.0			
n-Propylbenzene	3.7663 2.6809	2.7538 2.6146	3.6005	3.2891	3.2297	Ave		3.1336				15.0		15.0			
2-Chlorotoluene	2.3231 1.7993	1.7790 1.8163	2.1963	2.0571	2.0894	Ave		2.0086				11.0		15.0			
1,3,5-Trimethylbenzene	2.6695 2.0239	1.9186 2.0298	2.4949	2.3602	2.3853	Ave		2.2689				12.0		15.0			
4-Chlorotoluene	2.8638 2.0887	2.1451 2.1058	2.6240	2.4165	2.4127	Ave		2.3795				12.0		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	1.7658 1.7438	1.3546 1.7835	1.9959	1.9710	2.0468	Ave		1.8088				13.0		15.0			
1,2,4-Trimethylbenzene	3.5252 2.1028	2.3304 2.0862	2.6990	2.4430	2.4516	Lin	13.007	2.0632							0.9940		0.9900
sec-Butylbenzene	2.8610 2.3966	2.1418 2.3634	3.0251	2.8379	2.8564	Ave		2.6403				13.0		15.0			
1,3-Dichlorobenzene	1.5707 1.1892	1.2394 1.2010	1.4594	1.3355	1.3504	Ave		1.3351				11.0		15.0			
4-Isopropyltoluene	2.3843 2.0875	1.8456 2.0718	2.5570	2.3763	2.4478	Ave		2.2529				11.0		15.0			
1,4-Dichlorobenzene	1.7927 1.2221	1.3539 1.2233	1.5328	1.3797	1.3784	Ave		1.4118				14.0		15.0			
1,2,3-Trimethylbenzene	2.9420 2.1822	2.2852 2.1339	2.6970	2.5306	2.5139	Ave		2.4692				12.0		15.0			
n-Butylbenzene	2.2651 1.9091	1.7182 1.8998	2.3245	2.1641	2.2291	Ave		2.0728				11.0		15.0			
1,2-Dichlorobenzene	1.6270 1.1289	1.2841 1.1196	1.4375	1.2970	1.2729	Ave		1.3096				14.0		15.0			
1,2-Dibromo-3-Chloropropane	0.1583 0.1560	0.1438 0.1597	0.1503	0.1585	0.1597	Ave		0.1552				3.9		15.0			
1,2,4-Trichlorobenzene	0.7463 0.7644	0.6172 0.7834	0.7894	0.8138	0.8415	Ave		0.7652				9.4		15.0			
Hexachlorobutadiene	0.6158 0.4961	0.4898 0.5390	0.6049	0.5269	0.5793	Ave		0.5503				9.2		15.0			
Naphthalene	1.7920 1.6758	1.8068 1.6304	2.0275	1.9734	1.8265	Ave		1.8189				7.9		15.0			
1,2,3-Trichlorobenzene	0.8732 0.7474	0.7652 0.7603	0.8581	0.8392	0.8235	Ave		0.8095				6.3		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3607 0.3431	0.3499 0.3382	0.3492	0.3450	0.3380	Ave		0.3463				2.3		15.0			
Toluene-d8 (Surr)	0.9509 0.9736	0.9465 0.9639	0.9633	0.9570	0.9646	Ave		0.9600				1.0		15.0			
4-Bromofluorobenzene (Surr)	0.9073 0.9553	0.9311 0.9643	0.9507	0.9846	0.9776	Ave		0.9530				2.8		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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 510-77032/2	E8104.D
Level 2	STD010 510-77032/3	E8105.D
Level 3	STD020 510-77032/4	E8106.D
Level 4	STD050 510-77032/5	E8107.D
Level 5	STD100 510-77032/6	E8108.D
Level 6	STD150 510-77032/7	E8109.D
Level 7	STD200 510-77032/8	E8110.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	40416 1082170	65050 1574001	182277	357918	762675	5.00 150	10.0 200	20.0	50.0	100
Chloromethane	FB	Ave	38956 1419971	72449 1926344	187280	406537	973307	5.00 150	10.0 200	20.0	50.0	100
Vinyl chloride	FB	Lin	34175 1315221	58440 1871679	154667	339369	848861	5.00 150	10.0 200	20.0	50.0	100
Bromomethane	FB	Ave	14576 349435	24386 479439	60155	120193	255845	5.00 150	10.0 200	20.0	50.0	100
Chloroethane	FB	Qua	22209 410678	44679 +++++	110972	211721	343862	5.00 150	10.0 +++++	20.0	50.0	100
Trichlorofluoromethane	FB	Ave	54966 1431931	91110 +++++	242610	477419	989826	5.00 150	10.0 +++++	20.0	50.0	100
1,2-Dichlorotrifluoroethane	FB	Ave	39515 1078577	70442 1560116	189220	361279	747266	5.00 150	10.0 200	20.0	50.0	100
Acrolein	FB	Ave	3280 97054	7480 131893	13533	33689	63584	5.02 151	10.0 201	20.1	50.2	100
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	21906 628071	37865 915413	104714	201680	421942	5.00 150	10.0 200	20.0	50.0	100
1,1-Dichlorethylene	FB	Ave	27510 648351	35537 971471	91001	211374	464123	5.00 150	10.0 200	20.0	50.0	100
Acetone	FB	Lin	7123 178131	11458 213166	28229	52289	99569	5.00 150	10.0 200	20.0	50.0	100
Iodomethane	FB	Ave	9778 233601	15631 339488	34389	71118	157721	5.00 150	10.0 200	20.0	50.0	100
Carbon disulfide	FB	Ave	84813 2015683	114682 2952613	291536	674768	1441044	5.00 150	10.0 200	20.0	50.0	100
Methyl acetate	FB	Ave	45633 998596	87029 1345444	157391	359899	649625	5.00 150	10.0 200	20.0	50.0	100
Methylene Chloride	FB	Lin2	+++++ 821229	89450 1182219	159308	301443	568878	+++++ 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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	Ave	34184 412194	58934 913206	101028	231609	315765	20.0 600	40.0 800	80.0	200	400
Acrylonitrile	FB	Ave	18943 444033	37202 602214	66864	158451	290732	5.00 150	10.0 200	20.0	50.0	100
trans-1,2-Dichloroethylene	FB	Ave	31108 738188	42747 1085429	108088	245944	522339	5.00 150	10.0 200	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	92326 2225619	165401 3080693	337534	783886	1505780	5.00 150	10.0 200	20.0	50.0	100
n-Hexane	FB	Lin	57456 1092388	66796 1658183	174804	372276	836493	5.00 150	10.0 200	20.0	50.0	100
1,1-Dichloroethane	FB	Ave	65712 1483251	96094 2136352	230232	510688	1062478	5.00 150	10.0 200	20.0	50.0	100
Vinyl acetate	FB	Ave	195485 4522430	385878 6071304	785631	1756822	3235741	10.0 300	20.0 400	40.0	100	200
Isopropyl ether	FB	Ave	128424 2807115	210691 3856360	458452	1040621	2023925	5.00 150	10.0 200	20.0	50.0	100
Tert-butyl ethyl ether	FB	Ave	104361 2639095	174116 3226209	333810	794145	1789168	5.00 150	10.0 200	20.0	50.0	100
cis-1,2-Dichloroethylene	FB	Ave	43507 1033479	65893 1410257	151216	342802	742167	5.00 150	10.0 200	20.0	50.0	100
2,2-Dichloropropane	FB	Ave	50657 1436528	73591 2050367	192117	445331	1019011	5.00 150	10.0 200	20.0	50.0	100
Methyl ethyl ketone (MEK)	FB	Ave	6832 224143	14462 276480	31215	66972	134304	5.00 150	10.0 200	20.0	50.0	100
Ethyl acetate	FB	Ave	49737 1631826	116256 2279182	228058	542472	1019119	5.00 150	10.0 200	20.0	50.0	100
Propionitrile	DCB	Ave	8640 233463	17940 307833	31736	77188	150661	5.00 150	10.0 200	20.0	50.0	100
Chlorobromomethane	FB	Ave	26461 608401	43555 846893	90963	212595	420533	5.00 150	10.0 200	20.0	50.0	100
Tetrahydrofuran	DCB	Ave	20494 489937	38439 659986	68298	168198	315836	5.00 150	10.0 200	20.0	50.0	100
Chloroform	FB	Ave	77551 1700701	116856 2394172	266520	601329	1223790	5.00 150	10.0 200	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	61717 1500318	85241 2199233	217432	501967	1086097	5.00 150	10.0 200	20.0	50.0	100
Cyclohexane	FB	Ave	46001 1369055	62588 2028596	190720	461624	1021473	5.00 150	10.0 200	20.0	50.0	100
1,1-Dichloropropene	FB	Ave	49844 1316407	68120 1916750	187741	436523	954983	5.00 150	10.0 200	20.0	50.0	100
Carbon tetrachloride	FB	Ave	52477 1322128	72098 1922915	184263	433601	958595	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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	Lin	191087 3576796	268516 4837430	616799	1370767	2673589	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloroethane	FB	Ave	72035 1606456	121559 2209597	252468	589944	1129935	5.00 150	10.0 200	20.0	50.0	100
Isobutanol	FB	Ave	22477 499090	37654 684758	78078	177195	345249	5.00 150	10.0 200	20.0	50.0	100
Tert-amyl methyl ether	FB	Ave	83715 2532539	157623 3500289	353052	869955	1722385	5.00 150	10.0 200	20.0	50.0	100
n-Butanol	FB	Ave	12359 598531	34103 800849	65531	176949	374086	55.0 1650	110 2200	220	550	1100
Trichloroethene	FB	Ave	40282 911293	56970 1302312	139553	312943	664909	5.00 150	10.0 200	20.0	50.0	100
Methylcyclohexane	FB	Ave	55818 1632120	80651 2358894	237681	562426	1238664	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloropropane	FB	Ave	45440 1104132	72727 1578583	169889	380595	784824	5.00 150	10.0 200	20.0	50.0	100
Dibromomethane	FB	Ave	24598 591481	42471 829583	87751	204956	405906	5.00 150	10.0 200	20.0	50.0	100
Bromodichloromethane	FB	Ave	49616 1337571	83850 1891643	188497	449800	938507	5.00 150	10.0 200	20.0	50.0	100
2-Chloroethyl vinyl ether	FB	Lin2	10859 695673	30717 983682	78832	218495	444777	10.0 300	20.0 400	40.0	100	200
cis-1,3-Dichloropropene	FB	Ave	43440 1532768	82010 2179223	198931	508547	1060850	5.00 150	10.0 200	20.0	50.0	100
4-Methyl-2-pentanone (MIBK)	FB	Ave	44039 1556647	95502 2115480	200101	506939	980269	5.00 150	10.0 200	20.0	50.0	100
Toluene	FB	Qua	217107 3602093	285799 4915092	630204	1375194	2711099	5.00 150	10.0 200	20.0	50.0	100
trans-1,3-Dichloropropene	FB	Ave	39505 1451024	78210 2039363	180732	468960	987825	5.00 150	10.0 200	20.0	50.0	100
Ethyl methacrylate	FB	Ave	44767 1669022	95771 2336147	222121	570532	1129402	5.00 150	10.0 200	20.0	50.0	100
1,1,2-Trichloroethane	FB	Ave	31391 762545	55891 1076667	114953	272685	525457	5.00 150	10.0 200	20.0	50.0	100
Tetrachloroethylene	FB	Ave	32390 780308	45545 1123174	116730	268092	570774	5.00 150	10.0 200	20.0	50.0	100
1,3-Dichloropropane	FB	Ave	62125 1626695	114756 2222705	241494	582611	1128226	5.00 150	10.0 200	20.0	50.0	100
Methyl Butyl Ketone (2-Hexanone)	FB	Ave	32407 1372660	70203 1766787	168088	402485	804723	5.00 150	10.0 200	20.0	50.0	100
Chlorodibromomethane	FB	Ave	30652 940518	57747 1346394	122960	313799	642247	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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	31123 882669	59418 1230221	122883	300628	600735	5.00 150	10.0 200	20.0	50.0	100
Chlorobenzene	CBZ	Ave	109713 2355679	169192 3265210	378534	857557	1724033	5.00 150	10.0 200	20.0	50.0	100
1,1,1,2-Tetrachloroethane	CBZ	Ave	35426 950541	58307 1362884	133825	323565	665287	5.00 150	10.0 200	20.0	50.0	100
Ethylbenzene	CBZ	Lin	198972 4233571	282246 5712822	687487	1581313	3186583	5.00 150	10.0 200	20.0	50.0	100
m-Xylene & p-Xylene	CBZ	Lin	357844 6175976	481087 8074307	1098030	2449106	4774566	10.0 300	20.0 400	40.0	100	200
o-Xylene	CBZ	Ave	140047 3598467	228310 4922086	546293	1293078	2673993	5.00 150	10.0 200	20.0	50.0	100
Styrene	CBZ	Ave	98504 2837937	173402 3910349	413926	1003852	2071058	5.00 150	10.0 200	20.0	50.0	100
Bromoform	CBZ	Ave	20065 723219	38878 1026611	82992	221837	471130	5.00 150	10.0 200	20.0	50.0	100
Isopropylbenzene	CBZ	Ave	122971 3887385	192313 5302165	567511	1391338	2924929	5.00 150	10.0 200	20.0	50.0	100
1,1,2,2-Tetrachloroethane	DCB	Ave	54122 1353002	97560 1780546	187452	458531	890507	5.00 150	10.0 200	20.0	50.0	100
Bromobenzene	DCB	Ave	46694 1199777	75345 1658682	169378	407937	847781	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trichloropropane	DCB	Ave	55063 1816450	113853 2327459	230161	575522	1167332	5.00 150	10.0 200	20.0	50.0	100
trans-1,4-Dichloro-2-butene	DCB	Ave	16751 570376	32944 802620	68154	170778	361399	5.00 150	10.0 200	20.0	50.0	100
n-Propylbenzene	DCB	Ave	212785 4867007	311744 6473651	788007	1825992	3713017	5.00 150	10.0 200	20.0	50.0	100
2-Chlorotoluene	DCB	Ave	131248 3266419	201386 4497230	480680	1142027	2402111	5.00 150	10.0 200	20.0	50.0	100
1,3,5-Trimethylbenzene	DCB	Ave	150822 3674211	217191 5025815	546034	1310305	2742208	5.00 150	10.0 200	20.0	50.0	100
4-Chlorotoluene	DCB	Ave	161798 3791907	242831 5213913	574299	1341547	2773716	5.00 150	10.0 200	20.0	50.0	100
tert-Butylbenzene	DCB	Ave	99764 3165765	153342 4415834	436827	1094203	2353089	5.00 150	10.0 200	20.0	50.0	100
1,2,4-Trimethylbenzene	DCB	Lin	199164 3817381	263813 5165372	590712	1356269	2818508	5.00 150	10.0 200	20.0	50.0	100
sec-Butylbenzene	DCB	Ave	161640 4350914	242456 5851668	662082	1575505	3283821	5.00 150	10.0 200	20.0	50.0	100
1,3-Dichlorobenzene	DCB	Ave	88740 2158830	140303 2973702	319405	741392	1552509	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.: 510-62781-1 Analy Batch No.: 77032

SDG No.:

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

Calibration Start Date: 03/08/2011 12:53 Calibration End Date: 03/08/2011 16:19 Calibration ID: 3793

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	Ave	134705 3789707	208931 5129651	559639	1319199	2814112	5.00 150	10.0 200	20.0	50.0	100
1,4-Dichlorobenzene	DCB	Ave	101284 2218551	153267 3028933	335477	765944	1584663	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trimethylbenzene	DCB	Ave	166216 3961552	258690 5283578	590261	1404905	2890113	5.00 150	10.0 200	20.0	50.0	100
n-Butylbenzene	DCB	Ave	127971 3465803	194509 4703994	508740	1201416	2562700	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichlorobenzene	DCB	Ave	91921 2049509	145362 2772126	314624	720027	1463421	5.00 150	10.0 200	20.0	50.0	100
1,2-Dibromo-3-Chloropropane	DCB	Ave	8944 283276	16278 395494	32900	87994	183552	5.00 150	10.0 200	20.0	50.0	100
1,2,4-Trichlorobenzene	DCB	Ave	42164 1387791	69870 1939568	172780	451787	967470	5.00 150	10.0 200	20.0	50.0	100
Hexachlorobutadiene	DCB	Ave	34793 900722	55450 1334654	132387	292528	666041	5.00 150	10.0 200	20.0	50.0	100
Naphthalene	DCB	Ave	101242 3042349	204536 4036926	443752	1095537	2099802	5.00 150	10.0 200	20.0	50.0	100
1,2,3-Trichlorobenzene	DCB	Ave	49334 1356817	86619 1882431	187804	465909	946688	5.00 150	10.0 200	20.0	50.0	100
1,2-Dichloroethane-d4 (Surr)	FB	Ave	461430 459008	479746 461918	460020	456921	449703	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	FB	Ave	1216389 1302560	1297831 1316690	1269186	1267499	1283546	50.0 50.0	50.0 50.0	50.0	50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	512604 578098	527029 596914	520179	546586	561929	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D		
Lims ID:	std005	Client ID:	
Inject. Date:	08-Mar-2011 12:53:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD005		
Misc. Info.:	510-0004493-002 =510-0004493-002		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	77032	Lims Sample ID:	2
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 16:37:38	Calib Date:	08-Mar-2011 15:44:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 13:22:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.911	6.897	0.014	1	1279210	50.0	M
* 2 Chlorobenzene-d5	117	10.653	10.651	0.002	90	891891	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.925	-0.006	97	564978	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.528	6.520	0.008	0	461430	51.9	
$ 6 Toluene-d8 (Surr)	98	8.785	8.783	0.002	95	1216389	49.6	
$ 7 4-Bromofluorobenzene (Surr)	95	12.259	12.263	-0.004	83	512604	47.7	
8 Dichlorodifluoromethane	85	2.057	2.037	0.020	100	40416	5.49	
9 Chloromethane	50	2.263	2.244	0.019	87	38956	4.68	
10 Vinyl chloride	62	2.397	2.390	0.007	77	34175	4.78	
11 Bromomethane	94	2.781	2.730	0.051	90	14576	5.78	
12 Chloroethane	64	2.896	2.902	-0.006	99	22209	4.10	
13 Trichlorofluoromethane	101	3.188	3.120	0.068	77	54966	5.58	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.511	3.473	0.039	96	39515	5.30	
15 Acrolein	56	3.632	3.619	0.014	75	3280	5.08	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.754	3.716	0.038	57	21906	5.27	
16 1,1-Dichloroethene	96	3.754	3.716	0.038	88	27510	6.18	
18 Acetone	58	3.803	3.801	0.002	98	7123	0.5344	
19 Iodomethane	142	3.918	3.886	0.032	97	9778	6.20	
20 Carbon disulfide	76	3.991	3.959	0.032	99	84813	6.24	
21 Methyl acetate	43	4.149	4.142	0.007	99	45633	6.16	
22 Methylene Chloride	84	4.265	4.245	0.020	98	98696	10.9	
24 Acrylonitrile	53	4.514	4.507	0.007	95	18943	5.92	
25 trans-1,2-Dichloroethene	96	4.557	4.537	0.020	65	31108	6.24	
26 Methyl tert-butyl ether	73	4.557	4.549	0.008	95	92326	5.89	
23 2-Methyl-2-propanol	59	4.381	4.562	-0.181	96	34184	33.1	
27 Hexane	57	4.849	4.829	0.020	93	57456	5.50	
28 1,1-Dichloroethane	63	5.007	4.987	0.020	97	65712	6.28	
29 Vinyl acetate	43	5.056	5.042	0.014	99	195485	11.3	
30 Isopropyl ether	45	5.068	5.067	0.001	75	128424	6.16	
31 Tert-butyl ethyl ether	59	5.463	5.456	0.007	95	104361	6.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
33 2,2-Dichloropropane	77	5.634	5.620	0.014	67	50657	5.64	
32 cis-1,2-Dichloroethene	96	5.628	5.620	0.008	83	43507	6.14	
34 2-Butanone (MEK)	72	5.646	5.638	0.008	80	6832	4.97	
105 Ethyl acetate	43	5.701	5.693	0.008	0	49737	4.77	
93 Propionitrile	54	5.707	5.705	0.002	0	8640	5.37	
35 Chlorobromomethane	130	5.895	5.882	0.013	94	26461	6.15	
95 Tetrahydrofuran	42	5.962	5.948	0.014	0	20494	5.84	
36 Chloroform	83	5.974	5.961	0.013	82	77551	6.32	
37 1,1,1-Trichloroethane	97	6.187	6.174	0.013	96	61717	6.12	
38 Cyclohexane	84	6.260	6.247	0.013	96	46001	5.23	
39 1,1-Dichloropropene	75	6.370	6.356	0.014	90	49844	5.81	
40 Carbon tetrachloride	117	6.376	6.368	0.008	87	52477	6.03	
41 Benzene	78	6.607	6.593	0.014	74	191087	3.37	
42 1,2-Dichloroethane	62	6.613	6.605	0.008	26	72035	6.13	
43 Isobutyl alcohol	41	6.717	6.709	0.008	47	22477	6.21	
44 Tert-amyl methyl ether	73	6.717	6.709	0.008	87	83715	5.12	
102 n-Butanol	56	7.215	7.256	-0.041	0	12359	41.5	
45 Trichloroethene	132	7.331	7.323	0.008	89	40282	6.30	
46 Methylcyclohexane	83	7.568	7.555	0.014	91	55818	5.28	
47 1,2-Dichloropropane	63	7.593	7.586	0.007	87	45440	5.92	
48 Dibromomethane	93	7.733	7.725	0.007	91	24598	5.96	
49 Dichlorobromomethane	83	7.903	7.901	0.002	98	49616	5.60	
50 2-Chloroethyl vinyl ether	63	8.262	8.254	0.008	88	10859	10.4	
54 cis-1,3-Dichloropropene	75	8.444	8.443	0.001	90	43440	4.67	
52 4-Methyl-2-pentanone (MIBK)	43	8.627	8.625	0.002	95	44039	4.67	
53 Toluene	91	8.864	8.869	-0.005	91	217107	6.78	
51 trans-1,3-Dichloropropene	75	9.126	9.124	0.002	97	39505	4.58	
55 Ethyl methacrylate	69	9.235	9.234	0.001	87	44767	4.39	
56 1,1,2-Trichloroethane	83	9.363	9.361	0.002	93	31391	5.84	
57 Tetrachloroethene	164	9.570	9.568	0.002	87	32390	6.07	
58 1,3-Dichloropropane	76	9.582	9.580	0.002	98	62125	5.54	
59 2-Hexanone	43	9.679	9.684	-0.005	98	32407	4.28	
60 Chlorodibromomethane	129	9.880	9.878	0.002	90	30652	5.15	
61 Ethylene Dibromide	107	10.038	10.037	0.001	99	31123	5.34	
62 Chlorobenzene	112	10.689	10.687	0.002	0	109713	3.26	M
63 1,1,1,2-Tetrachloroethane	131	10.792	10.791	0.001	83	35426	5.70	
64 Ethylbenzene	91	10.835	10.833	0.002	98	198972	3.12	
65 m-Xylene & p-Xylene	91	10.993	10.992	0.001	0	357844	13.4	
66 o-Xylene	91	11.541	11.539	0.002	91	140047	5.69	
67 Styrene	104	11.553	11.557	-0.004	85	98504	5.28	
68 Bromoform	173	11.808	11.807	0.001	88	20065	4.86	
69 Isopropylbenzene	105	12.052	12.050	0.002	99	122971	4.99	
71 1,1,2,2-Tetrachloroethane	83	12.459	12.458	0.001	98	54122	5.72	
70 Bromobenzene	156	12.478	12.476	0.002	95	46694	5.64	
72 1,2,3-Trichloropropane	75	12.520	12.525	-0.005	51	55063	4.81	
73 trans-1,4-Dichloro-2-butene	53	12.538	12.543	-0.005	52	16751	4.85	
74 N-Propylbenzene	91	12.630	12.634	-0.004	98	212785	5.85	
75 2-Chlorotoluene	91	12.757	12.756	0.001	97	131248	5.69	
76 1,3,5-Trimethylbenzene	105	12.885	12.884	0.001	33	150822	5.78	M
77 4-Chlorotoluene	91	12.903	12.908	-0.005	91	161798	5.90	
78 tert-Butylbenzene	119	13.354	13.352	0.002	93	99764	4.87	
80 1,2,4-Trimethylbenzene	105	13.421	13.425	-0.004	62	199164	3.39	

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	161640	5.32	
82 1,3-Dichlorobenzene	146	13.828	13.827	0.001	94	88740	5.79	
79 4-Isopropyltoluene	119	13.883	13.881	0.002	97	134705	5.22	
83 1,4-Dichlorobenzene	146	13.956	13.954	0.002	89	101284	6.21	M
99 1,2,3-Trimethylbenzene	105	14.035	14.033	0.002	0	166216	5.83	
84 n-Butylbenzene	91	14.479	14.477	0.002	97	127971	5.39	
85 1,2-Dichlorobenzene	146	14.491	14.496	-0.005	92	91921	6.07	
86 1,2-Dibromo-3-Chloropropane	157	15.635	15.633	0.002	55	8944	5.13	
87 1,2,4-Trichlorobenzene	180	16.864	16.868	-0.004	92	42164	4.90	
88 Hexachlorobutadiene	225	17.119	17.130	-0.011	93	34793	5.58	
89 Naphthalene	128	17.229	17.227	0.002	100	101242	4.84	
90 1,2,3-Trichlorobenzene	180	17.588	17.592	-0.004	95	49334	5.34	
S 91 Xylenes, Total	100				0		19.1	
S 92 Total 1,2-dichloroethene	100				0		12.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 16:37:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D

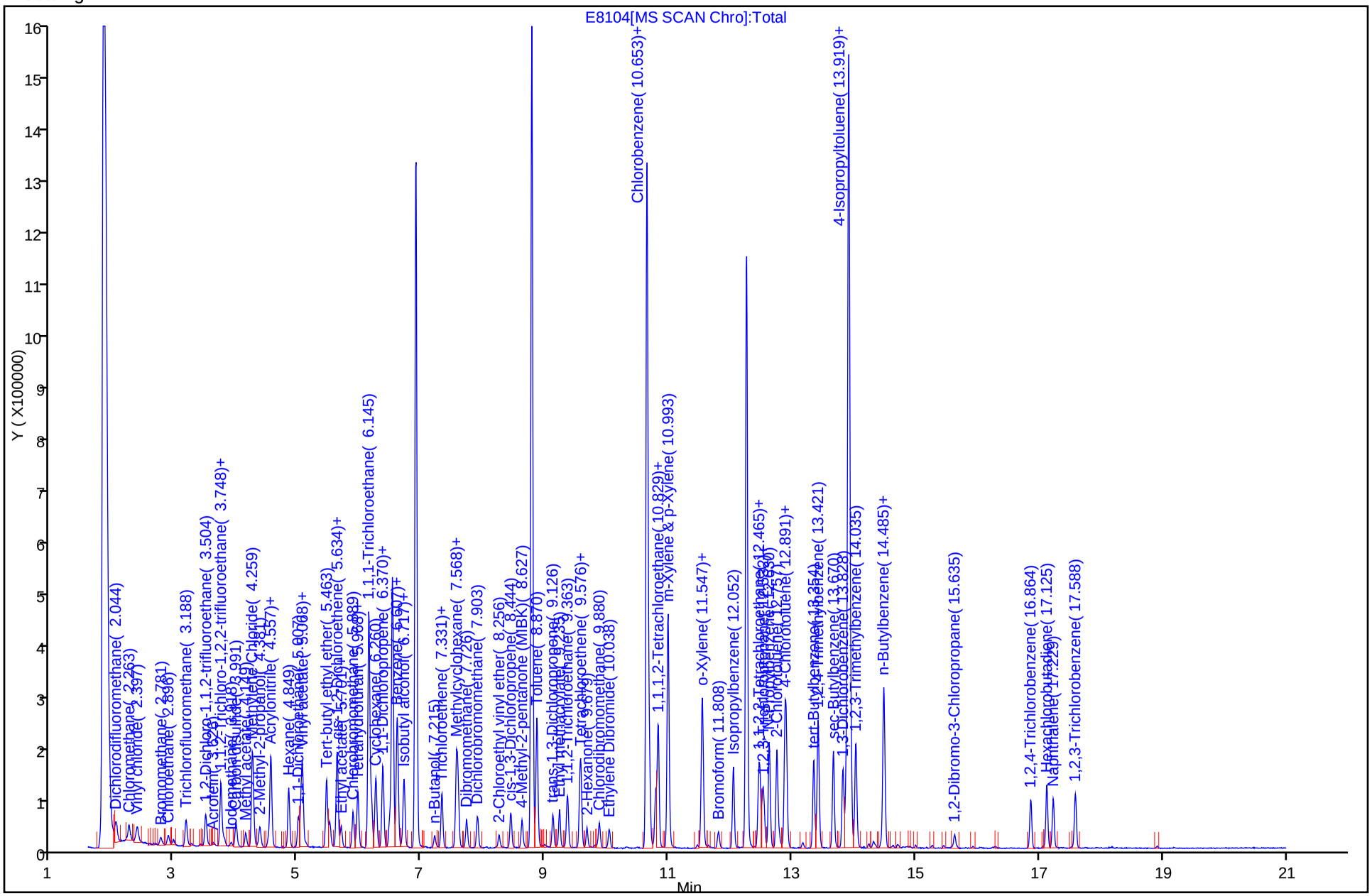
Injection Date: 08-Mar-2011 12:53:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 2

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 16:37:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D

Injection Date: 08-Mar-2011 12:53:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

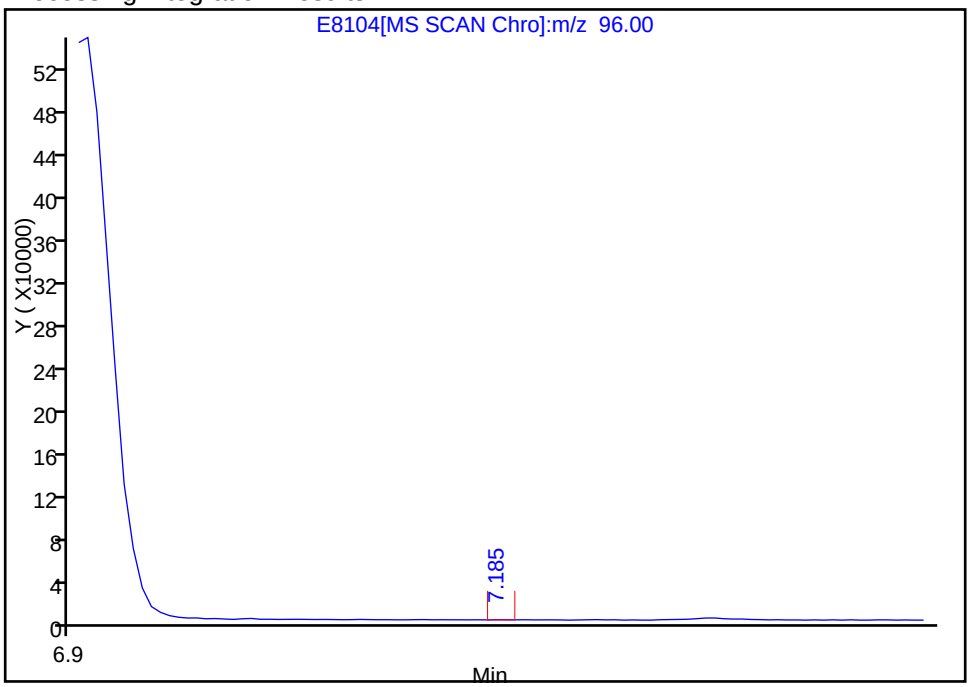
Lims Batch ID: 77032 Lims Sample ID: 2

Operator ID: WH

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

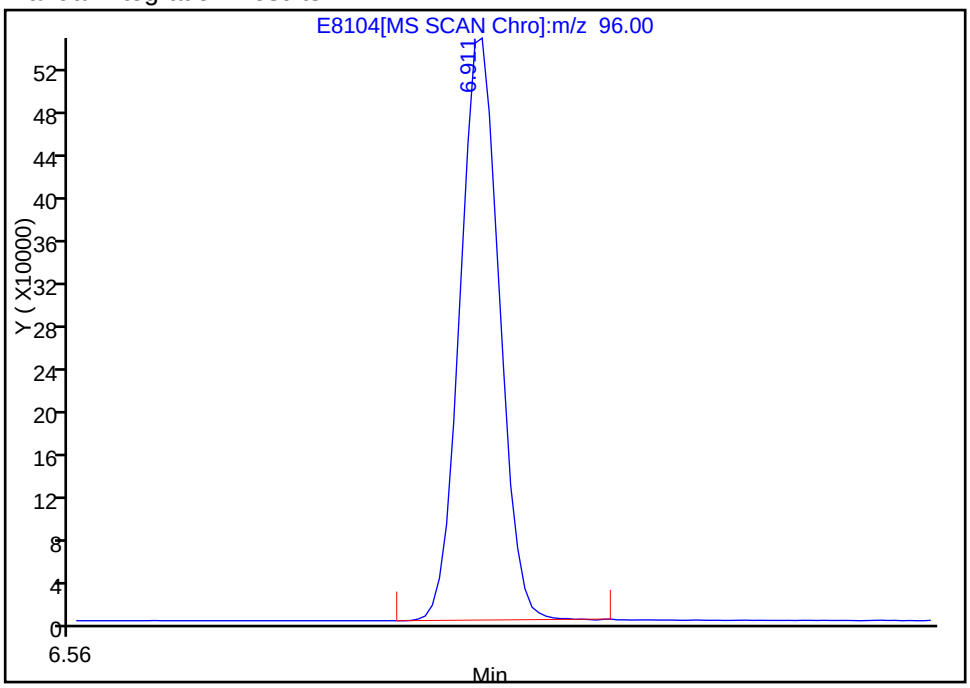
Processing Integration Results

RT: 7.18
Response: 148
Amount: 50.000000



Manual Integration Results

RT: 6.91
Response: 1279210
Amount: 50.000000



Reviewer: hallj, 08-Mar-2011 13:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

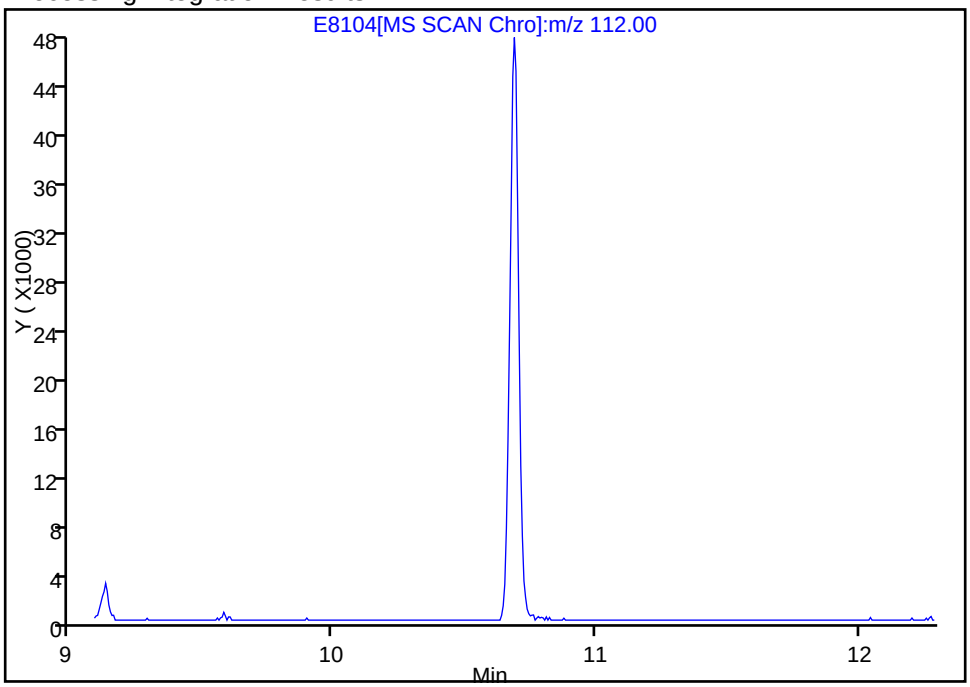
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D		
Injection Date:	08-Mar-2011 12:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	2
Operator ID:	WH		

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

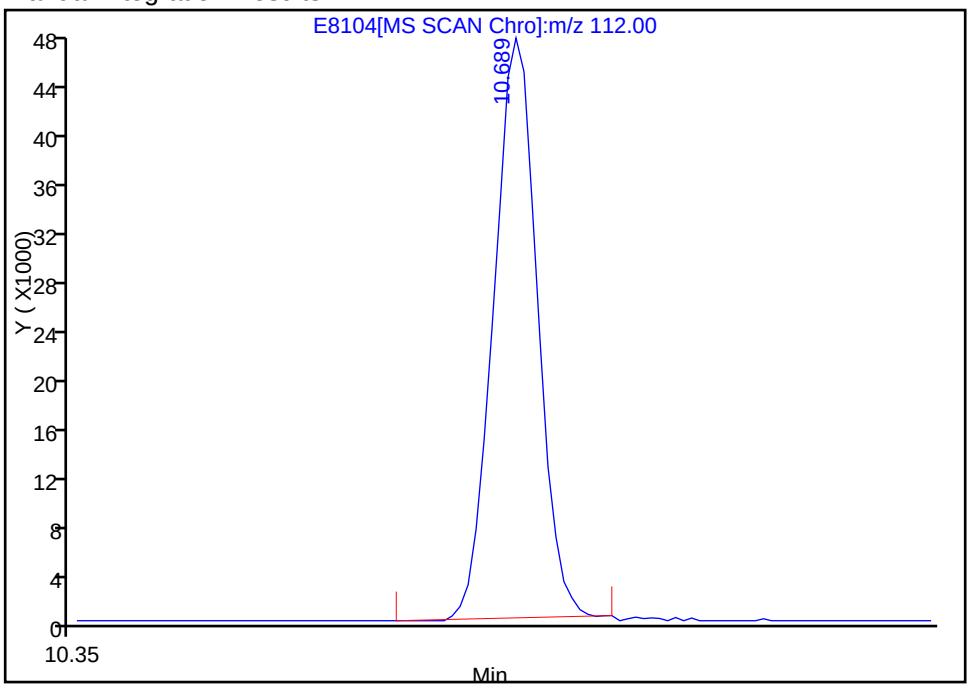
Processing Integration Results

Not Detected
Expected RT: 10.69



Manual Integration Results

RT: 10.69
Response: 109713
Amount: 3.261024



Reviewer: hallj, 08-Mar-2011 13:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

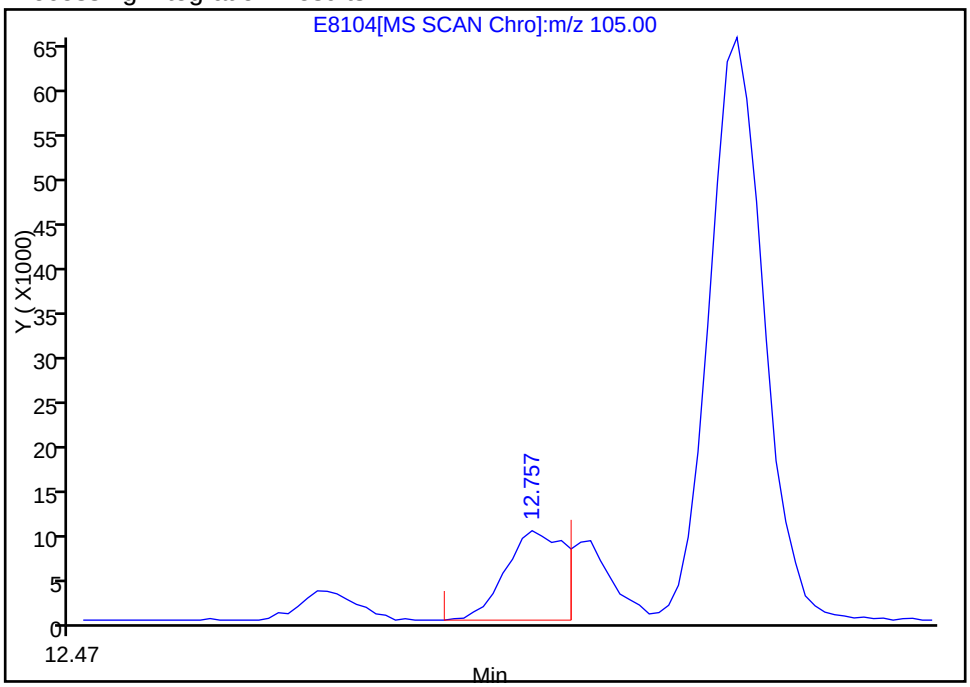
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D		
Injection Date:	08-Mar-2011 12:53:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	2
Operator ID:	WH		

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

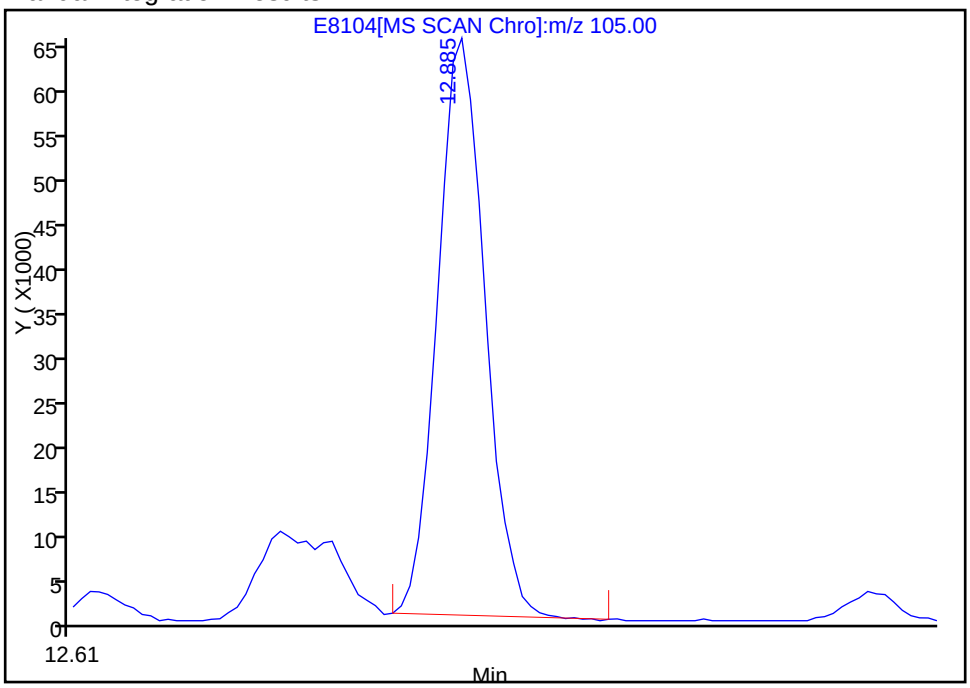
Processing Integration Results

RT: 12.76
Response: 26441
Amount: 5.000000



Manual Integration Results

RT: 12.89
Response: 150822
Amount: 5.781372



Reviewer: hallj, 08-Mar-2011 13:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:38 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8104.D

Injection Date: 08-Mar-2011 12:53:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

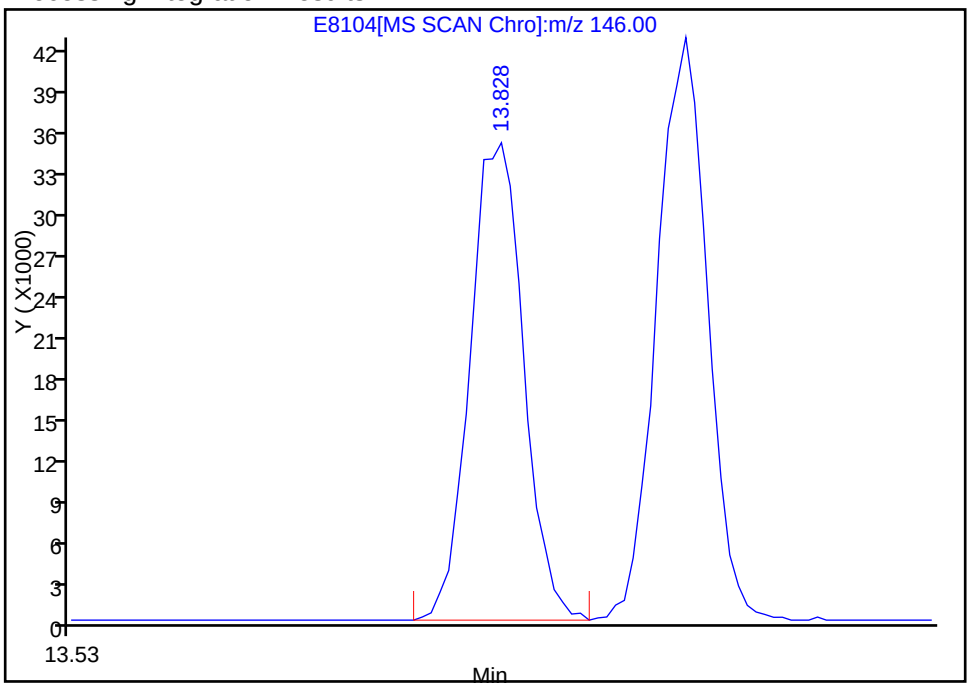
Lims Batch ID: 77032 Lims Sample ID: 2

Operator ID: WH

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

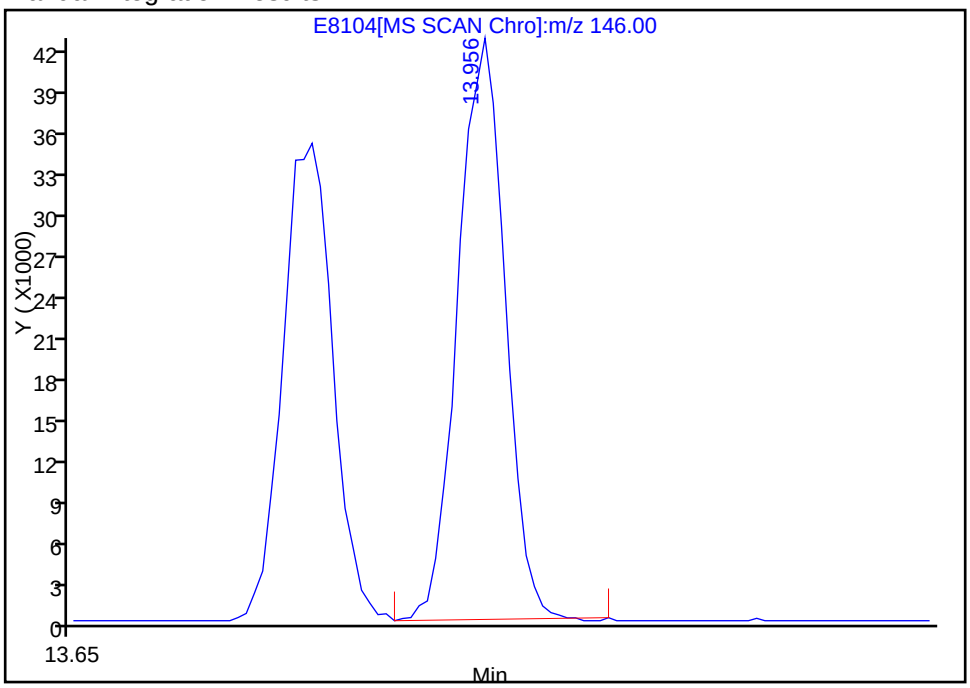
Processing Integration Results

RT: 13.83
Response: 88740
Amount: 5.000000



Manual Integration Results

RT: 13.96
Response: 101284
Amount: 6.210617



Reviewer: hallj, 08-Mar-2011 13:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D		
Lims ID:	std010	Client ID:	
Inject. Date:	08-Mar-2011 13:27:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD010		
Misc. Info.:	510-0004493-003 =510-0004493-003		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	77032	Lims Sample ID:	3
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 13:56:36	Calib Date:	08-Mar-2011 13:27:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 13:56:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.911	6.911	0.0	97	1371185	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.649	0.003	89	942877	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.922	-0.003	97	566018	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.528	6.524	0.004	0	479746	49.2	
$ 6 Toluene-d8 (Surr)	98	8.785	8.781	0.004	95	1297831	49.9	
$ 7 4-Bromofluorobenzene (Surr)	95	12.265	12.261	0.004	85	527029	50.6	
8 Dichlorodifluoromethane	85	2.056	2.047	0.009	100	65050	10.0	
9 Chloromethane	50	2.269	2.253	0.016	99	72449	9.29	
10 Vinyl chloride	62	2.397	2.393	0.004	78	58440	10.0	
11 Bromomethane	94	2.762	2.728	0.034	95	24386	10.0	
12 Chloroethane	64	2.896	2.837	0.059	99	44679	9.68	
13 Trichlorofluoromethane	101	3.182	3.142	0.040	78	91110	10.0	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.504	3.488	0.016	84	70442	9.08	
15 Acrolein	56	3.638	3.622	0.016	78	7480	10.4	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.754	3.726	0.028	62	37865	8.93	
16 1,1-Dichloroethene	96	3.754	3.726	0.028	83	35537	7.52	
18 Acetone	58	3.802	3.799	0.003	98	11458	10.0	
19 Iodomethane	142	3.918	3.896	0.022	96	15631	10.0	
20 Carbon disulfide	76	3.991	3.975	0.016	100	114682	10.0	
21 Methyl acetate	43	4.149	4.145	0.004	98	87029	9.42	
22 Methylene Chloride	84	4.259	4.249	0.010	98	89450	10.0	
23 2-Methyl-2-propanol	59	4.386	4.395	-0.009	97	58934	35.7	
24 Acrylonitrile	53	4.520	4.516	0.004	94	37202	9.56	
25 trans-1,2-Dichloroethene	96	4.557	4.547	0.010	56	42747	10.0	
26 Methyl tert-butyl ether	73	4.557	4.553	0.004	96	165401	9.10	
27 Hexane	57	4.849	4.833	0.016	95	66796	10.0	
28 1,1-Dichloroethane	63	5.007	4.991	0.016	82	96094	10.0	
29 Vinyl acetate	43	5.050	5.046	0.004	99	385878	19.2	
30 Isopropyl ether	45	5.074	5.074	0.0	23	210691	10.0	M
31 Tert-butyl ethyl ether	59	5.463	5.459	0.004	96	174116	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.634	5.618	0.016	94	65893	10.0	
33 2,2-Dichloropropane	77	5.634	5.624	0.010	63	73591	10.0	
34 2-Butanone (MEK)	72	5.640	5.642	-0.002	73	14462	9.94	
105 Ethyl acetate	43	5.694	5.697	-0.003	0	116256	10.4	
93 Propionitrile	54	5.707	5.703	0.004	0	17940	10.2	
35 Chlorobromomethane	130	5.889	5.885	0.004	88	43555	10.0	
95 Tetrahydrofuran	42	5.956	5.952	0.004	0	38439	9.67	
36 Chloroform	83	5.968	5.964	0.004	67	116856	8.26	
37 1,1,1-Trichloroethane	97	6.193	6.183	0.010	95	85241	10.0	
38 Cyclohexane	84	6.260	6.250	0.010	96	62588	10.0	
39 1,1-Dichloropropene	75	6.370	6.360	0.010	91	68120	10.0	
40 Carbon tetrachloride	117	6.376	6.366	0.010	85	72098	10.0	
41 Benzene	78	6.607	6.597	0.010	74	268516	10.0	
42 1,2-Dichloroethane	62	6.613	6.609	0.004	51	121559	10.0	
43 Isobutyl alcohol	41	6.716	6.713	0.003	47	37654	10.0	
44 Tert-amyl methyl ether	73	6.716	6.713	0.003	88	157623	9.35	
102 n-Butanol	56	7.215	7.230	-0.015	0	34103	110.0	
45 Trichloroethene	132	7.331	7.327	0.004	89	56970	10.0	
46 Methylcyclohexane	83	7.568	7.558	0.010	93	80651	10.0	
47 1,2-Dichloropropane	63	7.592	7.589	0.003	87	72727	8.55	
48 Dibromomethane	93	7.732	7.729	0.003	94	42471	8.92	
49 Dichlorobromomethane	83	7.903	7.905	-0.002	99	83850	10.0	
50 2-Chloroethyl vinyl ether	63	8.256	8.252	0.004	91	30717	20.0	
54 cis-1,3-Dichloropropene	75	8.444	8.440	0.004	91	82010	9.37	
52 4-Methyl-2-pentanone (MIBK)	43	8.627	8.629	-0.002	97	95502	10.1	
53 Toluene	91	8.870	8.866	0.004	94	285799	7.61	
51 trans-1,3-Dichloropropene	75	9.125	9.128	-0.003	96	78210	9.60	
55 Ethyl methacrylate	69	9.235	9.231	0.004	87	95771	9.99	
56 1,1,2-Trichloroethane	83	9.363	9.359	0.004	89	55891	9.07	
57 Tetrachloroethene	164	9.570	9.566	0.004	77	45545	10.0	
58 1,3-Dichloropropane	76	9.582	9.584	-0.002	96	114756	9.26	
59 2-Hexanone	43	9.679	9.681	-0.002	97	70203	10.1	
60 Chlorodibromomethane	129	9.880	9.876	0.004	90	57747	9.35	
61 Ethylene Dibromide	107	10.044	10.040	0.004	97	59418	9.42	
62 Chlorobenzene	112	10.689	10.689	0.0	97	169192	10.0	
63 1,1,1,2-Tetrachloroethane	131	10.792	10.795	-0.003	81	58307	10.0	
64 Ethylbenzene	91	10.835	10.831	0.004	99	282246	8.03	
65 m-Xylene & p-Xylene	91	10.993	10.989	0.004	0	481087	20.0	
66 o-Xylene	91	11.535	11.537	-0.003	94	228310	10.0	
67 Styrene	104	11.553	11.555	-0.002	85	173402	9.09	
68 Bromoform	173	11.808	11.811	-0.003	98	38878	9.56	
69 Isopropylbenzene	105	12.052	12.048	0.004	98	192313	10.0	
71 1,1,2,2-Tetrachloroethane	83	12.453	12.455	-0.002	97	97560	9.47	
70 Bromobenzene	156	12.477	12.480	-0.003	95	75345	8.92	
72 1,2,3-Trichloropropane	75	12.526	12.528	-0.002	87	113853	10.2	
73 trans-1,4-Dichloro-2-butene	53	12.538	12.538	0.0	10	32944	9.91	M
74 N-Propylbenzene	91	12.630	12.632	-0.002	99	311744	10.0	
75 2-Chlorotoluene	91	12.757	12.753	0.004	96	201386	10.0	
76 1,3,5-Trimethylbenzene	105	12.885	12.885	0.0	27	217191	10.0	M
77 4-Chlorotoluene	91	12.909	12.906	0.003	91	242831	10.0	
78 tert-Butylbenzene	119	13.353	13.350	0.003	93	153342	10.0	
80 1,2,4-Trimethylbenzene	105	13.420	13.423	-0.003	61	263813	10.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.670	13.666	0.004	96	242456	10.0	
82 1,3-Dichlorobenzene	146	13.828	13.824	0.004	98	140303	10.0	
79 4-Isopropyltoluene	119	13.883	13.879	0.004	97	208931	10.0	
83 1,4-Dichlorobenzene	146	13.956	13.956	0.0	93	153267	10.0	M
99 1,2,3-Trimethylbenzene	105	14.035	14.031	0.004	0	258690	10.0	
84 n-Butylbenzene	91	14.479	14.481	-0.002	98	194509	10.0	
85 1,2-Dichlorobenzene	146	14.491	14.493	-0.002	91	145362	10.0	
86 1,2-Dibromo-3-Chloropropane	157	15.635	15.637	-0.002	56	16278	9.52	
87 1,2,4-Trichlorobenzene	180	16.870	16.866	0.004	93	69870	9.05	
88 Hexachlorobutadiene	225	17.125	17.128	-0.003	96	55450	10.0	
89 Naphthalene	128	17.229	17.225	0.004	100	204536	10.0	
90 1,2,3-Trichlorobenzene	180	17.588	17.590	-0.002	95	86619	9.34	
S 91 Xylenes, Total	100				0		30.0	
S 92 Total 1,2-dichloroethene	100				0		20.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 13:56:36 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D

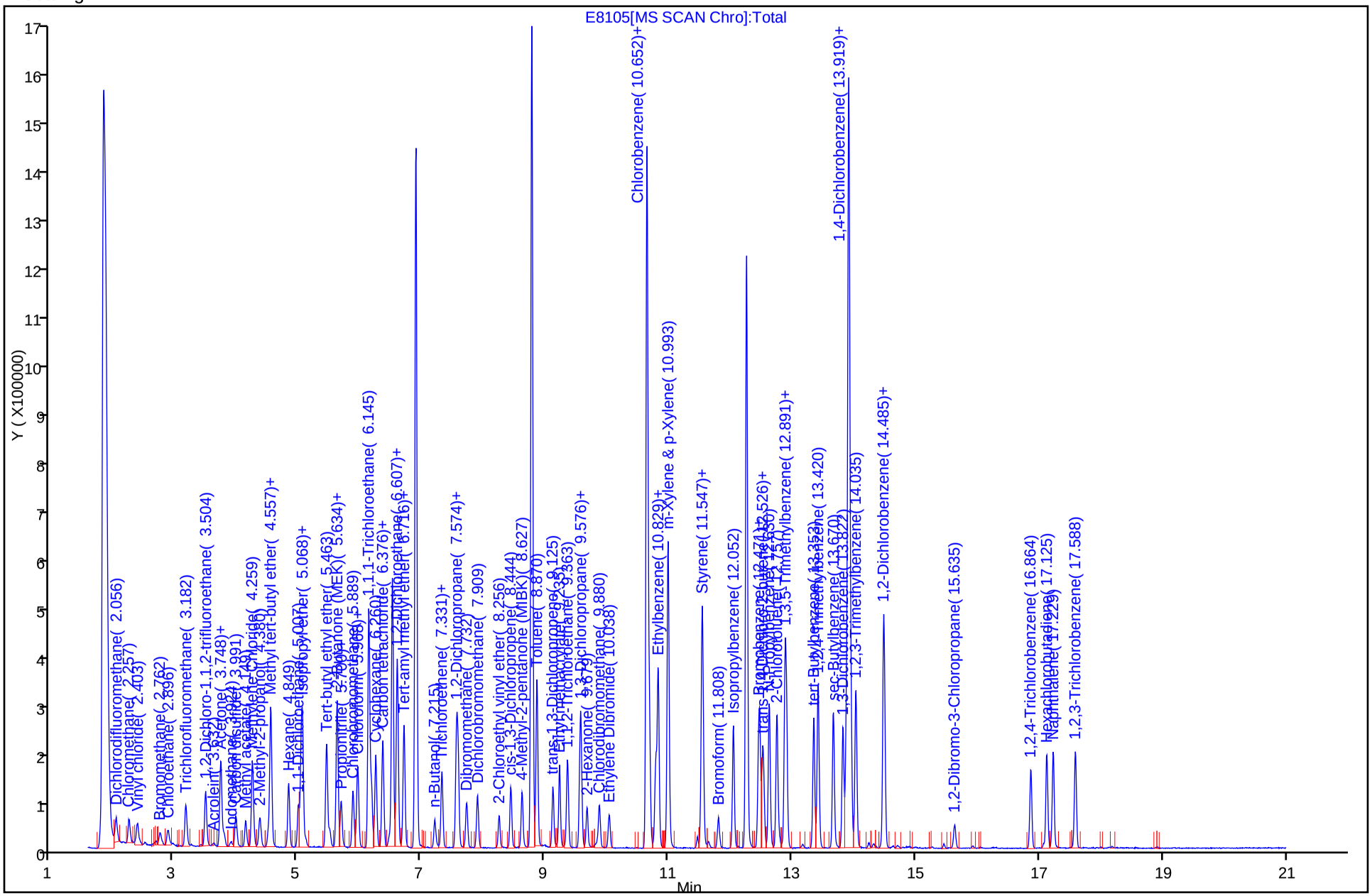
Injection Date: 08-Mar-2011 13:27:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 3

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 13:56:36 Chrom Revision: 1.2 17-Feb-2011 18:05:56

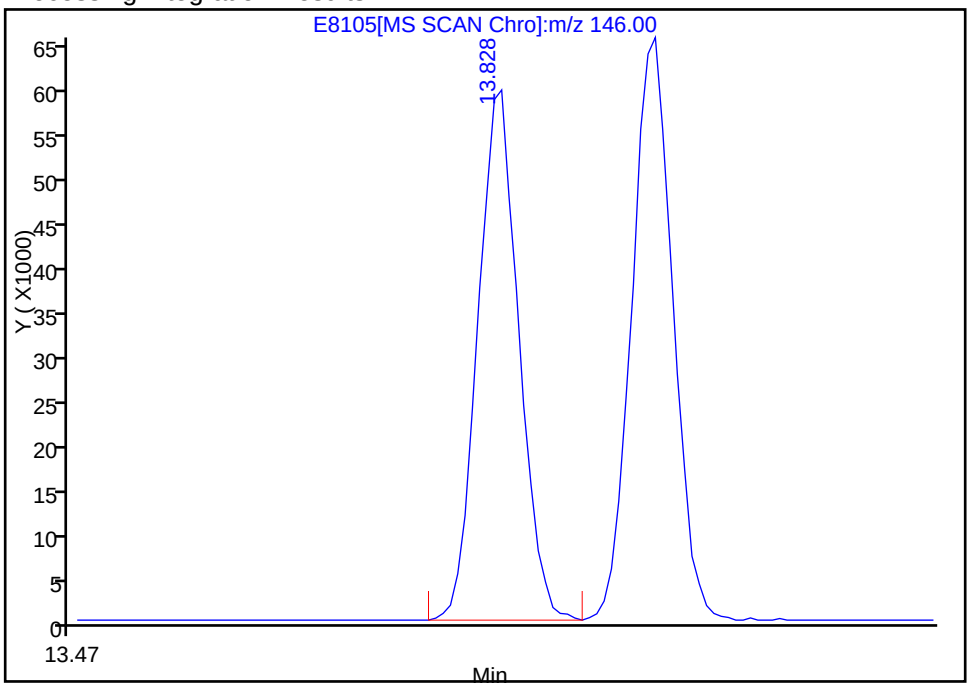
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D		
Injection Date:	08-Mar-2011 13:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	3
Operator ID:	WH		

83 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 13.96

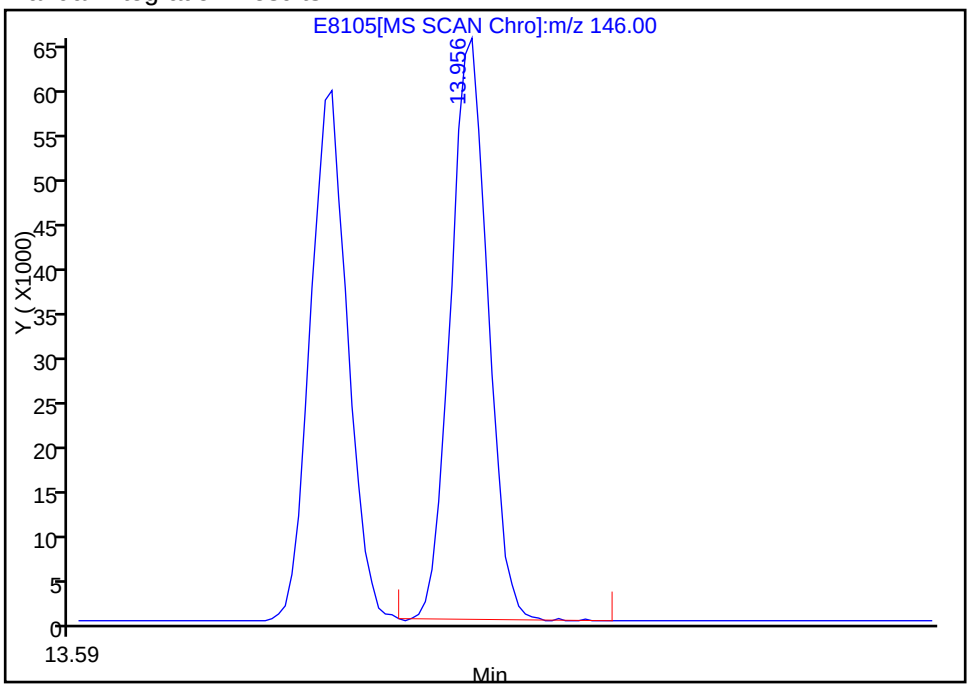
Processing Integration Results

RT: 13.83
Response: 140303
Amount: 10.000000



Manual Integration Results

RT: 13.96
Response: 153267
Amount: 10.000000



Reviewer: hallj, 08-Mar-2011 13:56:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 13:56:36 Chrom Revision: 1.2 17-Feb-2011 18:05:56

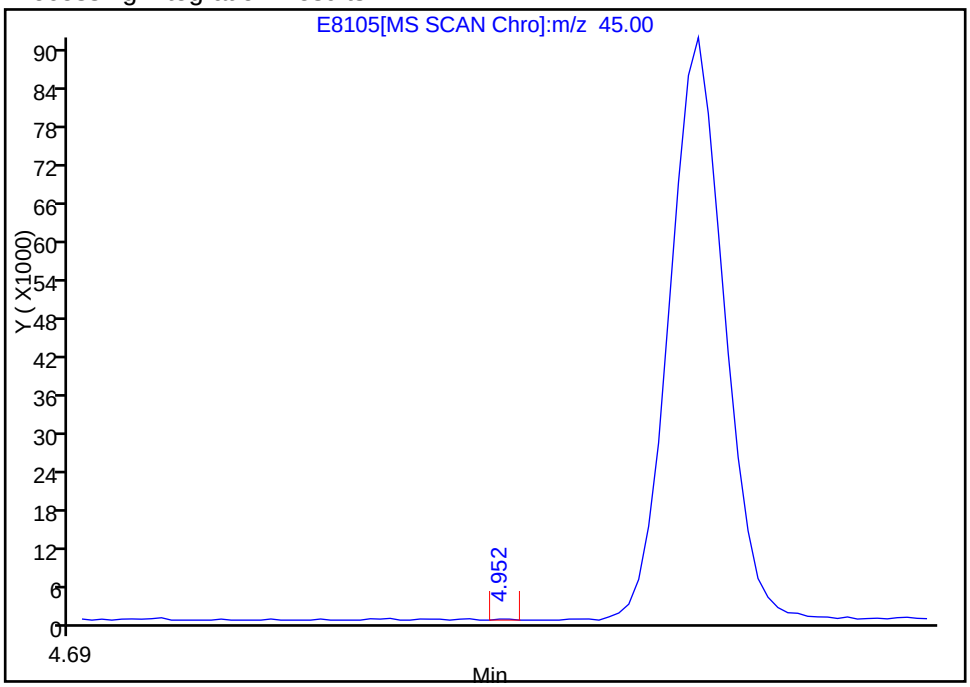
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D		
Injection Date:	08-Mar-2011 13:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	3
Operator ID:	WH		

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

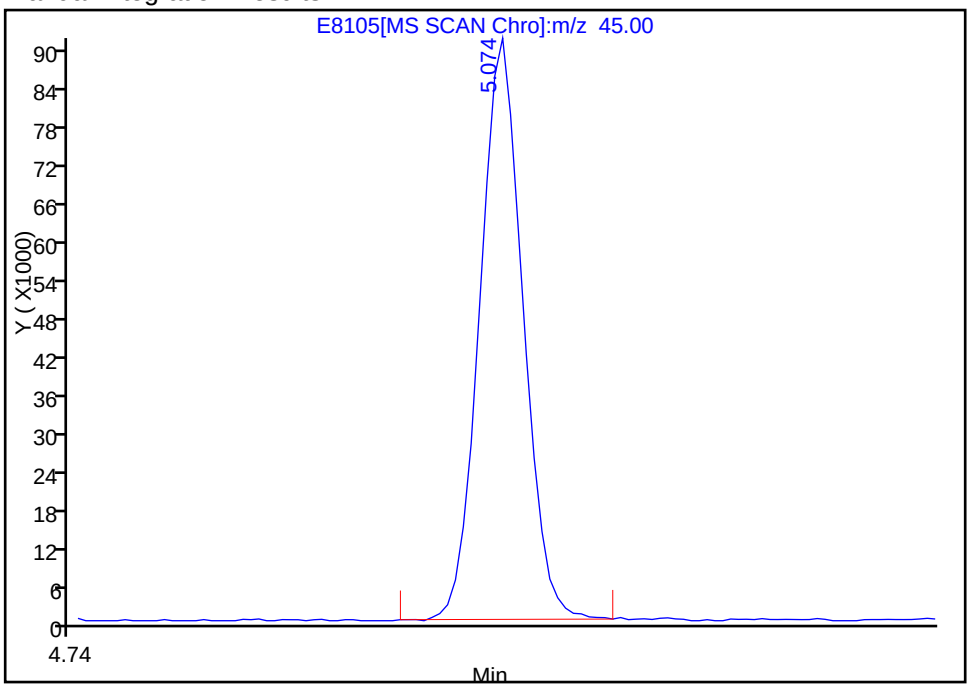
Processing Integration Results

RT: 4.95
Response: 117
Amount: 0.008496



Manual Integration Results

RT: 5.07
Response: 210691
Amount: 10.000000



Reviewer: hallj, 08-Mar-2011 13:56:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 13:56:36 Chrom Revision: 1.2 17-Feb-2011 18:05:56

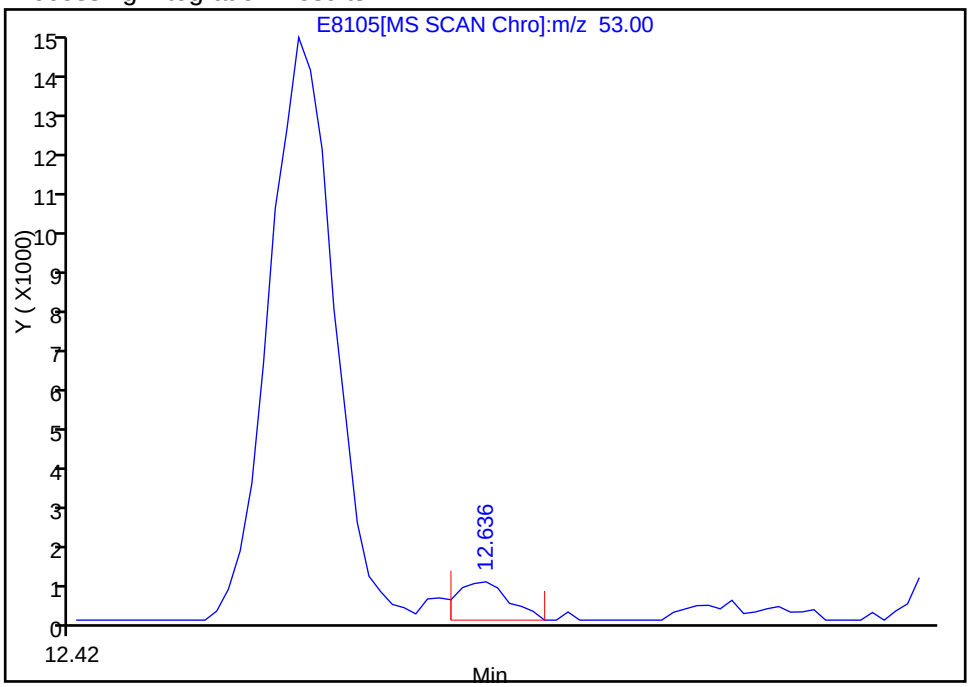
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D		
Injection Date:	08-Mar-2011 13:27:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	3
Operator ID:	WH		

73 trans-1,4-Dichloro-2-butene, Signal: 1, m/z: 53.0 Type: quant, RT: 12.54

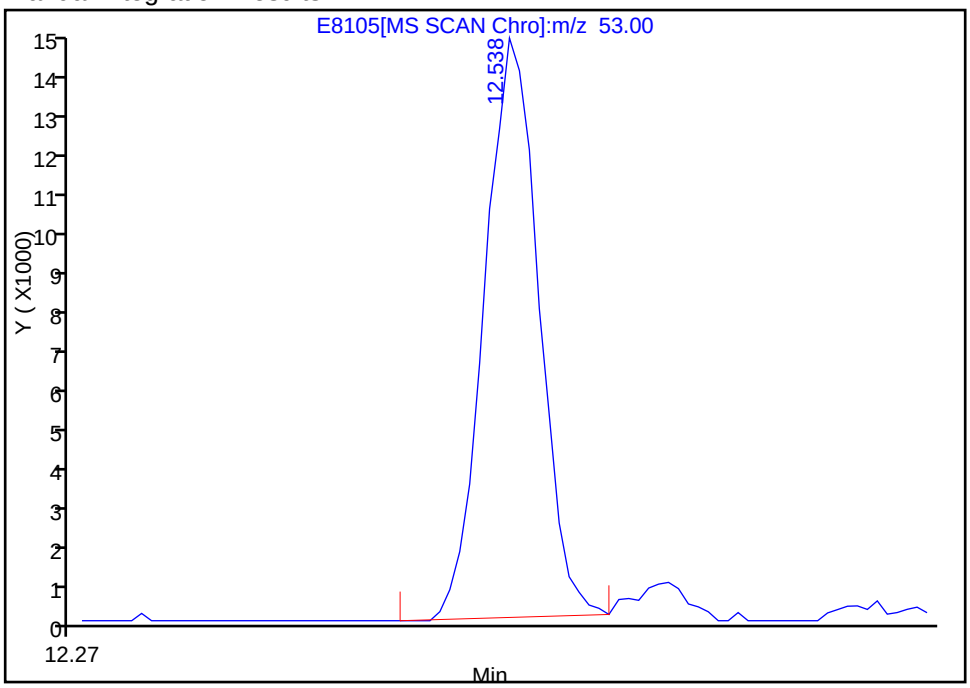
Processing Integration Results

RT: 12.64
Response: 1794
Amount: 1.014773



Manual Integration Results

RT: 12.54
Response: 32944
Amount: 9.906827



Reviewer: hallj, 08-Mar-2011 13:56:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 13:56:36 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8105.D

Injection Date: 08-Mar-2011 13:27:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

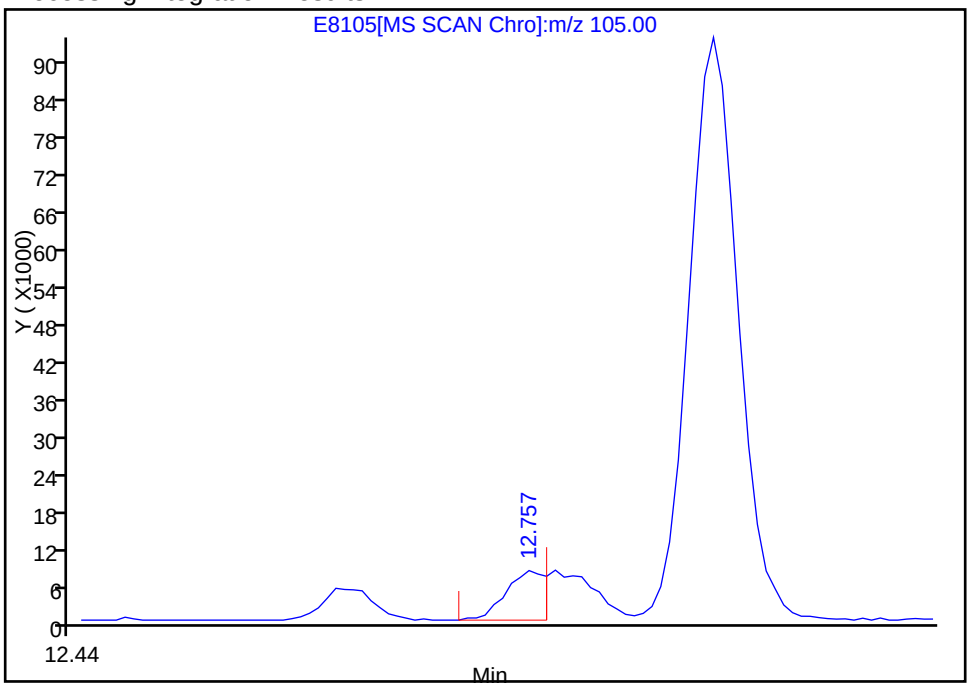
Lims Batch ID: 77032 Lims Sample ID: 3

Operator ID: WH

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.89

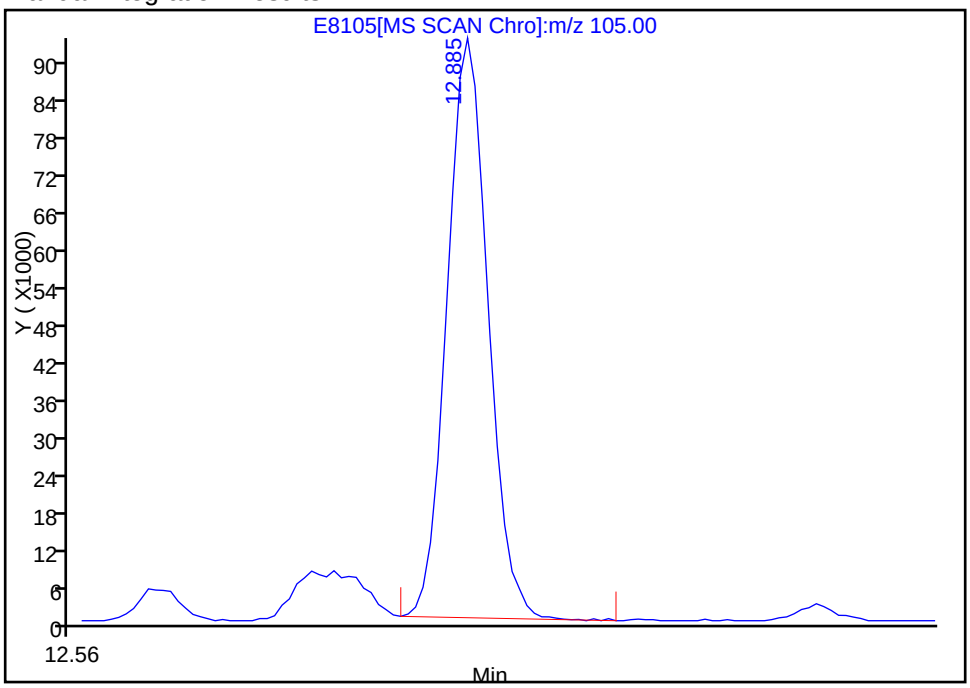
Processing Integration Results

RT: 12.76
Response: 15559
Amount: 0.979298



Manual Integration Results

RT: 12.89
Response: 217191
Amount: 10.000000



Reviewer: hallj, 08-Mar-2011 13:56:36
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D		
Lims ID:	std020	Client ID:	
Inject. Date:	08-Mar-2011 14:02:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD020		
Misc. Info.:	510-0004493-004 =510-0004493-004		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	77032	Lims Sample ID:	4
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 14:45:57	Calib Date:	08-Mar-2011 14:02:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 14:45:57

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.909	6.911	-0.002	97	1317481	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.649	0.002	90	914111	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.922	-0.004	97	547156	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.526	6.524	0.002	0	460020	49.4	
$ 6 Toluene-d8 (Surr)	98	8.783	8.781	0.002	95	1269186	50.5	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.261	0.002	85	520179	51.1	
8 Dichlorodifluoromethane	85	2.055	2.047	0.008	100	182277	20.0	
9 Chloromethane	50	2.262	2.253	0.009	88	187280	23.1	
10 Vinyl chloride	62	2.395	2.393	0.002	80	154667	20.0	
11 Bromomethane	94	2.748	2.728	0.020	90	60155	21.6	
12 Chloroethane	64	2.888	2.837	0.051	99	110972	23.1	
13 Trichlorofluoromethane	101	3.174	3.142	0.032	77	242610	20.0	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.503	3.488	0.015	82	189220	20.0	
15 Acrolein	56	3.637	3.622	0.014	97	13533	19.7	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.746	3.726	0.020	64	104714	20.0	
16 1,1-Dichloroethene	96	3.746	3.726	0.020	81	91001	20.0	
18 Acetone	58	3.801	3.799	0.002	98	28229	21.3	
19 Iodomethane	142	3.910	3.896	0.014	97	34389	19.7	
20 Carbon disulfide	76	3.989	3.975	0.014	100	291536	20.0	
21 Methyl acetate	43	4.154	4.145	0.009	99	157391	18.4	
22 Methylene Chloride	84	4.257	4.249	0.008	98	159308	20.0	
23 2-Methyl-2-propanol	59	4.379	4.395	-0.016	94	101028	80.4	
24 Acrylonitrile	53	4.519	4.516	0.003	98	66864	18.5	
25 trans-1,2-Dichloroethene	96	4.555	4.547	0.008	64	108088	20.0	
26 Methyl tert-butyl ether	73	4.555	4.553	0.002	97	337534	19.6	
27 Hexane	57	4.847	4.833	0.014	94	174804	20.0	
28 1,1-Dichloroethane	63	5.005	4.991	0.014	97	230232	20.0	
29 Vinyl acetate	43	5.054	5.046	0.008	100	785631	40.4	
30 Isopropyl ether	45	5.072	5.072	0.0	3	458452	19.8	M
31 Tert-butyl ethyl ether	59	5.462	5.459	0.003	96	333810	18.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.626	5.618	0.008	83	151216	20.0	
33 2,2-Dichloropropane	77	5.632	5.624	0.008	70	192117	20.0	
34 2-Butanone (MEK)	72	5.638	5.642	-0.004	78	31215	21.5	
105 Ethyl acetate	43	5.693	5.697	-0.004	0	228058	20.8	
93 Propionitrile	54	5.699	5.703	-0.004	0	31736	19.1	
35 Chlorobromomethane	130	5.893	5.885	0.008	89	90963	19.2	
95 Tetrahydrofuran	42	5.954	5.952	0.002	0	68298	18.5	
36 Chloroform	83	5.966	5.964	0.002	83	266520	20.0	
37 1,1,1-Trichloroethane	97	6.185	6.183	0.002	96	217432	20.0	
38 Cyclohexane	84	6.258	6.250	0.008	94	190720	20.0	
39 1,1-Dichloropropene	75	6.368	6.360	0.008	91	187741	20.0	
40 Carbon tetrachloride	117	6.374	6.366	0.008	87	184263	20.0	
41 Benzene	78	6.605	6.597	0.008	74	616799	20.0	
42 1,2-Dichloroethane	62	6.617	6.609	0.008	70	252468	19.4	
43 Isobutyl alcohol	41	6.715	6.713	0.002	46	78078	19.3	
44 Tert-amyl methyl ether	73	6.715	6.713	0.002	88	353052	21.2	
102 n-Butanol	56	7.214	7.230	-0.016	0	65531	237.7	
45 Trichloroethene	132	7.329	7.327	0.002	89	139553	20.0	
46 Methylcyclohexane	83	7.566	7.558	0.008	94	237681	20.0	
47 1,2-Dichloropropane	63	7.591	7.591	0.0	0	169889	20.5	M
48 Dibromomethane	93	7.725	7.729	-0.004	97	87751	19.4	
49 Dichlorobromomethane	83	7.907	7.905	0.002	99	188497	20.4	
50 2-Chloroethyl vinyl ether	63	8.254	8.252	0.002	90	78832	41.7	
54 cis-1,3-Dichloropropene	75	8.442	8.440	0.002	91	198931	22.3	
52 4-Methyl-2-pentanone (MIBK)	43	8.631	8.629	0.002	97	200101	21.2	
53 Toluene	91	8.868	8.866	0.002	94	630204	20.0	
51 trans-1,3-Dichloropropene	75	9.124	9.128	-0.004	97	180732	22.0	
55 Ethyl methacrylate	69	9.233	9.231	0.002	87	222121	22.6	
56 1,1,2-Trichloroethane	83	9.361	9.359	0.002	96	114953	19.6	
57 Tetrachloroethene	164	9.568	9.566	0.002	88	116730	20.0	
58 1,3-Dichloropropane	76	9.580	9.584	-0.004	95	241494	20.2	
59 2-Hexanone	43	9.683	9.681	0.002	81	168088	23.1	
60 Chlorodibromomethane	129	9.878	9.876	0.002	90	122960	20.5	
61 Ethylene Dibromide	107	10.036	10.040	-0.004	98	122883	20.2	
62 Chlorobenzene	112	10.687	10.689	-0.002	95	378534	20.0	
63 1,1,1,2-Tetrachloroethane	131	10.797	10.795	0.002	84	133825	20.5	
64 Ethylbenzene	91	10.833	10.831	0.002	100	687487	20.0	
65 m-Xylene & p-Xylene	91	10.991	10.989	0.002	0	1098030	40.0	
66 o-Xylene	91	11.539	11.537	0.002	92	546293	21.0	
67 Styrene	104	11.557	11.555	0.002	89	413926	21.5	
68 Bromoform	173	11.807	11.811	-0.004	98	82992	20.7	
69 Isopropylbenzene	105	12.050	12.048	0.002	98	567511	20.0	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.455	0.003	98	187452	19.2	
70 Bromobenzene	156	12.482	12.480	0.002	95	169378	20.5	
72 1,2,3-Trichloropropane	75	12.524	12.528	-0.004	89	230161	20.8	
73 trans-1,4-Dichloro-2-butene	53	12.543	12.538	0.005	55	68154	20.8	
74 N-Propylbenzene	91	12.628	12.632	-0.004	99	788007	20.0	
75 2-Chlorotoluene	91	12.756	12.753	0.003	96	480680	20.9	
76 1,3,5-Trimethylbenzene	105	12.883	12.883	0.0	23	546034	20.0	M
77 4-Chlorotoluene	91	12.908	12.906	0.002	91	574299	20.6	
78 tert-Butylbenzene	119	13.352	13.350	0.002	93	436827	20.0	
80 1,2,4-Trimethylbenzene	105	13.419	13.423	-0.004	59	590712	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.668	13.666	0.002	95	662082	20.0	
82 1,3-Dichlorobenzene	146	13.826	13.824	0.002	97	319405	20.5	
79 4-Isopropyltoluene	119	13.881	13.879	0.002	97	559639	20.0	
83 1,4-Dichlorobenzene	146	13.954	13.956	-0.002	92	335477	19.7	
99 1,2,3-Trimethylbenzene	105	14.033	14.031	0.002	0	590261	20.4	
84 n-Butylbenzene	91	14.477	14.481	-0.004	99	508740	20.0	
85 1,2-Dichlorobenzene	146	14.495	14.493	0.002	94	314624	19.8	
86 1,2-Dibromo-3-Chloropropane	157	15.627	15.637	-0.010	61	32900	19.9	
87 1,2,4-Trichlorobenzene	180	16.868	16.866	0.002	92	172780	22.0	
88 Hexachlorobutadiene	225	17.124	17.128	-0.004	95	132387	21.2	
89 Naphthalene	128	17.227	17.225	0.002	100	443752	21.6	
90 1,2,3-Trichlorobenzene	180	17.586	17.590	-0.004	94	187804	20.6	
S 91 Xylenes, Total	100				0		61.0	
S 92 Total 1,2-dichloroethene	100				0		40.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 14:45:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D

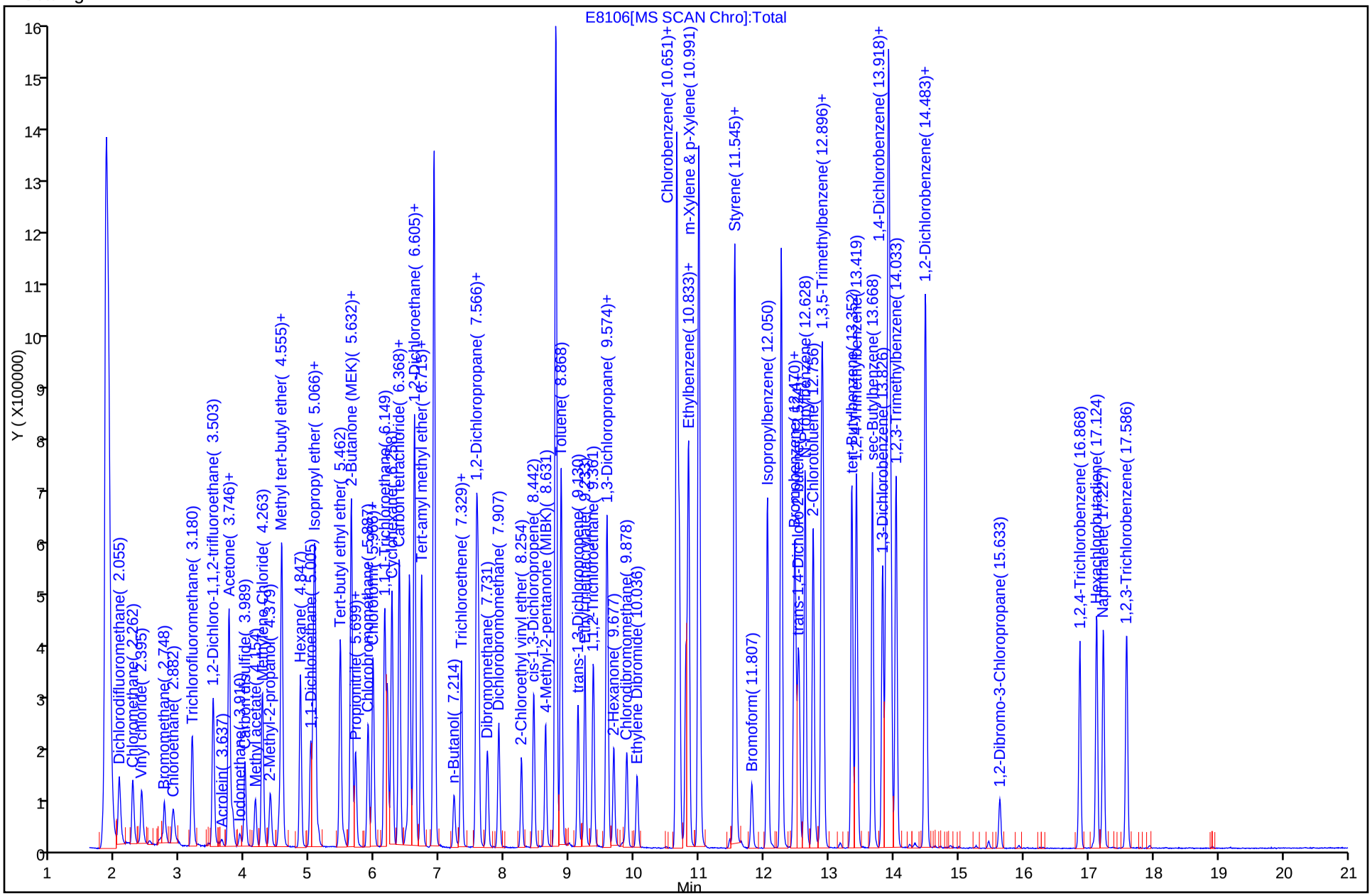
Injection Date: 08-Mar-2011 14:02:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 4

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 14:45:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

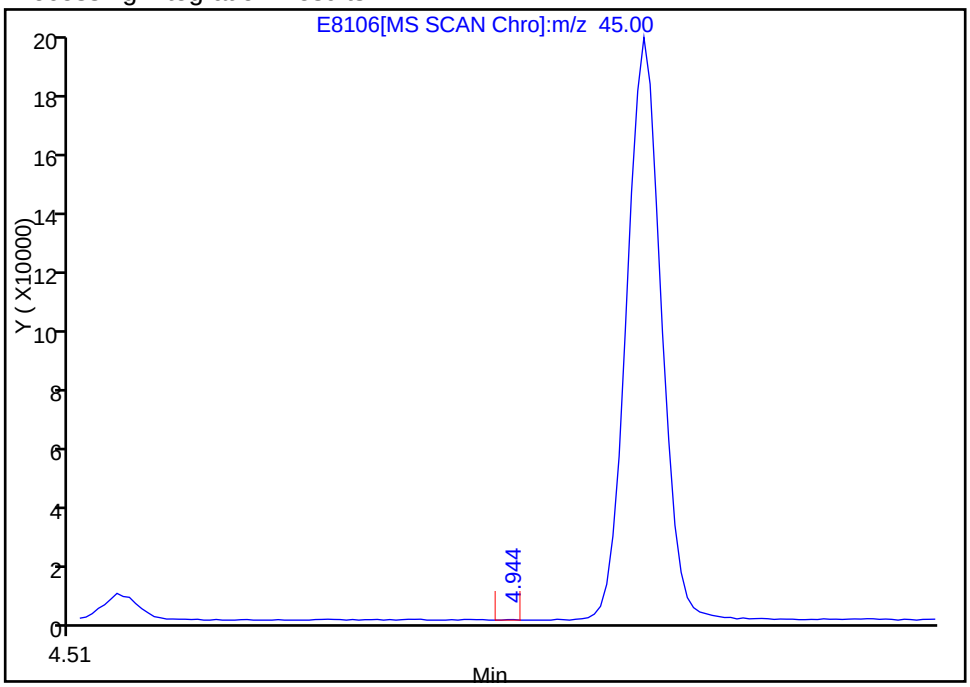
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D		
Injection Date:	08-Mar-2011 14:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	4
Operator ID:	WH		

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

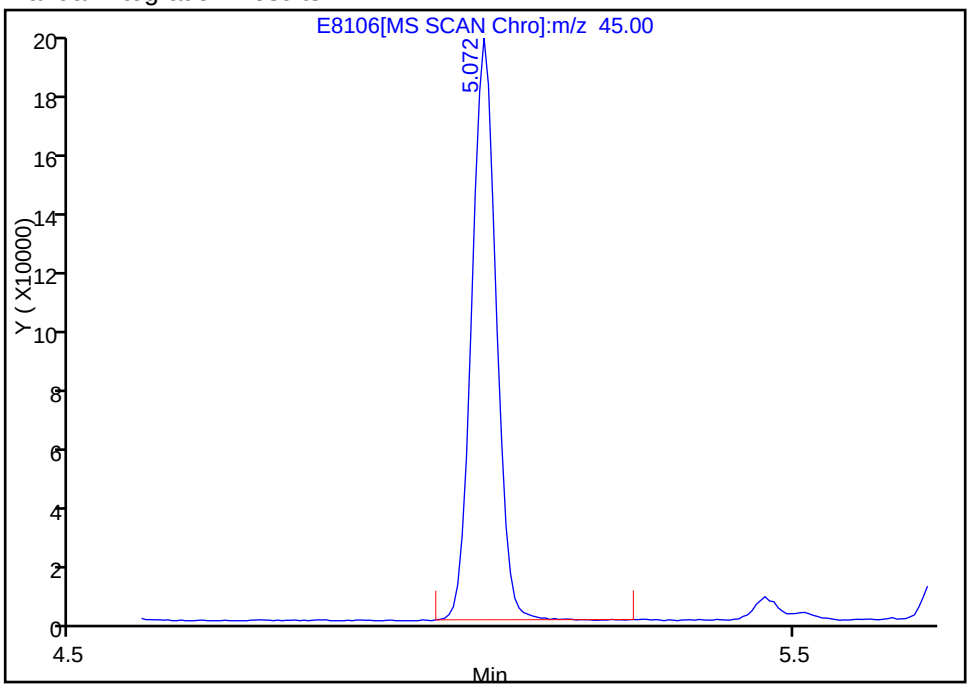
Processing Integration Results

RT: 4.94
Response: 129
Amount: 0.008286



Manual Integration Results

RT: 5.07
Response: 458452
Amount: 19.755261



Reviewer: hallj, 08-Mar-2011 14:45:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 14:45:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

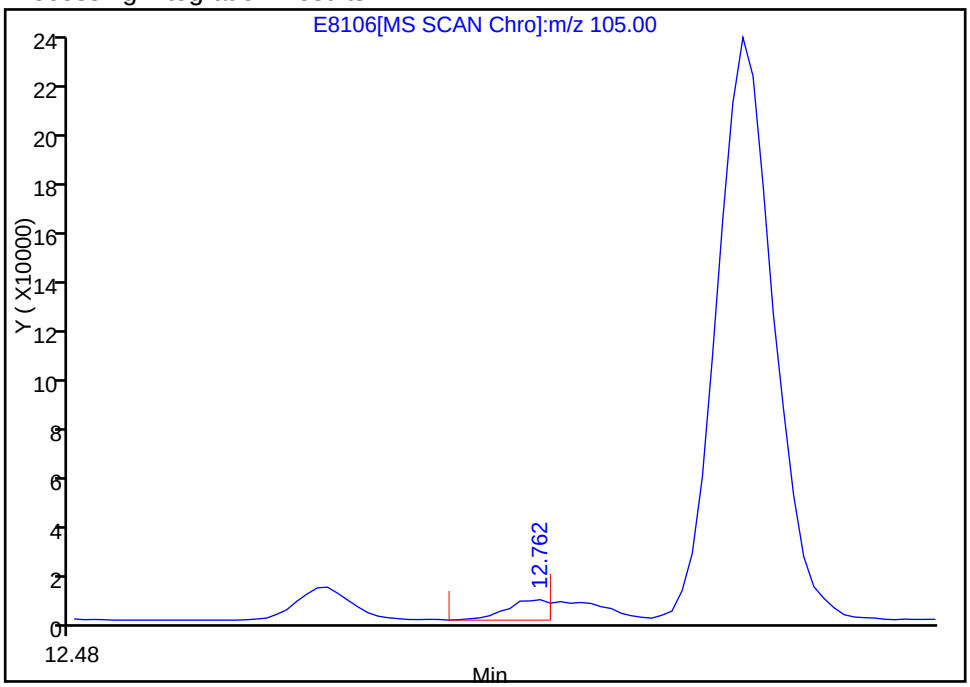
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D		
Injection Date:	08-Mar-2011 14:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	4
Operator ID:	WH		

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

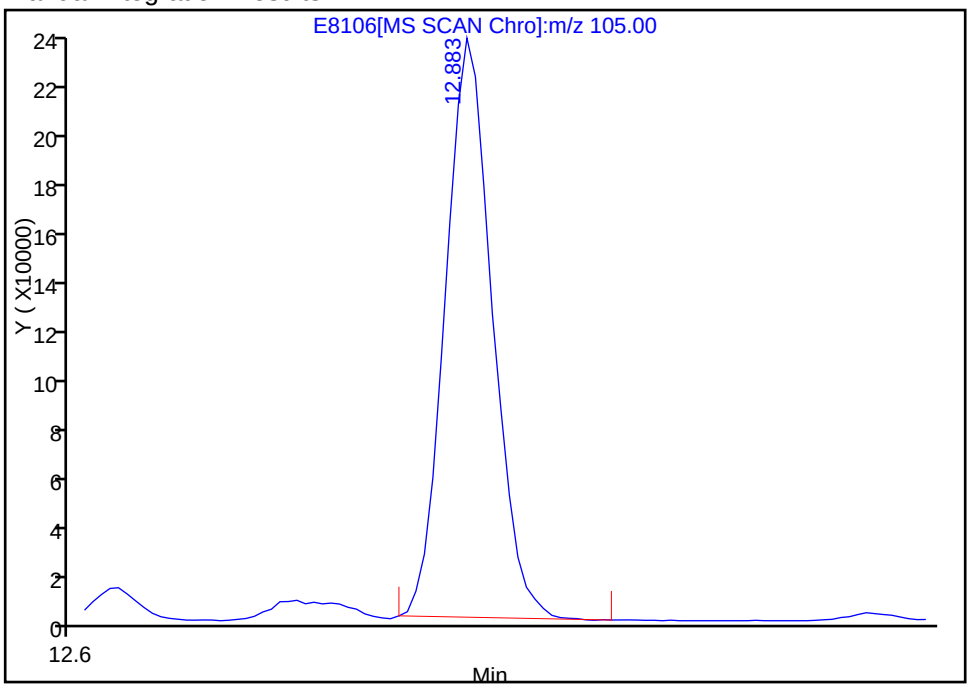
Processing Integration Results

RT: 12.76
Response: 15349
Amount: 0.903313



Manual Integration Results

RT: 12.88
Response: 546034
Amount: 20.000000



Reviewer: hallj, 08-Mar-2011 14:45:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 14:45:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

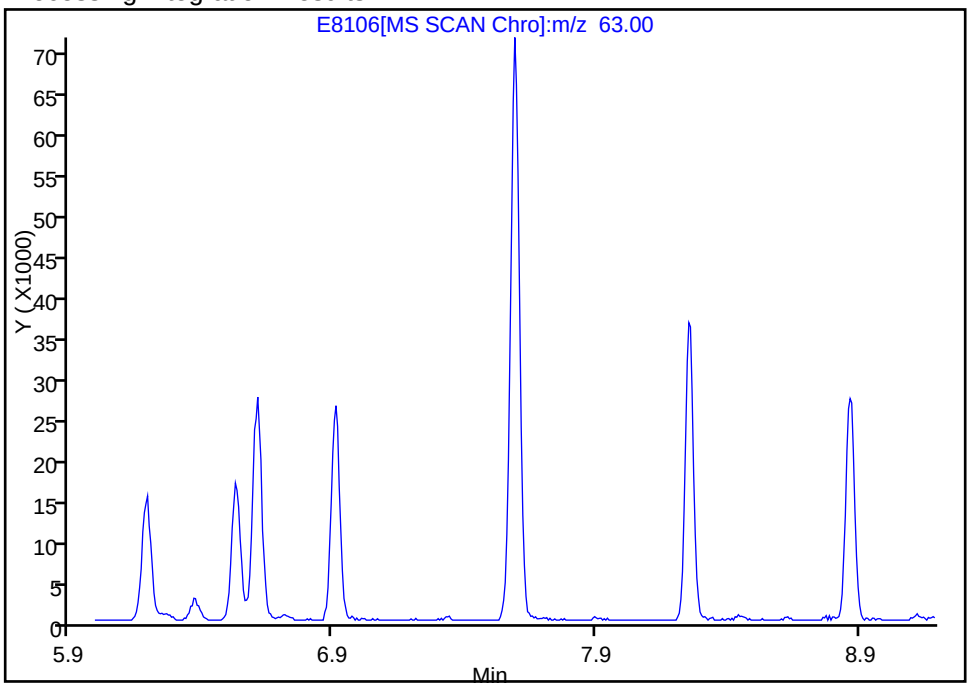
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8106.D
Injection Date: 08-Mar-2011 14:02:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 4
Operator ID: WH

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

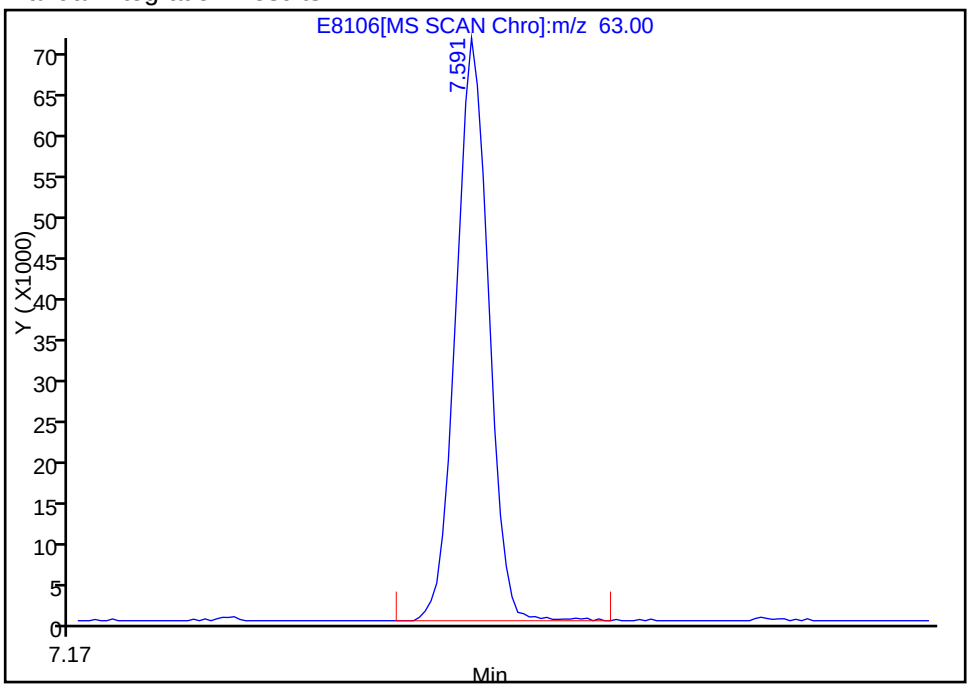
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 169889
Amount: 20.516179



Reviewer: hallj, 08-Mar-2011 14:45:57
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D		
Lims ID:	std050	Client ID:	
Inject. Date:	08-Mar-2011 14:36:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	4
Sample ID:	STD050		
Misc. Info.:	510-0004493-005 =510-0004493-005		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	77032	Lims Sample ID:	5
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 15:30:02	Calib Date:	08-Mar-2011 14:36:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 15:30:02

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.905	6.905	0.0	97	1324410	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.652	0.0	89	938250	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.919	13.919	0.0	97	555160	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.522	6.522	0.0	0	456921	49.1	
$ 6 Toluene-d8 (Surr)	98	8.785	8.785	0.0	95	1267499	50.1	
$ 7 4-Bromofluorobenzene (Surr)	95	12.258	12.258	0.0	84	546586	52.2	
8 Dichlorodifluoromethane	85	2.044	2.044	0.0	87	357918	46.2	
9 Chloromethane	50	2.251	2.251	0.0	88	406537	49.9	
10 Vinyl chloride	62	2.391	2.391	0.0	81	339369	49.8	
11 Bromomethane	94	2.732	2.732	0.0	90	120193	44.5	
12 Chloroethane	64	2.847	2.847	0.0	89	211721	45.2	
13 Trichlorofluoromethane	101	3.151	3.151	0.0	77	477419	45.6	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.492	3.492	0.0	92	361279	45.6	
15 Acrolein	56	3.626	3.626	0.0	99	33689	49.1	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.729	3.729	0.0	58	201680	46.1	
16 1,1-Dichloroethene	96	3.729	3.729	0.0	82	211374	47.2	
18 Acetone	58	3.802	3.802	0.0	99	52289	41.4	
19 Iodomethane	142	3.900	3.900	0.0	97	71118	49.3	
20 Carbon disulfide	76	3.979	3.979	0.0	100	674768	49.8	
21 Methyl acetate	43	4.143	4.143	0.0	99	359899	43.7	
22 Methylene Chloride	84	4.253	4.253	0.0	98	301443	28.0	
23 2-Methyl-2-propanol	59	4.392	4.392	0.0	95	231609	199.5	
24 Acrylonitrile	53	4.514	4.514	0.0	99	158451	45.1	
25 trans-1,2-Dichloroethene	96	4.551	4.551	0.0	63	245944	49.7	
26 Methyl tert-butyl ether	73	4.557	4.557	0.0	97	783886	46.3	
27 Hexane	57	4.837	4.837	0.0	95	372276	43.1	
28 1,1-Dichloroethane	63	4.995	4.995	0.0	97	510688	49.6	
29 Vinyl acetate	43	5.043	5.043	0.0	99	1756822	92.2	
30 Isopropyl ether	45	5.068	5.068	0.0	1	1040621	45.8	M
31 Tert-butyl ethyl ether	59	5.457	5.457	0.0	96	794145	44.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
32 cis-1,2-Dichloroethene	96	5.621	5.621	0.0	83	342802	46.0	
33 2,2-Dichloropropane	77	5.627	5.627	0.0	71	445331	49.7	
34 2-Butanone (MEK)	72	5.640	5.640	0.0	92	66972	46.8	
105 Ethyl acetate	43	5.694	5.694	0.0	0	542472	49.5	
93 Propionitrile	54	5.700	5.700	0.0	0	77188	46.7	
35 Chlorobromomethane	130	5.883	5.883	0.0	90	212595	45.9	
95 Tetrahydrofuran	42	5.950	5.950	0.0	0	168198	46.0	
36 Chloroform	83	5.962	5.962	0.0	67	601329	49.7	
37 1,1,1-Trichloroethane	97	6.181	6.181	0.0	97	501967	49.8	
38 Cyclohexane	84	6.254	6.254	0.0	94	461624	49.8	
39 1,1-Dichloropropene	75	6.364	6.364	0.0	91	436523	49.7	
40 Carbon tetrachloride	117	6.370	6.370	0.0	87	433601	49.8	
41 Benzene	78	6.601	6.601	0.0	96	1370767	49.7	
42 1,2-Dichloroethane	62	6.607	6.607	0.0	63	589944	46.1	
43 Isobutyl alcohol	41	6.710	6.710	0.0	46	177195	45.0	
44 Tert-amyl methyl ether	73	6.710	6.710	0.0	89	869955	51.4	
102 n-Butanol	56	7.240	7.240	0.0	0	176949	613.7	
45 Trichloroethene	132	7.325	7.325	0.0	89	312943	49.7	
46 Methylcyclohexane	83	7.562	7.562	0.0	94	562426	49.7	
47 1,2-Dichloropropane	63	7.592	7.592	0.0	0	380595	46.7	M
48 Dibromomethane	93	7.726	7.726	0.0	95	204956	46.3	
49 Dichlorobromomethane	83	7.903	7.903	0.0	98	449800	48.8	
50 2-Chloroethyl vinyl ether	63	8.255	8.255	0.0	91	218495	102.8	
54 cis-1,3-Dichloropropene	75	8.444	8.444	0.0	91	508547	54.9	
52 4-Methyl-2-pentanone (MIBK)	43	8.627	8.627	0.0	97	506939	52.6	
53 Toluene	91	8.864	8.864	0.0	94	1375194	41.8	
51 trans-1,3-Dichloropropene	75	9.125	9.125	0.0	97	468960	54.9	
55 Ethyl methacrylate	69	9.235	9.235	0.0	88	570532	55.5	
56 1,1,2-Trichloroethane	83	9.363	9.363	0.0	90	272685	47.2	
57 Tetrachloroethene	164	9.563	9.563	0.0	88	268092	49.7	
58 1,3-Dichloropropane	76	9.582	9.582	0.0	96	582611	48.8	
59 2-Hexanone	43	9.679	9.679	0.0	82	402485	53.7	
60 Chlorodibromomethane	129	9.880	9.880	0.0	89	313799	51.5	
61 Ethylene Dibromide	107	10.038	10.038	0.0	99	300628	49.3	
62 Chlorobenzene	112	10.689	10.689	0.0	95	857557	44.8	
63 1,1,1,2-Tetrachloroethane	131	10.792	10.792	0.0	85	323565	48.7	
64 Ethylbenzene	91	10.835	10.835	0.0	99	1581313	49.7	
65 m-Xylene & p-Xylene	91	10.993	10.993	0.0	0	2449106	99.4	
66 o-Xylene	91	11.534	11.534	0.0	92	1293078	48.8	
67 Styrene	104	11.553	11.553	0.0	83	1003852	50.6	
68 Bromoform	173	11.808	11.808	0.0	99	221837	52.9	
69 Isopropylbenzene	105	12.045	12.045	0.0	97	1391338	49.7	
71 1,1,2,2-Tetrachloroethane	83	12.459	12.459	0.0	98	458531	47.2	
70 Bromobenzene	156	12.477	12.477	0.0	94	407937	49.0	
72 1,2,3-Trichloropropane	75	12.526	12.526	0.0	87	575522	51.0	
73 trans-1,4-Dichloro-2-butene	53	12.538	12.538	0.0	55	170778	51.0	
74 N-Propylbenzene	91	12.629	12.629	0.0	98	1825992	49.1	
75 2-Chlorotoluene	91	12.751	12.751	0.0	97	1142027	49.2	
76 1,3,5-Trimethylbenzene	105	12.885	12.885	0.0	22	1310305	50.0	M
77 4-Chlorotoluene	91	12.909	12.909	0.0	92	1341547	48.1	
78 tert-Butylbenzene	119	13.347	13.347	0.0	92	1094203	49.8	
80 1,2,4-Trimethylbenzene	105	13.420	13.420	0.0	59	1356269	49.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.670	13.670	0.0	96	1575505	52.2	
82 1,3-Dichlorobenzene	146	13.828	13.828	0.0	96	741392	47.7	
79 4-Isopropyltoluene	119	13.877	13.877	0.0	96	1319199	51.9	
83 1,4-Dichlorobenzene	146	13.956	13.956	0.0	93	765944	45.5	
99 1,2,3-Trimethylbenzene	105	14.035	14.035	0.0	0	1404905	48.4	
84 n-Butylbenzene	91	14.479	14.479	0.0	98	1201416	51.1	
85 1,2-Dichlorobenzene	146	14.497	14.497	0.0	95	720027	45.9	
86 1,2-Dibromo-3-Chloropropane	157	15.635	15.635	0.0	60	87994	51.9	
87 1,2,4-Trichlorobenzene	180	16.864	16.864	0.0	93	451787	54.9	
88 Hexachlorobutadiene	225	17.125	17.125	0.0	96	292528	47.1	
89 Naphthalene	128	17.229	17.229	0.0	99	1095537	51.9	
90 1,2,3-Trichlorobenzene	180	17.587	17.587	0.0	95	465909	50.3	
S 91 Xylenes, Total	100				0		148.1	
S 92 Total 1,2-dichloroethene	100				0		95.7	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 15:30:02 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D

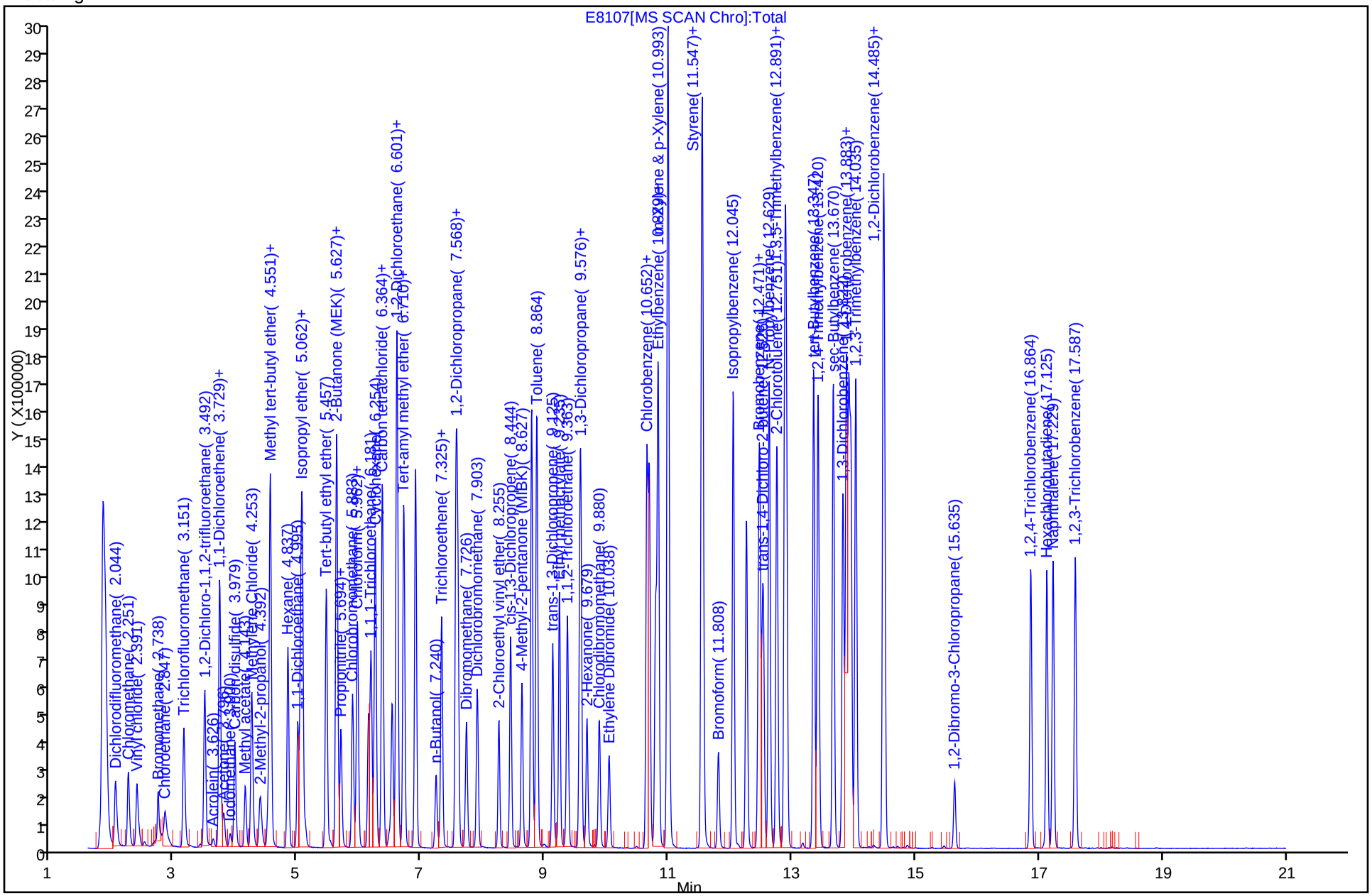
Injection Date: 08-Mar-2011 14:36:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 5

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 15:30:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

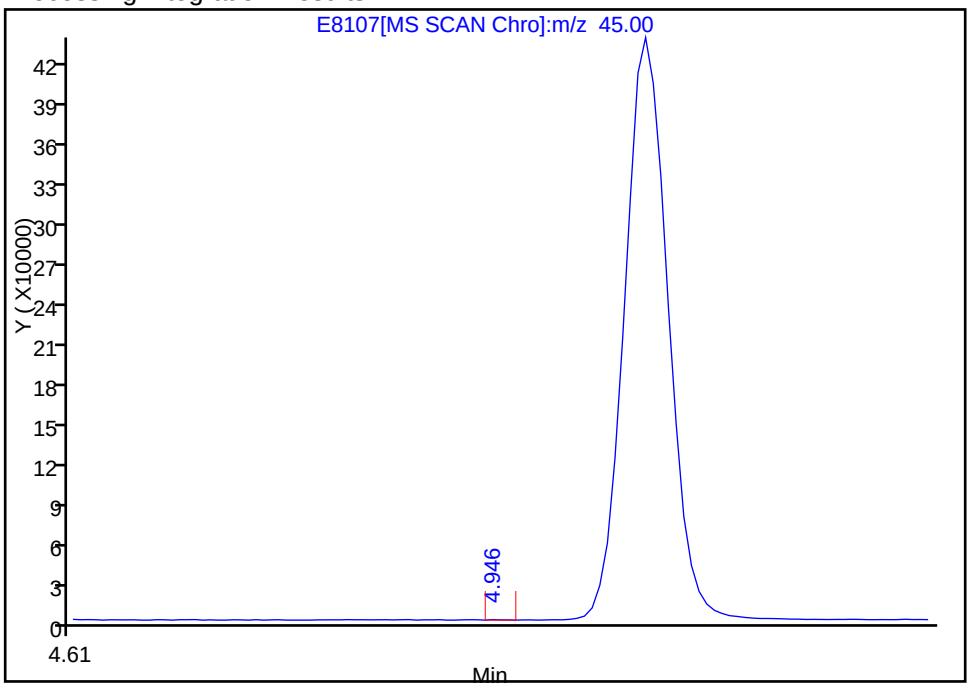
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D		
Injection Date:	08-Mar-2011 14:36:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	5
Operator ID:	WH		

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

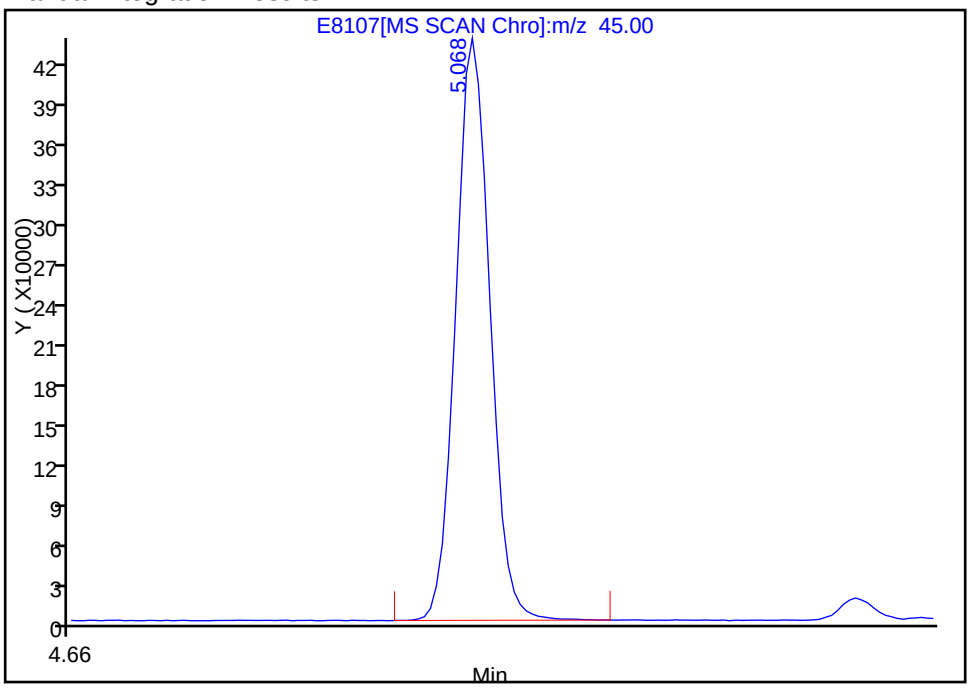
Processing Integration Results

RT: 4.95
Response: 264
Amount: 0.015088



Manual Integration Results

RT: 5.07
Response: 1040621
Amount: 45.843191



Reviewer: hallj, 08-Mar-2011 15:30:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 15:30:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

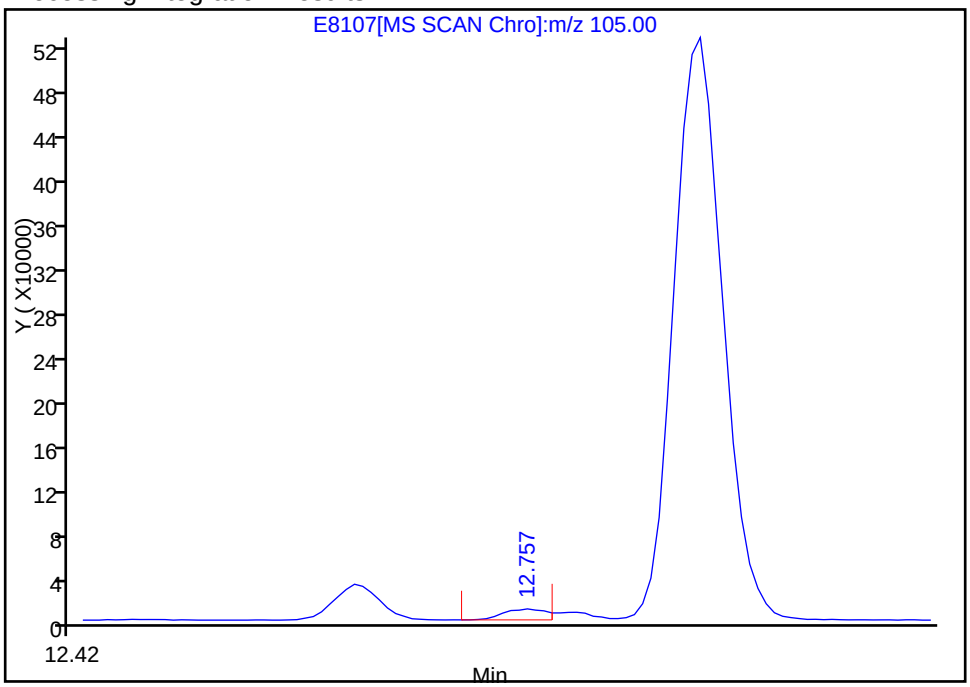
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D		
Injection Date:	08-Mar-2011 14:36:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	5
Operator ID:	WH		

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

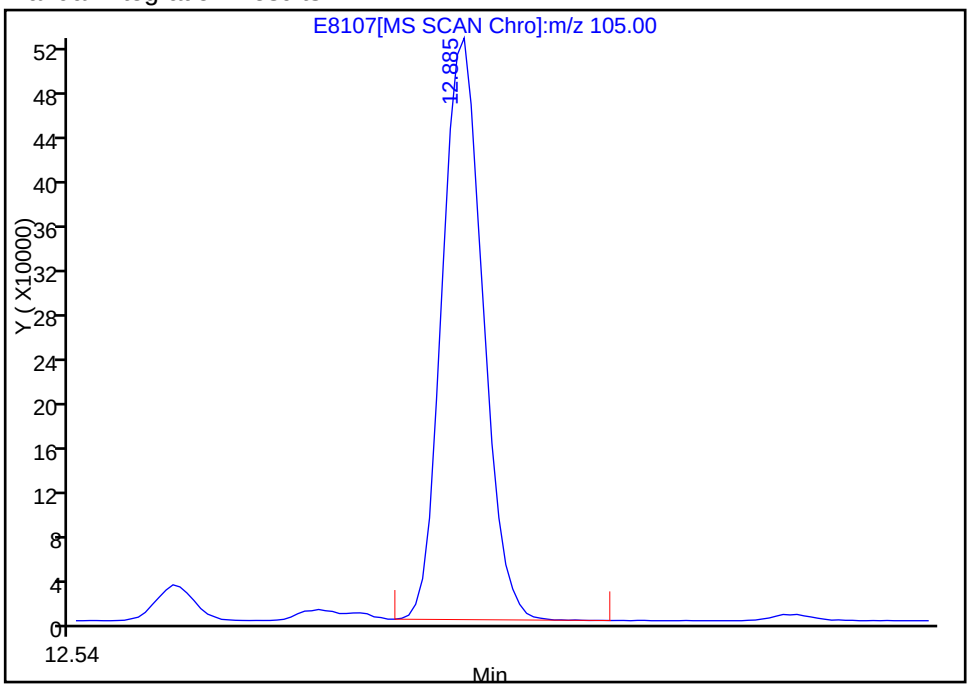
Processing Integration Results

RT: 12.76
Response: 22297
Amount: 1.127682



Manual Integration Results

RT: 12.88
Response: 1310305
Amount: 49.987863



Reviewer: hallj, 08-Mar-2011 15:30:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 15:30:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

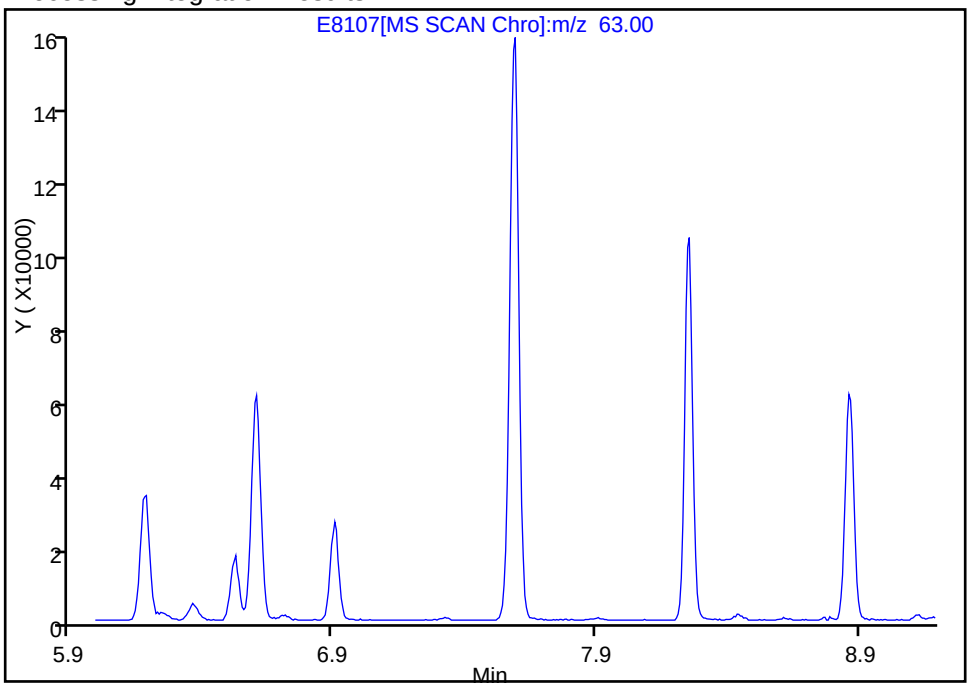
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8107.D
Injection Date: 08-Mar-2011 14:36:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 5
Operator ID: WH

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

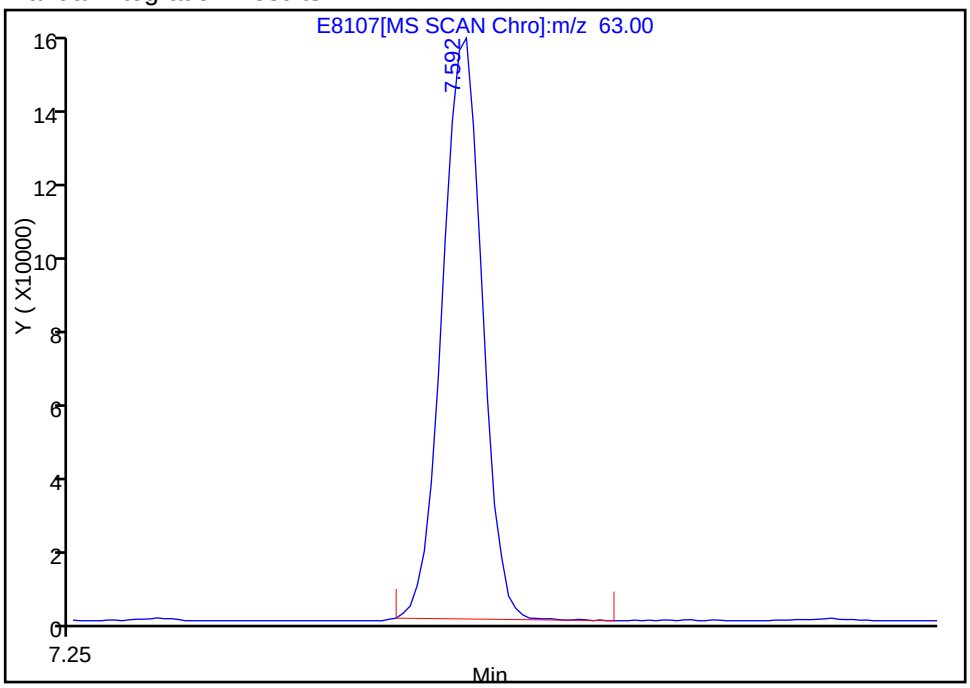
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 380595
Amount: 46.720628



Reviewer: hallj, 08-Mar-2011 15:30:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D		
Lims ID:	std100	Client ID:	
Inject. Date:	08-Mar-2011 15:10:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD100		
Misc. Info.:	510-0004493-006 =510-0004493-006		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	77032	Lims Sample ID:	6
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 16:37:53	Calib Date:	08-Mar-2011 15:44:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 16:34:20

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.897	6.897	0.0	97	1330669	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	956569	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.918	0.0	95	574825	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.520	6.520	0.0	0	449703	48.6	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	95	1283546	50.3	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	86	561929	51.4	
8 Dichlorodifluoromethane	85	2.037	2.037	0.0	87	762675	99.7	
9 Chloromethane	50	2.244	2.244	0.0	88	973307	112.5	
10 Vinyl chloride	62	2.390	2.390	0.0	82	848861	114.1	
11 Bromomethane	94	2.730	2.730	0.0	90	255845	97.6	
12 Chloroethane	64	2.840	2.840	0.0	98	343862	97.8	M
13 Trichlorofluoromethane	101	3.120	3.120	0.0	78	989826	96.5	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.473	3.473	0.0	94	747266	96.4	
15 Acrolein	56	3.619	3.619	0.0	88	63584	94.6	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.716	3.716	0.0	56	421942	97.5	
16 1,1-Dichloroethene	96	3.716	3.716	0.0	82	464123	105.6	
18 Acetone	58	3.801	3.801	0.0	99	99569	95.6	
19 Iodomethane	142	3.886	3.886	0.0	97	157721	96.1	
20 Carbon disulfide	76	3.959	3.959	0.0	100	1441044	101.9	
21 Methyl acetate	43	4.142	4.142	0.0	99	649625	84.3	
22 Methylene Chloride	84	4.245	4.245	0.0	99	568878	101.2	
24 Acrylonitrile	53	4.507	4.507	0.0	99	290732	87.4	
25 trans-1,2-Dichloroethene	96	4.537	4.537	0.0	86	522339	100.6	
26 Methyl tert-butyl ether	73	4.549	4.549	0.0	99	1505780	92.3	
23 2-Methyl-2-propanol	59	4.422	4.422	0.0	21	315765	266.1	M
27 Hexane	57	4.829	4.829	0.0	95	836493	110.2	
28 1,1-Dichloroethane	63	4.987	4.987	0.0	82	1062478	97.6	
29 Vinyl acetate	43	5.042	5.042	0.0	99	3235741	180.2	
30 Isopropyl ether	45	5.066	5.066	0.0	1	2023925	93.4	M
31 Tert-butyl ethyl ether	59	5.456	5.456	0.0	95	1789168	100.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
33 2,2-Dichloropropane	77	5.620	5.620	0.0	73	1019011	109.1	
32 cis-1,2-Dichloroethene	96	5.620	5.620	0.0	83	742167	100.6	
34 2-Butanone (MEK)	72	5.638	5.638	0.0	99	134304	94.0	
105 Ethyl acetate	43	5.693	5.693	0.0	0	1019119	94.0	
93 Propionitrile	54	5.705	5.705	0.0	0	150661	92.0	
35 Chlorobromomethane	130	5.882	5.882	0.0	91	420533	94.0	
95 Tetrahydrofuran	42	5.948	5.948	0.0	0	315836	88.5	
36 Chloroform	83	5.961	5.961	0.0	66	1223790	95.9	
37 1,1,1-Trichloroethane	97	6.174	6.174	0.0	97	1086097	103.5	
38 Cyclohexane	84	6.247	6.247	0.0	95	1021473	108.5	
39 1,1-Dichloropropene	75	6.356	6.356	0.0	90	954983	107.1	
40 Carbon tetrachloride	117	6.368	6.368	0.0	87	958595	105.9	
41 Benzene	78	6.593	6.593	0.0	96	2673589	107.3	
42 1,2-Dichloroethane	62	6.605	6.605	0.0	68	1129935	92.4	
43 Isobutyl alcohol	41	6.709	6.709	0.0	46	345249	91.7	
44 Tert-amyl methyl ether	73	6.709	6.709	0.0	89	1722385	101.3	
102 n-Butanol	56	7.256	7.256	0.0	0	374086	1207.0	
45 Trichloroethene	132	7.323	7.323	0.0	89	664909	99.9	
46 Methylcyclohexane	83	7.555	7.555	0.0	95	1238664	112.7	
47 1,2-Dichloropropane	63	7.585	7.585	0.0	0	784824	98.3	M
48 Dibromomethane	93	7.725	7.725	0.0	95	405906	94.5	
49 Dichlorobromomethane	83	7.901	7.901	0.0	99	938507	101.9	
50 2-Chloroethyl vinyl ether	63	8.254	8.254	0.0	92	444777	199.7	
54 cis-1,3-Dichloropropene	75	8.443	8.443	0.0	91	1060850	109.7	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.625	0.0	98	980269	99.9	
53 Toluene	91	8.869	8.869	0.0	96	2711099	103.0	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	97	987825	110.0	
55 Ethyl methacrylate	69	9.234	9.234	0.0	68	1129402	106.5	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	90	525457	94.0	
57 Tetrachloroethene	164	9.568	9.568	0.0	86	570774	102.8	
58 1,3-Dichloropropane	76	9.580	9.580	0.0	96	1128226	96.7	
59 2-Hexanone	43	9.684	9.684	0.0	98	804723	102.1	
60 Chlorodibromomethane	129	9.878	9.878	0.0	89	642247	103.7	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	600735	99.2	
62 Chlorobenzene	112	10.687	10.687	0.0	95	1724033	106.9	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	85	665287	99.8	
64 Ethylbenzene	91	10.833	10.833	0.0	98	3186583	108.8	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	4774566	206.8	
66 o-Xylene	91	11.539	11.539	0.0	90	2673993	101.3	
67 Styrene	104	11.557	11.557	0.0	83	2071058	103.4	
68 Bromoform	173	11.807	11.807	0.0	99	471130	106.4	
69 Isopropylbenzene	105	12.050	12.050	0.0	96	2924929	110.6	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	97	890507	92.5	
70 Bromobenzene	156	12.476	12.476	0.0	94	847781	100.6	
72 1,2,3-Trichloropropane	75	12.525	12.525	0.0	88	1167332	100.1	
73 trans-1,4-Dichloro-2-butene	53	12.543	12.543	0.0	59	361399	102.8	
74 N-Propylbenzene	91	12.634	12.634	0.0	96	3713017	100.3	
75 2-Chlorotoluene	91	12.756	12.756	0.0	97	2402111	102.4	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	22	2742208	103.3	M
77 4-Chlorotoluene	91	12.908	12.908	0.0	92	2773716	99.5	
78 tert-Butylbenzene	119	13.352	13.352	0.0	92	2353089	112.9	
80 1,2,4-Trimethylbenzene	105	13.425	13.425	0.0	48	2818508	109.9	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	81 sec-Butylbenzene	105	13.668	13.668	0.0	96	3283821	106.3	
	82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	94	1552509	99.5	
	79 4-Isopropyltoluene	119	13.881	13.881	0.0	95	2814112	107.2	
	83 1,4-Dichlorobenzene	146	13.954	13.954	0.0	90	1584663	95.5	
	99 1,2,3-Trimethylbenzene	105	14.033	14.033	0.0	0	2890113	99.6	
	84 n-Butylbenzene	91	14.477	14.477	0.0	96	2562700	106.1	
	85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	92	1463421	94.9	
	86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	62	183552	103.4	
	87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	94	967470	110.4	
	88 Hexachlorobutadiene	225	17.130	17.130	0.0	97	666041	104.9	
	89 Naphthalene	128	17.227	17.227	0.0	99	2099802	98.7	
	90 1,2,3-Trichlorobenzene	180	17.592	17.592	0.0	95	946688	100.7	
S	91 Xylenes, Total	100				0		308.1	
S	92 Total 1,2-dichloroethene	100				0		201.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D

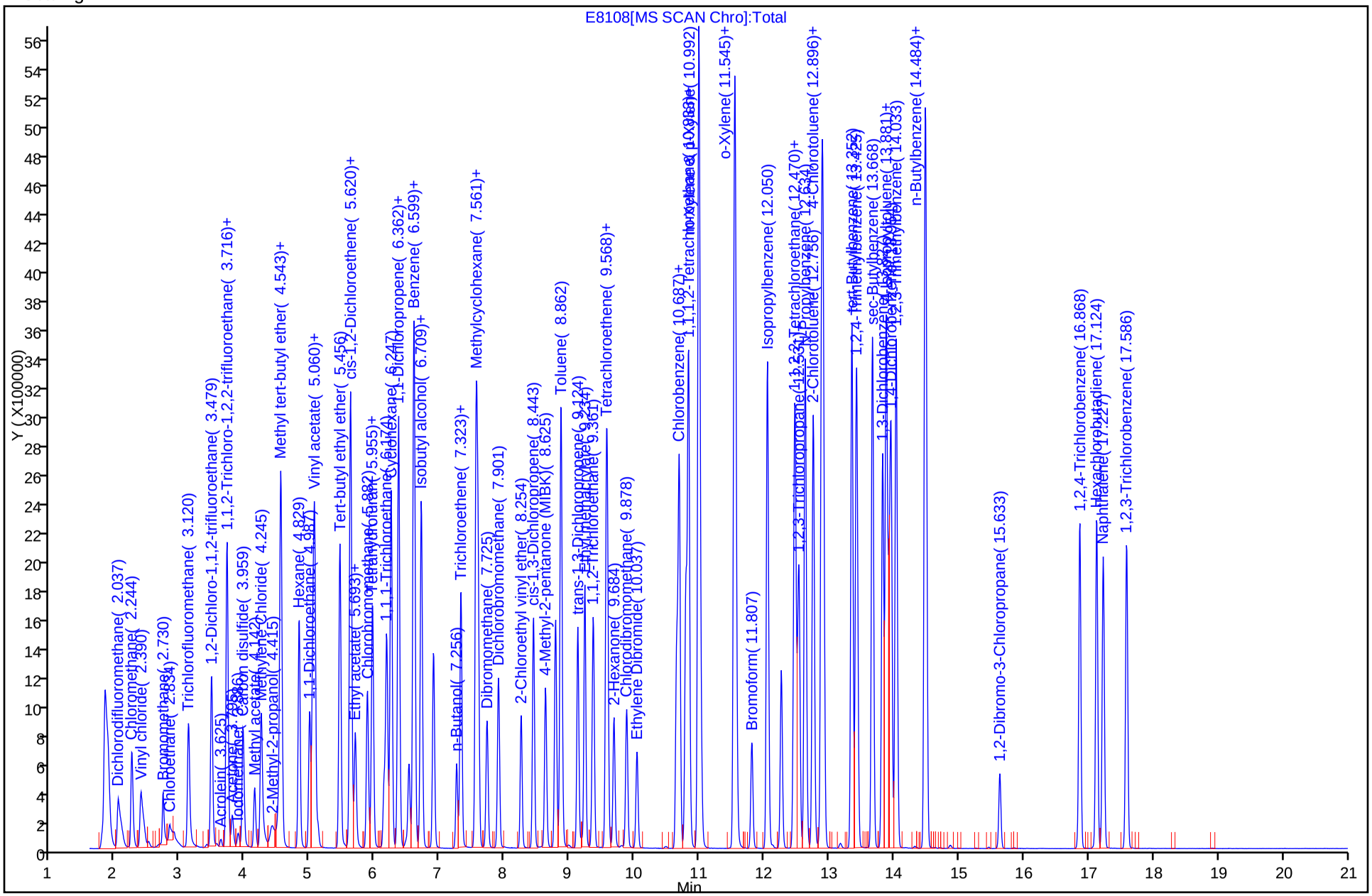
Injection Date: 08-Mar-2011 15:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 6

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D

Injection Date: 08-Mar-2011 15:10:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

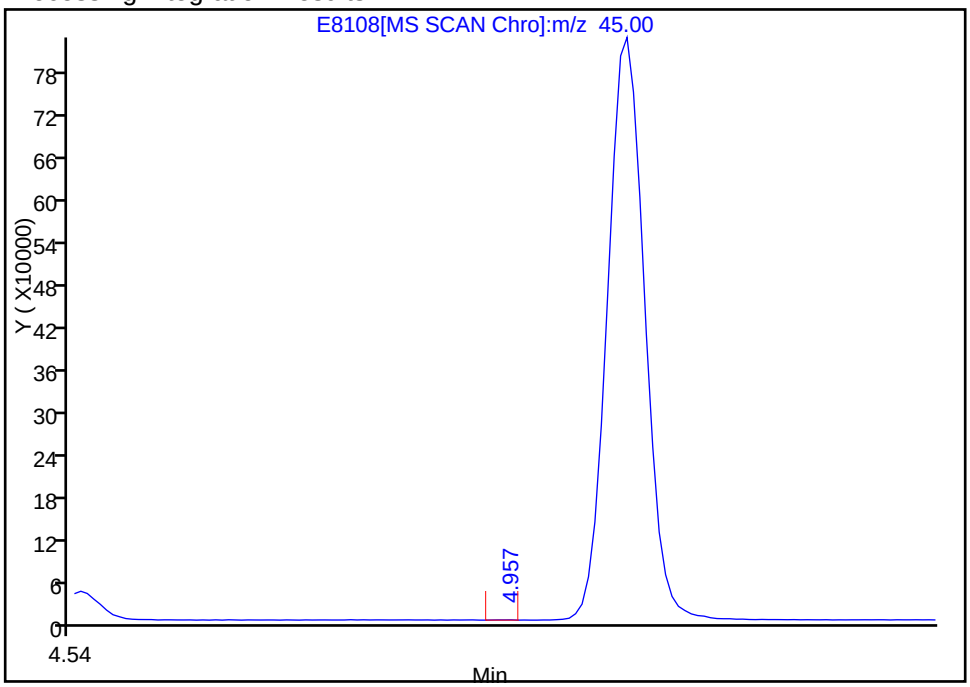
Lims Batch ID: 77032 Lims Sample ID: 6

Operator ID: WH

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

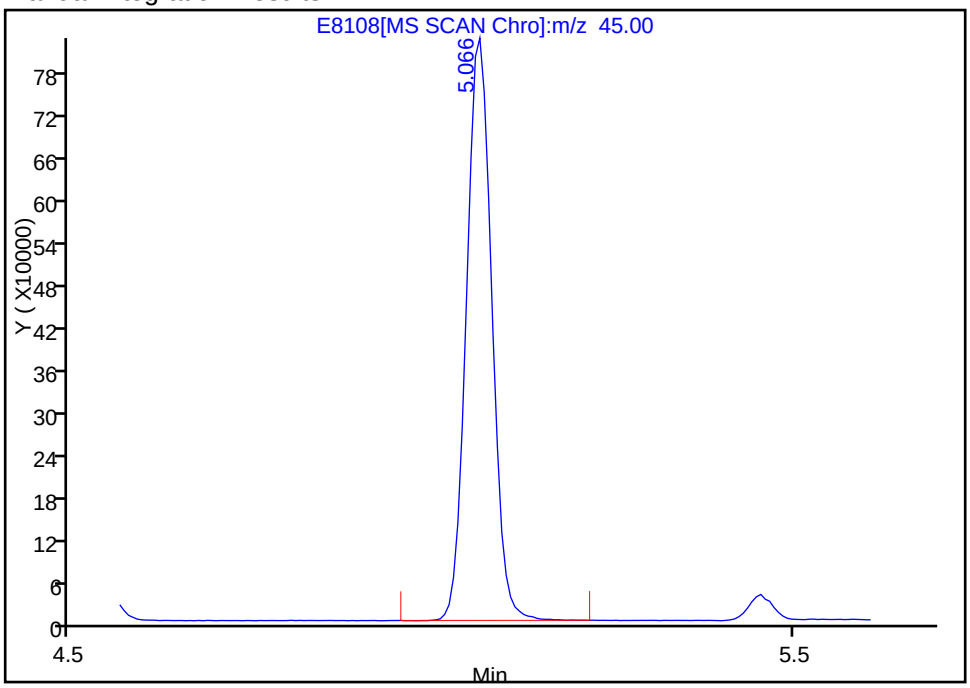
Processing Integration Results

RT: 4.96
Response: 414
Amount: 0.027227



Manual Integration Results

RT: 5.07
Response: 2023925
Amount: 93.354044



Reviewer: hallj, 08-Mar-2011 16:34:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

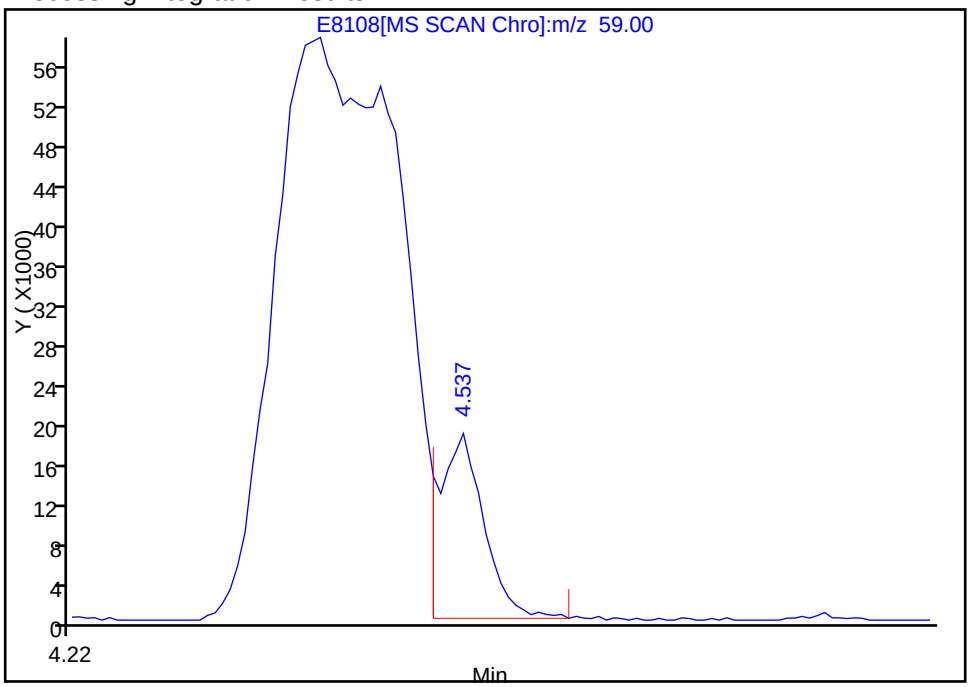
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D		
Injection Date:	08-Mar-2011 15:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	6
Operator ID:	WH		

23 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 4.42

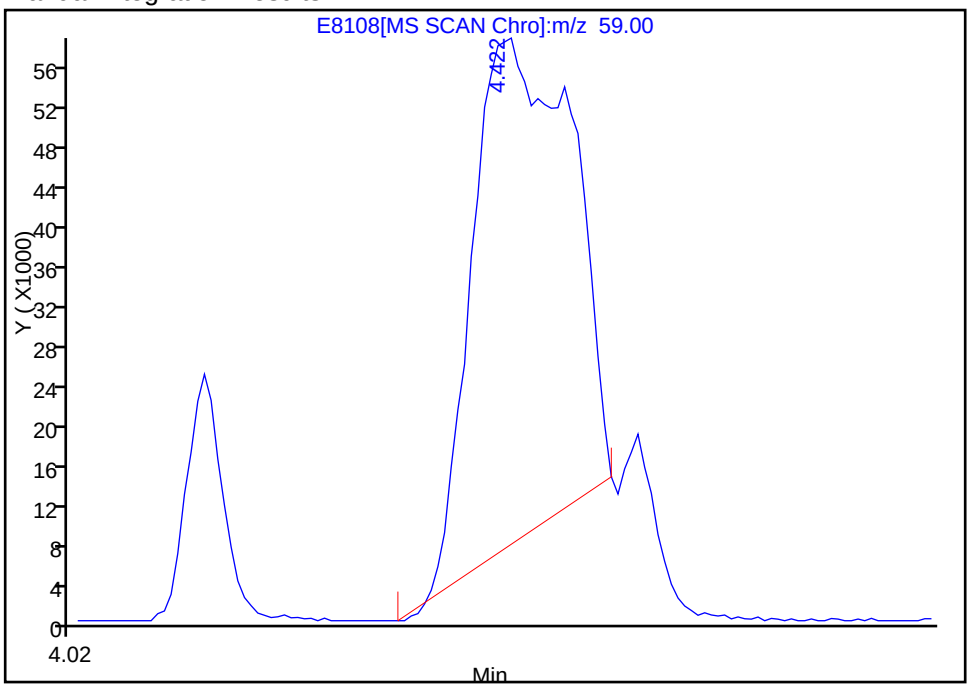
Processing Integration Results

RT: 4.54
Response: 47144
Amount: 43.868802



Manual Integration Results

RT: 4.42
Response: 315765
Amount: 266.1126



Reviewer: hallj, 08-Mar-2011 16:37:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

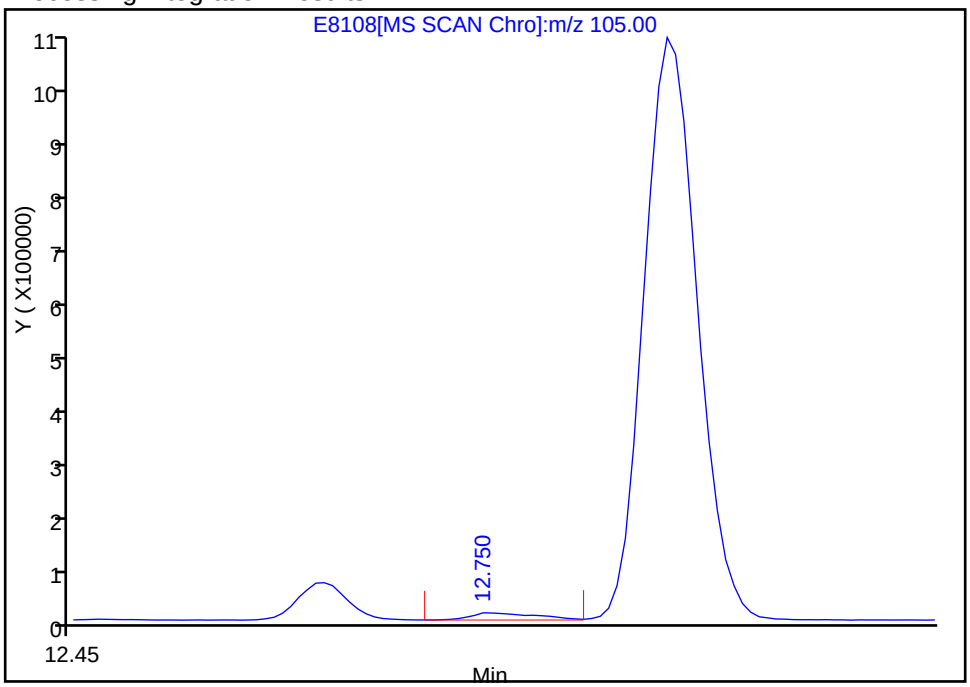
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D		
Injection Date:	08-Mar-2011 15:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	6
Operator ID:	WH		

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

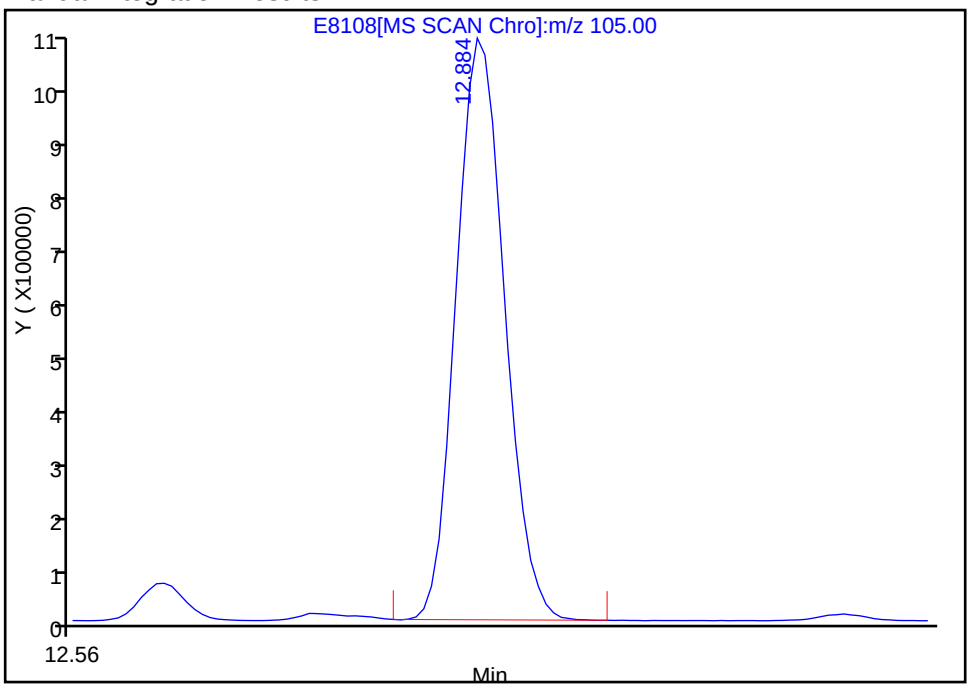
Processing Integration Results

RT: 12.75
Response: 42381
Amount: 1.944302



Manual Integration Results

RT: 12.88
Response: 2742208
Amount: 103.3148



Reviewer: hallj, 08-Mar-2011 16:34:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

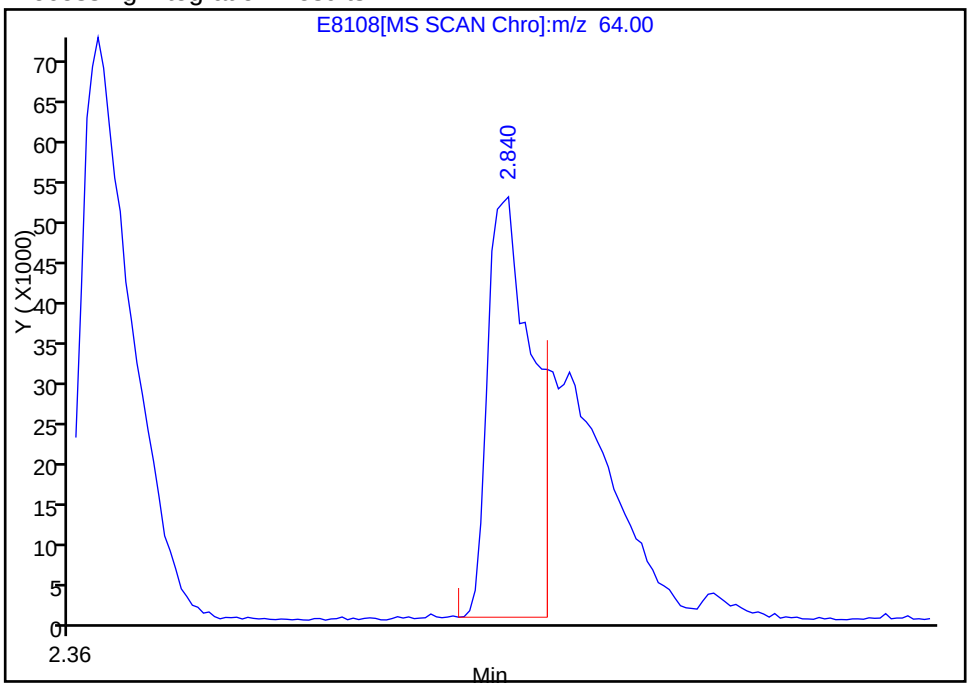
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D		
Injection Date:	08-Mar-2011 15:10:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	6
Operator ID:	WH		

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.84

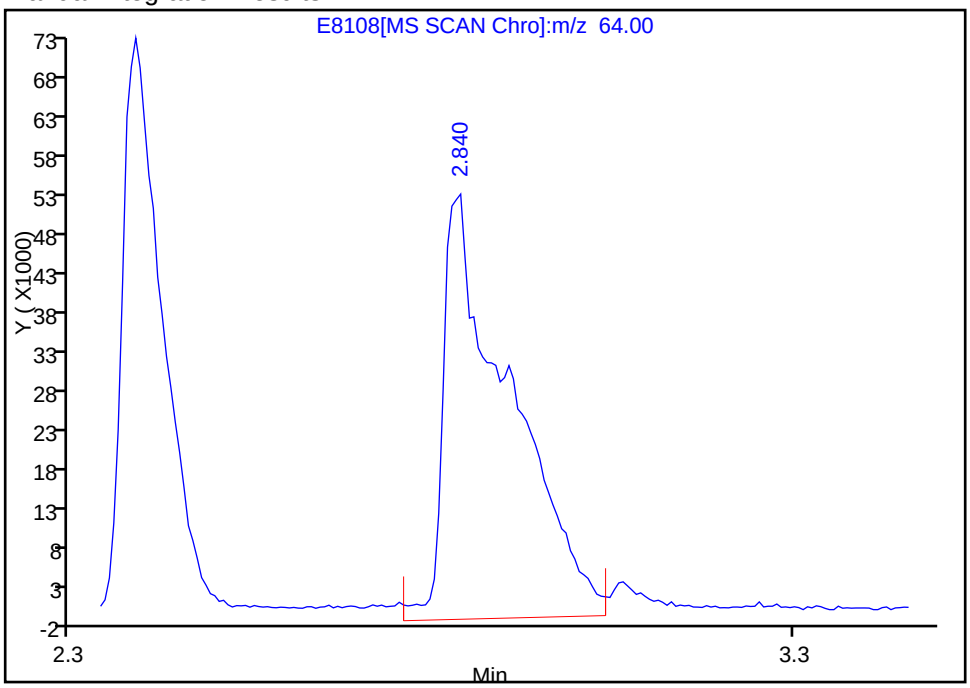
Processing Integration Results

RT: 2.84
Response: 176571
Amount: 49.658597



Manual Integration Results

RT: 2.84
Response: 343862
Amount: 97.766189



Reviewer: hallj, 08-Mar-2011 16:34:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:37:54 Chrom Revision: 1.2 17-Feb-2011 18:05:56

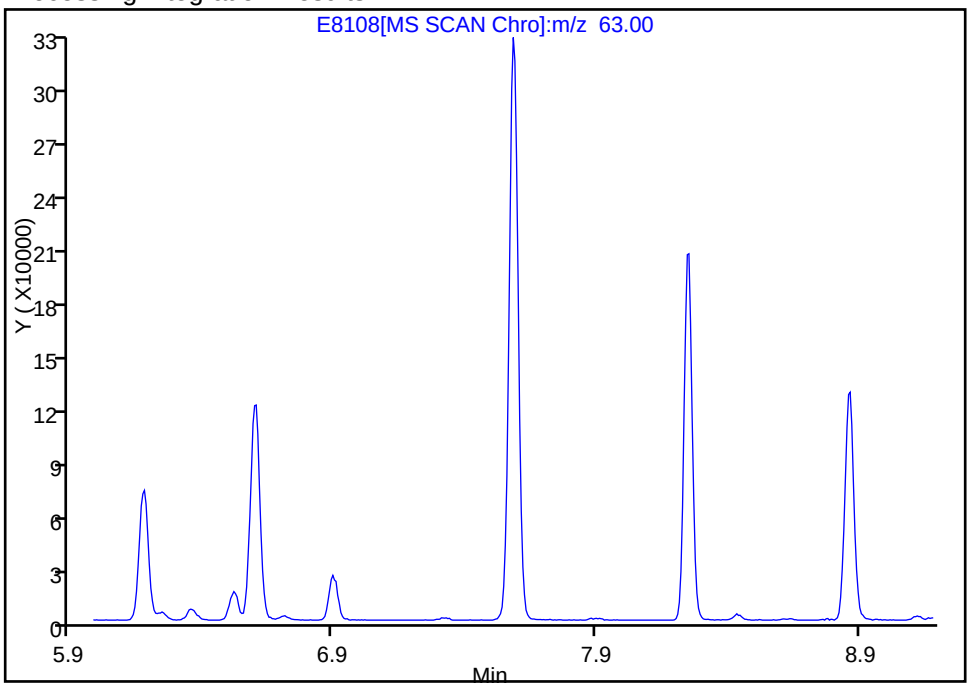
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8108.D
Injection Date: 08-Mar-2011 15:10:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 6
Operator ID: WH

47 1,2-Dichloropropane, Signal: 1, m/z: 63.0 Type: quant, RT: 7.58

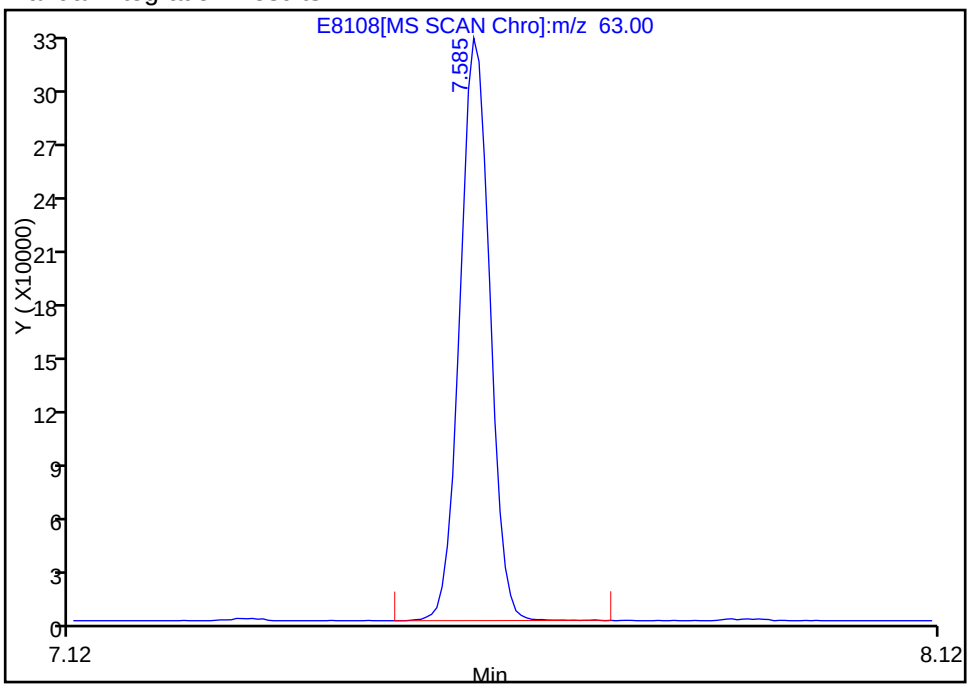
Not Detected
Expected RT: 7.58

Processing Integration Results



Manual Integration Results

RT: 7.58
Response: 784824
Amount: 98.290434



Reviewer: hallj, 08-Mar-2011 16:34:20
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Lims ID:	std150	Client ID:	
Inject. Date:	08-Mar-2011 15:44:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD150		
Misc. Info.:	510-0004493-007 =510-0004493-007		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	77032	Lims Sample ID:	7
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 16:36:26	Calib Date:	08-Mar-2011 15:44:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 16:36:26

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.898	6.897	0.001	97	1337829	50.0	
* 2 Chlorobenzene-d5	117	10.652	10.651	0.001	90	974270	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.925	13.925	0.0	0	605141	50.0	M
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.521	6.520	0.001	0	459008	49.3	
$ 6 Toluene-d8 (Surr)	98	8.778	8.783	-0.005	94	1302560	50.7	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	86	578098	50.2	
8 Dichlorodifluoromethane	85	2.074	2.037	0.037	87	1082170	140.6	
9 Chloromethane	50	2.244	2.244	0.0	87	1419971	163.2	
10 Vinyl chloride	62	2.427	2.390	0.037	81	1315221	175.9	
11 Bromomethane	94	2.725	2.730	-0.005	90	349435	132.6	
12 Chloroethane	64	2.902	2.902	0.0	100	410678	155.7	M
13 Trichlorofluoromethane	101	3.090	3.120	-0.030	77	1431931	138.9	
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.467	3.473	-0.005	82	1078577	138.4	
15 Acrolein	56	3.613	3.619	-0.005	91	97054	143.7	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.698	3.716	-0.018	59	628071	144.4	
16 1,1-Dichloroethene	96	3.698	3.716	-0.018	83	648351	146.9	
18 Acetone	58	3.802	3.801	0.001	99	178131	151.3	
19 Iodomethane	142	3.875	3.886	-0.011	98	233601	141.6	
20 Carbon disulfide	76	3.948	3.959	-0.011	99	2015683	141.8	
21 Methyl acetate	43	4.143	4.142	0.001	98	998596	128.9	
22 Methylene Chloride	84	4.234	4.245	-0.011	98	821229	90.0	
24 Acrylonitrile	53	4.508	4.507	0.001	87	444033	132.7	
23 2-Methyl-2-propanol	59	4.562	4.562	0.0	96	412194	381.5	M
25 trans-1,2-Dichloroethene	96	4.532	4.537	-0.005	92	738188	141.5	
26 Methyl tert-butyl ether	73	4.550	4.549	0.001	97	2225619	135.7	
27 Hexane	57	4.818	4.829	-0.011	95	1092388	144.0	
28 1,1-Dichloroethane	63	4.982	4.987	-0.005	82	1483251	135.5	
29 Vinyl acetate	43	5.037	5.042	-0.005	99	4522430	250.6	
30 Isopropyl ether	45	5.067	5.067	0.0	20	2807115	128.8	M
31 Tert-butyl ethyl ether	59	5.457	5.456	0.001	93	2639095	147.4	

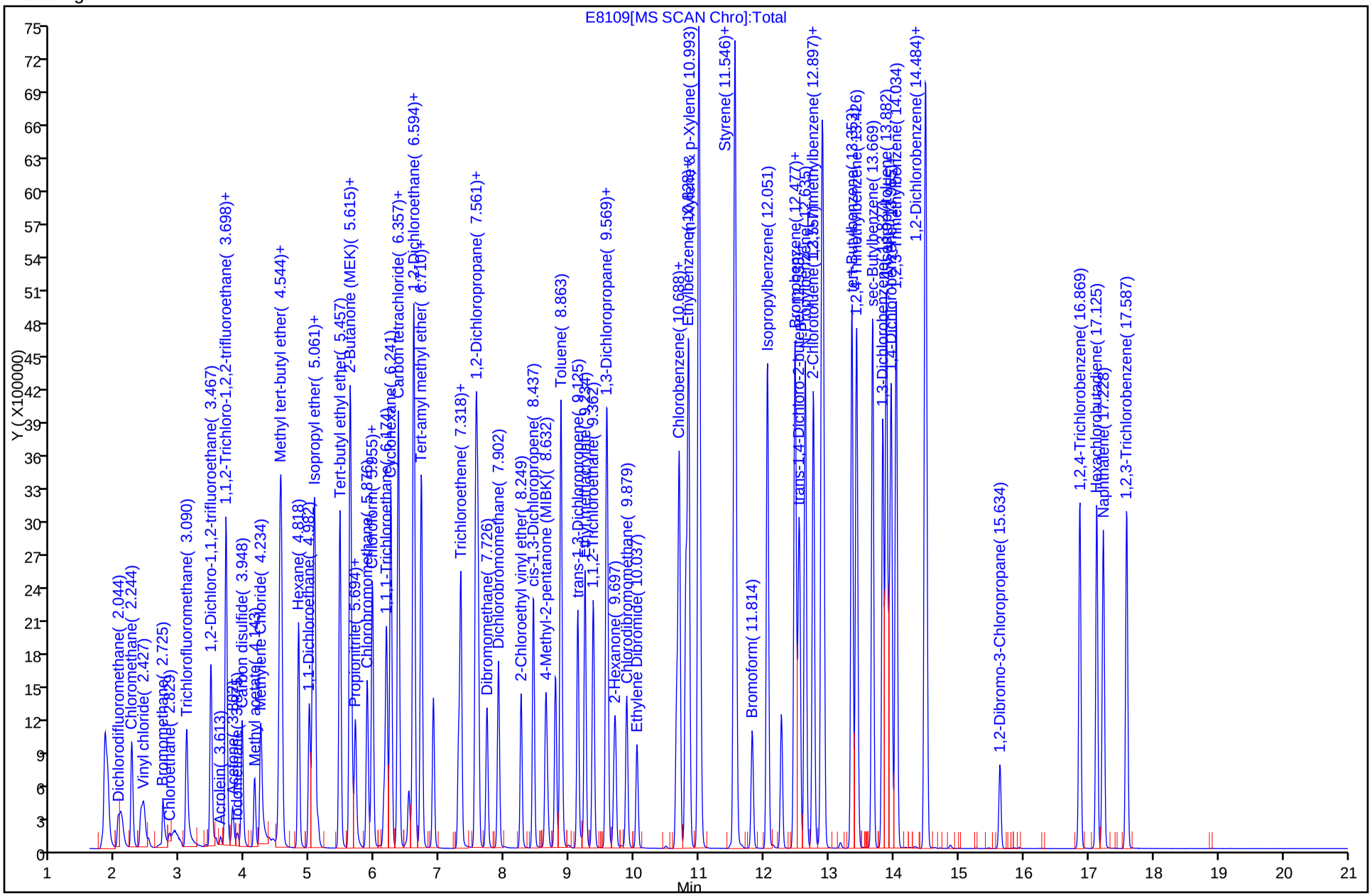
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
33 2,2-Dichloropropane	77	5.615	5.620	-0.005	72	1436528	153.0	
32 cis-1,2-Dichloroethene	96	5.615	5.620	-0.005	83	1033479	139.4	
34 2-Butanone (MEK)	72	5.645	5.638	0.007	100	224143	156.0	
105 Ethyl acetate	43	5.694	5.693	0.001	0	1631826	149.7	
93 Propionitrile	54	5.712	5.705	0.007	0	233463	135.4	
35 Chlorobromomethane	130	5.876	5.882	-0.006	91	608401	135.3	
95 Tetrahydrofuran	42	5.949	5.948	0.001	0	489937	130.4	
36 Chloroform	83	5.961	5.961	0.0	66	1700701	132.6	
37 1,1,1-Trichloroethane	97	6.174	6.174	0.0	98	1500318	142.1	
38 Cyclohexane	84	6.241	6.247	-0.006	94	1369055	144.7	
39 1,1-Dichloropropene	75	6.357	6.356	0.001	91	1316407	146.8	
40 Carbon tetrachloride	117	6.363	6.368	-0.005	86	1322128	145.3	
41 Benzene	78	6.594	6.593	0.001	95	3576796	144.4	
42 1,2-Dichloroethane	62	6.606	6.605	0.001	77	1606456	130.7	
43 Isobutyl alcohol	41	6.710	6.709	0.001	46	499090	131.8	
44 Tert-amyl methyl ether	73	6.710	6.709	0.001	88	2532539	148.1	
102 n-Butanol	56	7.282	7.256	0.026	0	598531	1920.8	
45 Trichloroethene	132	7.324	7.323	0.001	89	911293	136.2	
46 Methylcyclohexane	83	7.555	7.555	0.001	94	1632120	147.7	
47 1,2-Dichloropropane	63	7.586	7.586	0.0	0	1104132	137.5	M
48 Dibromomethane	93	7.726	7.725	0.001	96	591481	137.0	
49 Dichlorobromomethane	83	7.902	7.901	0.001	98	1337571	144.4	
50 2-Chloroethyl vinyl ether	63	8.249	8.254	-0.005	91	695673	307.7	
54 cis-1,3-Dichloropropene	75	8.437	8.443	-0.006	91	1532768	157.6	
52 4-Methyl-2-pentanone (MIBK)	43	8.632	8.625	0.007	98	1556647	157.9	
53 Toluene	91	8.863	8.869	-0.006	96	3602093	148.7	
51 trans-1,3-Dichloropropene	75	9.125	9.124	0.001	96	1451024	160.8	
55 Ethyl methacrylate	69	9.234	9.234	0.0	85	1669022	156.5	
56 1,1,2-Trichloroethane	83	9.362	9.361	0.001	90	762545	135.6	
57 Tetrachloroethene	164	9.563	9.568	-0.005	89	780308	139.7	
58 1,3-Dichloropropane	76	9.581	9.580	0.001	96	1626695	138.6	
59 2-Hexanone	43	9.697	9.684	0.013	81	1372660	173.3	
60 Chlorodibromomethane	129	9.879	9.878	0.001	89	940518	151.1	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	882669	144.9	
62 Chlorobenzene	112	10.688	10.687	0.001	93	2355679	144.8	
63 1,1,1,2-Tetrachloroethane	131	10.792	10.791	0.001	86	950541	140.0	
64 Ethylbenzene	91	10.834	10.833	0.001	97	4233571	143.3	
65 m-Xylene & p-Xylene	91	10.993	10.992	0.0	0	6175976	296.7	
66 o-Xylene	91	11.540	11.539	0.001	89	3598467	133.8	
67 Styrene	104	11.558	11.557	0.001	81	2837937	139.2	
68 Bromoform	173	11.814	11.807	0.007	99	723219	160.4	
69 Isopropylbenzene	105	12.051	12.050	0.001	95	3887385	144.3	
71 1,1,2,2-Tetrachloroethane	83	12.465	12.458	0.007	95	1353002	133.6	
70 Bromobenzene	156	12.483	12.476	0.007	95	1199777	135.2	
72 1,2,3-Trichloropropane	75	12.538	12.525	0.013	87	1816450	148.0	
73 trans-1,4-Dichloro-2-butene	53	12.550	12.543	0.007	59	570376	154.1	
74 N-Propylbenzene	91	12.635	12.634	0.001	95	4867007	124.9	
75 2-Chlorotoluene	91	12.757	12.756	0.001	97	3266419	132.3	
76 1,3,5-Trimethylbenzene	105	12.884	12.884	0.0	21	3674211	131.5	M
77 4-Chlorotoluene	91	12.909	12.908	0.001	93	3791907	129.2	
78 tert-Butylbenzene	119	13.353	13.352	0.001	91	3165765	144.3	
80 1,2,4-Trimethylbenzene	105	13.426	13.425	0.001	48	3817381	142.8	

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	96	4350914	133.8	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	92	2158830	131.4	
79 4-Isopropyltoluene	119	13.882	13.881	0.001	94	3789707	137.2	
83 1,4-Dichlorobenzene	146	13.961	13.954	0.007	89	2218551	127.0	
99 1,2,3-Trimethylbenzene	105	14.034	14.033	0.001	0	3961552	129.6	
84 n-Butylbenzene	91	14.478	14.477	0.001	94	3465803	136.3	
85 1,2-Dichlorobenzene	146	14.503	14.496	0.007	91	2049509	126.3	
86 1,2-Dibromo-3-Chloropropane	157	15.634	15.633	0.001	61	283276	151.6	
87 1,2,4-Trichlorobenzene	180	16.869	16.868	0.001	94	1387791	150.5	
88 Hexachlorobutadiene	225	17.131	17.130	0.001	97	900722	134.8	
89 Naphthalene	128	17.228	17.227	0.001	98	3042349	135.9	
90 1,2,3-Trichlorobenzene	180	17.593	17.592	0.001	94	1356817	137.1	
S 91 Xylenes, Total	100				0		430.5	
S 92 Total 1,2-dichloroethene	100				0		280.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D
Injection Date: 08-Mar-2011 15:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 7
Operator ID: WH
Y Scaling:



Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

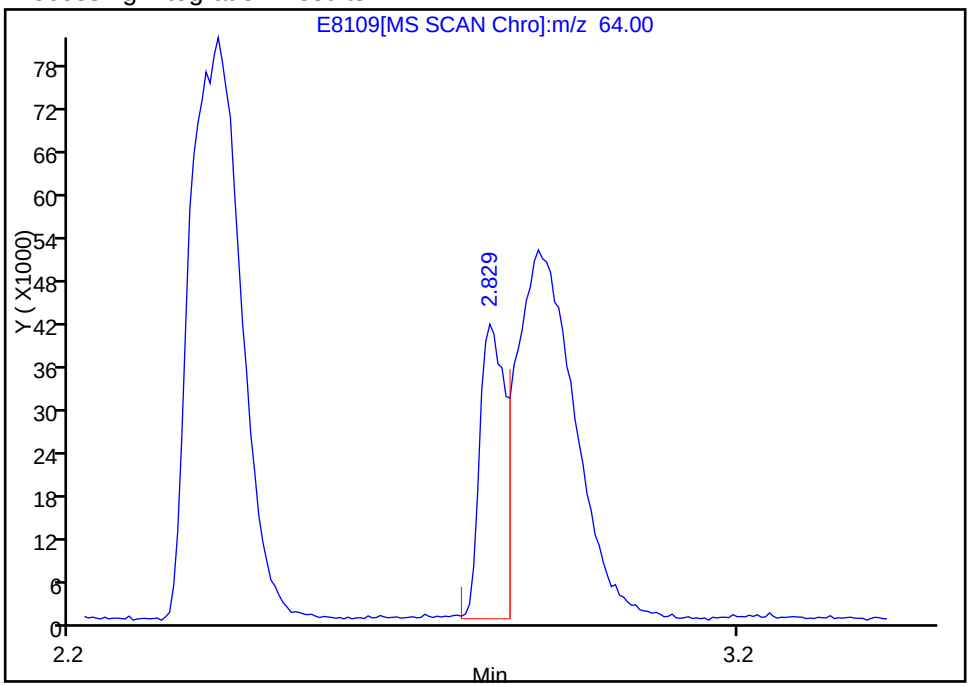
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Injection Date:	08-Mar-2011 15:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	7
Operator ID:	WH		

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.90

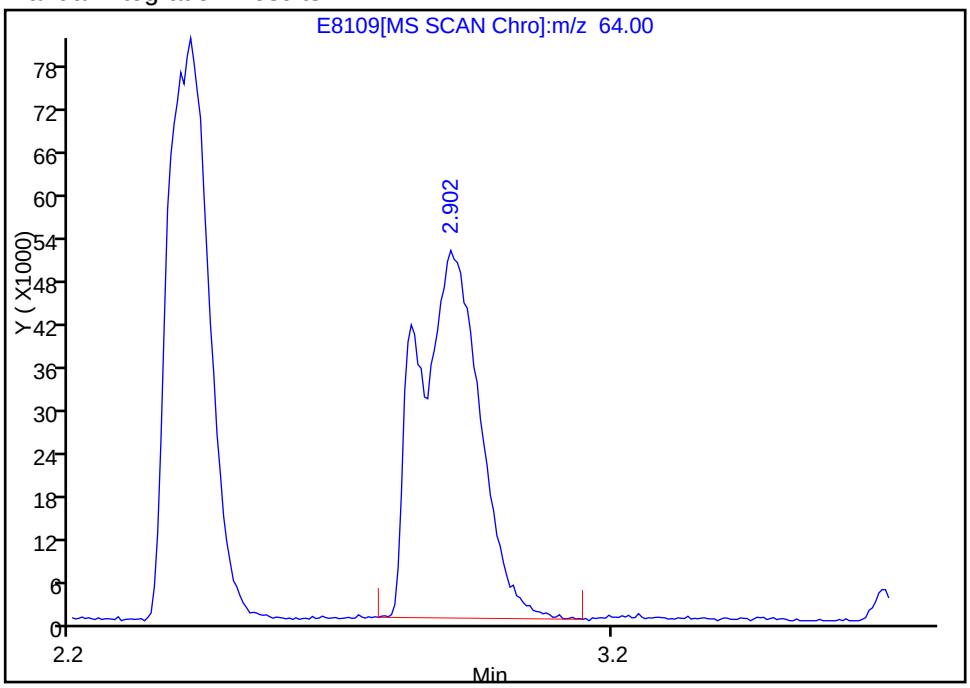
Processing Integration Results

RT: 2.83
Response: 113640
Amount: 29.477457



Manual Integration Results

RT: 2.90
Response: 410678
Amount: 155.6699



Reviewer: hallj, 08-Mar-2011 16:36:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D

Injection Date: 08-Mar-2011 15:44:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 7

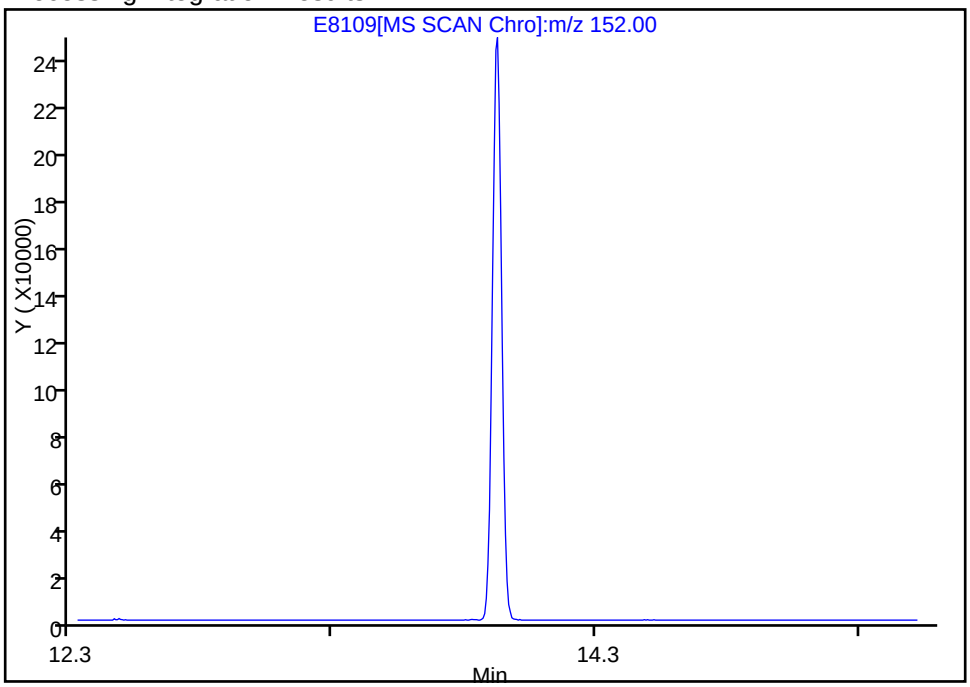
Operator ID: WH

* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

Not Detected

Expected RT: 13.92

Processing Integration Results

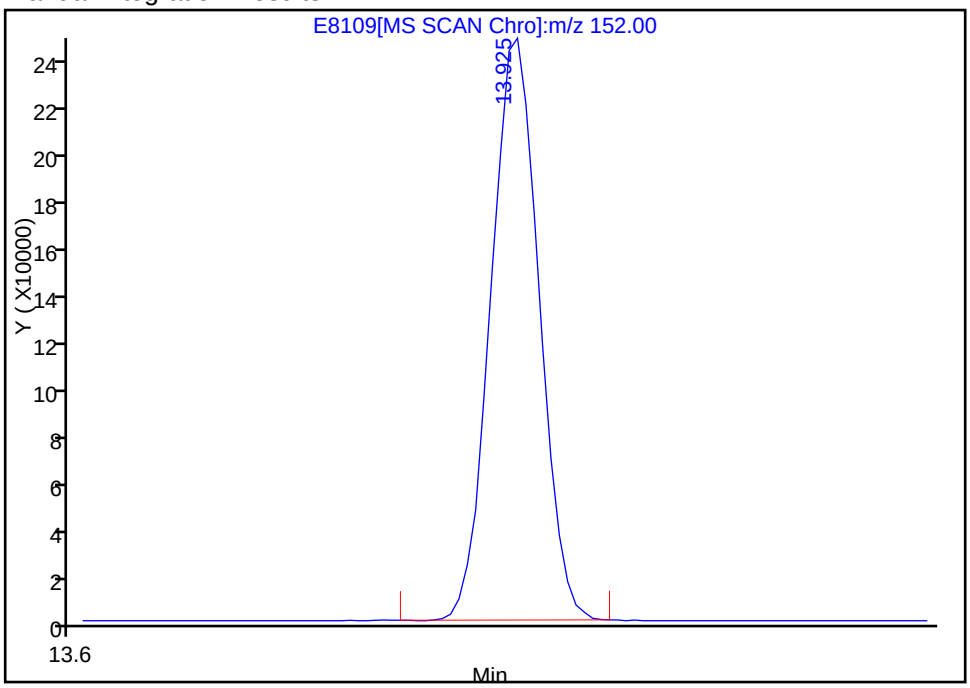


Manual Integration Results

RT: 13.92

Response: 605141

Amount: 50.000000



Reviewer: hallj, 08-Mar-2011 16:36:26

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

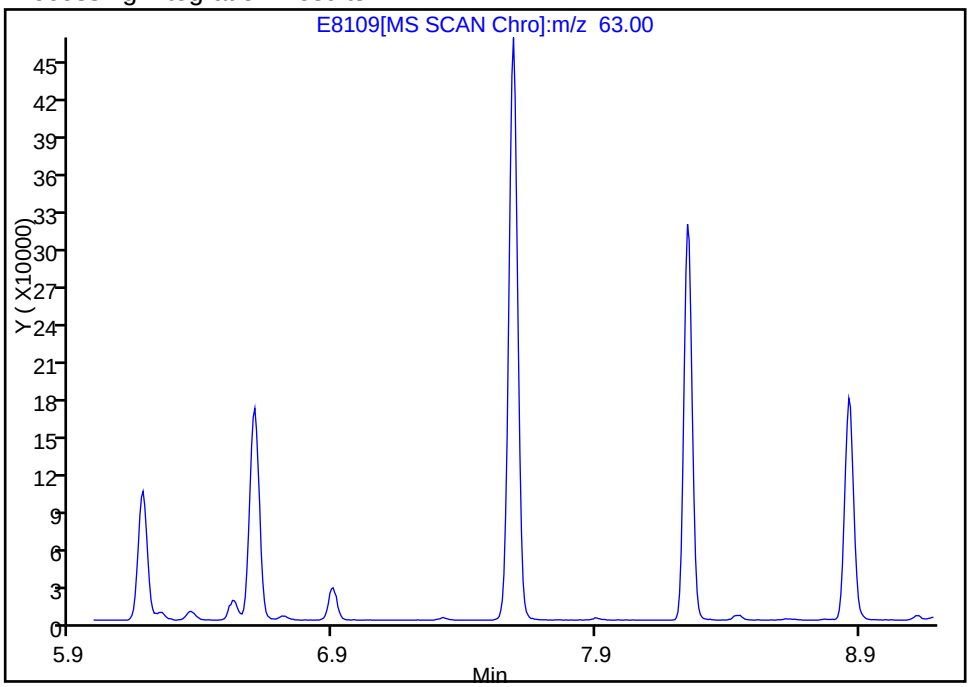
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D
Injection Date: 08-Mar-2011 15:44:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 7
Operator ID: WH

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

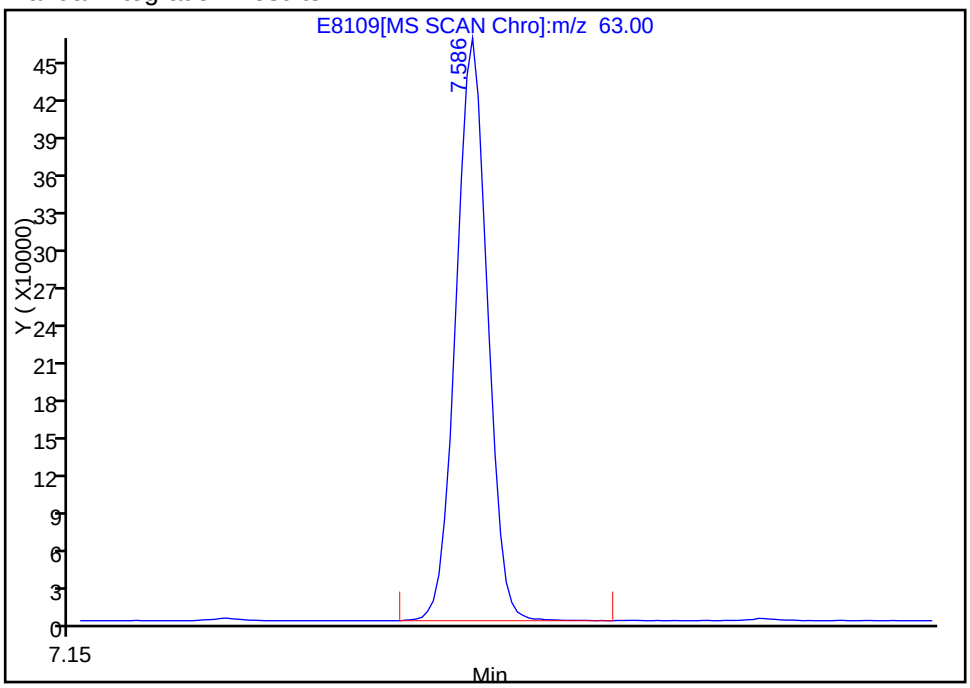
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 1104132
Amount: 137.5401



Reviewer: hallj, 08-Mar-2011 16:36:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

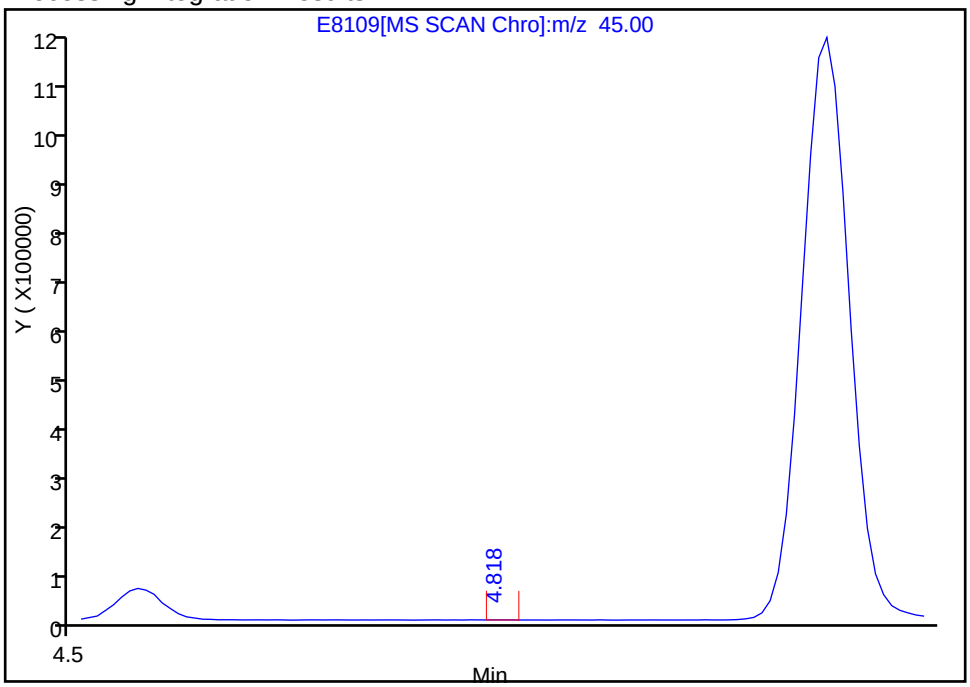
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Injection Date:	08-Mar-2011 15:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	7
Operator ID:	WH		

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

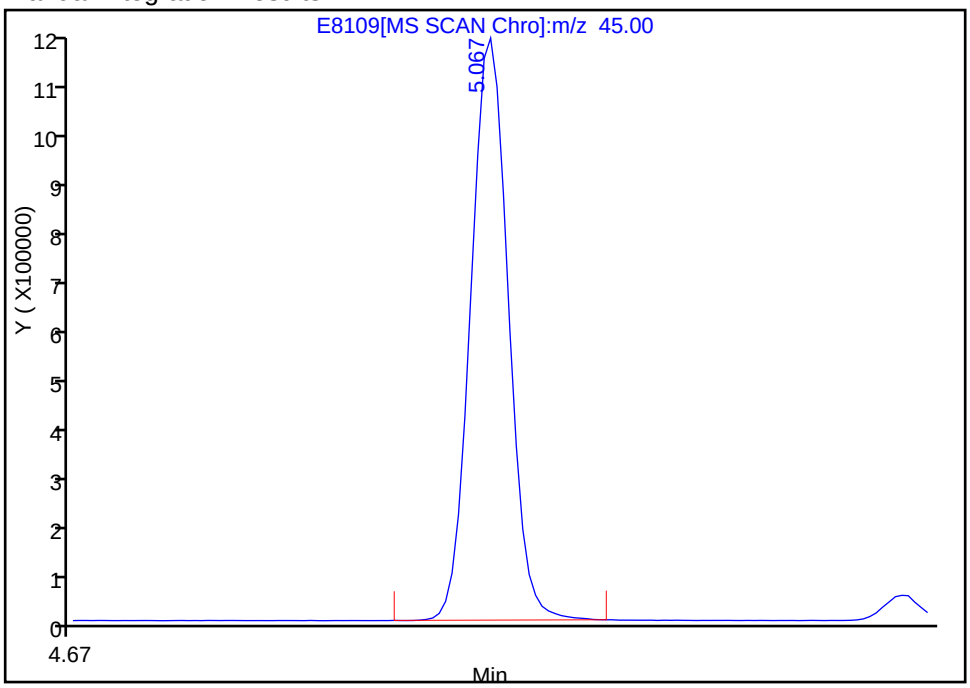
Processing Integration Results

RT: 4.82
Response: 239
Amount: 0.012796



Manual Integration Results

RT: 5.07
Response: 2807115
Amount: 128.7859



Reviewer: hallj, 08-Mar-2011 16:36:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

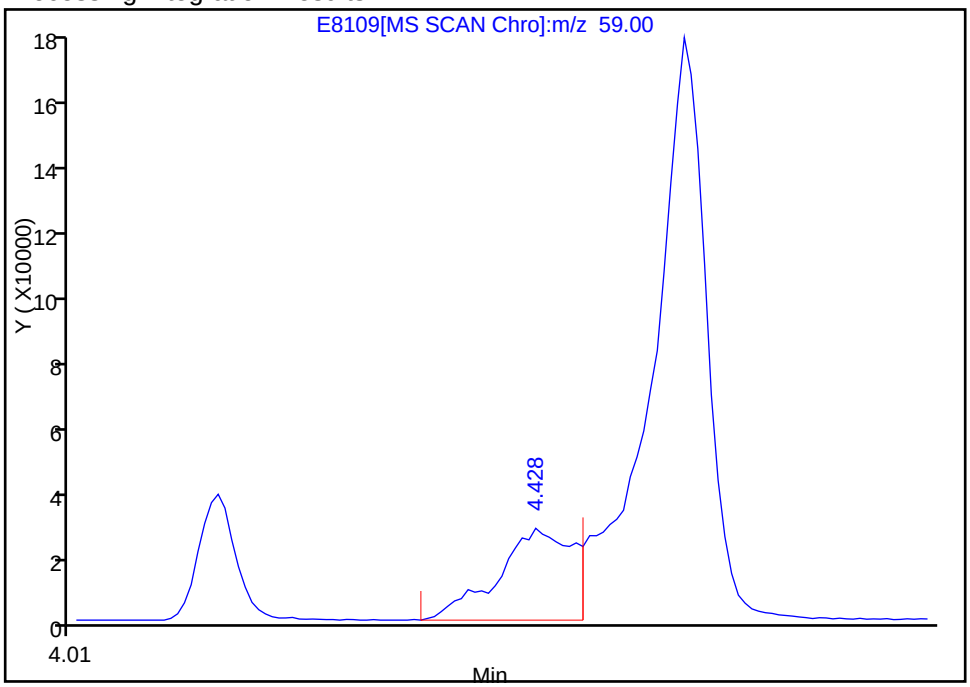
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Injection Date:	08-Mar-2011 15:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	7
Operator ID:	WH		

23 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 4.56

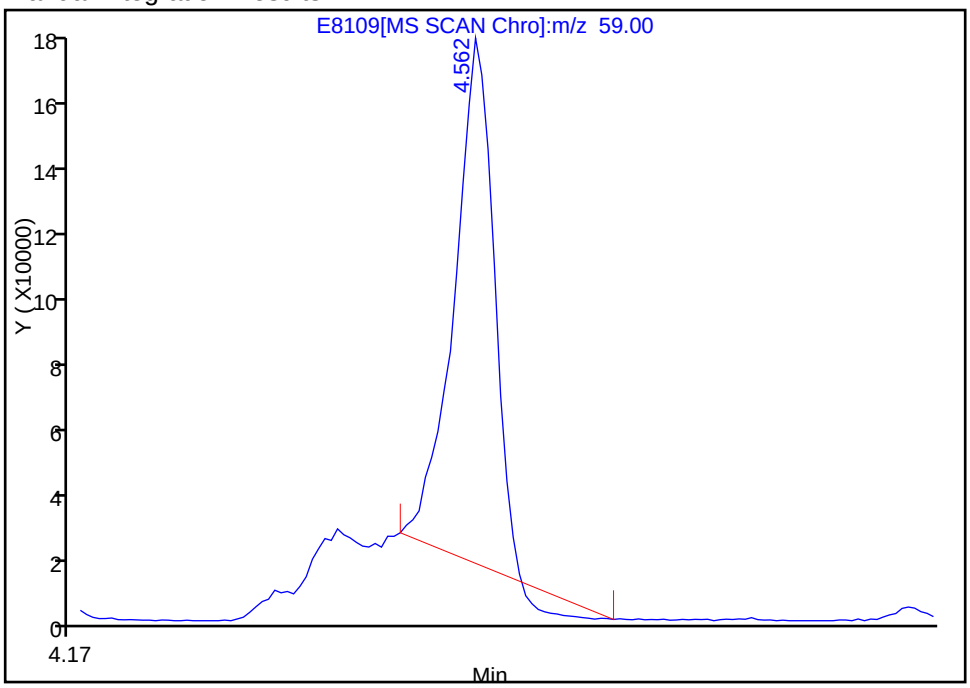
Processing Integration Results

RT: 4.43
Response: 133731
Amount: 133.3190



Manual Integration Results

RT: 4.56
Response: 412194
Amount: 381.5052



Reviewer: hallj, 08-Mar-2011 16:36:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:36:26 Chrom Revision: 1.2 17-Feb-2011 18:05:56

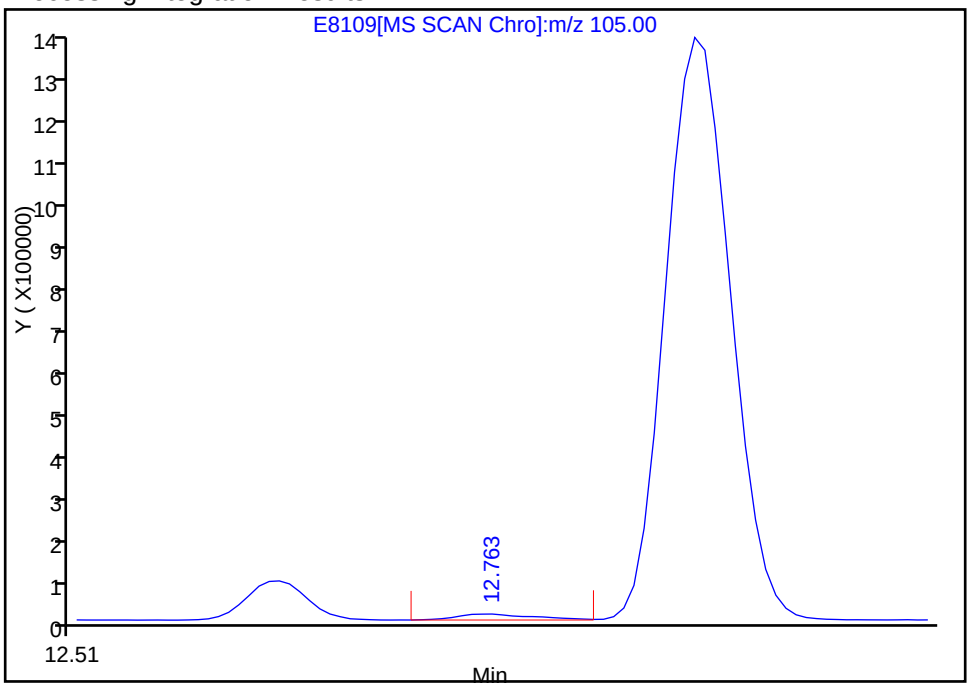
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8109.D		
Injection Date:	08-Mar-2011 15:44:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	7
Operator ID:	WH		

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

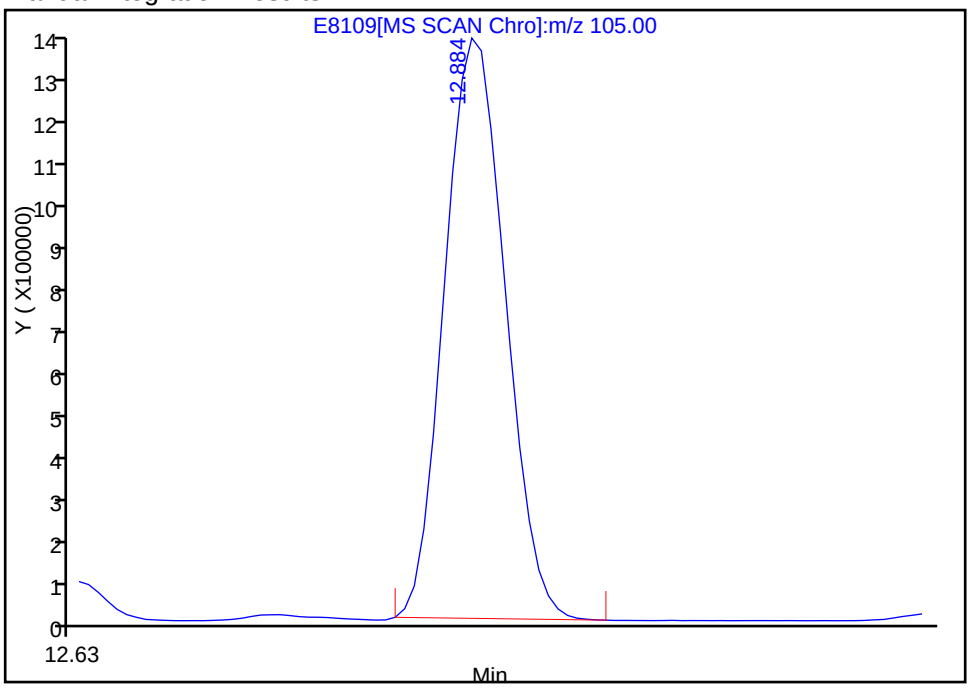
Processing Integration Results

RT: 12.76
Response: 45350
Amount: 1.896694



Manual Integration Results

RT: 12.88
Response: 3674211
Amount: 131.4938



Reviewer: hallj, 08-Mar-2011 16:36:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Lims ID:	std200	Client ID:	
Inject. Date:	08-Mar-2011 16:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD200		
Misc. Info.:	510-0004493-008 =510-0004493-008		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	77032	Lims Sample ID:	8
Sublist:	chrom-8260-SO-VMSA-E*sub24		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 16:50:03	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 16:50:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.898	6.897	0.001	97	1366009	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	979930	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.924	13.924	0.0	0	618997	50.0	M
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.514	6.520	-0.006	0	461918	48.8	
$ 6 Toluene-d8 (Surr)	98	8.777	8.783	-0.006	94	1316690	50.2	
$ 7 4-Bromofluorobenzene (Surr)	95	12.269	12.263	0.006	86	596914	50.6	
8 Dichlorodifluoromethane	85	2.092	2.037	0.055	87	1574001	200.3	
9 Chloromethane	50	2.244	2.244	0.0	87	1926344	214.3	
10 Vinyl chloride	62	2.432	2.390	0.042	81	1871679	204.1	
11 Bromomethane	94	2.724	2.730	-0.006	90	479439	181.0	
12 Chloroethane	64	2.925	2.925	0.0	98	523470	NaN	M
13 Trichlorofluoromethane	101	3.071	3.071	0.0	95	1359193	129.1	M
14 1,2-Dichloro-1,1,2-trifluoroethane	67	3.454	3.473	-0.018	83	1560116	196.7	
15 Acrolein	56	3.619	3.619	0.001	98	131893	192.5	
17 1,1,2-Trichloro-1,2,2-trifluoroethane	151	3.686	3.716	-0.030	61	915413	205.2	
16 1,1-Dichloroethene	96	3.686	3.716	-0.030	83	971471	209.1	
18 Acetone	58	3.807	3.801	0.006	99	213166	193.4	
19 Iodomethane	142	3.862	3.886	-0.024	98	339488	201.4	
20 Carbon disulfide	76	3.935	3.959	-0.024	99	2952613	202.9	
21 Methyl acetate	43	4.142	4.142	0.0	98	1345444	173.8	
22 Methylene Chloride	84	4.233	4.245	-0.012	99	1182219	203.6	
24 Acrylonitrile	53	4.513	4.507	0.006	41	602214	179.3	
25 trans-1,2-Dichloroethene	96	4.525	4.537	-0.012	92	1085429	203.2	
26 Methyl tert-butyl ether	73	4.549	4.549	0.0	98	3080693	186.1	
23 2-Methyl-2-propanol	59	4.616	4.616	0.0	21	913206	756.5	M
27 Hexane	57	4.811	4.829	-0.018	95	1658183	206.0	
28 1,1-Dichloroethane	63	4.981	4.987	-0.006	81	2136352	192.3	
29 Vinyl acetate	43	5.036	5.042	-0.006	98	6071304	337.9	
30 Isopropyl ether	45	5.067	5.067	0.0	8	3856360	176.6	M
31 Tert-butyl ethyl ether	59	5.456	5.456	0.0	93	3226209	179.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
33 2,2-Dichloropropane	77	5.614	5.620	-0.006	76	2050367	211.7	
32 cis-1,2-Dichloroethene	96	5.614	5.620	-0.006	83	1410257	188.1	
34 2-Butanone (MEK)	72	5.644	5.638	0.006	99	276480	190.0	
105 Ethyl acetate	43	5.693	5.693	0.0	0	2279182	204.1	
93 Propionitrile	54	5.717	5.705	0.012	0	307833	177.7	
35 Chlorobromomethane	130	5.876	5.882	-0.006	92	846893	186.5	
95 Tetrahydrofuran	42	5.955	5.948	0.007	0	659986	175.3	
36 Chloroform	83	5.955	5.961	-0.006	66	2394172	185.1	
37 1,1,1-Trichloroethane	97	6.168	6.174	-0.006	98	2199233	203.5	
38 Cyclohexane	84	6.235	6.247	-0.012	94	2028596	217.1	
39 1,1-Dichloropropene	75	6.350	6.356	-0.006	90	1916750	208.0	
40 Carbon tetrachloride	117	6.356	6.368	-0.012	86	1922915	206.0	
41 Benzene	78	6.587	6.593	-0.006	93	4837430	196.9	
42 1,2-Dichloroethane	62	6.600	6.605	-0.005	70	2209597	179.2	
43 Isobutyl alcohol	41	6.715	6.709	0.006	47	684758	180.1	
44 Tert-amyl methyl ether	73	6.715	6.709	0.006	87	3500289	200.4	
102 n-Butanol	56	7.305	7.305	0.0	0	800849	2466.3	M
45 Trichloroethene	132	7.317	7.323	-0.006	88	1302312	191.9	
46 Methylcyclohexane	83	7.549	7.555	-0.005	93	2358894	207.7	
47 1,2-Dichloropropane	63	7.585	7.585	0.0	0	1578583	193.6	M
48 Dibromomethane	93	7.725	7.725	0.0	97	829583	189.8	
49 Dichlorobromomethane	83	7.901	7.901	0.0	97	1891643	200.0	
50 2-Chloroethyl vinyl ether	63	8.248	8.254	-0.006	92	983682	418.3	
54 cis-1,3-Dichloropropene	75	8.437	8.443	-0.006	91	2179223	216.5	
52 4-Methyl-2-pentanone (MIBK)	43	8.638	8.625	0.013	98	2115480	208.6	
53 Toluene	91	8.863	8.869	-0.006	97	4915092	202.6	
51 trans-1,3-Dichloropropene	75	9.124	9.124	0.0	96	2039363	218.0	
55 Ethyl methacrylate	69	9.240	9.234	0.006	87	2336147	212.3	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	90	1076667	189.2	
57 Tetrachloroethene	164	9.562	9.568	-0.006	89	1123174	197.4	
58 1,3-Dichloropropane	76	9.580	9.580	0.0	96	2222705	187.4	
59 2-Hexanone	43	9.708	9.684	0.024	98	1766787	215.6	
60 Chlorodibromomethane	129	9.879	9.878	0.001	89	1346394	210.0	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	1230221	198.1	
62 Chlorobenzene	112	10.688	10.687	0.001	91	3265210	176.3	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	86	1362884	199.7	
64 Ethylbenzene	91	10.834	10.833	0.001	96	5712822	197.4	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	8074307	388.4	
66 o-Xylene	91	11.539	11.539	0.0	88	4922086	184.3	
67 Styrene	104	11.558	11.557	0.001	77	3910349	191.9	
68 Bromoform	173	11.819	11.807	0.012	99	1026611	222.2	
69 Isopropylbenzene	105	12.050	12.050	0.0	93	5302165	196.3	
71 1,1,2,2-Tetrachloroethane	83	12.470	12.458	0.012	84	1780546	175.4	
70 Bromobenzene	156	12.482	12.476	0.006	94	1658682	185.0	
72 1,2,3-Trichloropropane	75	12.537	12.525	0.012	52	2327459	187.3	
73 trans-1,4-Dichloro-2-butene	53	12.549	12.543	0.006	58	802620	210.2	
74 N-Propylbenzene	91	12.634	12.634	0.0	94	6473651	166.9	
75 2-Chlorotoluene	91	12.756	12.756	0.0	96	4497230	180.9	
76 1,3,5-Trimethylbenzene	105	12.890	12.890	0.0	21	5025815	178.9	M
77 4-Chlorotoluene	91	12.914	12.908	0.006	94	5213913	177.0	
78 tert-Butylbenzene	119	13.352	13.352	0.0	90	4415834	197.2	
80 1,2,4-Trimethylbenzene	105	13.425	13.425	0.0	62	5165372	195.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
81 sec-Butylbenzene	105	13.675	13.668	0.007	95	5851668	179.0	
82 1,3-Dichlorobenzene	146	13.833	13.827	0.006	91	2973702	179.9	
79 4-Isopropyltoluene	119	13.881	13.881	0.0	92	5129651	183.9	
83 1,4-Dichlorobenzene	146	13.961	13.954	0.007	86	3028933	173.3	
99 1,2,3-Trimethylbenzene	105	14.040	14.033	0.007	0	5283578	172.8	
84 n-Butylbenzene	91	14.478	14.477	0.001	92	4703994	183.3	
85 1,2-Dichlorobenzene	146	14.502	14.496	0.006	89	2772126	171.0	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	62	395494	205.8	
87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	94	1939568	204.8	
88 Hexachlorobutadiene	225	17.130	17.130	0.0	97	1334654	195.9	
89 Naphthalene	128	17.233	17.227	0.006	98	4036926	179.3	
90 1,2,3-Trichlorobenzene	180	17.592	17.592	0.0	94	1882431	187.8	
S 91 Xylenes, Total	100				0		572.7	
S 92 Total 1,2-dichloroethene	100				0		391.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D

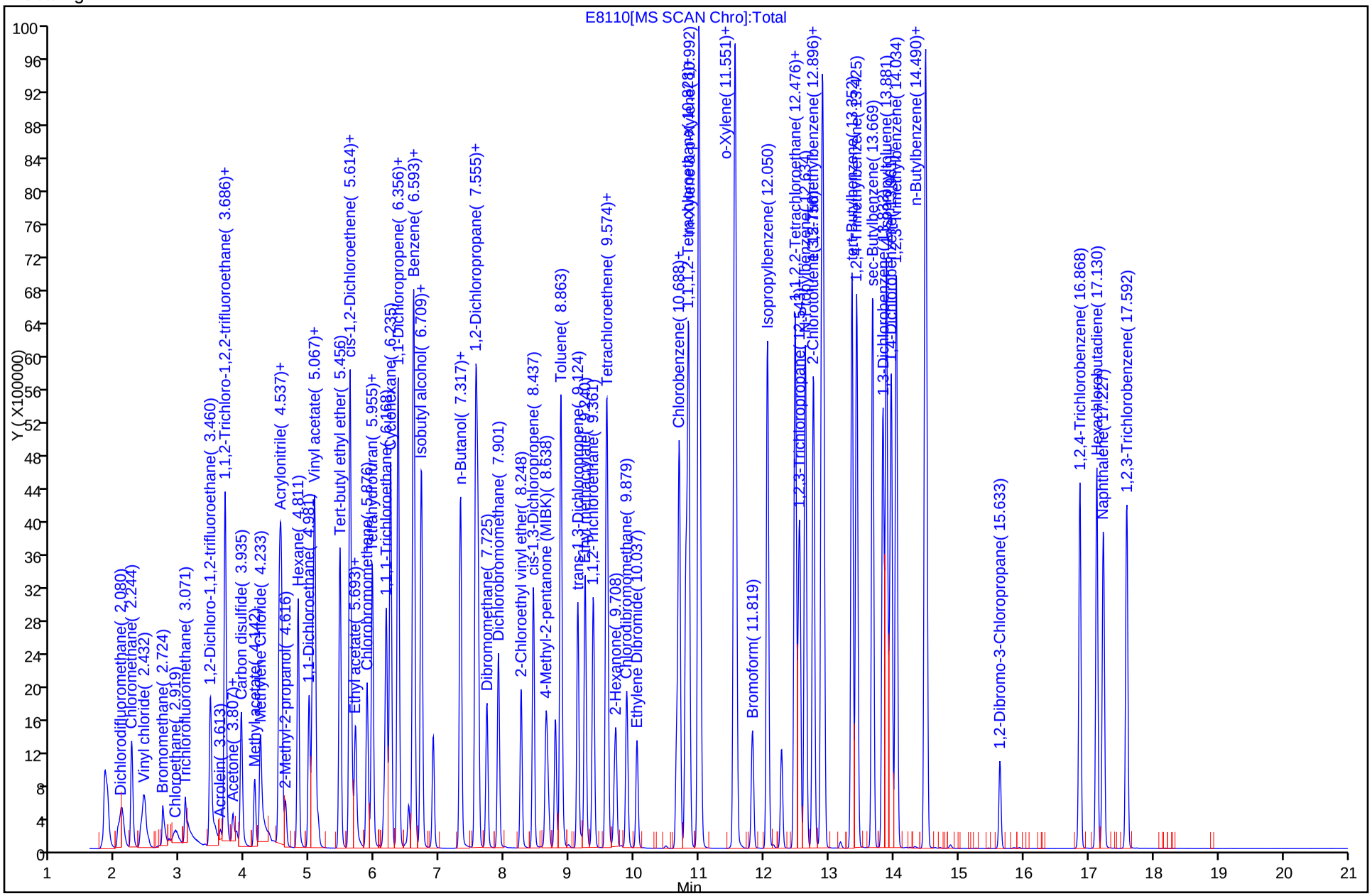
Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 8

Operator ID: WH

Y Scaling:



Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

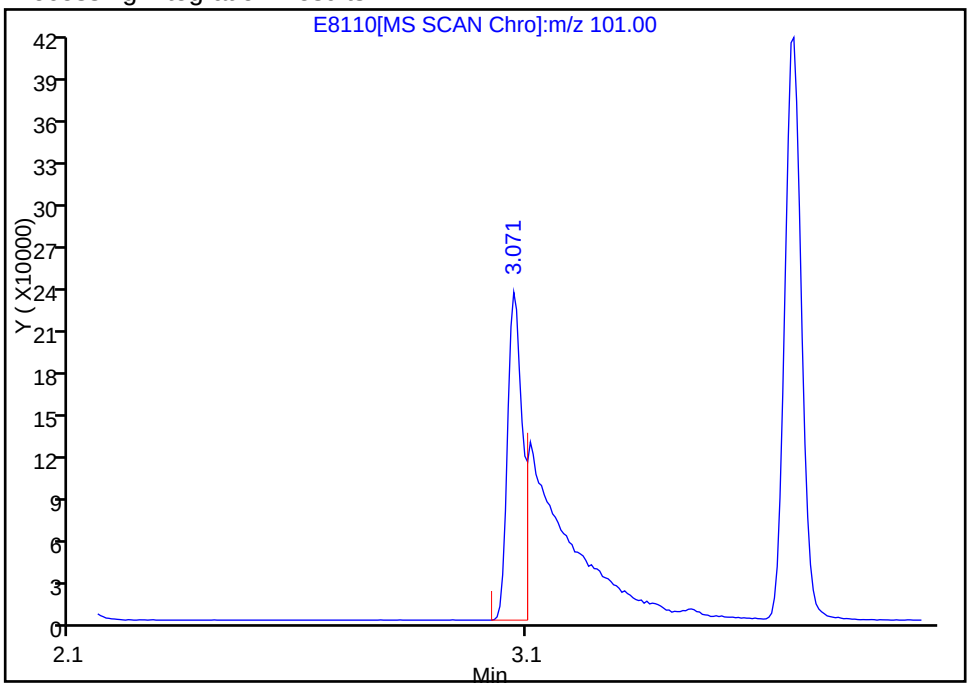
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Injection Date:	08-Mar-2011 16:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	8
Operator ID:	WH		

13 Trichlorofluoromethane, Signal: 1, m/z: 101.0 Type: quant, RT: 3.07

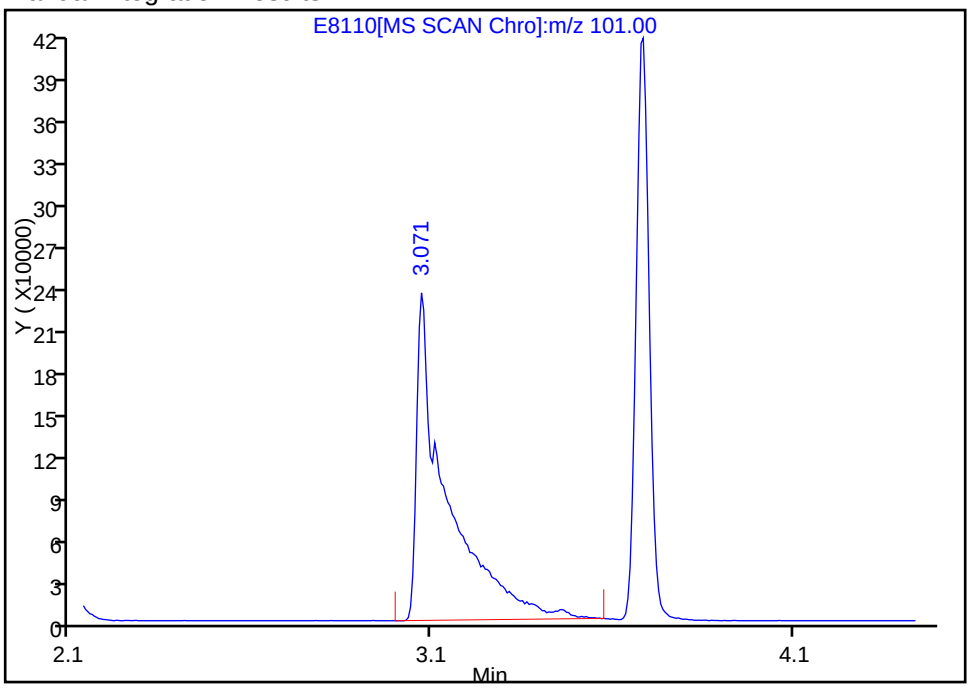
Processing Integration Results

RT: 3.07
Response: 548979
Amount: 58.318124



Manual Integration Results

RT: 3.07
Response: 1359193
Amount: 129.1400



Reviewer: hallj, 08-Mar-2011 16:44:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D

Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

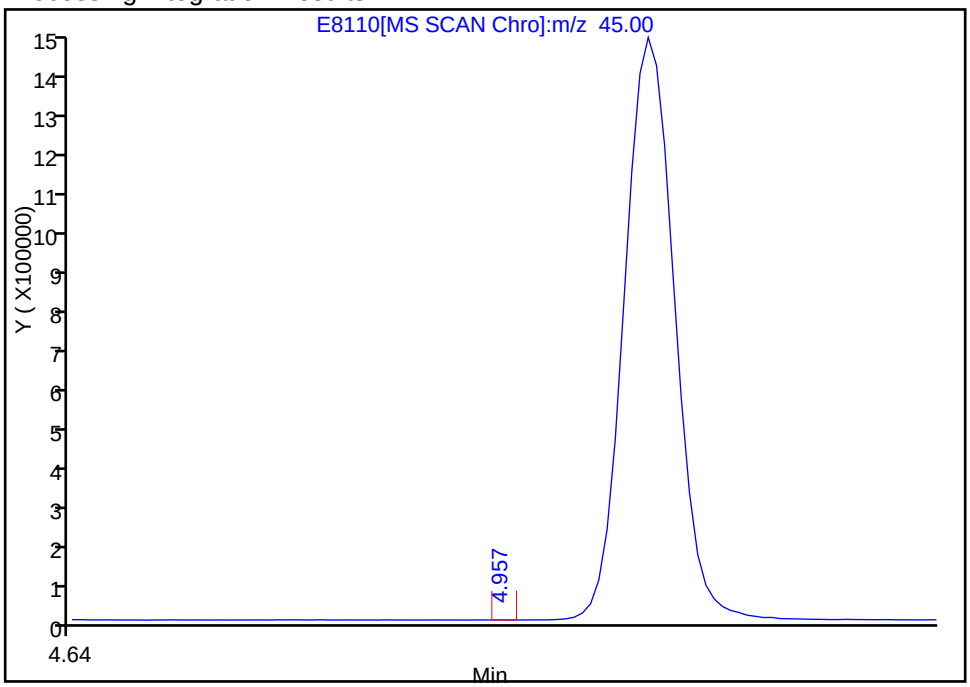
Lims Batch ID: 77032 Lims Sample ID: 8

Operator ID: WH

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

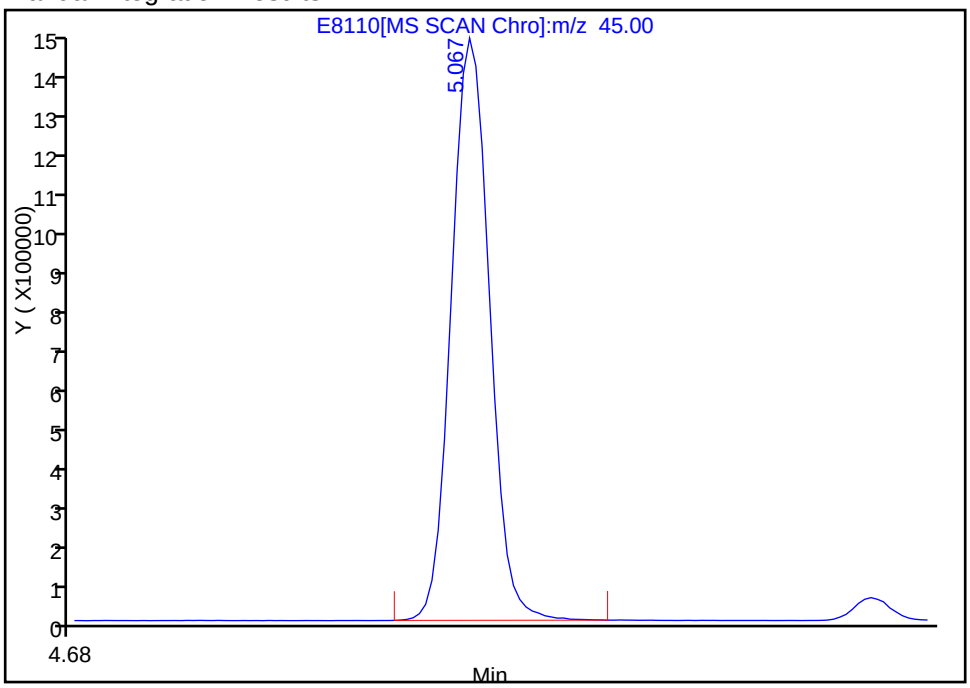
Processing Integration Results

RT: 4.96
Response: 280
Amount: 0.014678



Manual Integration Results

RT: 5.07
Response: 3856360
Amount: 176.6460



Reviewer: hallj, 08-Mar-2011 16:44:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

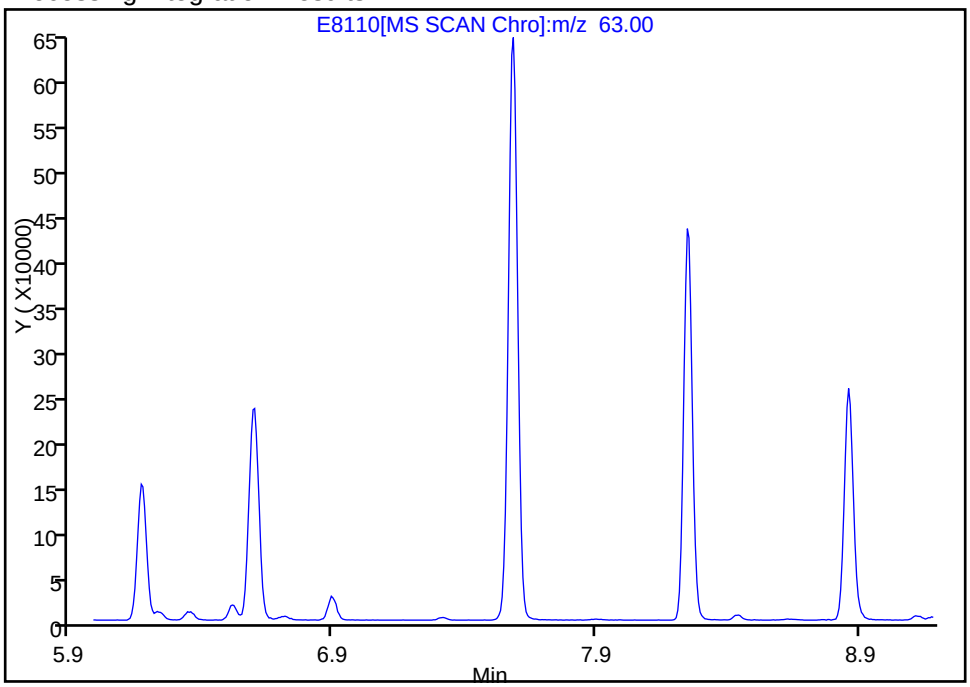
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 8
Operator ID: WH

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

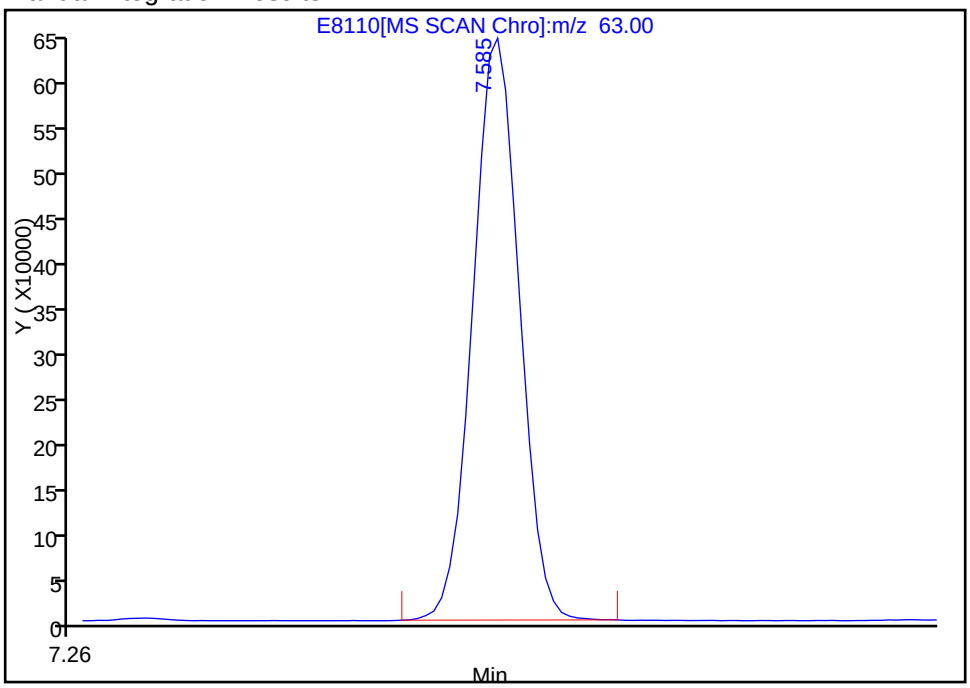
Not Detected
Expected RT: 7.59

Processing Integration Results



Manual Integration Results

RT: 7.59
Response: 1578583
Amount: 193.6106



Reviewer: hallj, 08-Mar-2011 16:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

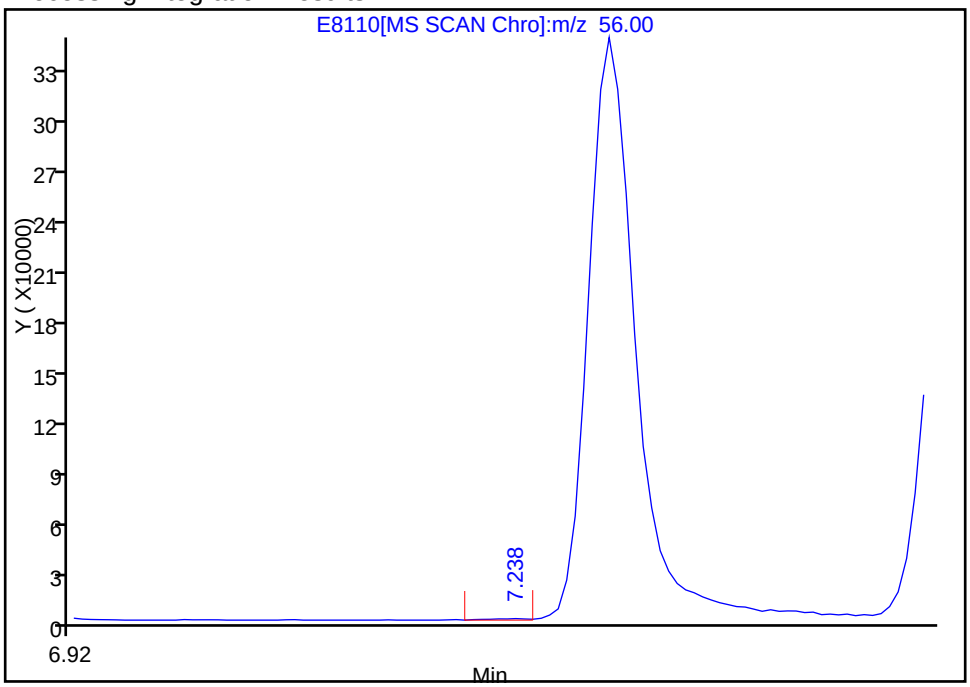
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 8
Operator ID: WH

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 7.31

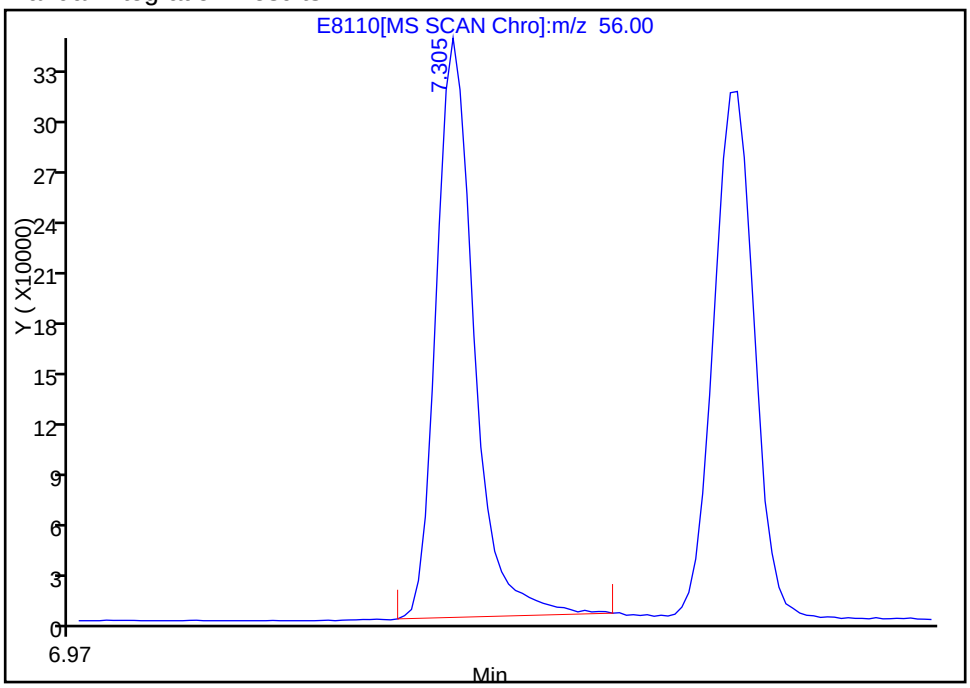
Processing Integration Results

RT: 7.24
Response: 1768
Amount: 6.480312



Manual Integration Results

RT: 7.31
Response: 800849
Amount: 2466.3156



Reviewer: hallj, 08-Mar-2011 16:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

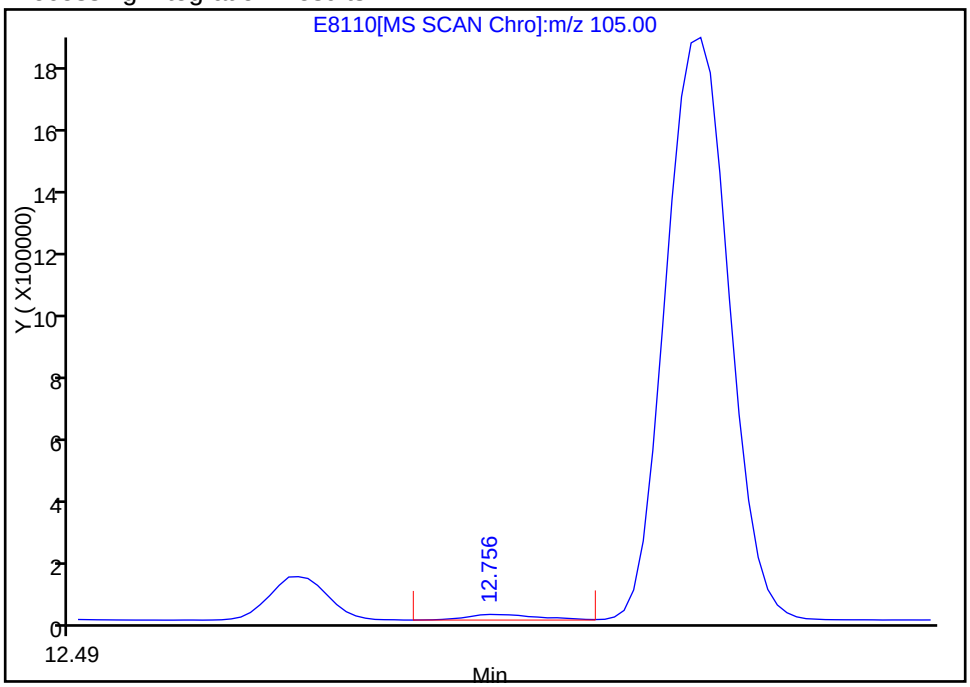
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Injection Date:	08-Mar-2011 16:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	8
Operator ID:	WH		

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.89

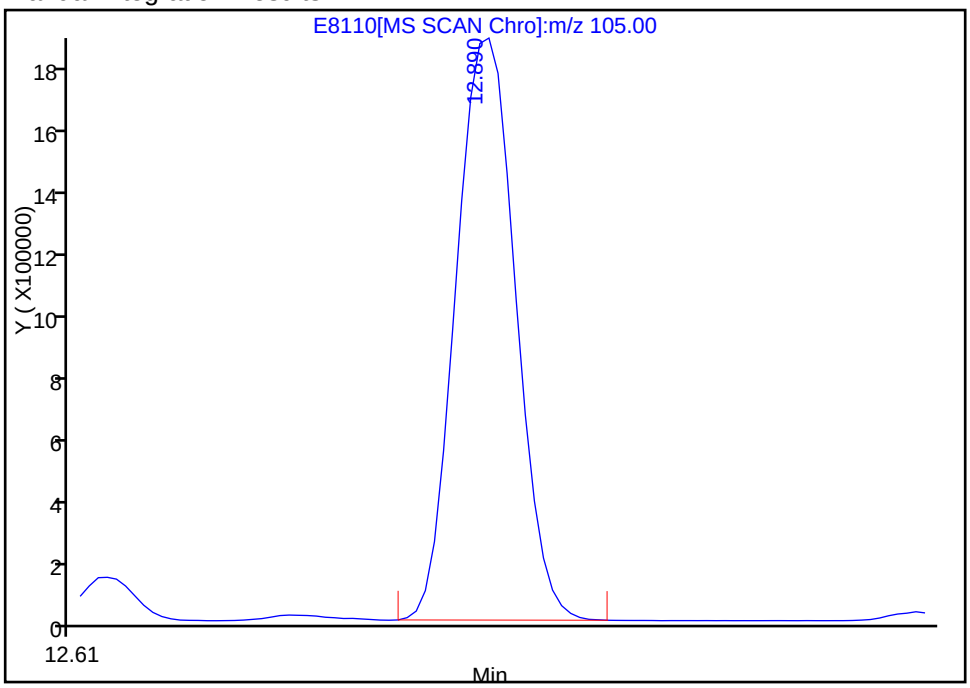
Processing Integration Results

RT: 12.76
Response: 55822
Amount: 2.274862



Manual Integration Results

RT: 12.89
Response: 5025815
Amount: 178.9271



Reviewer: hallj, 08-Mar-2011 16:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

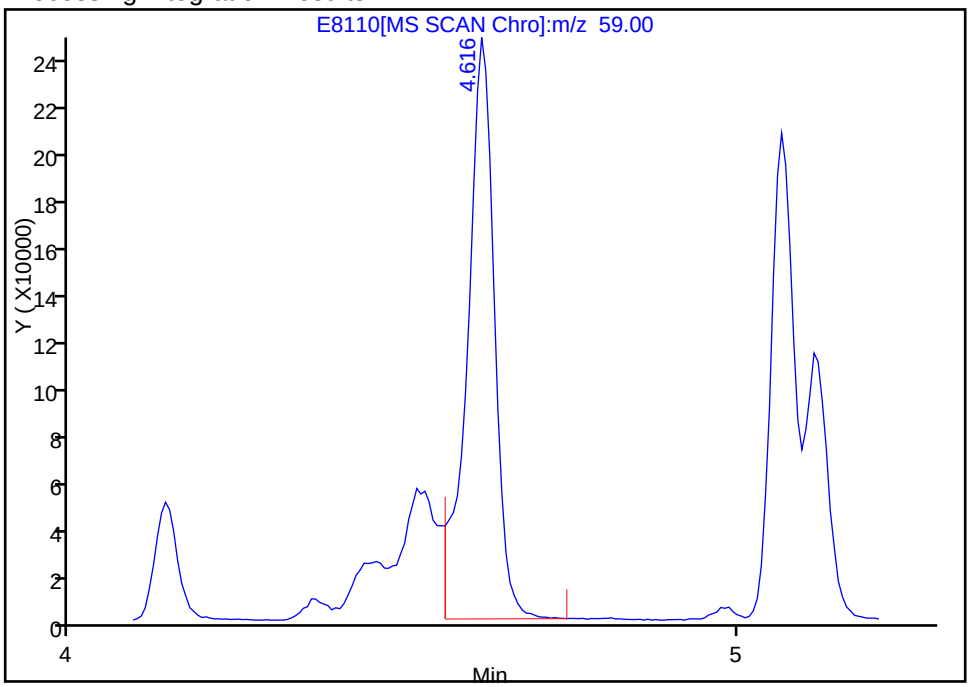
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Injection Date:	08-Mar-2011 16:19:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	8
Operator ID:	WH		

23 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 4.62

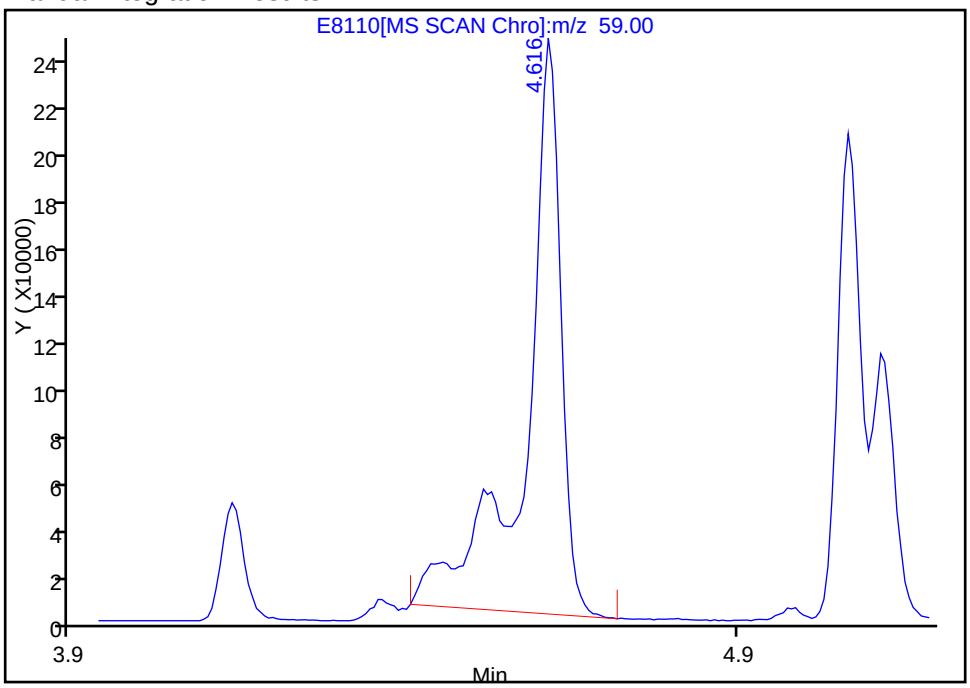
Processing Integration Results

RT: 4.62
Response: 699342
Amount: 598.2568



Manual Integration Results

RT: 4.62
Response: 913206
Amount: 756.4936



Reviewer: hallj, 08-Mar-2011 16:44:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

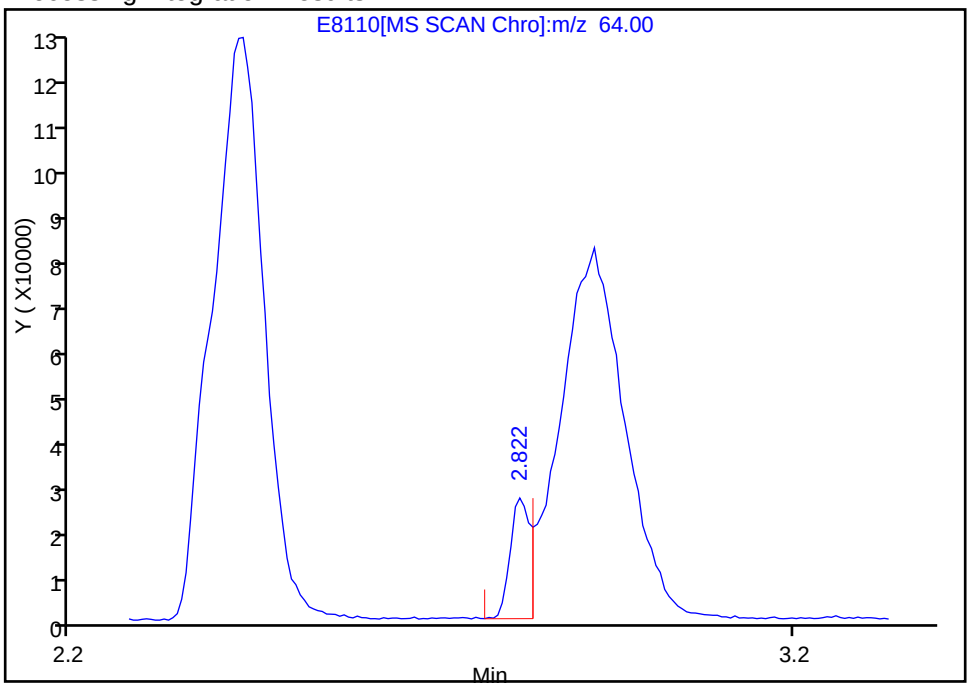
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 8
Operator ID: WH

12 Chloroethane, Signal: 1, m/z: 64.0 Type: quant, RT: 2.93

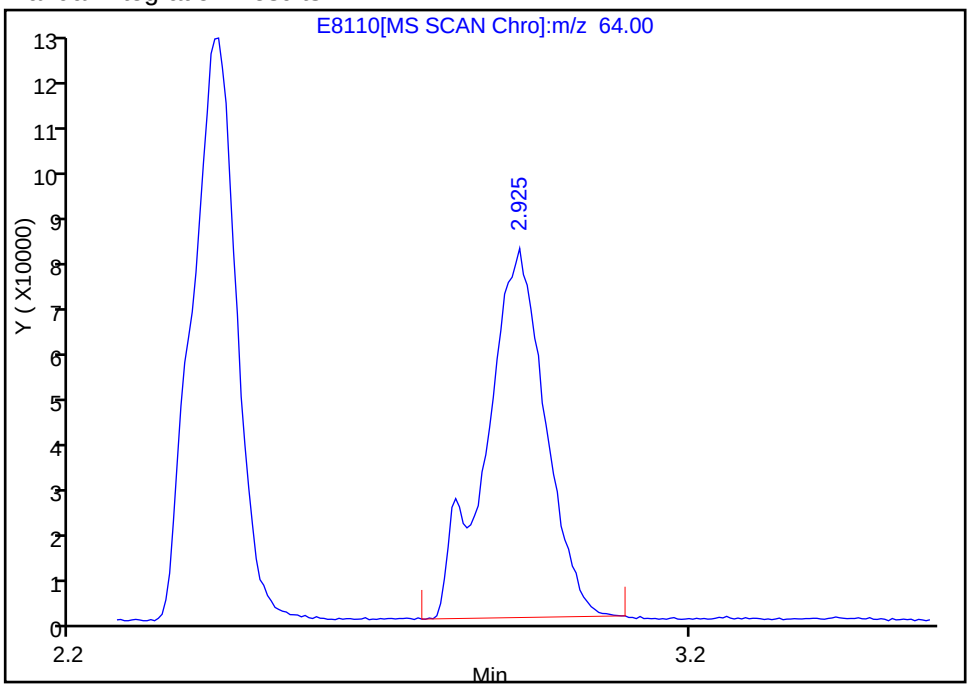
Processing Integration Results

RT: 2.82
Response: 51730
Amount: 13.981761



Manual Integration Results

RT: 2.93
Response: 523470
Amount: NaN



Reviewer: hallj, 08-Mar-2011 16:44:54
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 16:50:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D

Injection Date: 08-Mar-2011 16:19:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 8

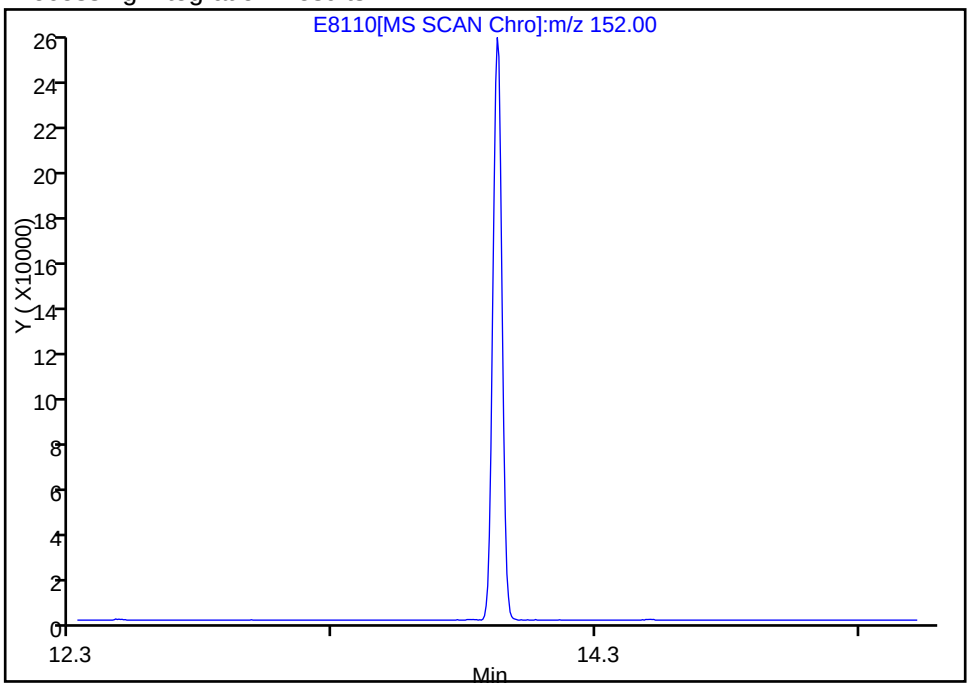
Operator ID: WH

* 3 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 13.92

Processing Integration Results

Not Detected

Expected RT: 13.92

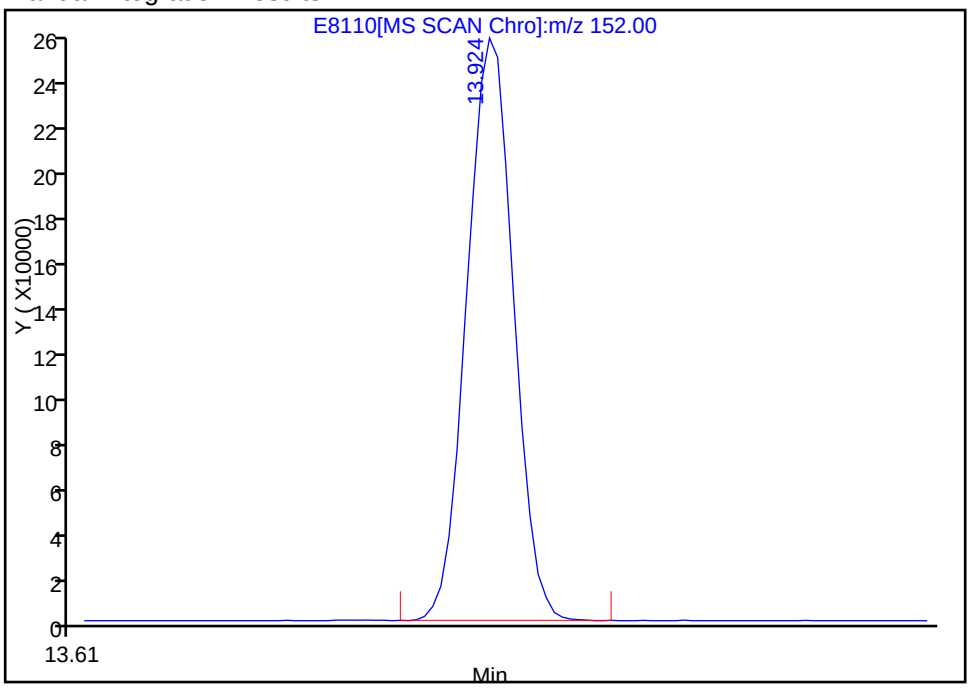


Manual Integration Results

RT: 13.92

Response: 618997

Amount: 50.000000



Reviewer: hallj, 08-Mar-2011 16:44:54

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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-77114/3	A6482.D
Level 2	STD005 510-77114/4	A6483.D
Level 3	STD010 510-77114/13	A6492.D
Level 4	STD020 510-77114/6	A6485.D
Level 5	STD001 510-77114/2	A6481.D
Level 6	STD050 510-77114/7	A6486.D
Level 7	STD100 510-77114/8	A6487.D
Level 8	STD150 510-77114/9	A6488.D
Level 9	STD200 510-77114/10	A6489.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	0.5914 0.4924	0.5140 0.5632	0.4748 0.5475	0.4988 0.5335		Ave		0.5269				7.5		15.0			
Chloromethane	0.3496 0.2885	0.3435 0.3520	0.3408 0.3418	0.3050 0.3499		Ave		0.3339			0.1000	7.1		15.0			
Vinyl chloride	0.1834 0.2723	0.2773 0.3219	0.2946 0.3188	0.2694 0.3220		Lin2	-0.243	0.3095							0.9950		0.9900
Bromomethane	0.0665 0.1893	0.1084 0.2299	0.1567 0.1995	0.1625 0.2054		Lin	-0.402	0.2089							0.9950		0.9900
Chloroethane	0.2347 0.1491	0.1778 0.1692	0.1546 0.1720	0.1501 0.1693		Lin2	0.1427	0.1562							0.9910		0.9900
Trichlorofluoromethane	0.7090 0.5680	0.5495 0.6453	0.5996 0.6179	0.5861 0.5995		Ave		0.6094				8.2		15.0			
1,2-Dichlorotrifluoroethane	0.3888 0.3102	0.3136 0.3532	0.3478 0.3402	0.3205 0.3399		Ave		0.3393				7.5		15.0			
Acrolein	0.0150 0.0365	0.0279 0.0429	0.0331 0.0400	0.0404 0.0395		Lin2	-0.052	0.0402							0.9960		0.9900
1,1-Dichlorethylene	0.5592 0.3958	0.4791 0.4698	0.4410 0.4342	0.4207 0.4295		Ave		0.4537				11.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2261 0.1694	0.1881 0.1832	0.1668 0.1848	0.1659 0.1767		Ave		0.1826				11.0		15.0			
Acetone	0.1669 0.1020	0.1230 0.1094	0.1409 0.1205	0.1114 0.1240		Lin	-0.258	0.1221							0.9960		0.9900
Iodomethane	0.0086 0.1179	0.0284 0.1914	0.0899 0.1843	0.0894 0.2011		Lin	-2.053	0.2058							0.9930		0.9900
Carbon disulfide	0.6149 0.5201	0.5839 0.6465	0.6150 0.6012	0.5782 0.6043		Ave		0.5955				6.2		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	0.0137	0.0171	0.0113 0.0136	0.0234 0.0156		Ave		0.0158				27.0	*	15.0			
Methyl acetate	0.0876 0.1733	0.1887 0.2088	0.2083 0.1895	0.1940 0.2037		Lin	-0.267	0.2010							0.9970		0.9900
Methylene Chloride	0.3720 0.2485	0.2954 0.2896	0.3136 0.2577	0.2829 0.2535		Ave		0.2891				14.0		15.0			
t-Butyl alcohol	0.0190	0.0091 0.0213	0.0199 0.0199	0.0212 0.0207		Lin	-0.106	0.0207							0.9980		0.9900
Acrylonitrile	0.0800 0.0732	0.0770 0.0994	0.0869 0.0903	0.0879 0.0942		Ave		0.0861				10.0		15.0			
trans-1,2-Dichloroethylene	0.4824 0.3894	0.4233 0.4563	0.4794 0.4180	0.4621 0.4099		Ave		0.4401				7.8		15.0			
Methyl tert-butyl ether	0.4304 0.7449	0.8393 0.8244	0.8548 0.7511	0.8329 0.7492		Lin	1.0143	0.7530							0.9980		0.9900
n-Hexane	0.1750 0.1290	0.1176 0.1498	0.1605 0.1496	0.1466 0.1478		Ave		0.1470				12.0		15.0			
1,1-Dichloroethane	0.2749 0.4552	0.5085 0.5362	0.5096 0.4799	0.4919 0.4761		Lin2	-0.399	0.5110			0.1000				0.9900		0.9900
Vinyl acetate	0.5080 0.6427	0.6973 0.7505	0.7381 0.6741	0.7435 0.6361		Ave		0.6738				12.0		15.0			
Isopropyl ether	0.8971 0.7393	0.8157 0.8816	0.8961 0.8192	0.8861 0.7952		Ave		0.8413				6.9		15.0			
Tert-butyl ethyl ether	0.8196 0.7696	0.8011 0.8987	0.8358 0.8263	0.8585 0.8137		Ave		0.8279				4.7		15.0			
cis-1,2-Dichloroethylene	0.4948 0.4687	0.5141 0.5282	0.5074 0.4856	0.5098 0.4727		Ave		0.4977				4.2		15.0			
2,2-Dichloropropane	0.0842 0.4331	0.4731 0.5007	0.4908 0.4287	0.4668 0.4336		Lin	0.6163	0.4369							0.9950		0.9900
Methyl ethyl ketone (MEK)	0.1672 0.0913	0.1212 0.1333	0.1315 0.1074	0.1289 0.1096		Ave		0.1176				13.0		15.0			
1,3-Butadiene	0.0316	0.0397 0.0312	0.0352 0.0271	0.0315 0.0300		Ave		0.0323				12.0		15.0			
Propionitrile	0.0860	0.1181 0.0842	0.1046 0.0815	0.0900 0.0874		Ave		0.0931				14.0		15.0			
Ethyl acetate	0.2297 0.2160	0.2269 0.2538	0.2750 0.2394	0.2586 0.2382		Ave		0.2422				7.9		15.0			
Chlorobromomethane	0.1796 0.1755	0.2151 0.2002	0.1955 0.1695	0.2054 0.1739		Ave		0.1893				8.9		15.0			
Tetrahydrofuran	0.4453 0.1533	0.2257 0.1756	0.2039 0.1656	0.2168 0.1756		Lin	0.2679	0.1703							0.9970		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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	0.7935 0.5481	0.6278 0.6339	0.6626 0.5864	0.6393 0.5779		Ave		0.6337				12.0		15.0			
1,1,1-Trichloroethane	0.5952 0.4944	0.5070 0.5992	0.5318 0.5624	0.5632 0.5534		Ave		0.5508				6.9		15.0			
Cyclohexane	0.2528 0.2193	0.2353 0.2646	0.2752 0.2573	0.2348 0.2597		Ave		0.2499				7.4		15.0			
1,1-Dichloropropene	0.4268 0.3087	0.3237 0.3855	0.3541 0.3618	0.3620 0.3530		Ave		0.3594				10.0		15.0			
Carbon tetrachloride	0.4699 0.3669	0.3857 0.4555	0.4211 0.4439	0.4413 0.4441		Ave		0.4286				8.3		15.0			
Benzene	1.0127 0.8808	1.0167 1.0137	1.1046 0.9421	0.9589 0.9150	1.2563	Ave		1.0112				11.0		15.0			
1,2-Dichloroethane	0.6405 0.5714	0.6640 0.6502	0.6621 0.5760	0.6234 0.5730		Ave		0.6201				6.6		15.0			
Isobutanol	0.1168 0.1093	0.1321 0.1210	0.1244 0.1145	0.1222 0.1164		Ave		0.1196				5.8		15.0			
Tert-amyl methyl ether	0.7826 0.6800	0.6911 0.8108	0.7576 0.7543	0.7599 0.7481		Ave		0.7480				5.8		15.0			
n-Butanol	0.0042 0.0041	0.0026 0.0045	0.0036 0.0045	0.0041 0.0047		Lin	-0.502	0.0048							0.9970		0.9900
Trichloroethene	0.2579 0.2569	0.3259 0.3048	0.3008 0.2864	0.2879 0.2932		Ave		0.2893				8.0		15.0			
Methylcyclohexane	0.2161 0.2111	0.1990 0.2529	0.2154 0.2532	0.2337 0.2530		Ave		0.2293				9.5		15.0			
1,2-Dichloropropane	0.3147 0.2289	0.2366 0.2555	0.2382 0.2409	0.2343 0.2373		Ave		0.2483				11.0		15.0			
Dibromomethane	0.1423 0.1717	0.2146 0.1957	0.2122 0.1834	0.2023 0.1802		Ave		0.1878				13.0		15.0			
Bromodichloromethane	0.4495 0.4138	0.4402 0.4949	0.4369 0.4527	0.4173 0.4584		Ave		0.4455				5.7		15.0			
2-Chloroethyl vinyl ether	0.0522 0.0692	0.0729 0.0856	0.0721 0.0803	0.0666 0.0825		Ave		0.0727				15.0		15.0			
cis-1,3-Dichloropropene	0.1736 0.3881	0.3429 0.4712	0.3722 0.4349	0.4088 0.4276		Lin2	-0.520	0.4354							0.9970		0.9900
4-Methyl-2-pentanone (MIBK)	0.2572 0.2153	0.2048 0.2498	0.2222 0.2384	0.2518 0.2444		Ave		0.2355				8.1		15.0			
Toluene	1.1618 0.9728	1.1099 1.1547	1.1182 1.0509	1.0973 1.0214		Ave		1.0859				6.1		15.0			
trans-1,3-Dichloropropene	0.1698 0.3778	0.3471 0.4623	0.3746 0.4262	0.3936 0.4419		Lin2	-0.515	0.4316							0.9960		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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	0.3480 0.3044	0.2785 0.3578	0.2859 0.3469	0.3274 0.3503		Ave		0.3249				9.6		15.0			
1,1,2-Trichloroethane	0.2392 0.1896	0.1872 0.2231	0.1992 0.2008	0.2153 0.2060		Ave		0.2076				8.5		15.0			
Tetrachloroethylene	0.1589 0.2073	0.2565 0.2439	0.2543 0.2302	0.2271 0.2270	0.3639	Lin	0.0429	0.2293							0.9980		0.9900
1,3-Dichloropropane	0.3967 0.4056	0.4071 0.4553	0.4356 0.4218	0.4383 0.4225		Ave		0.4229				4.6		15.0			
Methyl Butyl Ketone (2-Hexanone)	0.1318 0.1601	0.1412 0.1779	0.1763 0.1746	0.1493 0.1849		Ave		0.1620				12.0		15.0			
Chlorodibromomethane	0.2483 0.2693	0.2135 0.3304	0.2794 0.3207	0.2761 0.3266		Ave		0.2830				15.0		15.0			
1,2-Dibromoethane	0.2700 0.2651	0.2455 0.3168	0.2639 0.2850	0.2682 0.2873		Ave		0.2752				7.7		15.0			
Chlorobenzene	1.6198 1.2637	1.4063 1.5289	1.4802 1.4126	1.4189 1.3978		Ave		1.4410			0.3000	7.3		15.0			
1,1,1,2-Tetrachloroethane	0.2964 0.4916	0.4819 0.6362	0.5493 0.5920	0.5268 0.5876		Lin2	-0.564	0.5831							0.9940		0.9900
Ethylbenzene	2.5047 1.9815	2.2365 2.3588	2.2233 2.1944	2.2443 2.1334		Ave		2.2346				6.9		15.0			
m-Xylene & p-Xylene	1.9980 1.6226	1.7594 1.8733	1.9617 1.6925	1.8481 1.6237		Ave		1.7974				8.1		15.0			
o-Xylene	1.9727 1.7457	1.7402 2.0845	1.9211 1.9178	1.9092 1.8887		Ave		1.8975				6.0		15.0			
Styrene	1.3563 1.3305	1.3678 1.5833	1.4781 1.4723	1.4199 1.4499		Ave		1.4323				5.7		15.0			
Bromoform	0.2319 0.2751	0.2307 0.3365	0.2583 0.3408	0.2657 0.3569		Lin	-1.531	0.3569			0.1000				0.9970		0.9900
Isopropylbenzene	2.8827 2.2921	2.5586 2.7244	2.6537 2.5552	2.5842 2.6789		Ave		2.6162				6.5		15.0			
1,1,2,2-Tetrachloroethane	0.9966 0.6928	0.7557 0.7880	0.8458 0.7355	0.8162 0.7819		Ave		0.8015			0.3000	11.0		15.0			
Bromobenzene	1.6093 1.1948	1.3239 1.4164	1.7106 1.3471	1.4295 1.4049		Ave		1.4296				11.0		15.0			
1,2,3-Trichloropropane	0.9990 0.8411	0.9410 1.0199	0.9287 0.9348	0.9660 1.0258		Ave		0.9570				6.3		15.0			
trans-1,4-Dichloro-2-butene	0.1825 0.2321	0.2062 0.2984	0.2468 0.2839	0.2436 0.3145		Lin	-1.301	0.3093							0.9950		0.9900
n-Propylbenzene	3.1664 2.5986	2.7520 3.0217	3.1414 2.8815	2.9647 2.9891		Ave		2.9394				6.5		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 CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	2.5557 1.8398	2.1440 2.1995	2.2195 2.0191	2.1638 2.1613		Ave		2.1628				9.3		15.0			
1,3,5-Trimethylbenzene	2.4154 2.0956	2.1702 2.3961	2.2369 2.2743	2.3705 2.3713		Ave		2.2913				5.1		15.0			
4-Chlorotoluene	2.6813 2.2968	2.4582 2.5723	2.6635 2.3840	2.6275 2.4604		Ave		2.5180				5.5		15.0			
tert-Butylbenzene	2.1098 1.6461	1.6511 1.9531	1.8678 1.8567	1.8924 1.9772		Ave		1.8693				8.4		15.0			
1,2,4-Trimethylbenzene	2.4558 2.1860	2.1783 2.4631	2.3618 2.3708	2.4875 2.4695		Ave		2.3716				5.3		15.0			
sec-Butylbenzene	2.3828 2.1872	2.1577 2.5731	2.7020 2.4917	2.4267 2.5712		Ave		2.4366				7.8		15.0			
1,3-Dichlorobenzene	1.5535 1.1495	1.2372 1.3666	1.3532 1.2763	1.3548 1.3449		Ave		1.3295				8.8		15.0			
4-Isopropyltoluene	2.1620 1.9506	1.9061 2.2930	2.2448 2.1950	2.2298 2.3132		Ave		2.1618				7.1		15.0			
1,4-Dichlorobenzene	1.9535 1.2149	1.4491 1.3847	1.4082 1.3200	1.4077 1.3630		Ave		1.4376				15.0		15.0			
1,2,3-Trimethylbenzene	2.7210 2.2694	2.4091 2.6556	2.5695 2.4622	2.5960 2.5805		Ave		2.5329				5.7		15.0			
1,2-Dichlorobenzene	1.6642 1.1395	1.3933 1.3097	1.3352 1.2284	1.2408 1.2965		Ave		1.3259				12.0		15.0			
n-Butylbenzene	1.6526 1.6770	1.7746 2.0031	2.2303 1.9351	1.9670 2.0568		Ave		1.9121				10.0		15.0			
1,2-Dibromo-3-Chloropropane	 0.1007	0.0850 0.1178	0.1192 0.1163	0.1307 0.1380		Ave		0.1154				15.0		15.0			
1,2,4-Trichlorobenzene	0.5732 0.5312	0.3389 0.6713	0.7403 0.6260	0.5936 0.6927		Lin	-1.999	0.6783							0.9950		0.9900
Hexachlorobutadiene	0.5441 0.3128	0.3952 0.3907	0.7864 0.3758	0.3896 0.4094		Lin	0.0108	0.3940							0.9920		0.9900
Naphthalene	0.8797 1.0675	0.9205 1.2340	1.0344 1.1949	1.1307 1.3093		Ave		1.0964				14.0		15.0			
1,2,3-Trichlorobenzene	0.4299 0.3957	0.3385 0.4305	0.6124 0.4103	0.4571 0.4618		Lin	-0.445	0.4434							0.9940		0.9900
1,2-Dichloroethane-d4 (Surr)	0.3882 0.4725	0.4712 0.4526	0.4721 0.4513	0.4629 0.4483	0.4851	Ave		0.4560				6.2		15.0			
Toluene-d8 (Surr)	0.9773 1.0560	0.9960 1.0686	1.0133 1.0503	1.0218 1.0369	1.0349	Ave		1.0284				2.9		15.0			
4-Bromofluorobenzene (Surr)	1.2490 1.2052	1.1875 1.2044	1.1918 1.1905	1.2406 1.2411	1.1802	Ave		1.2100				2.2		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 510-77114/3	A6482.D
Level 2	STD005 510-77114/4	A6483.D
Level 3	STD010 510-77114/13	A6492.D
Level 4	STD020 510-77114/6	A6485.D
Level 5	STD001 510-77114/2	A6481.D
Level 6	STD050 510-77114/7	A6486.D
Level 7	STD100 510-77114/8	A6487.D
Level 8	STD150 510-77114/9	A6488.D
Level 9	STD200 510-77114/10	A6489.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	6361 120009	13033 279951	24841 422126	50252 566707		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloromethane	FB	Ave	3760 70317	8709 175002	17833 263517	30734 371628		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl chloride	FB	Lin2	1972 66366	7030 160011	15415 245837	27141 342063		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromomethane	FB	Lin	715 46129	2748 114279	8199 153850	16374 218175		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroethane	FB	Lin2	2524 36340	4507 84108	8089 132611	15126 179871		2.00 50.0	5.00 100	10.0 150	20.0 200	
Trichlorofluoromethane	FB	Ave	7626 138448	13932 320798	31371 476399	59046 636797		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorotrifluoroethane	FB	Ave	4182 75600	7952 175578	18198 262347	32286 361069		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acrolein	FB	Lin2	162 8940	711 21426	1737 30930	4090 42099		2.01 50.2	5.02 100	10.0 151	20.1 201	
1,1-Dichlorethylene	FB	Ave	6014 96484	12148 233543	23073 334816	42383 456269		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2432 41300	4770 91084	8726 142503	16718 187696		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetone	FB	Lin	1795 24851	3119 54388	7374 92946	11223 131759		2.00 50.0	5.00 100	10.0 150	20.0 200	
Iodomethane	FB	Lin	93 28748	720 95163	4705 142112	9009 213597		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon disulfide	FB	Ave	6613 126777	14804 321395	32178 463569	58256 641886		2.00 50.0	5.00 100	10.0 150	20.0 200	
Acetonitrile	FB	Ave	 3345	 8497	589 10456	2362 16560		 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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	Lin	942 42236	4784 103784	10898 146107	19549 216393		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylene Chloride	FB	Ave	4001 60576	7489 143949	16405 198671	28505 269301		2.00 50.0	5.00 100	10.0 150	20.0 200	
t-Butyl alcohol	FB	Lin	 18517	926 42427	4171 61367	8562 88073		 200	20.0 400	40.0 600	80.0 800	
Acrylonitrile	FB	Ave	860 17834	1952 49432	4549 69597	8856 100023		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,2-Dichloroethylene	FB	Ave	5188 94904	10732 226829	25084 322319	46558 435380		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl tert-butyl ether	FB	Lin	4629 181568	21281 409836	44724 579109	83920 795831		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Hexane	FB	Ave	1882 31454	2981 74457	8398 115351	14771 157040		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloroethane	FB	Lin2	2957 110956	12893 266527	26660 370058	49561 505777		2.00 50.0	5.00 100	10.0 150	20.0 200	
Vinyl acetate	FB	Ave	10928 313300	35357 746125	77240 1039546	149811 1351439		4.00 100	10.0 200	20.0 300	40.0 400	
Isopropyl ether	FB	Ave	9649 180211	20682 438240	46886 631669	89273 844737		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-butyl ethyl ether	FB	Ave	8815 187592	20312 446771	43728 637110	86496 864312		2.00 50.0	5.00 100	10.0 150	20.0 200	
cis-1,2-Dichloroethylene	FB	Ave	5322 114241	13035 262576	26545 374408	51361 502137		2.00 50.0	5.00 100	10.0 150	20.0 200	
2,2-Dichloropropane	FB	Lin	906 105577	11995 248884	25680 330529	47034 460572		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl ethyl ketone (MEK)	FB	Ave	1798 22258	3073 66242	6880 82800	12982 116417		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Butadiene	FB	Ave	 7702	1007 15513	1841 20887	3174 31915		 50.0	5.00 100	10.0 150	20.0 200	
Propionitrile	DCB	Ave	 7702	1007 15650	1897 23043	3118 32109		 50.0	5.00 100	10.0 150	20.0 200	
Ethyl acetate	FB	Ave	2470 52649	5752 126164	14389 184618	26059 253047		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobromomethane	FB	Ave	1932 42781	5453 99521	10227 130678	20693 184686		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrahydrofuran	DCB	Lin	1501 13721	1925 32657	3699 46829	7509 64548		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chloroform	FB	Ave	8534 133585	15918 315094	34666 452143	64405 613902		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1-Trichloroethane	FB	Ave	6402 120518	12854 297861	27824 433639	56745 587793		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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	2719 53460	5965 131530	14399 198395	23657 275824		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1-Dichloropropene	FB	Ave	4590 75233	8206 191639	18524 279006	36470 374946		2.00 50.0	5.00 100	10.0 150	20.0 200	
Carbon tetrachloride	FB	Ave	5054 89436	9778 226437	22034 342246	44465 471738		2.00 50.0	5.00 100	10.0 150	20.0 200	
Benzene	FB	Ave	10892 214686	25777 503923	57794 726446	96614 971927	6363	2.00 50.0	5.00 100	10.0 150	20.0 200	1.00
1,2-Dichloroethane	FB	Ave	6889 139270	16835 323206	34640 444152	62813 608622		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isobutanol	FB	Ave	1256 26641	3349 60166	6509 88307	12309 123629		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tert-amyl methyl ether	FB	Ave	8417 165736	17522 403080	39639 581583	76561 794626		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butanol	FB	Lin	2879 21162	3384 30205	9619 37817	15930 67853		127 1050	255 1350	510 1650	770 2700	
Trichloroethene	FB	Ave	2774 62627	8264 151525	15740 220836	29010 311479		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methylcyclohexane	FB	Ave	2324 51446	5045 125717	11270 195233	23548 268711		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloropropane	FB	Ave	3385 55782	5998 127020	12465 185735	23602 252094		2.00 50.0	5.00 100	10.0 150	20.0 200	
Dibromomethane	FB	Ave	1530 41859	5442 97297	11100 141419	20382 191455		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromodichloromethane	FB	Ave	4835 100858	11161 246008	22856 349065	42042 486979		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chloroethyl vinyl ether	FB	Ave	1123 33746	3697 85098	7544 123851	13417 175340		4.00 100	10.0 200	20.0 300	40.0 400	
cis-1,3-Dichloropropene	FB	Lin2	1867 94586	8694 234261	19473 335323	41183 454236		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Methyl-2-pentanone (MIBK)	FB	Ave	2766 52487	5193 124172	11624 183851	25368 259598		2.00 50.0	5.00 100	10.0 150	20.0 200	
Toluene	FB	Ave	12495 237121	28142 574034	58502 810309	110551 1084936		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,3-Dichloropropene	FB	Lin2	1826 92085	8800 229810	19598 328605	39653 469452		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethyl methacrylate	FB	Ave	3743 74192	7060 177890	14956 267484	32983 372144		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2-Trichloroethane	FB	Ave	2573 46212	4746 110926	10421 154864	21696 218815		2.00 50.0	5.00 100	10.0 150	20.0 200	
Tetrachloroethylene	FB	Lin	1709 50523	6503 121258	13306 177494	22877 241082	1843	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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	4267 98874	10323 226333	22792 325227	44160 448785		2.00 50.0	5.00 100	10.0 150	20.0 200	
Methyl Butyl Ketone (2-Hexanone)	FB	Ave	1418 39034	3580 88445	9225 134598	15043 196402		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorodibromomethane	FB	Ave	2671 65639	5414 164261	14616 247274	27822 346922		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromoethane	FB	Ave	2904 64605	6224 157481	13807 219763	27023 305223		2.00 50.0	5.00 100	10.0 150	20.0 200	
Chlorobenzene	CBZ	Ave	8285 155243	16951 384746	38002 540926	71072 741288		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,1,2-Tetrachloroethane	CBZ	Lin2	1516 60387	5809 160092	14103 226679	26387 311640		2.00 50.0	5.00 100	10.0 150	20.0 200	
Ethylbenzene	CBZ	Ave	12811 243422	26959 593563	57078 840303	112419 1131387		2.00 50.0	5.00 100	10.0 150	20.0 200	
m-Xylene & p-Xylene	CBZ	Ave	20439 398667	42416 942804	100727 1296236	185148 1722135		4.00 100	10.0 200	20.0 300	40.0 400	
o-Xylene	CBZ	Ave	10090 214448	20976 524536	49319 734375	95636 1001597		2.00 50.0	5.00 100	10.0 150	20.0 200	
Styrene	CBZ	Ave	6937 163446	16488 398421	37947 563779	71124 768913		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromoform	CBZ	Lin	1186 33795	2781 84680	6631 130512	13311 189279		2.00 50.0	5.00 100	10.0 150	20.0 200	
Isopropylbenzene	DCB	Ave	9716 205167	21825 506589	48144 722418	89497 984470		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,1,2,2-Tetrachloroethane	DCB	Ave	3359 62010	6446 146515	15344 207937	28266 287332		2.00 50.0	5.00 100	10.0 150	20.0 200	
Bromobenzene	DCB	Ave	5424 106949	11293 263373	31033 380865	49505 516287		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichloropropane	DCB	Ave	3367 75285	8027 189642	16848 264290	33454 376968		2.00 50.0	5.00 100	10.0 150	20.0 200	
trans-1,4-Dichloro-2-butene	DCB	Lin	615 20772	1759 55489	4478 80278	8435 115560		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Propylbenzene	DCB	Ave	10672 232605	23474 561873	56992 814688	102673 1098446		2.00 50.0	5.00 100	10.0 150	20.0 200	
2-Chlorotoluene	DCB	Ave	8614 164684	18288 408976	40266 570847	74935 794243		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3,5-Trimethylbenzene	DCB	Ave	8141 187582	18512 445545	40581 643001	82096 871429		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Chlorotoluene	DCB	Ave	9037 205594	20968 478300	48322 674027	90996 904162		2.00 50.0	5.00 100	10.0 150	20.0 200	
tert-Butylbenzene	DCB	Ave	7111 147345	14084 363174	33886 524956	65538 726584		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.: 510-62781-1 Analy Batch No.: 77114

SDG No.:

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

Calibration Start Date: 03/09/2011 13:45 Calibration End Date: 03/09/2011 19:38 Calibration ID: 3794

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	8277 195674	18581 457997	42848 670295	86148 907525		2.00 50.0	5.00 100	10.0 150	20.0 200	
sec-Butylbenzene	DCB	Ave	8031 195784	18405 478459	49020 704463	84041 944894		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,3-Dichlorobenzene	DCB	Ave	5236 102893	10553 254102	24549 360850	46920 494241		2.00 50.0	5.00 100	10.0 150	20.0 200	
4-Isopropyltoluene	DCB	Ave	7287 174600	16259 426369	40726 620580	77223 850076		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,4-Dichlorobenzene	DCB	Ave	6584 108744	12361 257485	25548 373196	48753 500875		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trimethylbenzene	DCB	Ave	9171 203139	20549 493788	46615 696128	89904 948296		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichlorobenzene	DCB	Ave	5609 101999	11885 243525	24223 347300	42972 476441		2.00 50.0	5.00 100	10.0 150	20.0 200	
n-Butylbenzene	DCB	Ave	5570 150115	15137 372468	40462 547110	68122 755854		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dibromo-3-Chloropropane	DCB	Ave	 9013	725 21912	2163 32868	4528 50728		 50.0	5.00 100	10.0 150	20.0 200	
1,2,4-Trichlorobenzene	DCB	Lin	1932 47545	2891 124824	13431 176996	20559 254570		2.00 50.0	5.00 100	10.0 150	20.0 200	
Hexachlorobutadiene	DCB	Lin	1834 28003	3371 72651	14266 106242	13493 150440		2.00 50.0	5.00 100	10.0 150	20.0 200	
Naphthalene	DCB	Ave	2965 95551	7852 229448	18766 337844	39158 481139		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2,3-Trichlorobenzene	DCB	Lin	1449 35422	2887 80058	11111 116006	15829 169715		2.00 50.0	5.00 100	10.0 150	20.0 200	
1,2-Dichloroethane-d4 (Surr)	FB	Ave	104390 115182	119466 112497	123513 115998	116585 119042	122837	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
Toluene-d8 (Surr)	FB	Ave	262784 257404	252534 265614	265090 269939	257375 275370	262063	50.0 50.0	50.0 50.0	50.0 50.0	50.0 50.0	50.0
4-Bromofluorobenzene (Surr)	DCB	Ave	105242 107882	101289 111973	108106 112197	107414 114018	102720	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

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6481.D		
Lims ID:	STD001	Client ID:	
Inject. Date:	09-Mar-2011 13:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD001		
Misc. Info.:	510-0004502-002 =510-0004502-002		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77114	Lims Sample ID:	2
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 14:36:00	Calib Date:	09-Mar-2011 13:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6481.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 14:36:00

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.608	5.609	-0.001	97	253237	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.809	-0.001	87	124303	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.546	-0.001	96	87037	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.267	5.268	-0.001	0	122837	50.0	
$ 7 Toluene-d8 (Surr)	98	7.232	7.233	-0.001	95	262063	50.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.165	-0.001	81	102720	50.0	
47 Benzene	78	5.340	5.341	-0.001	73	6363	1.00	
63 Tetrachloroethene	166	7.883	7.883	0.0	0	1843	1.00	M

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 14:36:01 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6481.D

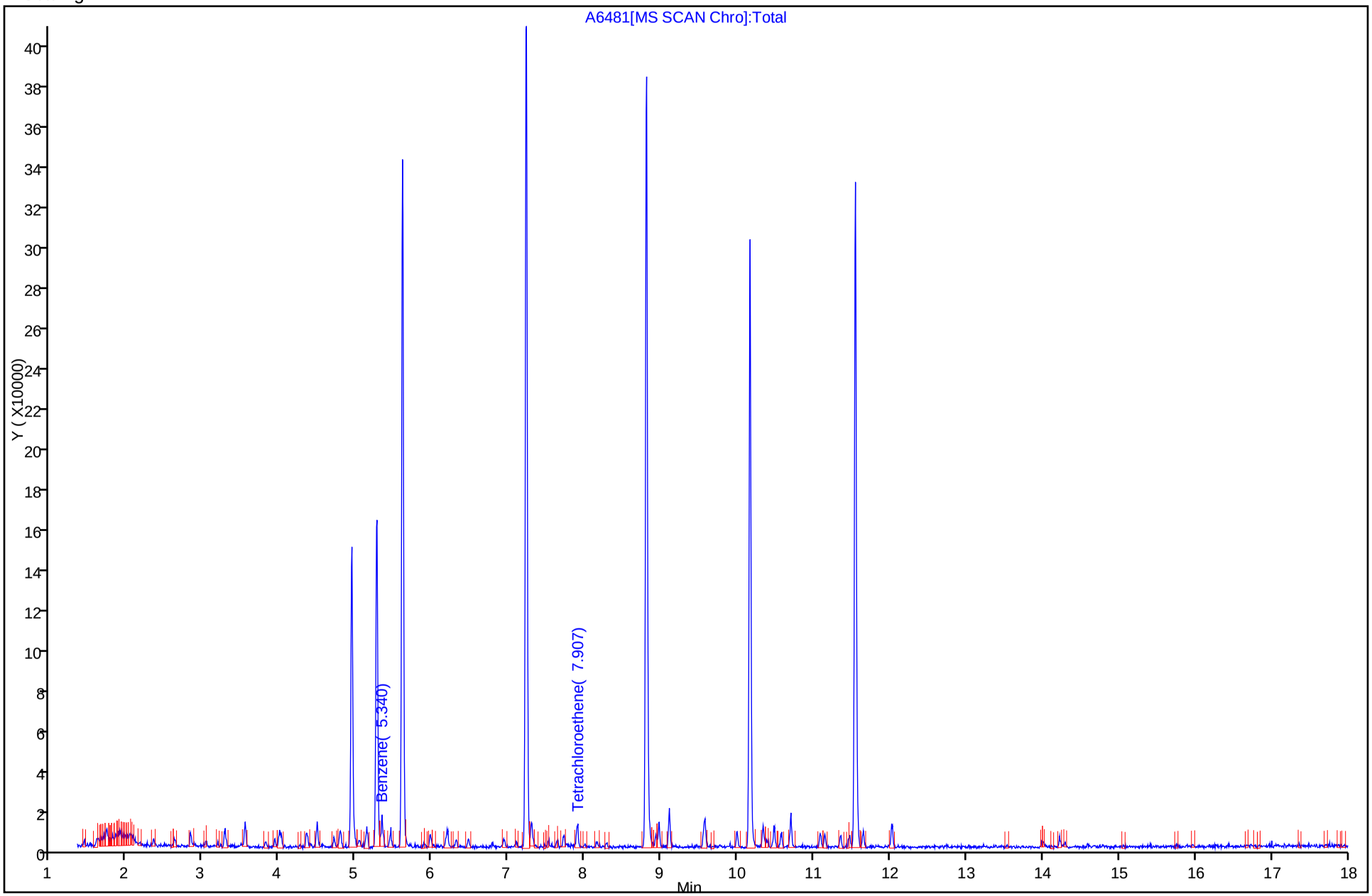
Injection Date: 09-Mar-2011 13:45:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 2

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 14:36:01 Chrom Revision: 1.2 17-Feb-2011 18:05:56

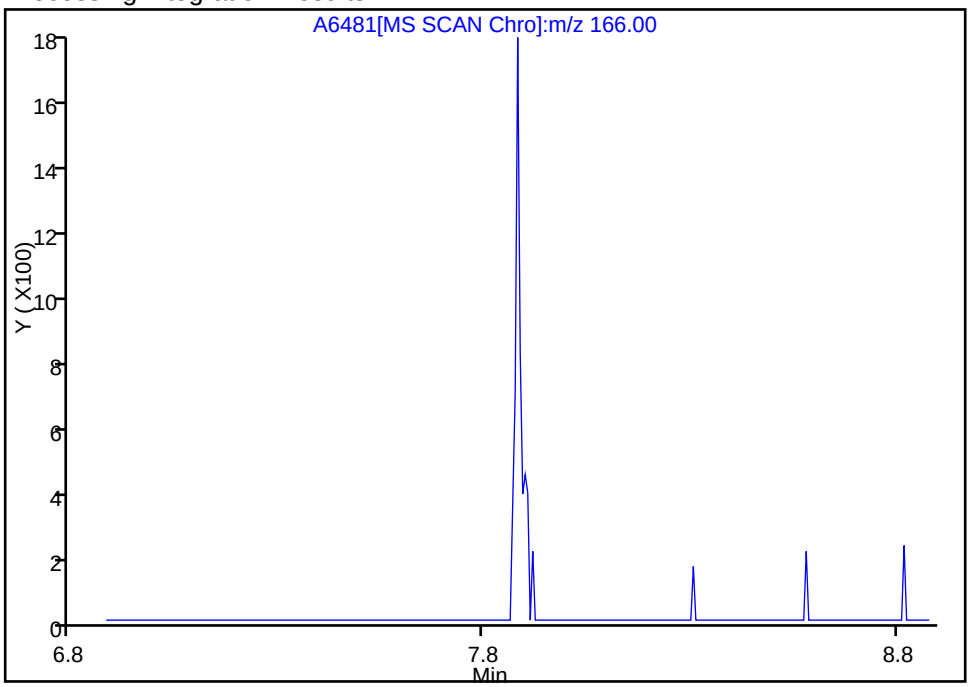
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6481.D
Injection Date: 09-Mar-2011 13:45:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 2
Operator ID: JLH

63 Tetrachloroethene, Signal: 1, m/z: 166.0 Type: quant, RT: 7.88

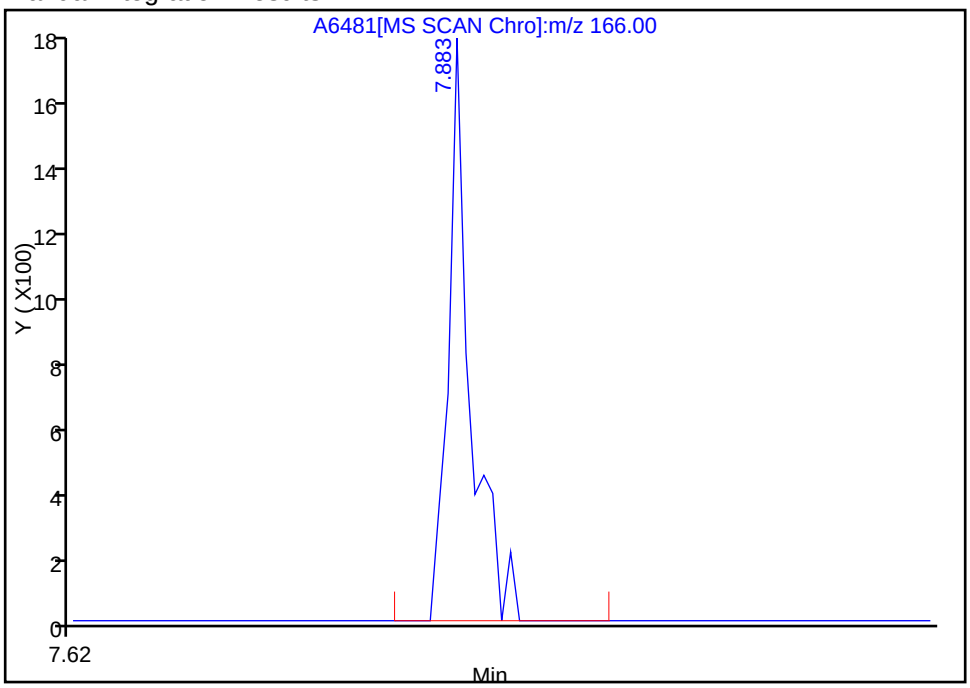
Processing Integration Results

Not Detected
Expected RT: 7.88



Manual Integration Results

RT: 7.88
Response: 1843
Amount: 1.000000



Reviewer: hallj, 09-Mar-2011 14:36:00
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Lims ID:	STD002	Client ID:	
Inject. Date:	09-Mar-2011 14:17:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD002		
Misc. Info.:	510-0004502-003 =510-0004502-003		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	77114	Lims Sample ID:	3
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 15:17:39	Calib Date:	09-Mar-2011 14:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 14:56:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.608	5.609	-0.001	98	268882	50.0	
* 2 Chlorobenzene-d5	82	8.802	8.809	-0.007	88	127870	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.546	-0.001	99	84261	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.268	0.005	0	104390	43.3	
$ 7 Toluene-d8 (Surr)	98	7.232	7.233	-0.001	92	262784	48.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.165	0.0	79	105242	51.8	
12 Dichlorodifluoromethane	85	1.435	1.435	0.0	99	6361	2.14	M
13 Chloromethane	50	1.605	1.612	-0.007	95	3760	2.02	
14 Vinyl chloride	62	1.696	1.697	-0.001	39	1972	1.59	
15 Bromomethane	94	2.007	2.007	0.0	0	715	2.00	M
16 Chloroethane	64	2.098	2.087	0.011	80	2524	2.00	
17 Trichlorofluoromethane	101	2.341	2.342	-0.001	69	7626	2.00	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.633	2.622	0.011	80	4182	2.21	
19 Acrolein	56	2.724	2.725	-0.001	27	162	2.01	
20 1,1-Dichloroethene	61	2.834	2.829	0.005	83	6014	2.15	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.841	0.005	51	2432	2.18	
22 Acetone	43	2.883	2.883	0.0	0	1795	2.00	M
23 Iodomethane	142	2.968	2.968	0.0	0	93	0.9337	M
24 Carbon disulfide	76	3.041	3.036	0.005	93	6613	2.05	
25 Methyl acetate	43	3.199	3.199	0.0	1	942	2.00	M
26 Methylene Chloride	84	3.278	3.280	-0.002	81	4001	2.00	
28 Acrylonitrile	53	3.503	3.504	-0.001	40	860	2.04	
29 trans-1,2-Dichloroethene	61	3.540	3.541	-0.001	93	5188	2.13	
30 Methyl tert-butyl ether	73	3.546	3.547	-0.001	92	4629	2.00	
31 Hexane	57	3.819	3.819	0.0	0	1882	2.00	M
32 1,1-Dichloroethane	63	3.935	3.936	-0.001	66	2957	2.00	
33 Vinyl acetate	43	3.990	3.986	0.004	98	10928	4.00	M
34 Isopropyl ether	45	4.014	4.010	0.004	0	9649	2.10	M
35 Tert-butyl ethyl ether	59	4.355	4.356	-0.001	96	8815	2.02	
36 cis-1,2-Dichloroethene	61	4.483	4.484	-0.001	84	5322	1.96	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
37 2,2-Dichloropropane	77	4.489	4.489	0.0	0	906	0.6046	M
38 2-Butanone (MEK)	43	4.501	4.496	0.005	72	1798	2.00	
101 Ethyl acetate	43	4.562	4.562	0.0	0	2470	2.01	M
40 Chlorobromomethane	130	4.714	4.715	-0.001	80	1932	1.82	
41 Tetrahydrofuran	42	4.775	4.758	0.017	0	1501	2.00	M
42 Chloroform	83	4.793	4.788	0.005	88	8534	2.00	
43 1,1,1-Trichloroethane	97	4.981	4.982	-0.001	83	6402	2.16	
44 Cyclohexane	56	5.042	5.043	-0.001	87	2719	2.07	
46 1,1-Dichloropropene	75	5.134	5.134	0.0	83	4590	2.00	
45 Carbon tetrachloride	117	5.146	5.141	0.005	83	5054	2.20	
47 Benzene	78	5.340	5.341	-0.001	91	10892	1.85	
48 1,2-Dichloroethane	62	5.346	5.341	0.005	81	6889	1.96	
50 Isobutyl alcohol	41	5.450	5.450	0.0	1	1256	1.88	M
49 Tert-amyl methyl ether	73	5.456	5.451	0.005	94	8417	2.12	
102 n-Butanol	56	5.888	5.888	0.0	0	2879	127.0	M
51 Trichloroethene	132	5.985	5.985	0.0	0	2774	2.00	M
52 Methylcyclohexane	83	6.186	6.187	-0.001	67	2324	2.08	
53 1,2-Dichloropropane	63	6.198	6.199	-0.001	81	3385	2.00	
54 Dibromomethane	93	6.314	6.309	0.005	44	1530	2.00	
55 Dichlorobromomethane	83	6.472	6.473	-0.001	74	4835	2.02	
56 2-Chloroethyl vinyl ether	63	6.794	6.783	0.011	35	1123	4.00	
60 cis-1,3-Dichloropropene	75	6.940	6.941	-0.001	82	1867	2.00	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.099	-0.001	75	2766	2.00	
59 Toluene	91	7.305	7.300	0.005	97	12495	2.05	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	52	1826	2.00	M
61 Ethyl methacrylate	69	7.634	7.634	0.0	0	3743	2.00	M
62 1,1,2-Trichloroethane	83	7.713	7.720	-0.007	65	2573	2.00	
63 Tetrachloroethene	166	7.901	7.883	0.018	1	1709	2.00	
64 1,3-Dichloropropane	76	7.901	7.909	-0.008	82	4267	1.97	
65 2-Hexanone	43	8.011	8.011	0.0	94	1418	1.93	M
66 Chlorodibromomethane	129	8.157	8.152	0.005	57	2671	2.15	
67 Ethylene Dibromide	107	8.279	8.280	-0.001	81	2904	2.10	
68 Chlorobenzene	112	8.838	8.839	-0.001	74	8285	2.14	
69 1,1,1,2-Tetrachloroethane	131	8.924	8.931	-0.007	83	1516	2.00	
70 Ethylbenzene	91	8.966	8.973	-0.007	96	12811	2.11	
71 m-Xylene & p-Xylene	91	9.106	9.107	-0.001	0	20439	4.25	
72 o-Xylene	91	9.562	9.563	-0.001	93	10090	2.13	
73 Styrene	104	9.568	9.575	-0.007	88	6937	1.99	
74 Bromoform	173	9.769	9.776	-0.007	1	1186	2.01	
75 Isopropylbenzene	105	9.994	9.995	-0.001	98	9716	2.12	
76 1,1,2,2-Tetrachloroethane	83	10.329	10.336	-0.007	80	3359	2.00	
77 Bromobenzene	77	10.335	10.336	-0.001	85	5424	2.19	
78 1,2,3-Trichloropropane	75	10.384	10.378	0.006	11	3367	2.06	
79 trans-1,4-Dichloro-2-butene	53	10.396	10.396	0.0	1	615	1.88	M
80 N-Propylbenzene	91	10.481	10.482	-0.001	98	10672	2.14	
81 2-Chlorotoluene	91	10.578	10.573	0.005	79	8614	2.18	
82 1,3,5-Trimethylbenzene	105	10.688	10.688	0.0	0	8141	2.11	M
83 4-Chlorotoluene	91	10.706	10.701	0.005	75	9037	2.09	
84 tert-Butylbenzene	119	11.083	11.084	-0.001	89	7111	2.00	
85 1,2,4-Trimethylbenzene	105	11.150	11.145	0.005	43	8277	2.12	
86 sec-Butylbenzene	105	11.351	11.346	0.005	90	8031	2.10	
87 1,3-Dichlorobenzene	146	11.466	11.467	-0.001	97	5236	2.00	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
88 4-Isopropyltoluene	119	11.533	11.528	0.005	31	7287	2.13	
89 1,4-Dichlorobenzene	146	11.570	11.572	-0.002	0	6584	2.00	M
99 1,2,3-Trimethylbenzene	105	11.643	11.650	-0.007	0	9171	2.12	
91 1,2-Dichlorobenzene	146	12.014	12.021	-0.007	89	5609	2.18	
90 n-Butylbenzene	91	12.026	12.027	-0.001	97	5570	1.93	
93 1,2,4-Trichlorobenzene	180	13.997	13.992	0.005	71	1932	2.00	
94 Hexachlorobutadiene	225	14.228	14.229	-0.001	26	1834	2.00	
95 Naphthalene	128	14.289	14.289	0.0	0	2965	1.95	M
96 1,2,3-Trichlorobenzene	180	14.593	14.594	-0.001	67	1449	2.00	
S 98 Xylenes, Total	100				0		6.38	
S 97 Total 1,2-dichloroethene	100				0		4.09	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 15:17:39 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D

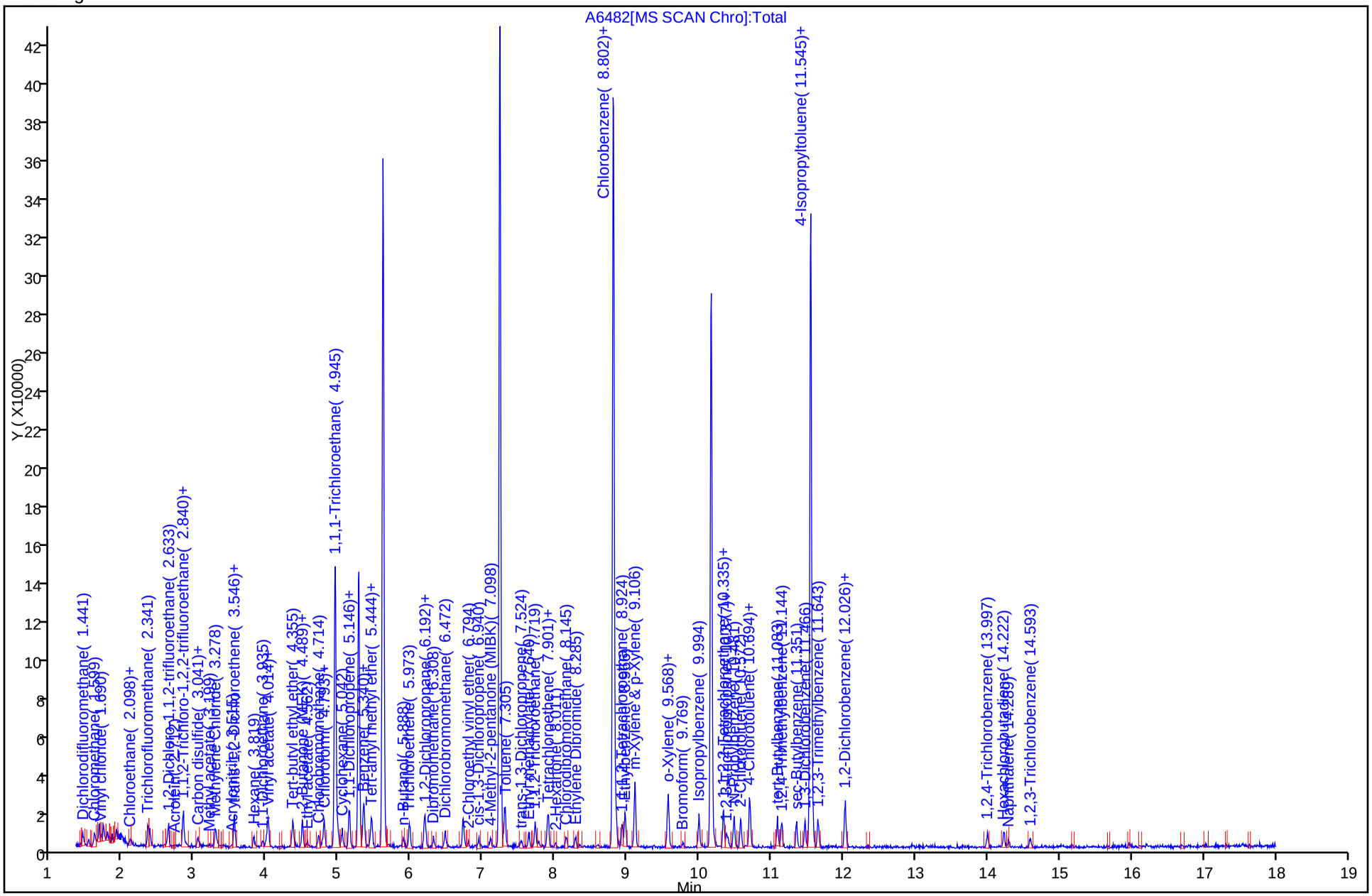
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 3

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

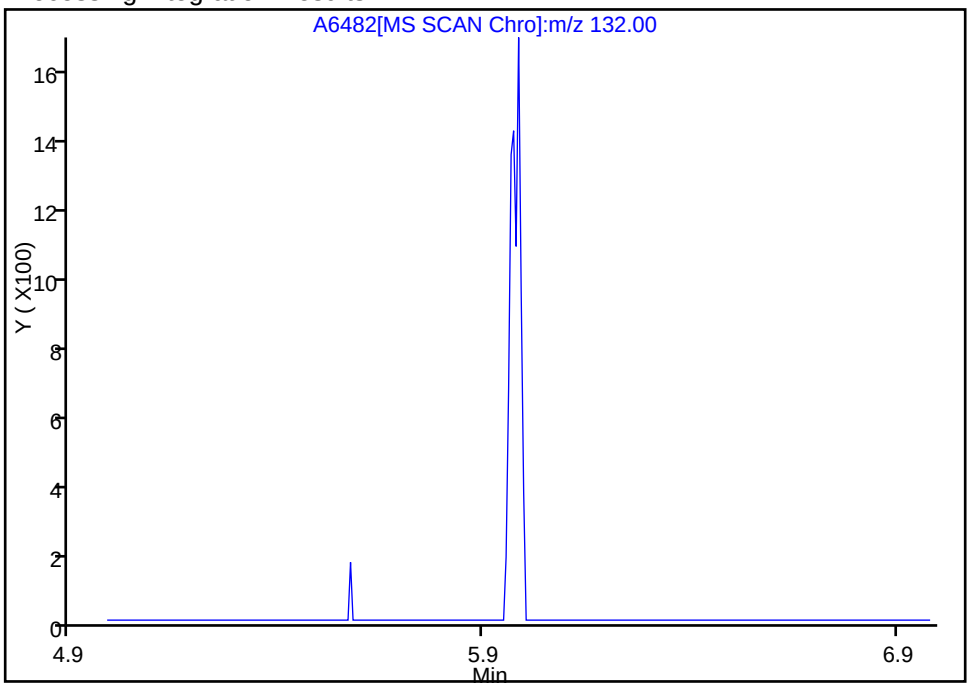
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

51 Trichloroethene, Signal: 1, m/z: 132.0 Type: quant, RT: 5.99

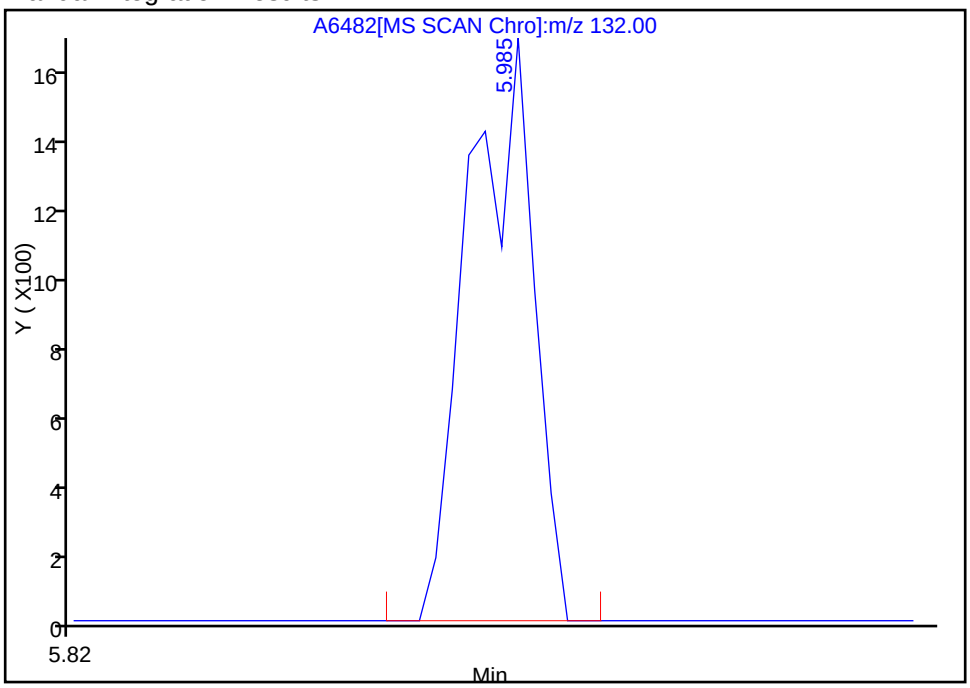
Not Detected
Expected RT: 5.99

Processing Integration Results



Manual Integration Results

RT: 5.99
Response: 2774
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

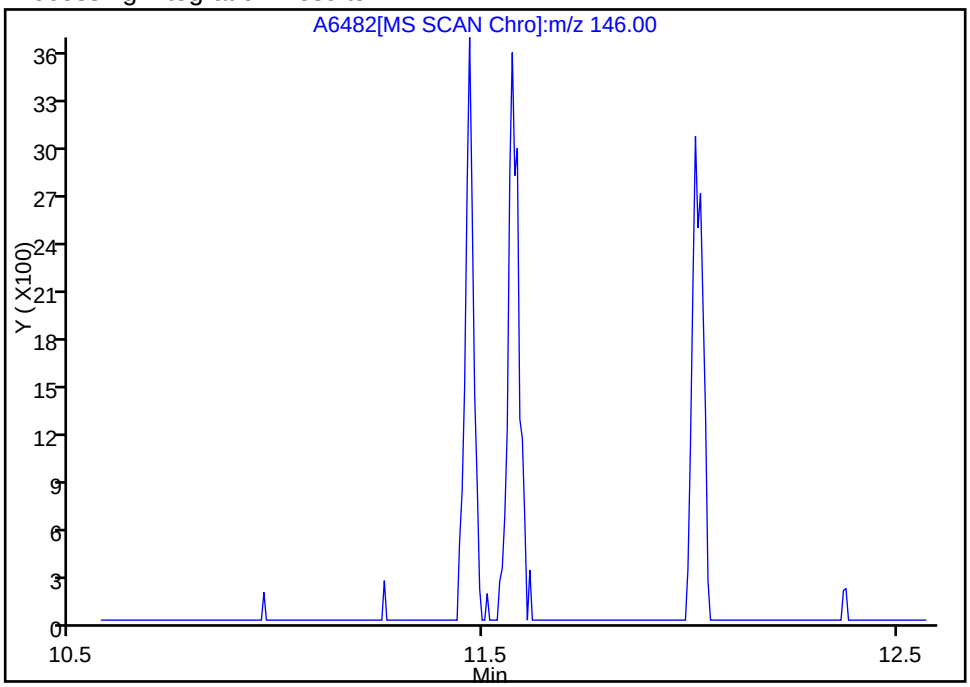
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.57

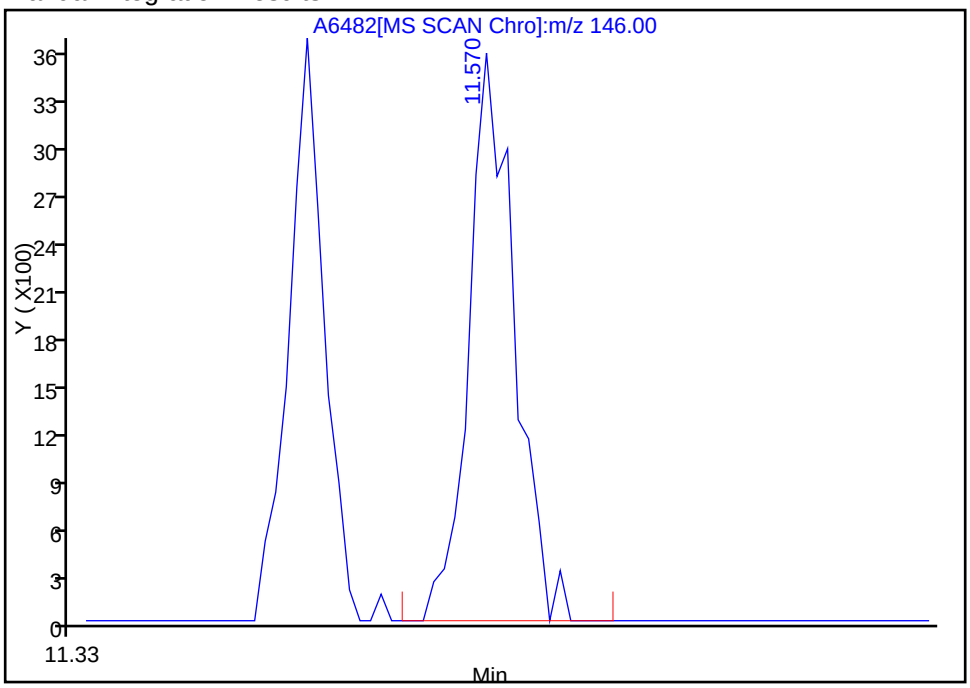
Not Detected
Expected RT: 11.57

Processing Integration Results



Manual Integration Results

RT: 11.57
Response: 6584
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D

Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

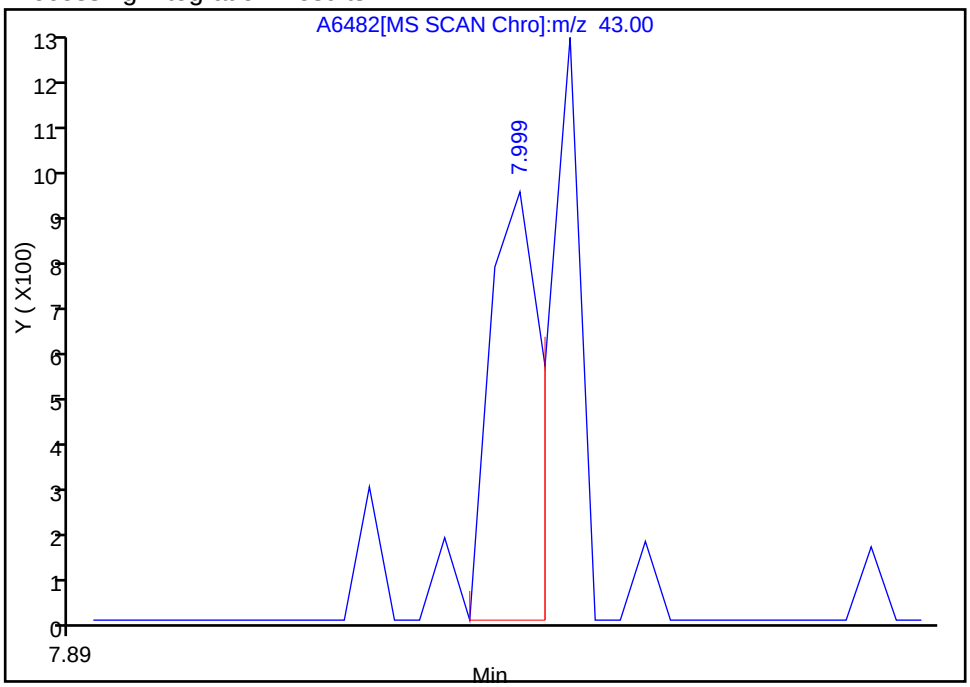
Lims Batch ID: 77114 Lims Sample ID: 3

Operator ID: JLH

65 2-Hexanone, Signal: 1, m/z: 43.0 Type: quant, RT: 8.01

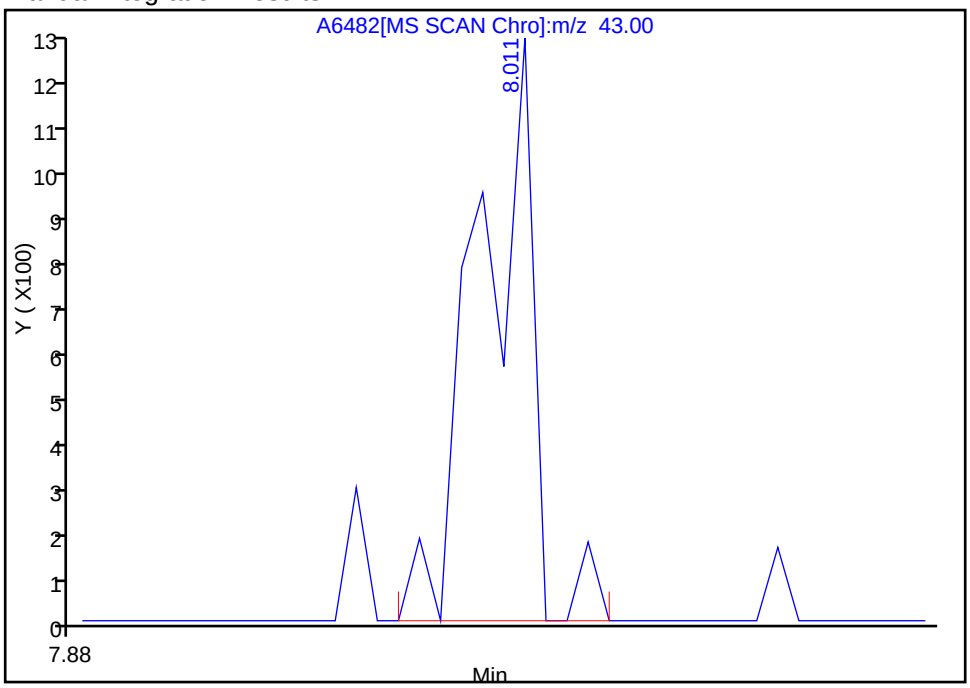
Processing Integration Results

RT: 8.00
Response: 825
Amount: 2.000000



Manual Integration Results

RT: 8.01
Response: 1418
Amount: 1.931471



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

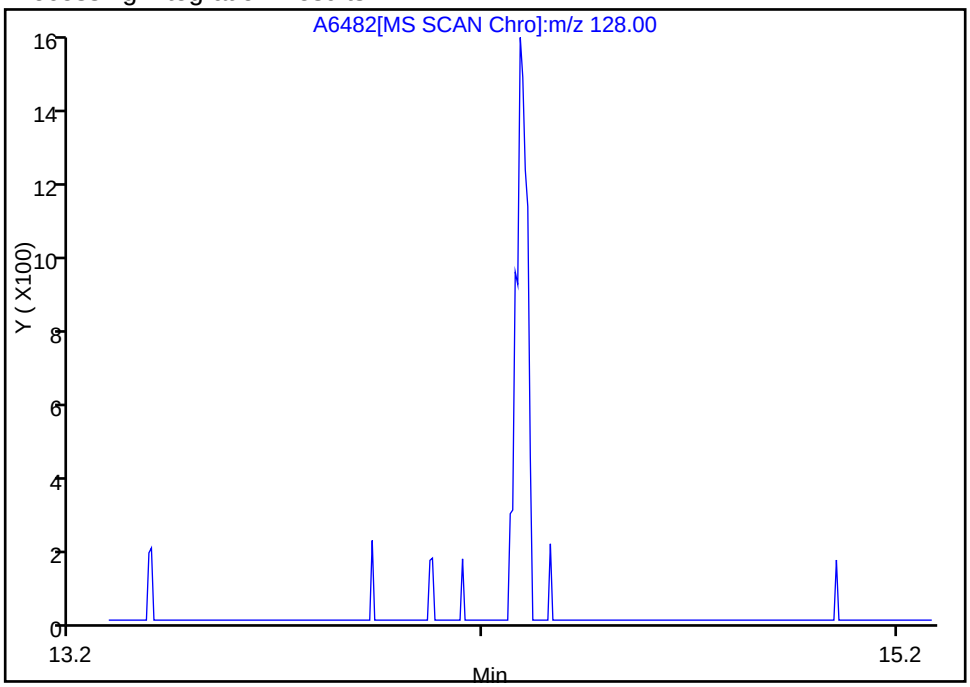
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

95 Naphthalene, Signal: 1, m/z: 128.0 Type: quant, RT: 14.29

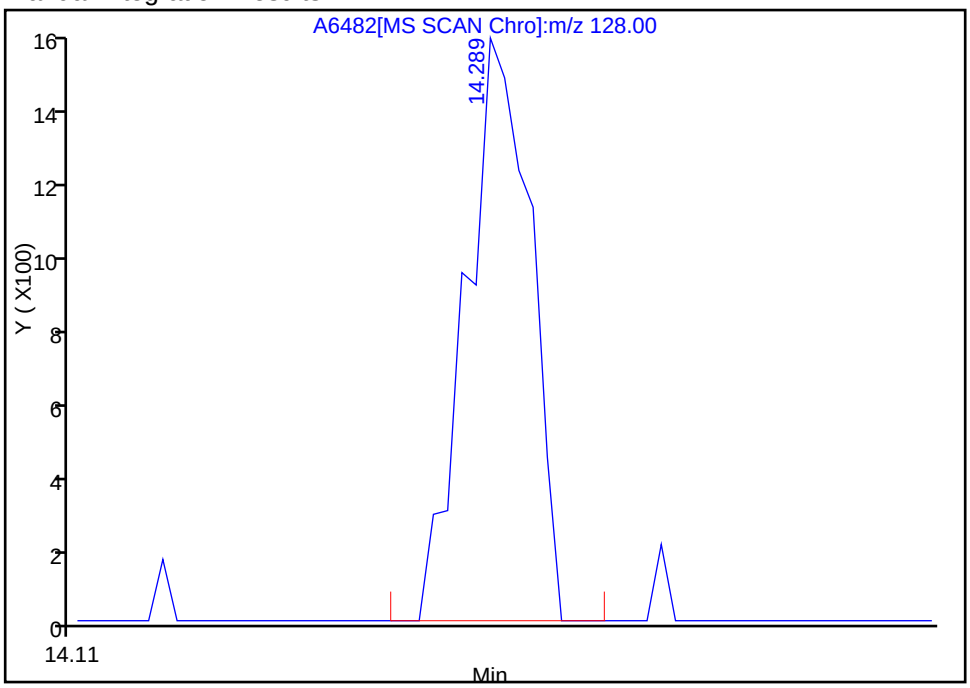
Not Detected
Expected RT: 14.29

Processing Integration Results



Manual Integration Results

RT: 14.29
Response: 2965
Amount: 1.954651



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

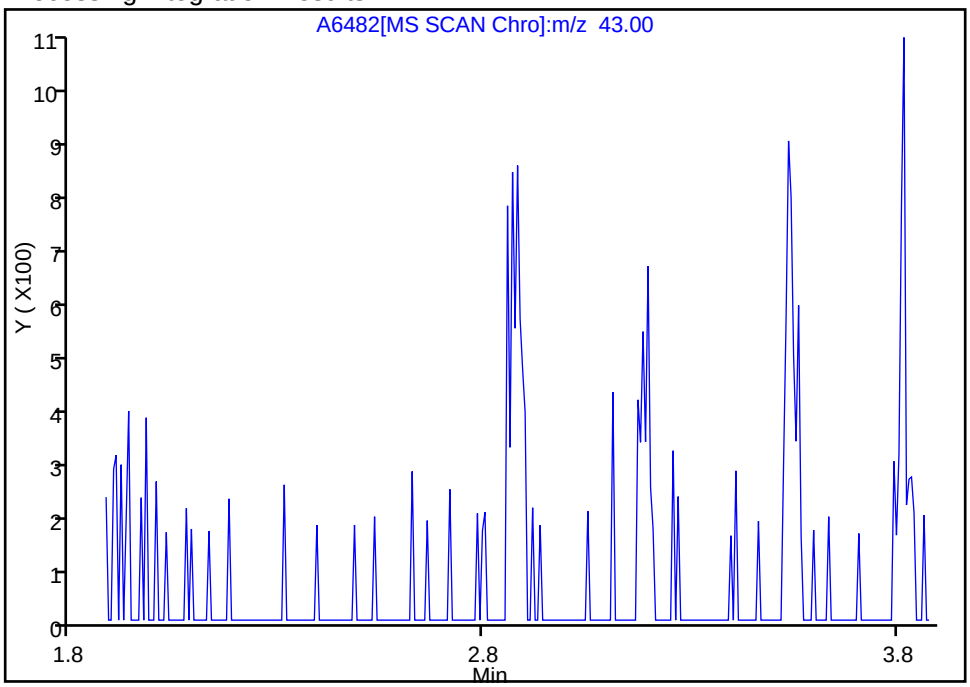
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

22 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 2.88

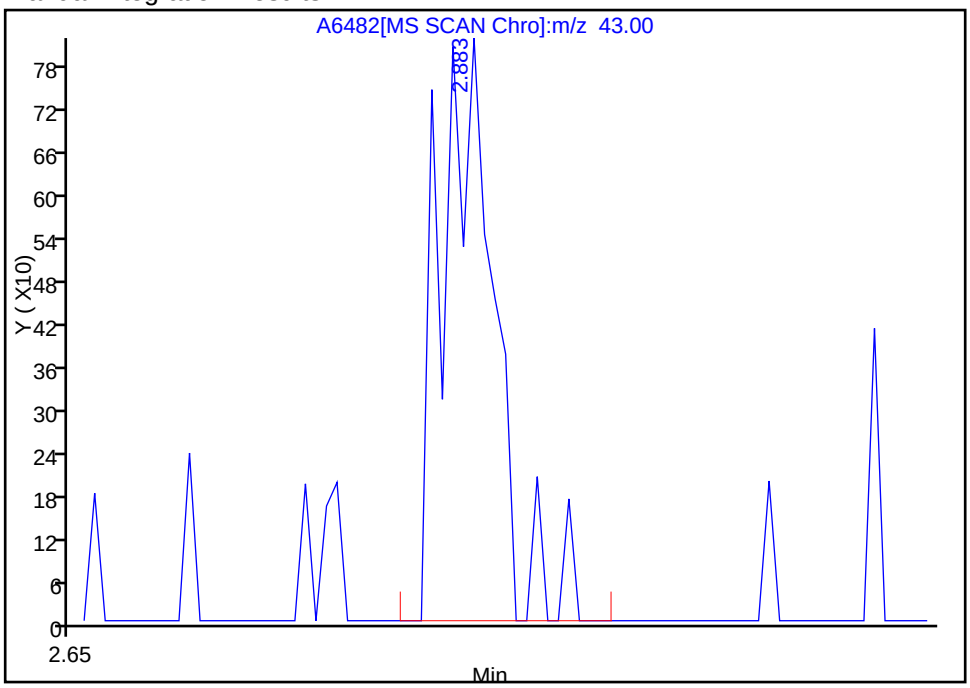
Not Detected
Expected RT: 2.88

Processing Integration Results



Manual Integration Results

RT: 2.88
Response: 1795
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

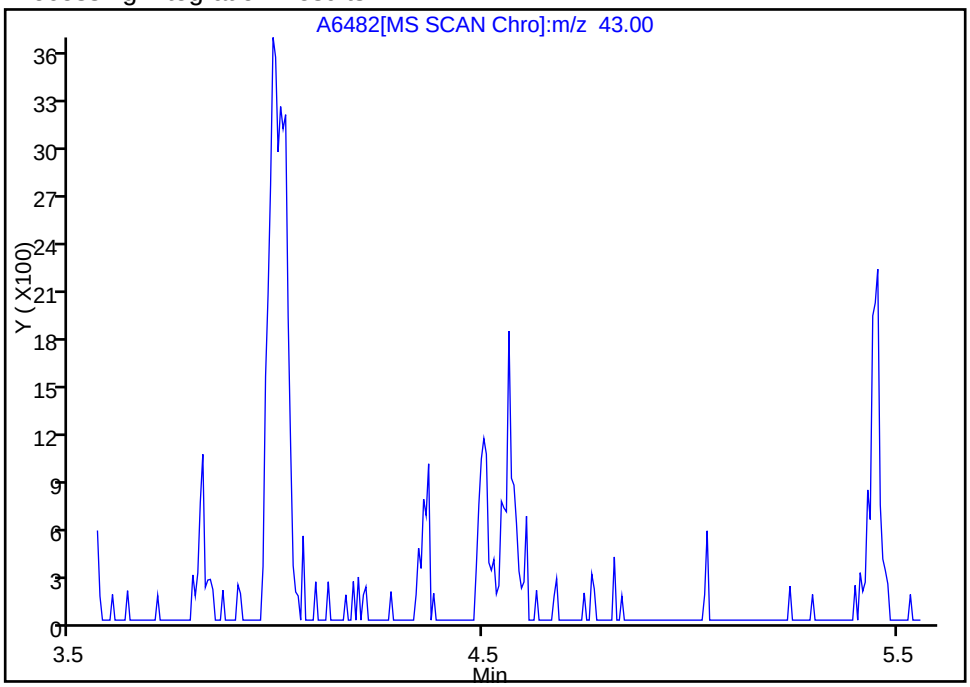
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

101 Ethyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 4.56

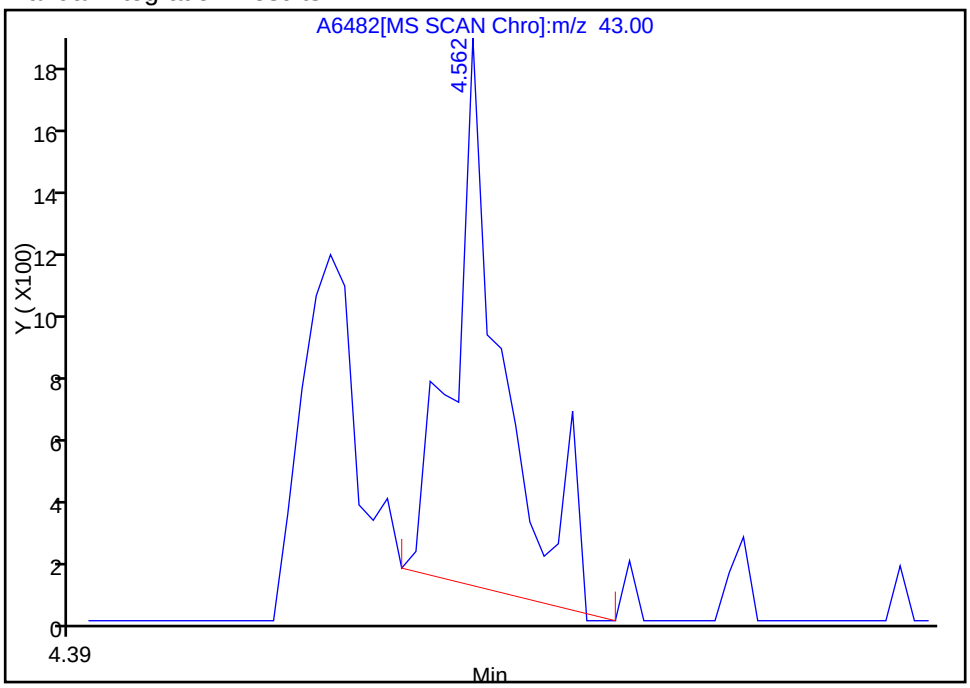
Processing Integration Results

Not Detected
Expected RT: 4.56



Manual Integration Results

RT: 4.56
Response: 2470
Amount: 2.012230



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

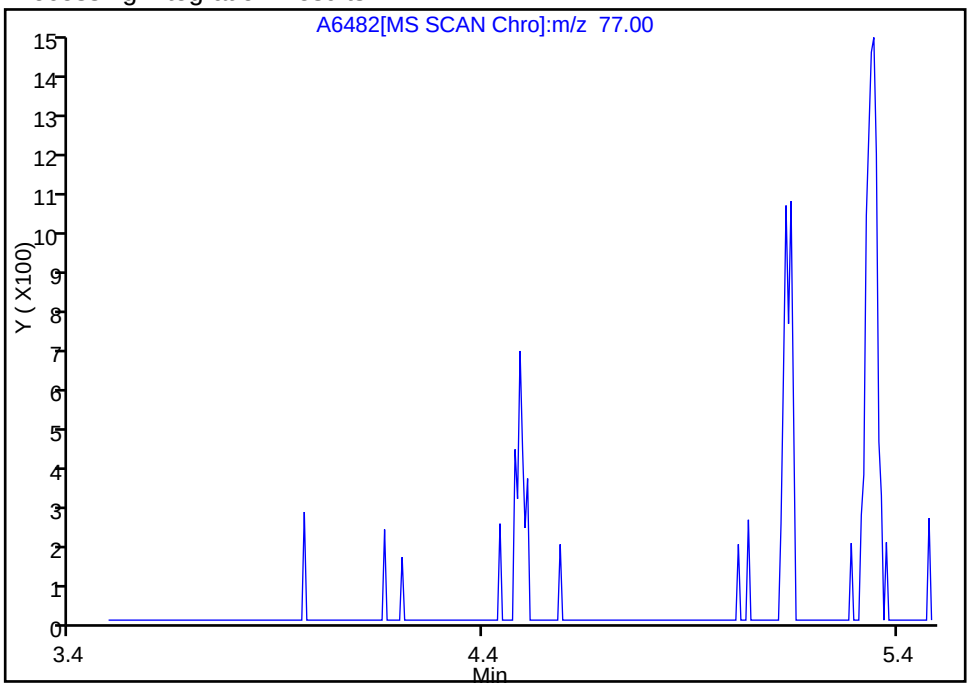
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

37 2,2-Dichloropropane, Signal: 1, m/z: 77.0 Type: quant, RT: 4.49

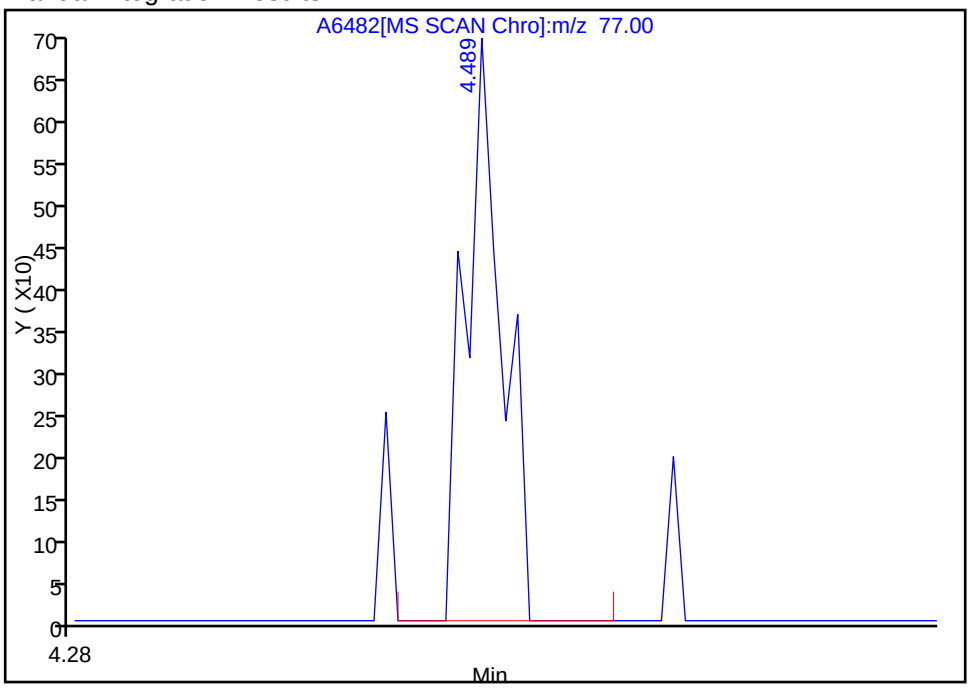
Processing Integration Results

Not Detected
Expected RT: 4.49



Manual Integration Results

RT: 4.49
Response: 906
Amount: 0.604581



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

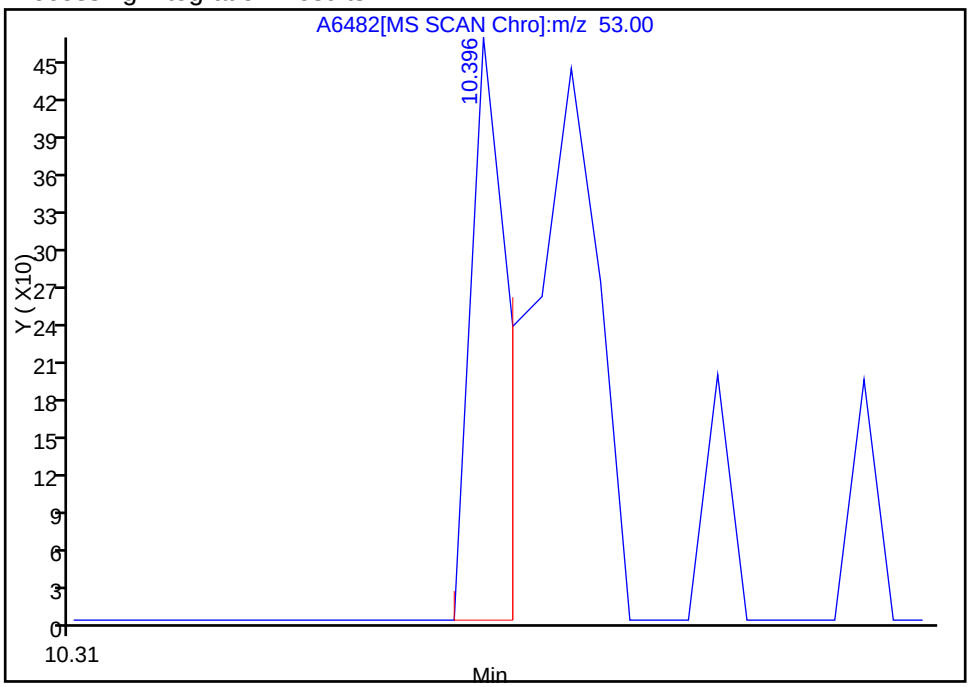
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	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

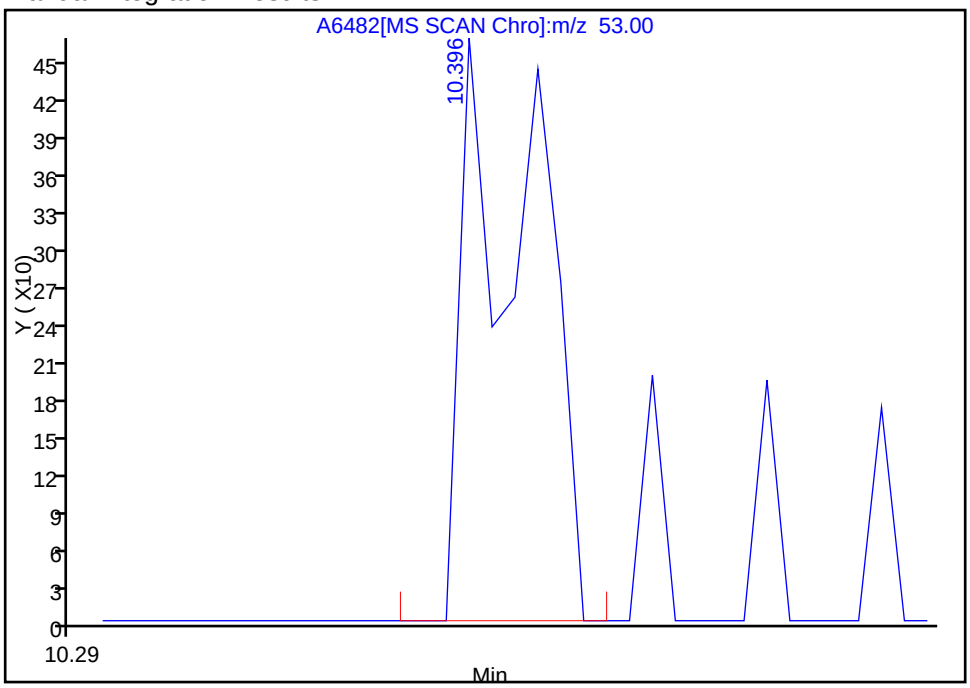
Processing Integration Results

RT: 10.40
Response: 258
Amount: 2.000000



Manual Integration Results

RT: 10.40
Response: 615
Amount: 1.877808



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

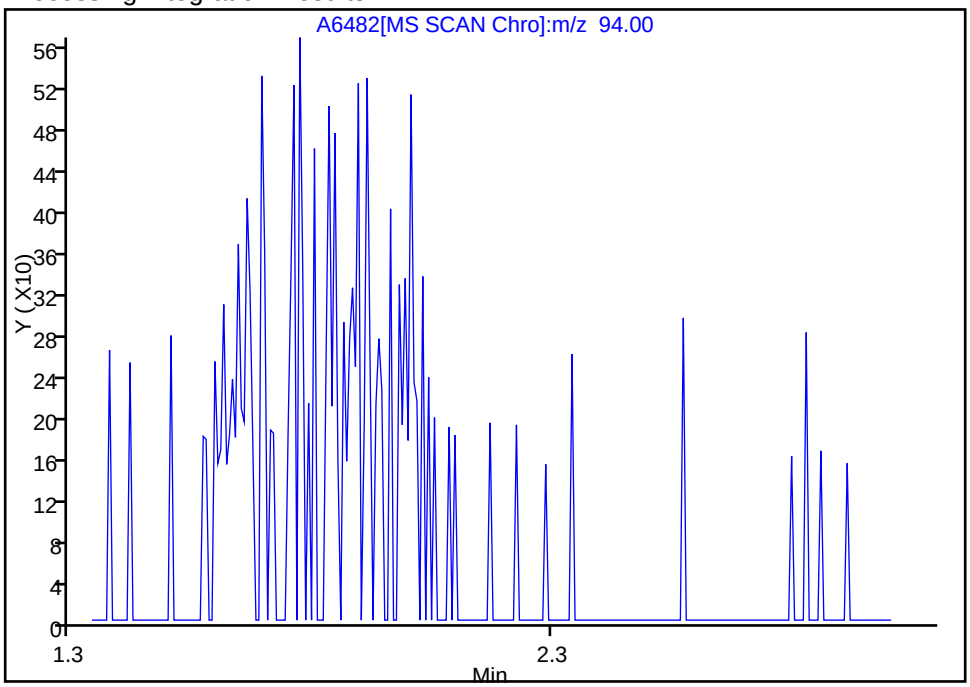
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

15 Bromomethane, Signal: 1, m/z: 94.0 Type: quant, RT: 2.01

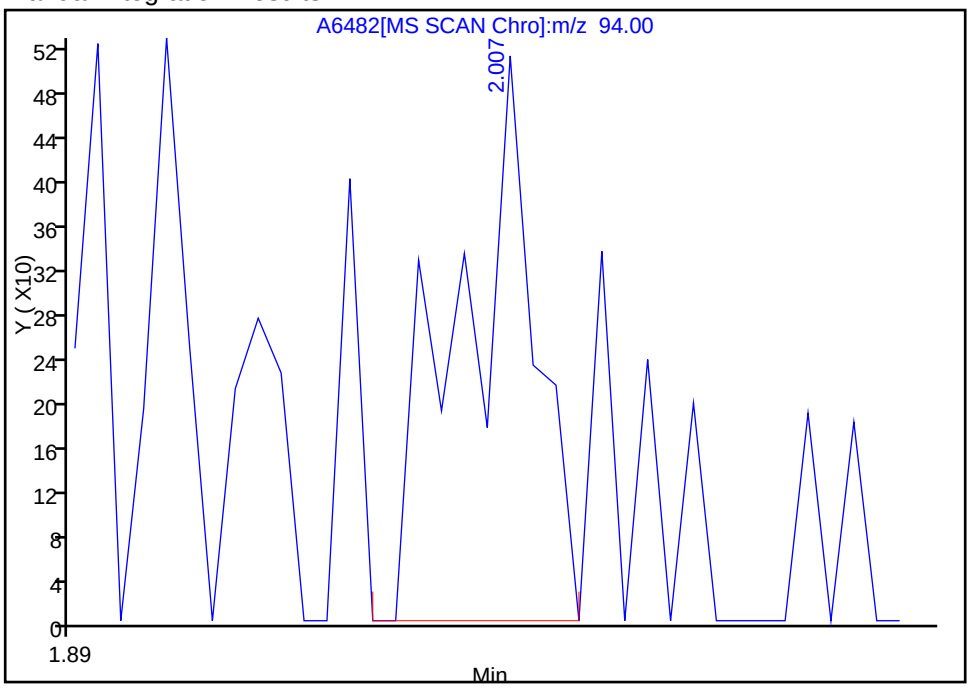
Not Detected
Expected RT: 2.01

Processing Integration Results



Manual Integration Results

RT: 2.01
Response: 715
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D

Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

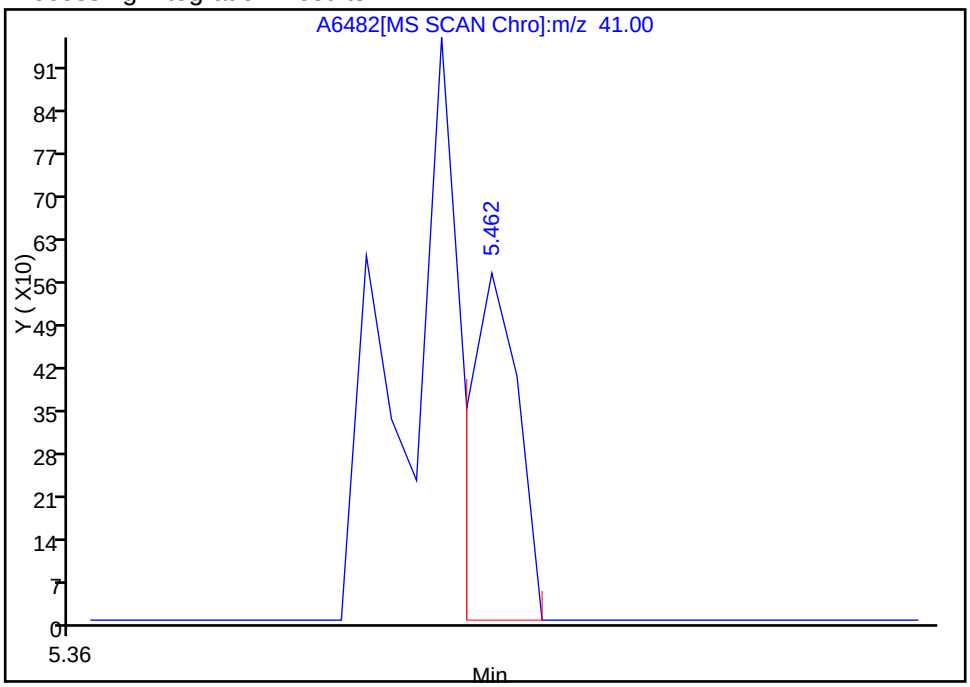
Lims Batch ID: 77114 Lims Sample ID: 3

Operator ID: JLH

50 Isobutyl alcohol, Signal: 1, m/z: 41.0 Type: quant, RT: 5.45

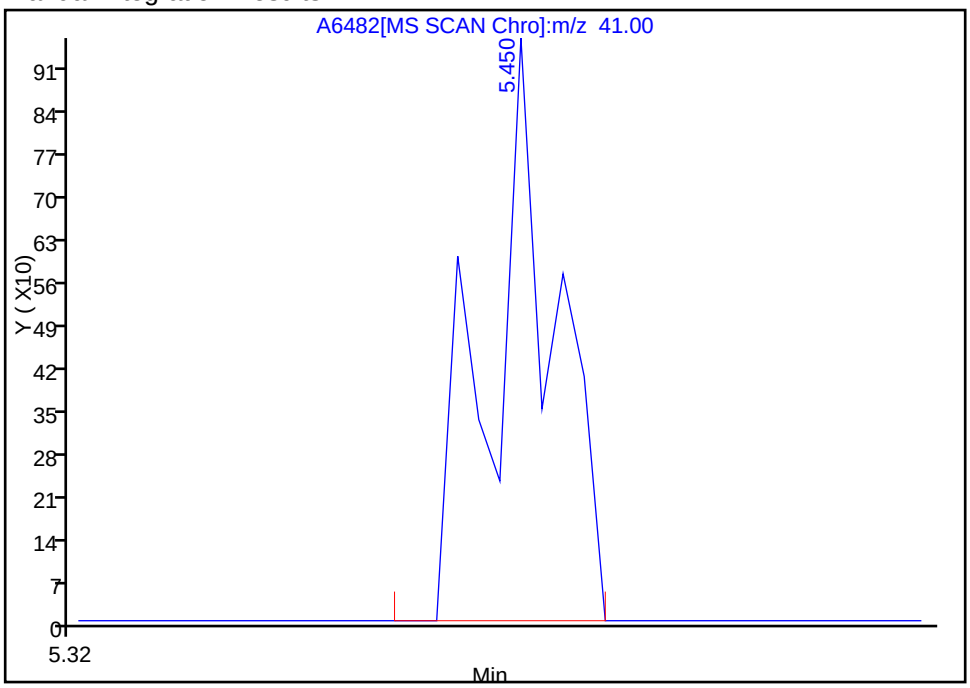
Processing Integration Results

RT: 5.46
Response: 483
Amount: 2.000000



Manual Integration Results

RT: 5.45
Response: 1256
Amount: 1.876985



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D

Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 3

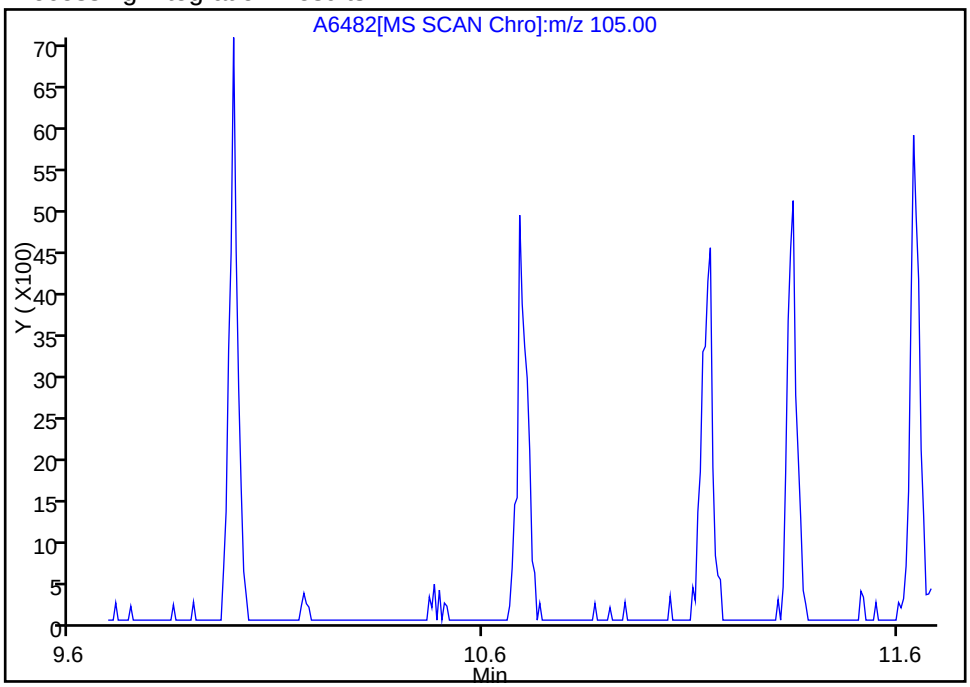
Operator ID: JLH

82 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 10.69

Not Detected

Expected RT: 10.69

Processing Integration Results

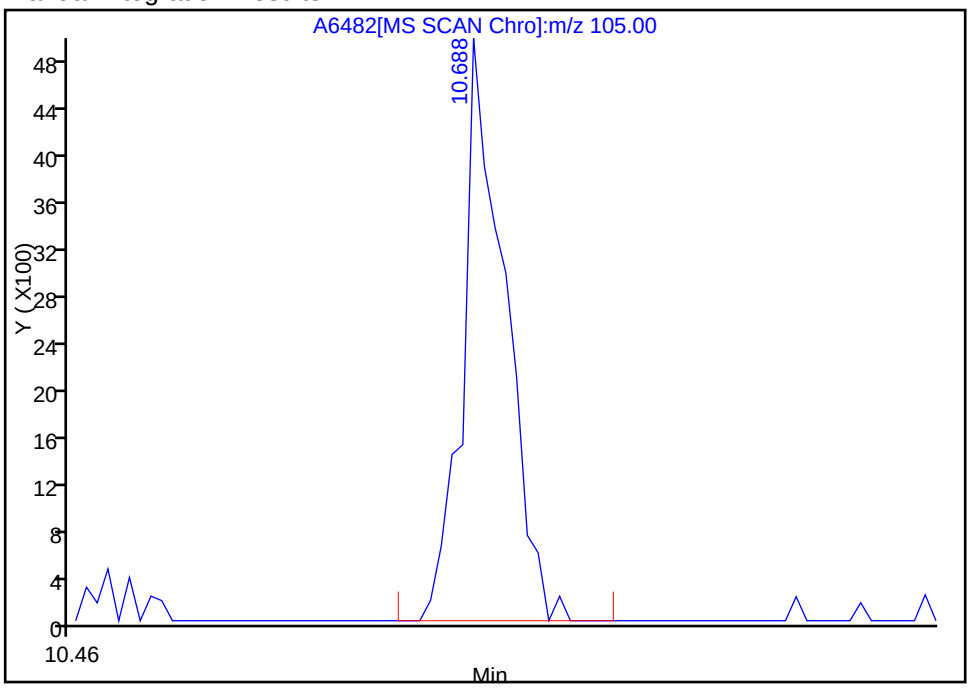


Manual Integration Results

RT: 10.69

Response: 8141

Amount: 2.106926



Reviewer: hallj, 09-Mar-2011 14:56:06

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

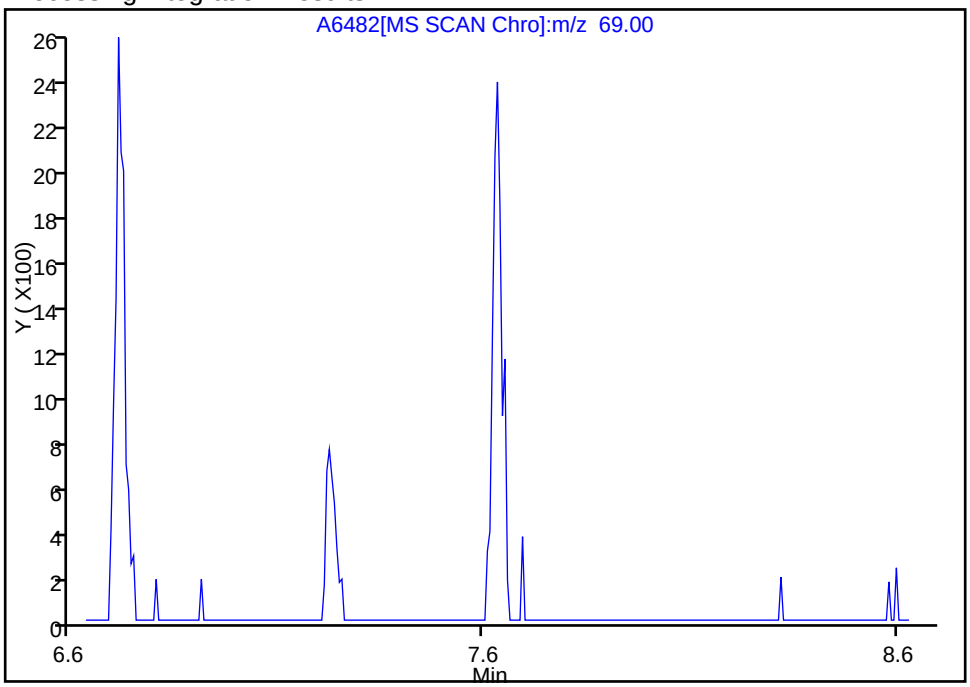
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

61 Ethyl methacrylate, Signal: 1, m/z: 69.0 Type: quant, RT: 7.63

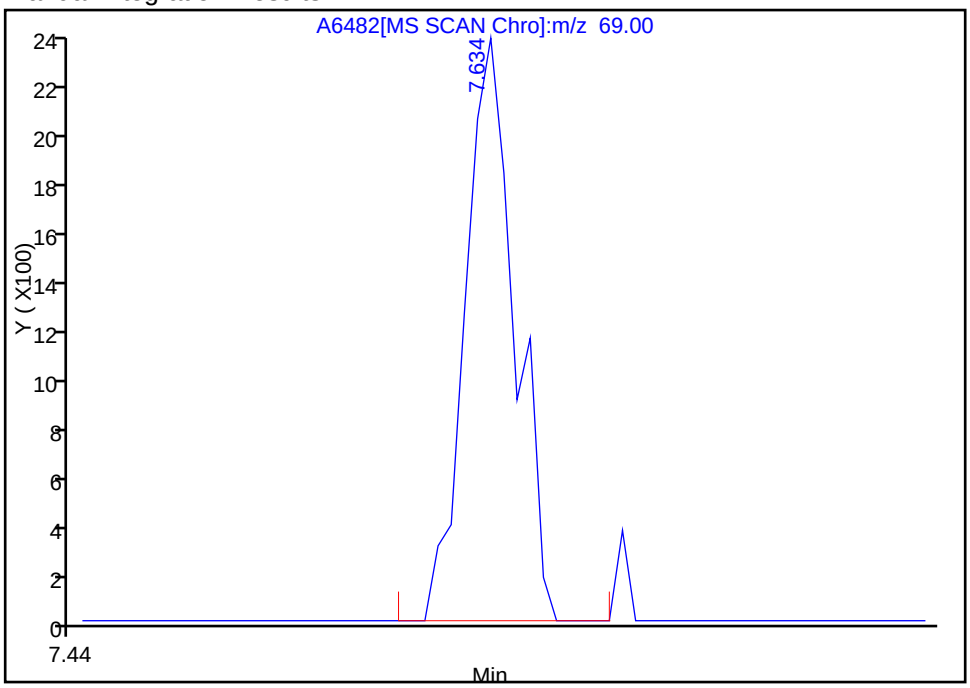
Processing Integration Results

Not Detected
Expected RT: 7.63



Manual Integration Results

RT: 7.63
Response: 3743
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

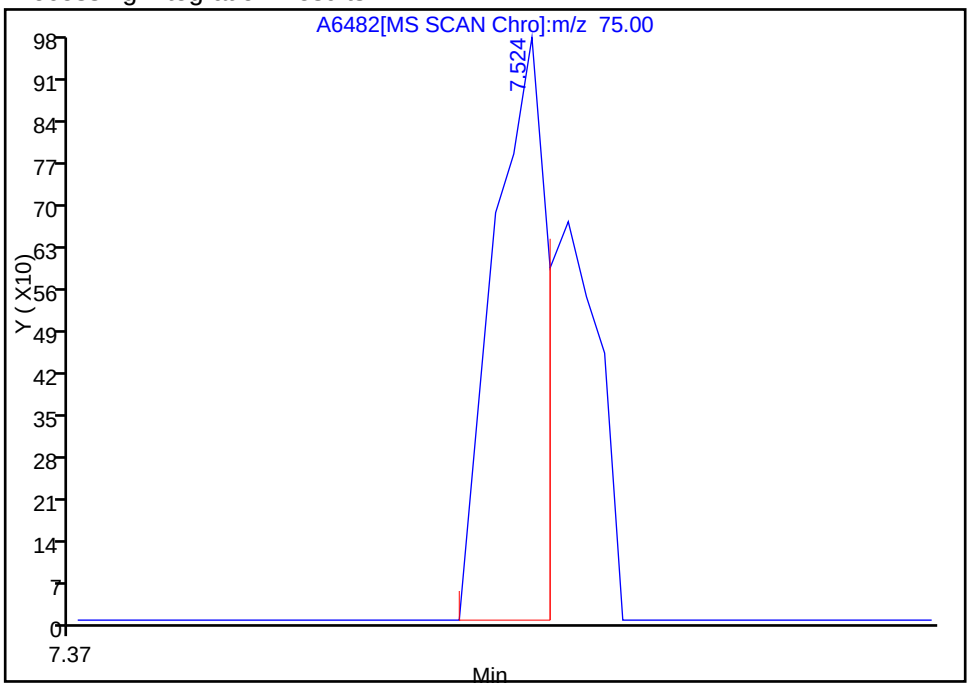
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

57 trans-1,3-Dichloropropene, Signal: 1, m/z: 75.0 Type: quant, RT: 7.52

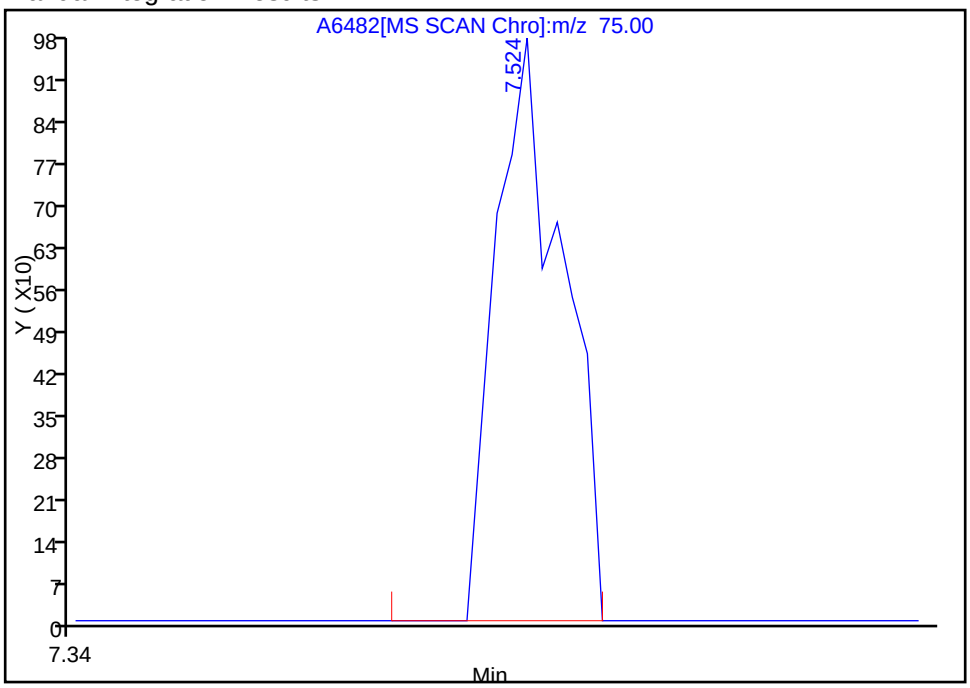
Processing Integration Results

RT: 7.52
Response: 1224
Amount: 2.000000



Manual Integration Results

RT: 7.52
Response: 1826
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

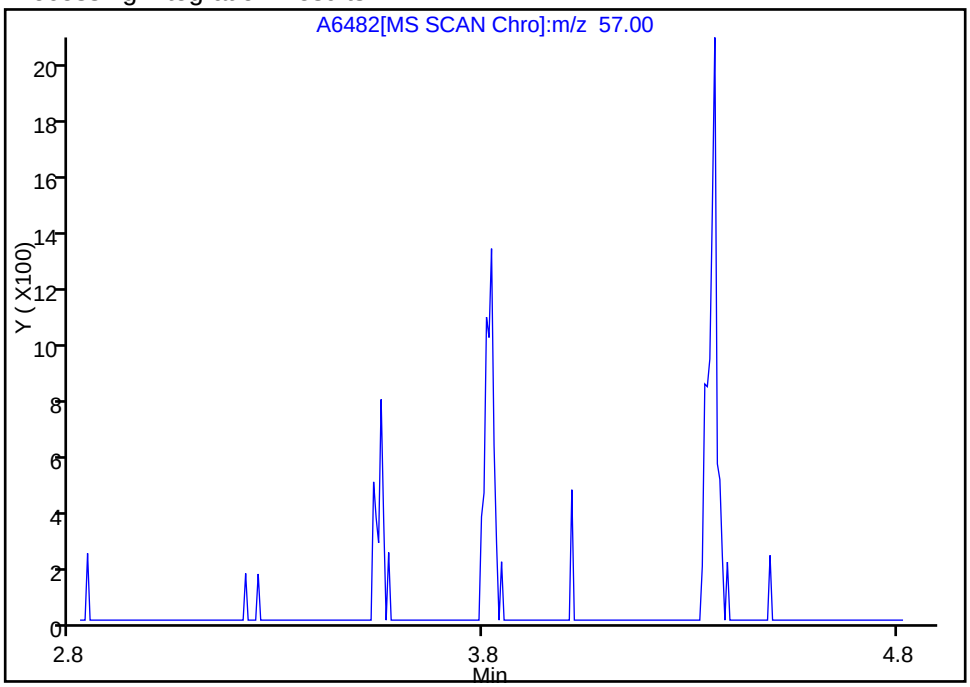
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

31 Hexane, Signal: 1, m/z: 57.0 Type: quant, RT: 3.82

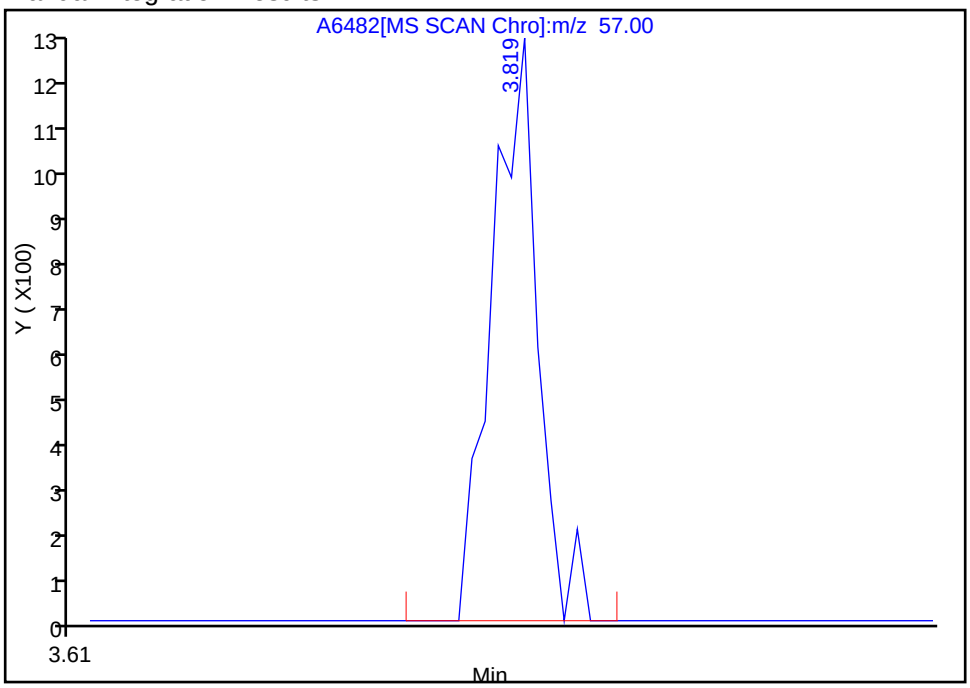
Processing Integration Results

Not Detected
Expected RT: 3.82



Manual Integration Results

RT: 3.82
Response: 1882
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

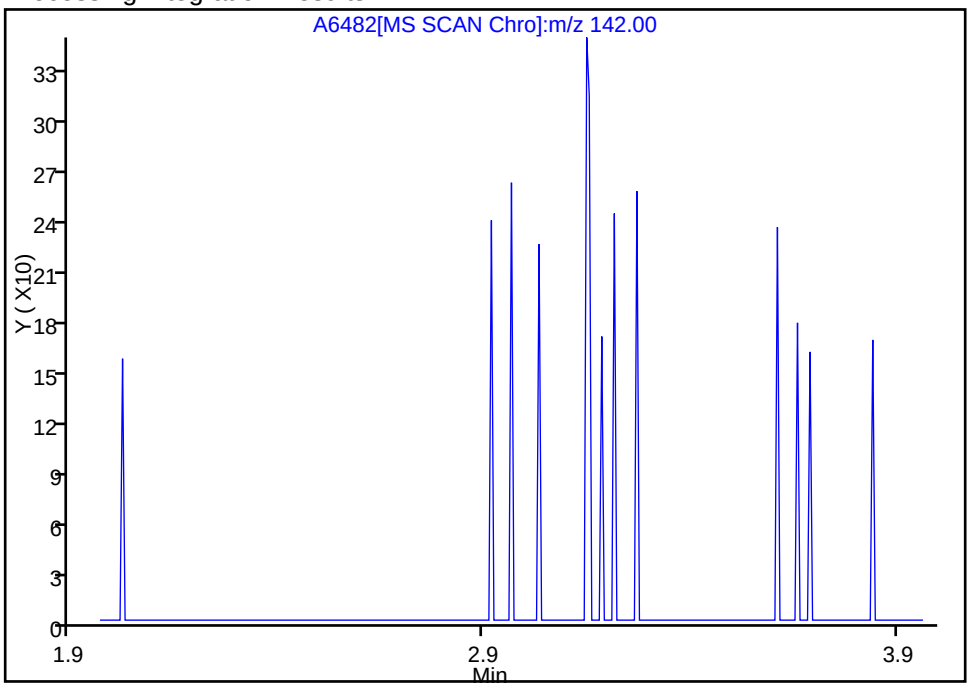
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.97

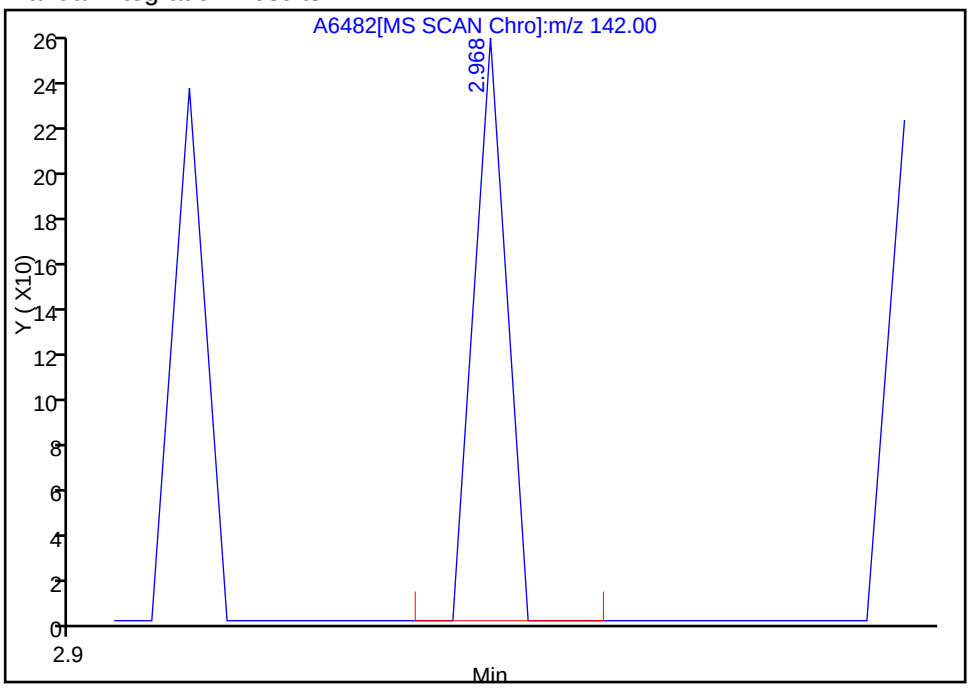
Processing Integration Results

Not Detected
Expected RT: 2.97



Manual Integration Results

RT: 2.97
Response: 93
Amount: 0.933685



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

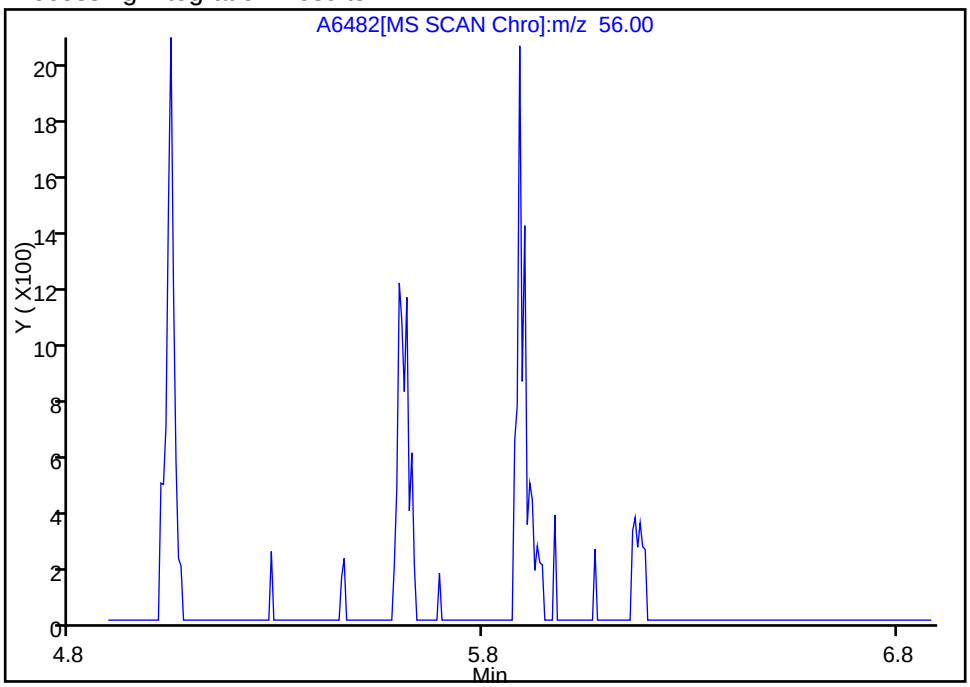
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D
Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 3
Operator ID: JLH

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.89

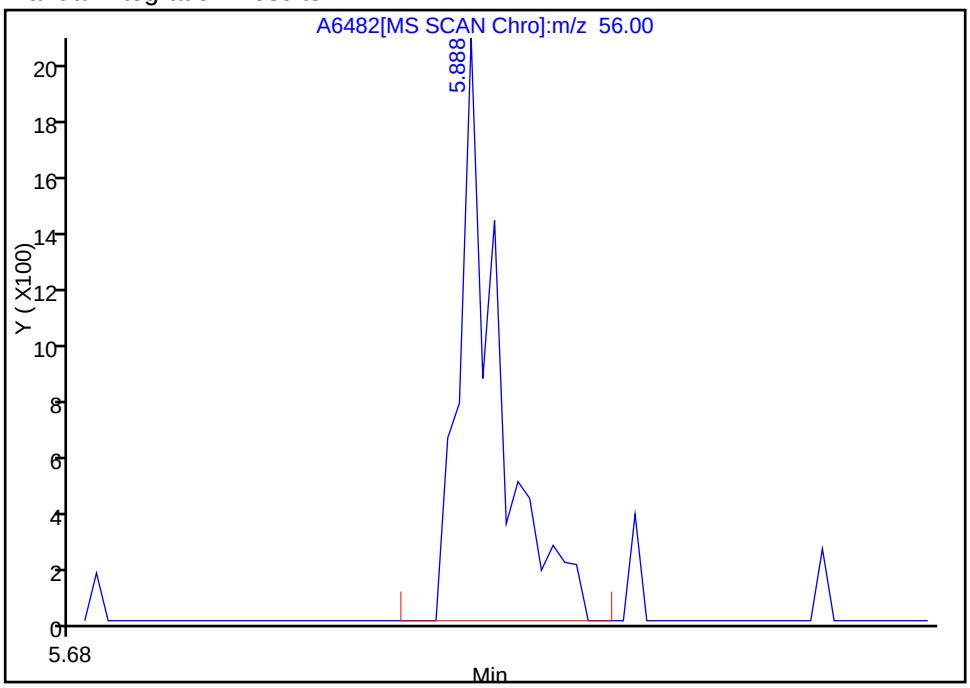
Processing Integration Results

Not Detected
Expected RT: 5.89



Manual Integration Results

RT: 5.89
Response: 2879
Amount: 127.0000



Reviewer: hallj, 09-Mar-2011 15:17:39
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

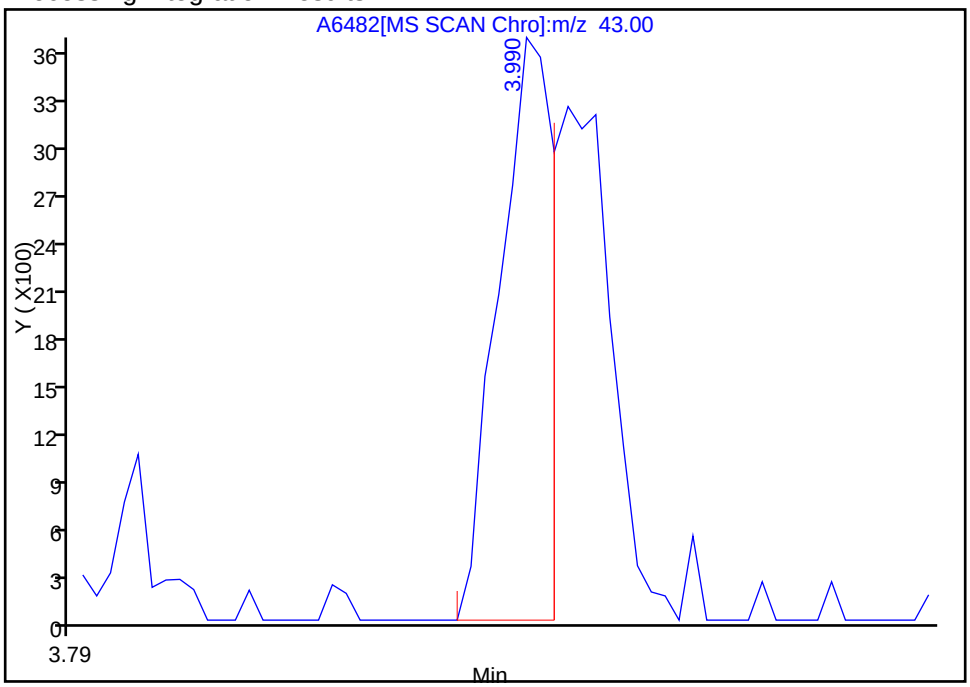
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

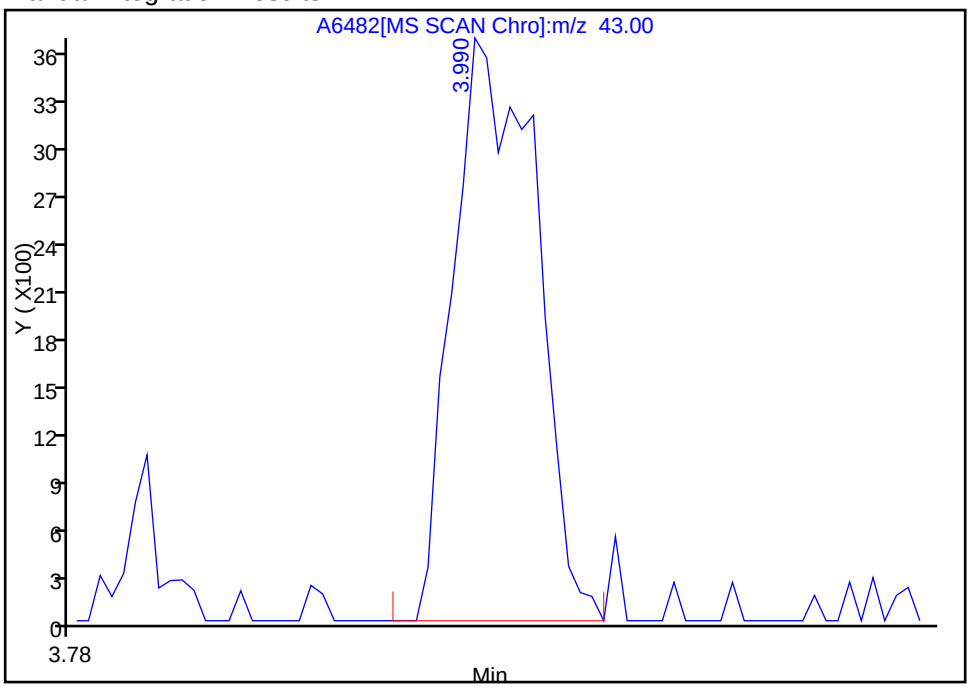
Processing Integration Results

RT: 3.99
Response: 6127
Amount: 4.000000



Manual Integration Results

RT: 3.99
Response: 10928
Amount: 4.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:39 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D

Injection Date: 09-Mar-2011 14:17:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

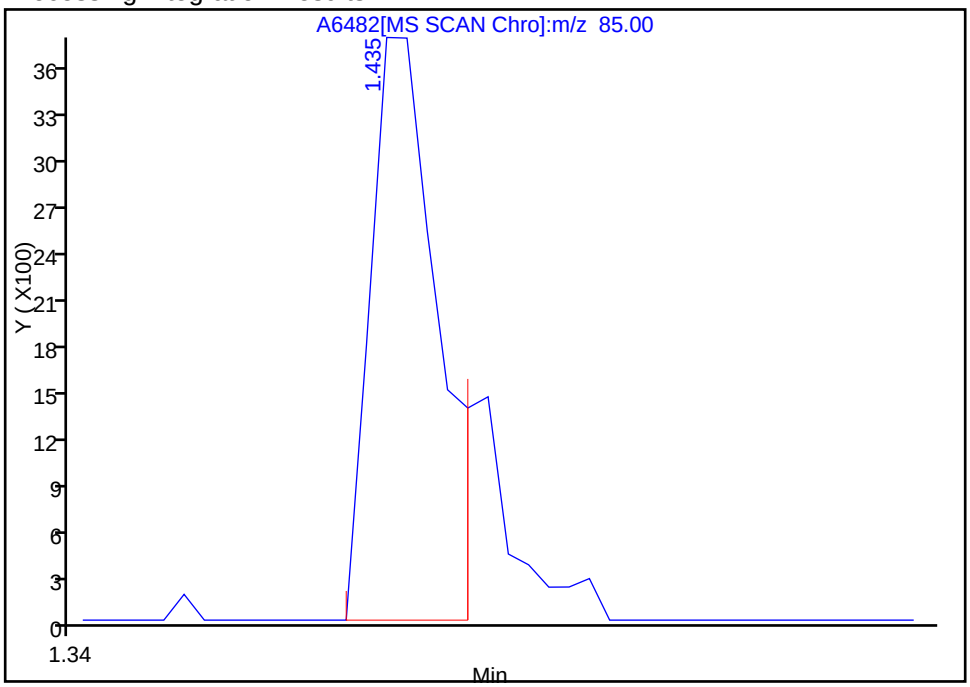
Lims Batch ID: 77114 Lims Sample ID: 3

Operator ID: JLH

12 Dichlorodifluoromethane, Signal: 1, m/z: 85.0 Type: quant, RT: 1.43

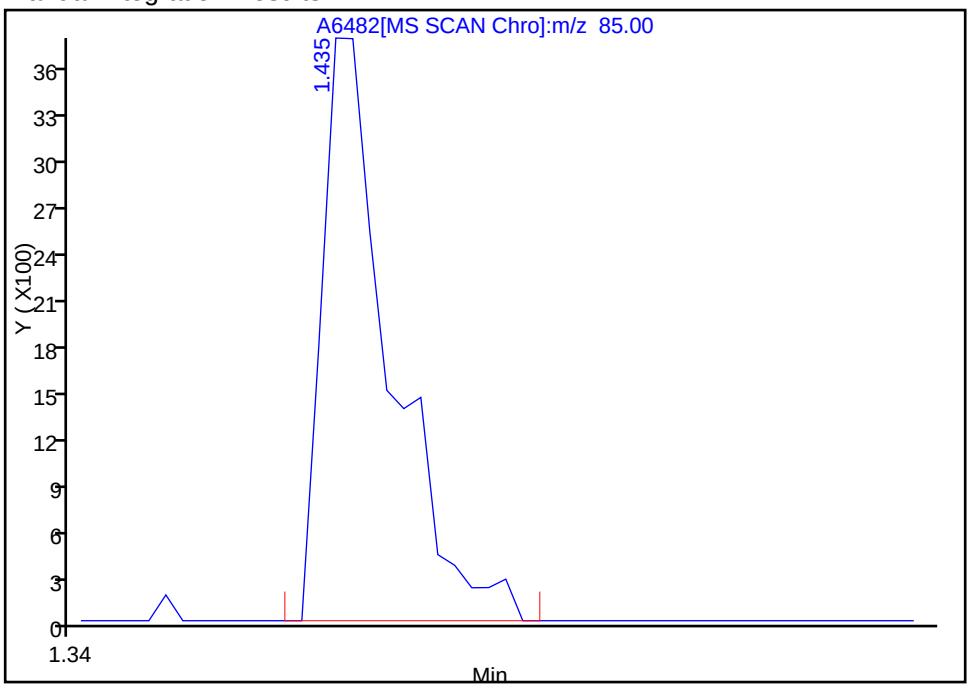
Processing Integration Results

RT: 1.43
Response: 5305
Amount: 2.000000



Manual Integration Results

RT: 1.43
Response: 6361
Amount: 2.140031



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

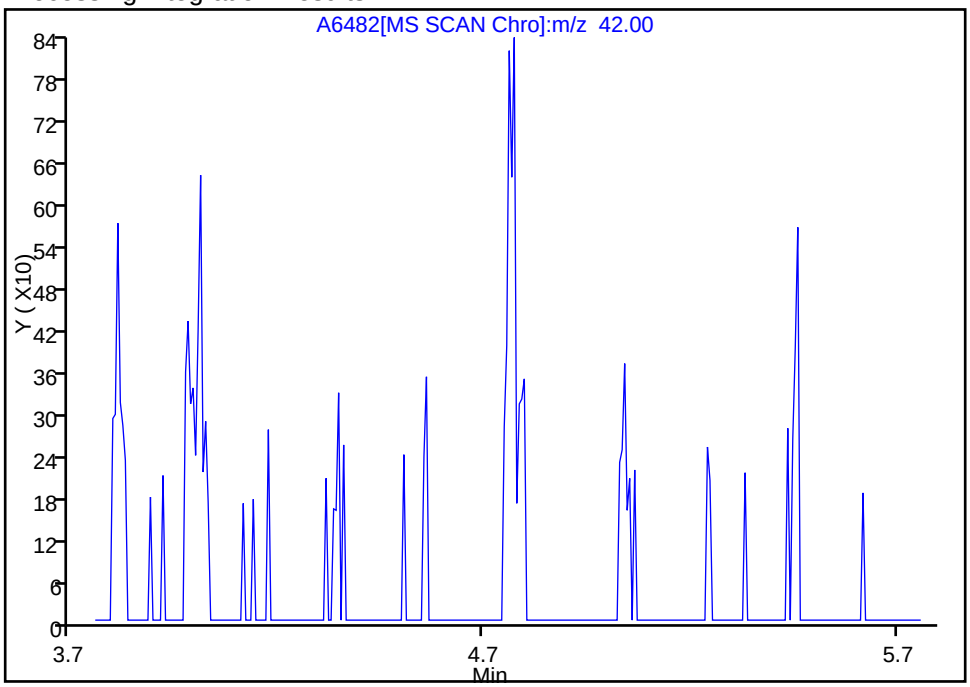
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

41 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 4.76

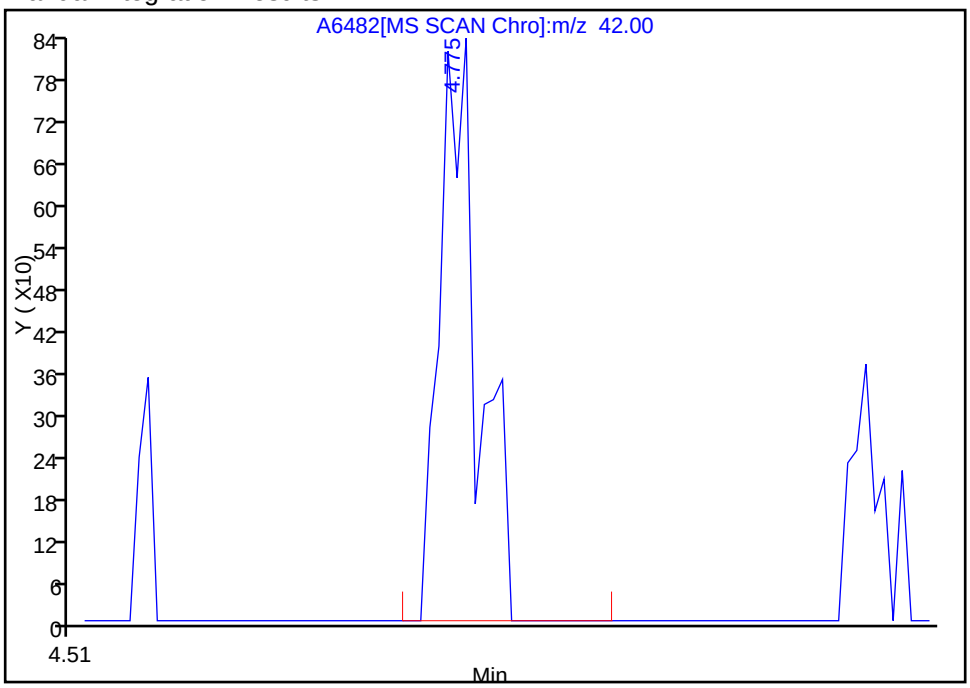
Processing Integration Results

Not Detected
Expected RT: 4.76



Manual Integration Results

RT: 4.77
Response: 1501
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

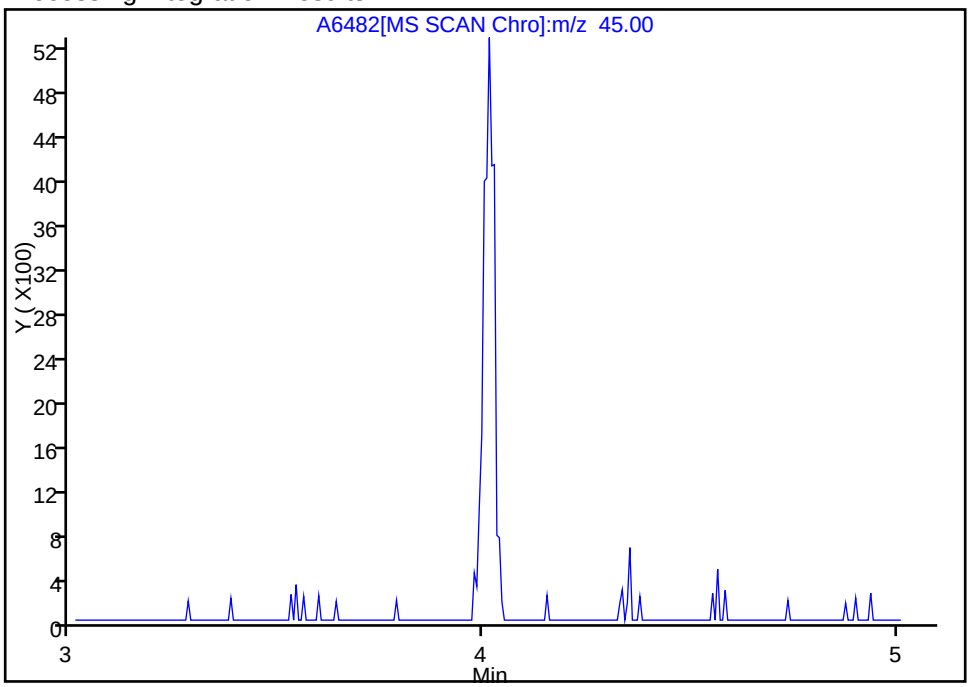
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

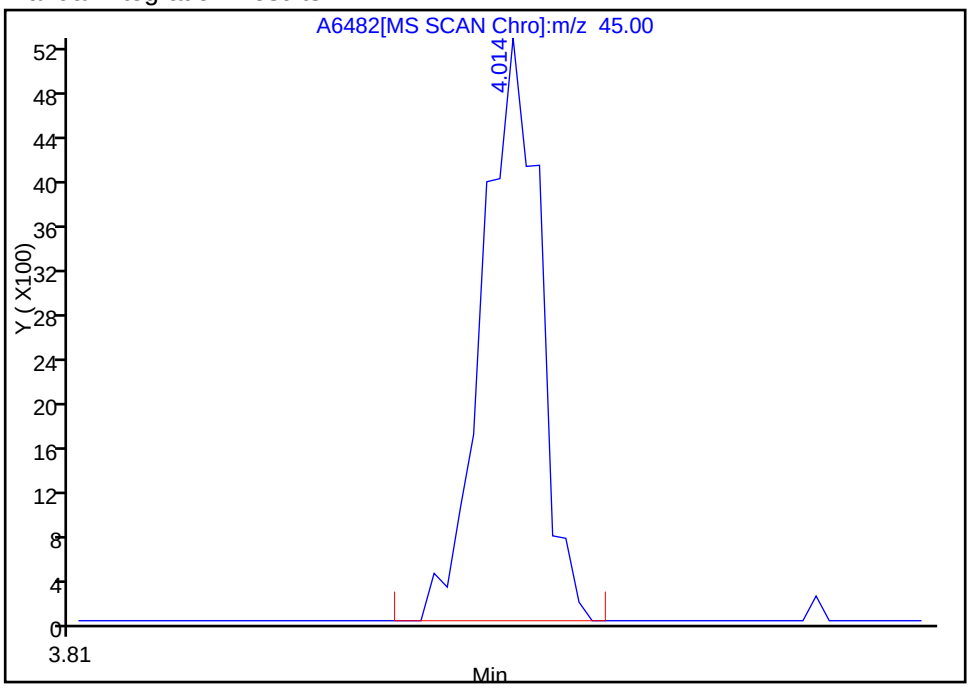
Processing Integration Results

Not Detected
Expected RT: 4.01



Manual Integration Results

RT: 4.01
Response: 9649
Amount: 2.095078



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

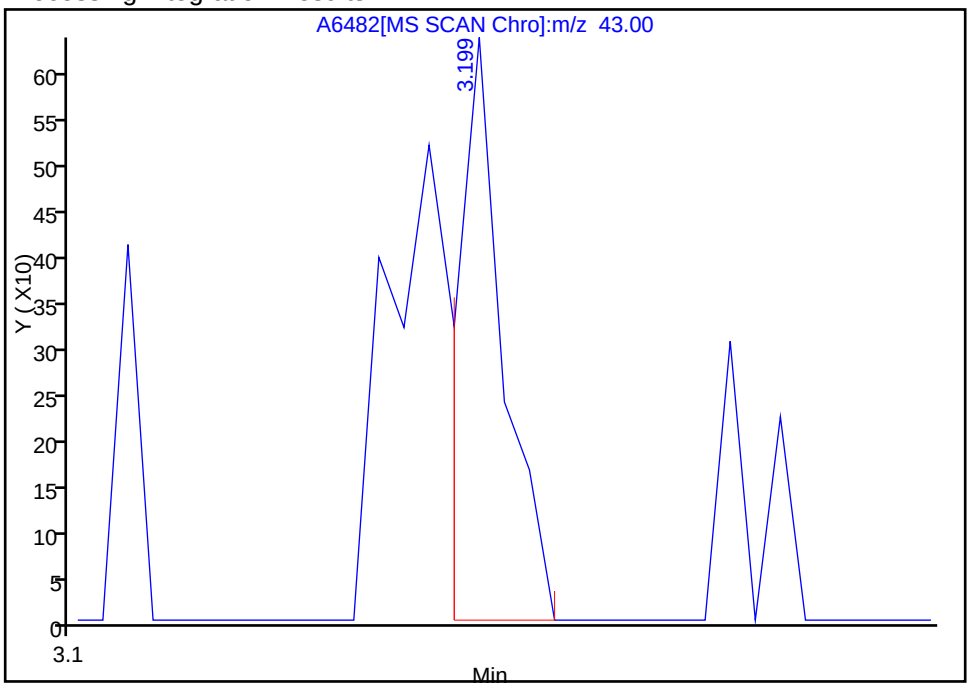
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6482.D		
Injection Date:	09-Mar-2011 14:17:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	3
Operator ID:	JLH		

25 Methyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.20

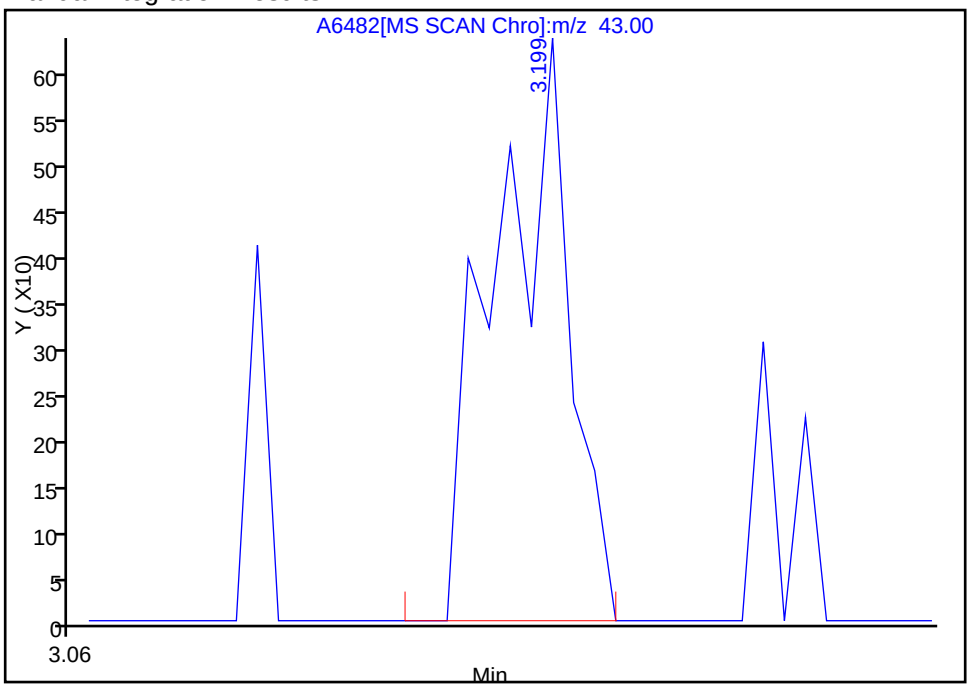
Processing Integration Results

RT: 3.20
Response: 493
Amount: 2.000000



Manual Integration Results

RT: 3.20
Response: 942
Amount: 2.000000



Reviewer: hallj, 09-Mar-2011 14:56:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Lims ID:	STD005	Client ID:	
Inject. Date:	09-Mar-2011 14:49:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD005		
Misc. Info.:	510-0004502-004 =510-0004502-004		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	77114	Lims Sample ID:	4
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 15:17:13	Calib Date:	09-Mar-2011 14:49:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 15:17:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.609	0.001	98	253545	50.0	
* 2 Chlorobenzene-d5	82	8.804	8.809	-0.005	88	120540	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.541	11.546	-0.005	98	85299	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.269	5.268	0.001	0	119466	52.6	
$ 7 Toluene-d8 (Surr)	98	7.228	7.233	-0.005	95	252534	49.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.165	-0.004	81	101289	49.2	
12 Dichlorodifluoromethane	85	1.437	1.435	0.002	100	13033	4.65	
13 Chloromethane	50	1.601	1.612	-0.011	85	8709	4.96	
14 Vinyl chloride	62	1.698	1.697	0.001	81	7030	6.02	
15 Bromomethane	94	2.003	2.007	-0.004	71	2748	5.00	
16 Chloroethane	64	2.100	2.087	0.013	95	4507	5.00	
17 Trichlorofluoromethane	101	2.337	2.342	-0.005	93	13932	5.00	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.623	2.622	0.001	81	7952	4.46	
19 Acrolein	56	2.727	2.725	0.002	37	711	5.02	
20 1,1-Dichloroethene	61	2.830	2.829	0.001	81	12148	4.61	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.836	2.841	-0.005	62	4770	4.54	
22 Acetone	43	2.873	2.883	-0.010	69	3119	5.00	
23 Iodomethane	142	2.970	2.968	0.002	40	720	7.67	
24 Carbon disulfide	76	3.031	3.036	-0.005	87	14804	4.87	
25 Methyl acetate	43	3.189	3.199	-0.010	90	4784	5.00	
26 Methylene Chloride	84	3.280	3.280	0.0	91	7489	5.00	M
27 2-Methyl-2-propanol	59	3.390	3.390	0.0	0	926	20.0	M
28 Acrylonitrile	53	3.511	3.504	0.007	72	1952	4.91	
29 trans-1,2-Dichloroethene	61	3.548	3.541	0.007	67	10732	4.67	
30 Methyl tert-butyl ether	73	3.548	3.547	0.001	98	21281	5.00	
31 Hexane	57	3.815	3.819	-0.004	86	2981	5.00	
32 1,1-Dichloroethane	63	3.931	3.936	-0.005	82	12893	5.00	
33 Vinyl acetate	43	3.986	3.986	0.0	99	35357	10.0	M
34 Isopropyl ether	45	4.010	4.010	0.0	0	20682	4.76	M
35 Tert-butyl ethyl ether	59	4.351	4.356	-0.005	97	20312	4.94	

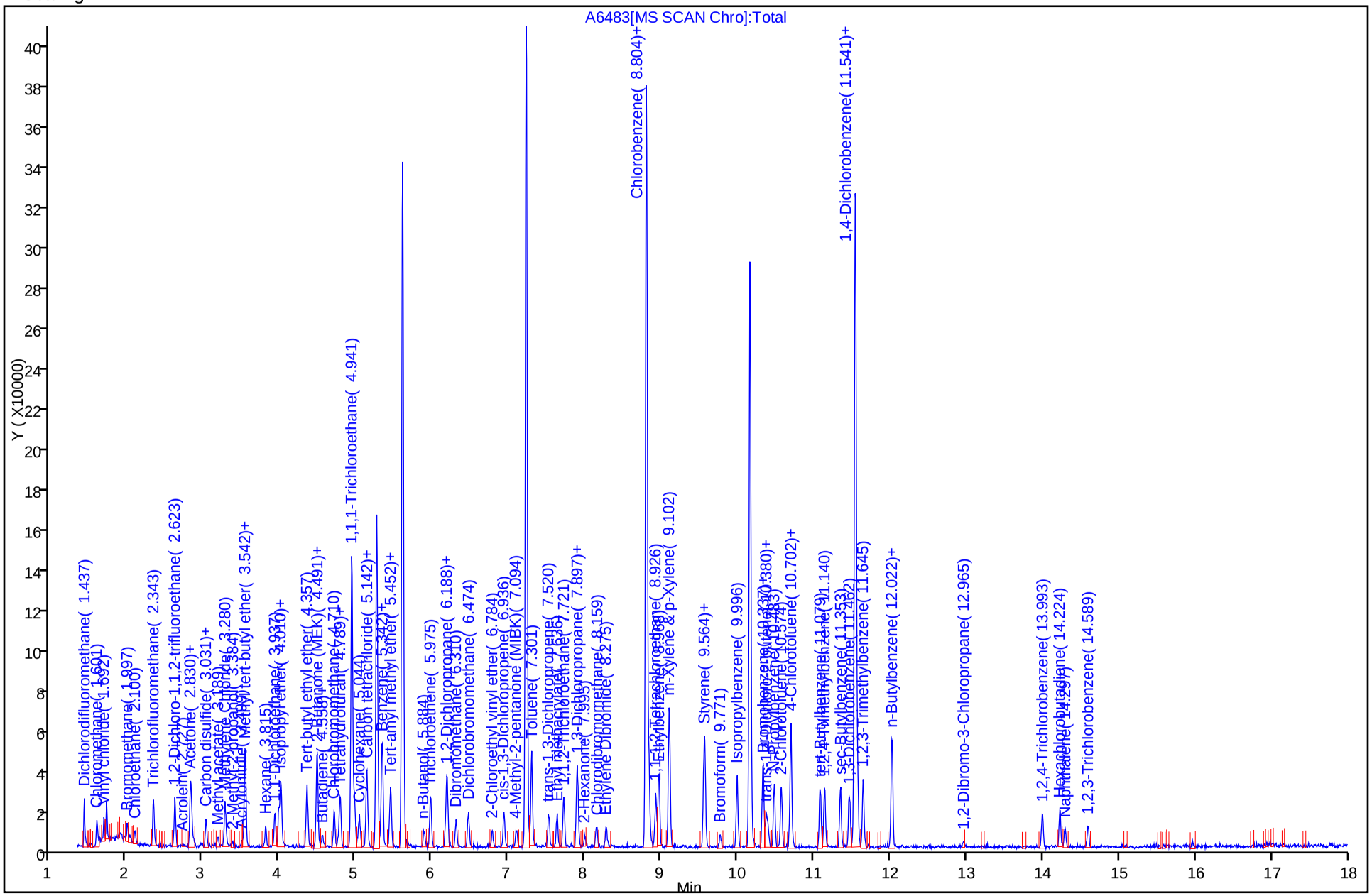
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
36 cis-1,2-Dichloroethene	61	4.491	4.484	0.007	88	13035	5.10	
37 2,2-Dichloropropane	77	4.485	4.489	-0.004	74	11995	8.49	
38 2-Butanone (MEK)	43	4.503	4.496	0.007	44	3073	5.00	
39 Propionitrile	54	4.552	4.552	0.0	1	1007	5.00	M
103 Butadiene	54	4.552	4.552	0.0	0	1007	5.00	M
101 Ethyl acetate	43	4.552	4.562	-0.010	0	5752	4.97	
40 Chlorobromomethane	130	4.710	4.715	-0.005	88	5453	5.45	
41 Tetrahydrofuran	42	4.758	4.758	0.0	85	1925	5.00	M
42 Chloroform	83	4.795	4.788	0.007	78	15918	5.00	
43 1,1,1-Trichloroethane	97	4.977	4.982	-0.005	84	12854	4.60	
44 Cyclohexane	56	5.044	5.043	0.001	92	5965	4.82	
46 1,1-Dichloropropene	75	5.136	5.134	0.002	85	8206	5.00	
45 Carbon tetrachloride	117	5.142	5.141	0.001	87	9778	4.51	
47 Benzene	78	5.336	5.341	-0.005	93	25777	4.64	
48 1,2-Dichloroethane	62	5.349	5.341	0.007	79	16835	5.09	
50 Isobutyl alcohol	41	5.458	5.450	0.008	45	3349	5.31	
49 Tert-amyl methyl ether	73	5.452	5.451	0.001	94	17522	4.69	
51 Trichloroethene	132	5.981	5.985	-0.004	82	8264	5.00	
102 n-Butanol	56	5.896	5.896	0.0	0	3384	371.7	M
52 Methylcyclohexane	83	6.176	6.187	-0.011	87	5045	4.79	
53 1,2-Dichloropropane	63	6.194	6.199	-0.005	68	5998	5.00	
54 Dibromomethane	93	6.304	6.309	-0.005	74	5442	5.00	
55 Dichlorobromomethane	83	6.474	6.473	0.001	98	11161	4.95	
56 2-Chloroethyl vinyl ether	63	6.778	6.783	-0.005	70	3697	10.0	
60 cis-1,3-Dichloropropene	75	6.936	6.941	-0.005	83	8694	5.00	
58 4-Methyl-2-pentanone (MIBK)	43	7.094	7.099	-0.005	92	5193	5.00	
59 Toluene	91	7.301	7.300	0.001	97	28142	4.89	
57 trans-1,3-Dichloropropene	75	7.520	7.524	-0.004	94	8800	5.00	
61 Ethyl methacrylate	69	7.636	7.634	0.002	75	7060	5.00	
62 1,1,2-Trichloroethane	83	7.727	7.720	0.007	87	4746	5.00	
63 Tetrachloroethene	166	7.891	7.883	0.008	80	6503	5.00	
64 1,3-Dichloropropane	76	7.910	7.909	0.001	87	10323	5.06	
65 2-Hexanone	43	8.007	8.011	-0.004	58	3580	5.17	
66 Chlorodibromomethane	129	8.153	8.152	0.001	83	5414	4.62	
67 Ethylene Dibromide	107	8.275	8.280	-0.005	90	6224	4.76	
68 Chlorobenzene	112	8.840	8.839	0.001	79	16951	4.65	
69 1,1,1,2-Tetrachloroethane	131	8.932	8.931	0.001	80	5809	5.00	
70 Ethylbenzene	91	8.968	8.973	-0.005	99	26959	4.72	
71 m-Xylene & p-Xylene	91	9.102	9.107	-0.005	0	42416	9.36	
72 o-Xylene	91	9.558	9.563	-0.005	96	20976	4.69	
73 Styrene	104	9.577	9.575	0.002	95	16488	5.02	
74 Bromoform	173	9.777	9.776	0.001	54	2781	4.99	
75 Isopropylbenzene	105	9.996	9.995	0.001	98	21825	4.70	
76 1,1,2,2-Tetrachloroethane	83	10.337	10.336	0.001	60	6446	5.00	
77 Bromobenzene	77	10.331	10.336	-0.005	89	11293	4.51	
78 1,2,3-Trichloropropane	75	10.380	10.378	0.002	47	8027	4.85	
79 trans-1,4-Dichloro-2-butene	53	10.398	10.396	0.002	7	1759	5.31	
80 N-Propylbenzene	91	10.483	10.482	0.001	98	23474	4.65	
81 2-Chlorotoluene	91	10.574	10.573	0.001	95	18288	4.56	
82 1,3,5-Trimethylbenzene	105	10.696	10.688	0.008	89	18512	4.73	
83 4-Chlorotoluene	91	10.702	10.701	0.001	91	20968	4.78	
84 tert-Butylbenzene	119	11.079	11.084	-0.005	89	14084	5.00	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
85	1,2,4-Trimethylbenzene	105	11.140	11.145	-0.005	42	18581	4.70	
86	sec-Butylbenzene	105	11.353	11.346	0.007	94	18405	4.75	
87	1,3-Dichlorobenzene	146	11.462	11.467	-0.005	91	10553	5.00	
88	4-Isopropyltoluene	119	11.529	11.528	0.001	49	16259	4.69	
89	1,4-Dichlorobenzene	146	11.572	11.572	0.0	0	12361	5.00	M
99	1,2,3-Trimethylbenzene	105	11.645	11.650	-0.005	0	20549	4.70	
91	1,2-Dichlorobenzene	146	12.022	12.021	0.001	85	11885	4.56	
90	n-Butylbenzene	91	12.028	12.027	0.001	96	15137	5.18	
92	1,2-Dibromo-3-Chloropropane	157	12.977	12.977	0.0	0	725	5.00	M
93	1,2,4-Trichlorobenzene	180	13.993	13.992	0.001	85	2891	5.00	
94	Hexachlorobutadiene	225	14.230	14.229	0.001	74	3371	5.00	
95	Naphthalene	128	14.297	14.289	0.008	83	7852	5.11	
96	1,2,3-Trichlorobenzene	180	14.595	14.594	0.001	86	2887	5.00	
S 98	Xylenes, Total	100				0		14.1	
S 97	Total 1,2-dichloroethene	100				0		9.77	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D
Injection Date: 09-Mar-2011 14:49:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 4
Operator ID: JLH
Y Scaling:



Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

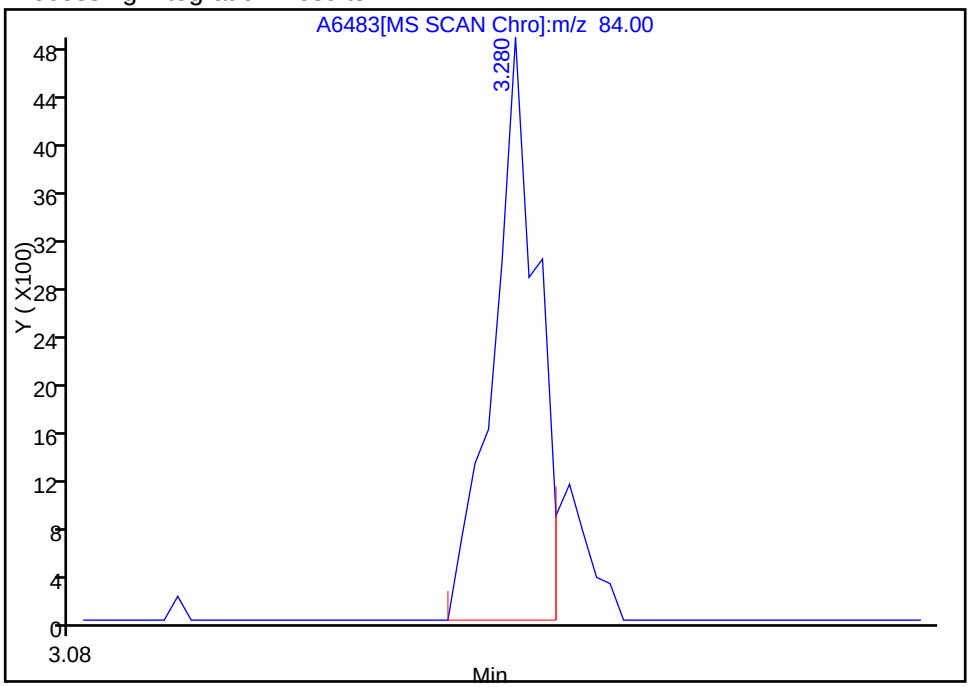
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

26 Methylene Chloride, Signal: 1, m/z: 84.0 Type: quant, RT: 3.28

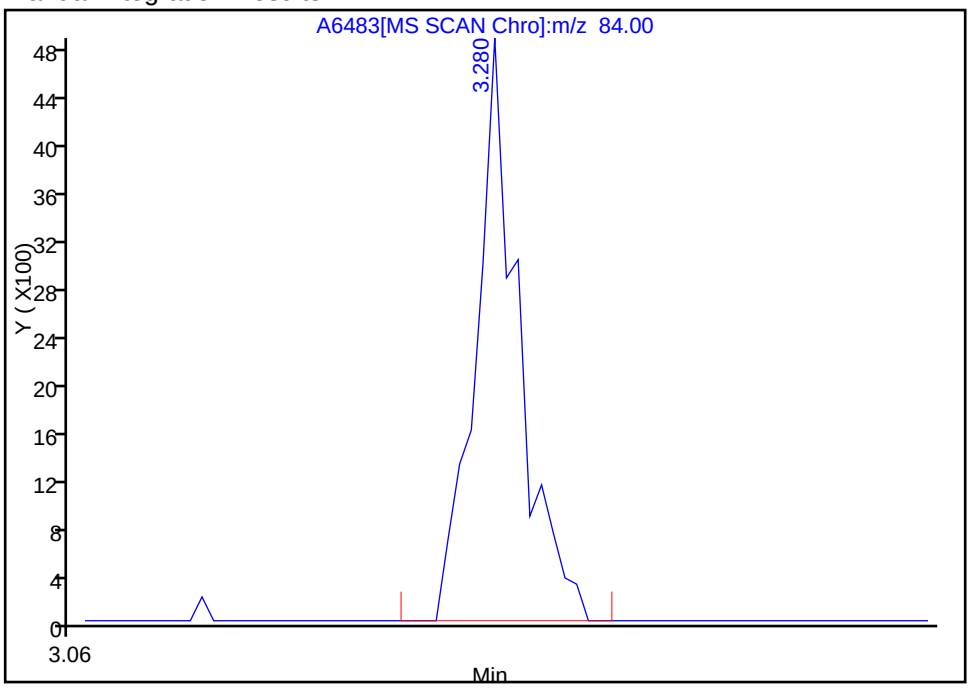
Processing Integration Results

RT: 3.28
Response: 6573
Amount: 5.000000



Manual Integration Results

RT: 3.28
Response: 7489
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

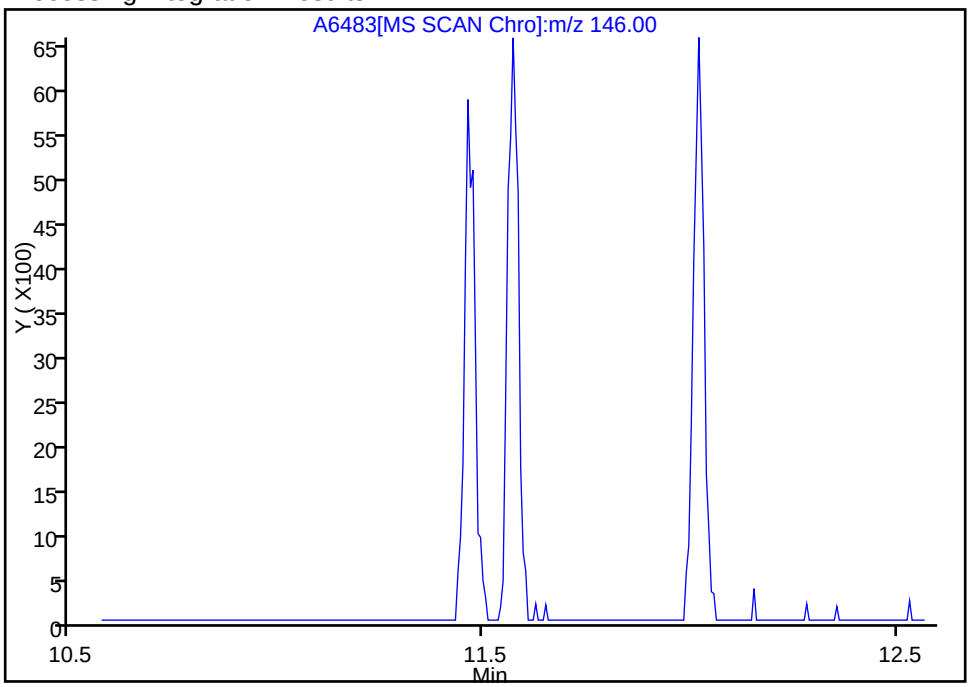
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

89 1,4-Dichlorobenzene, Signal: 1, m/z: 146.0 Type: quant, RT: 11.57

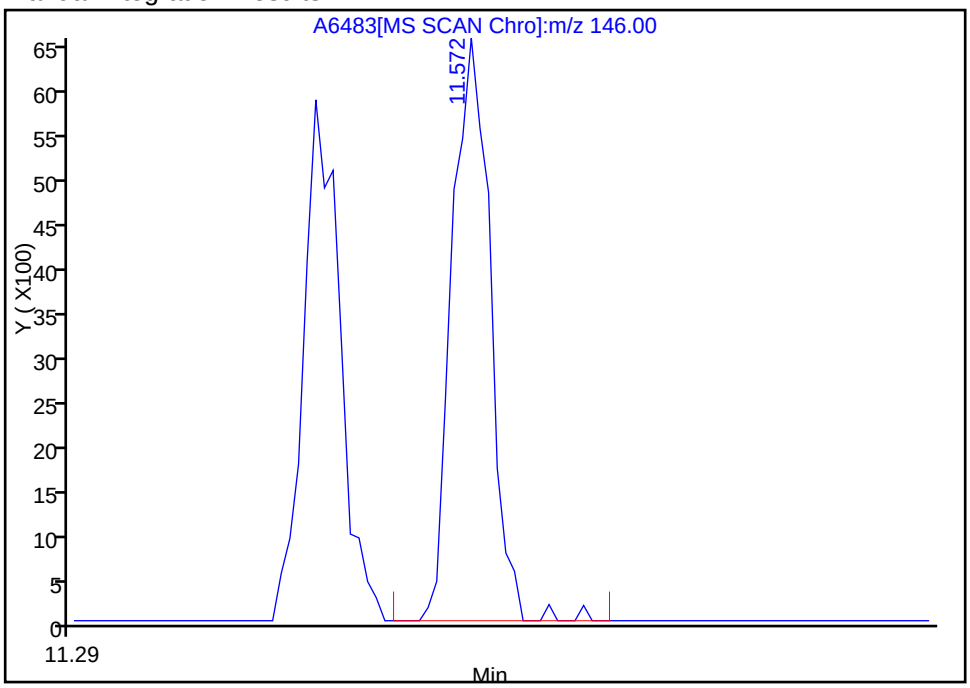
Processing Integration Results

Not Detected
Expected RT: 11.57



Manual Integration Results

RT: 11.57
Response: 12361
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

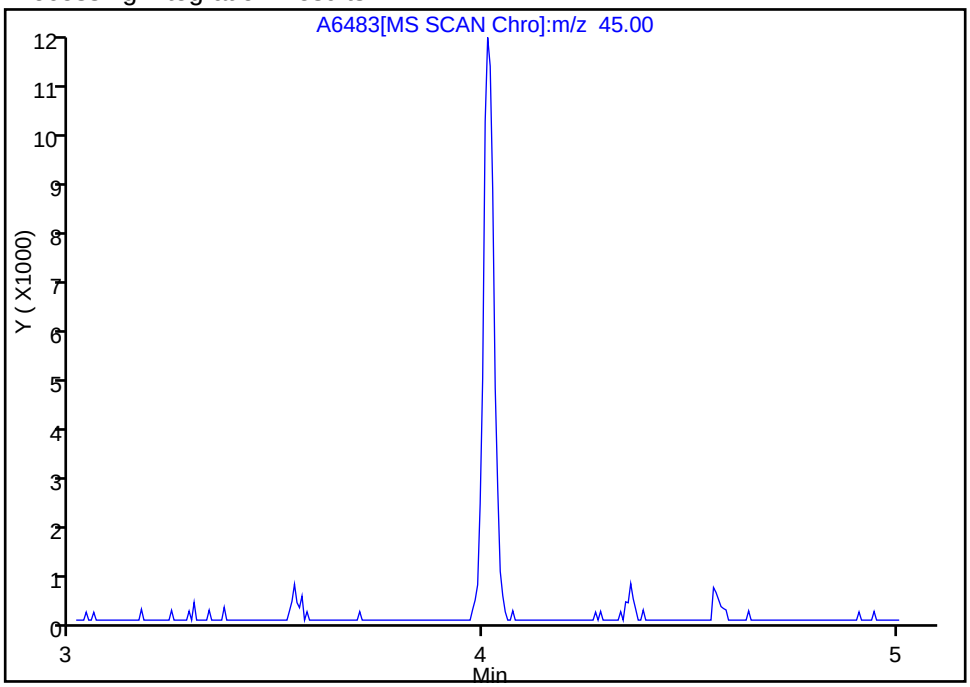
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

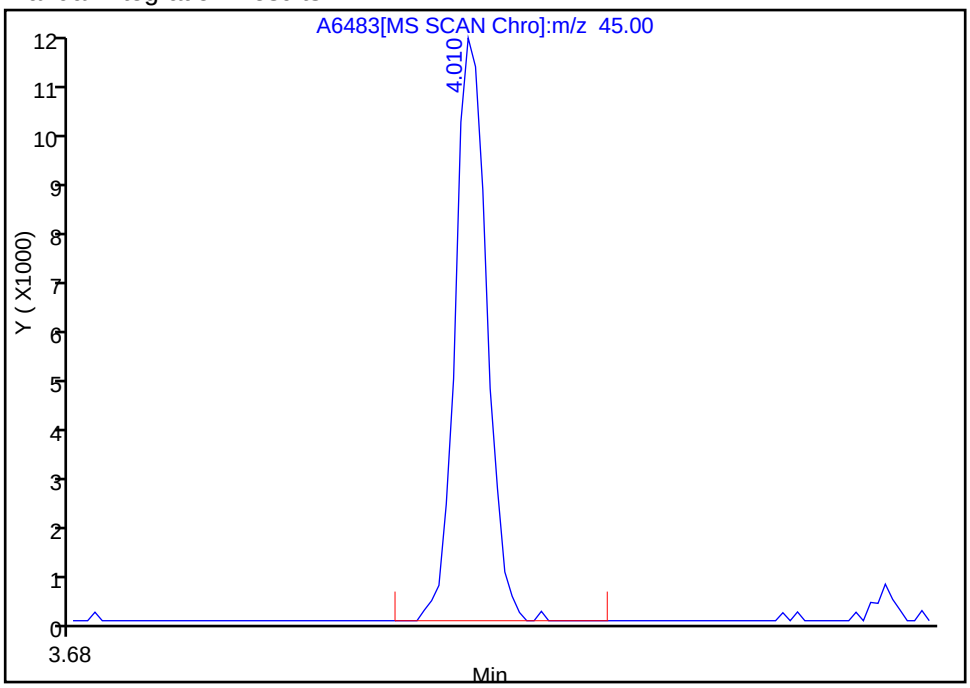
Processing Integration Results

Not Detected
Expected RT: 4.01



Manual Integration Results

RT: 4.01
Response: 20682
Amount: 4.762304



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

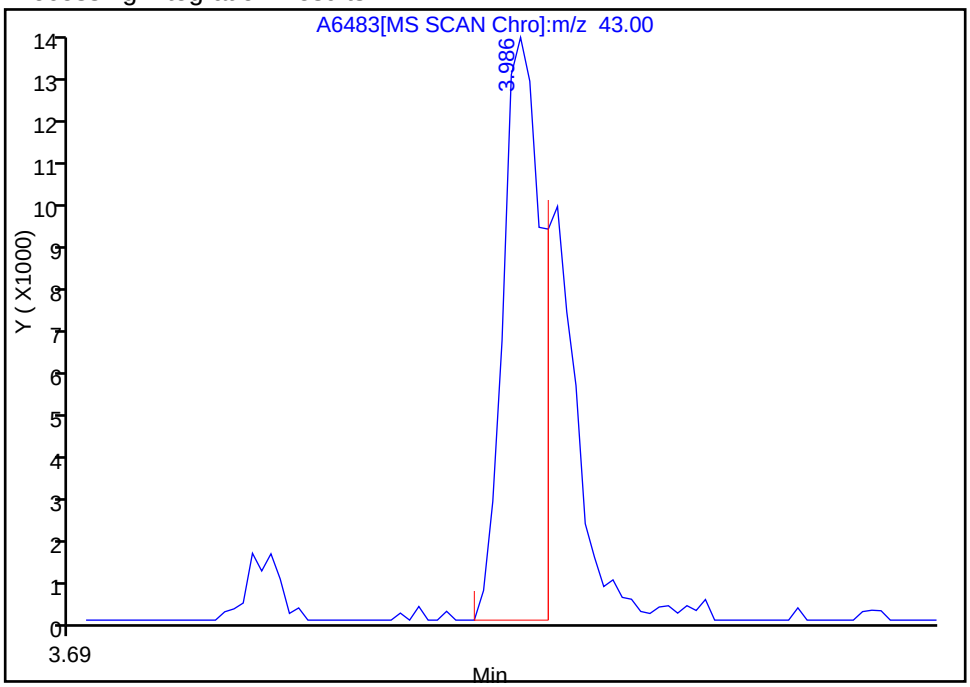
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

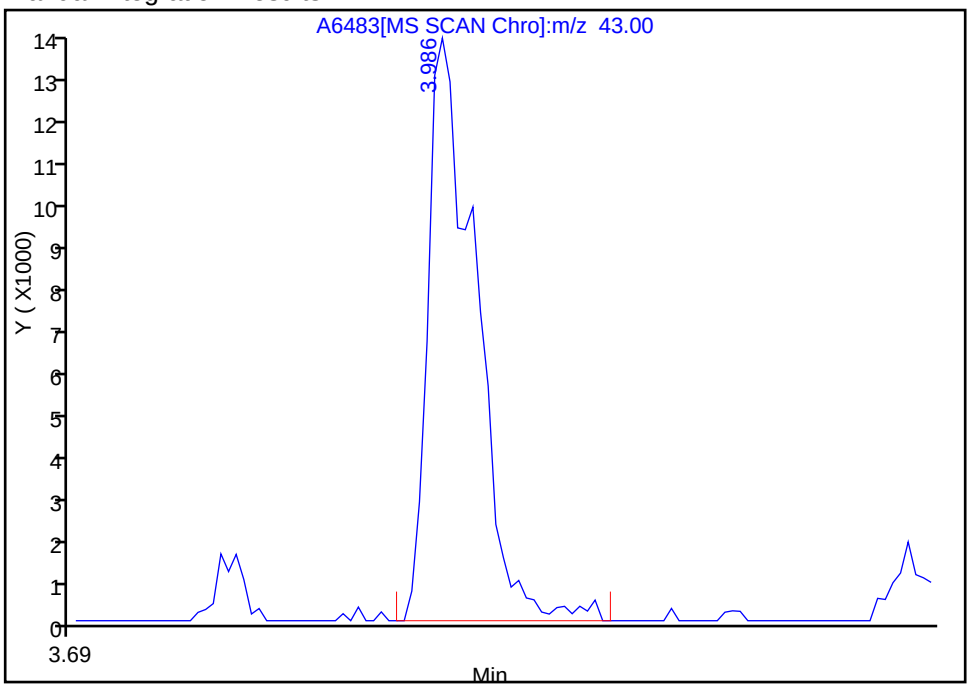
Processing Integration Results

RT: 3.99
Response: 24193
Amount: 9.685981



Manual Integration Results

RT: 3.99
Response: 35357
Amount: 10.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

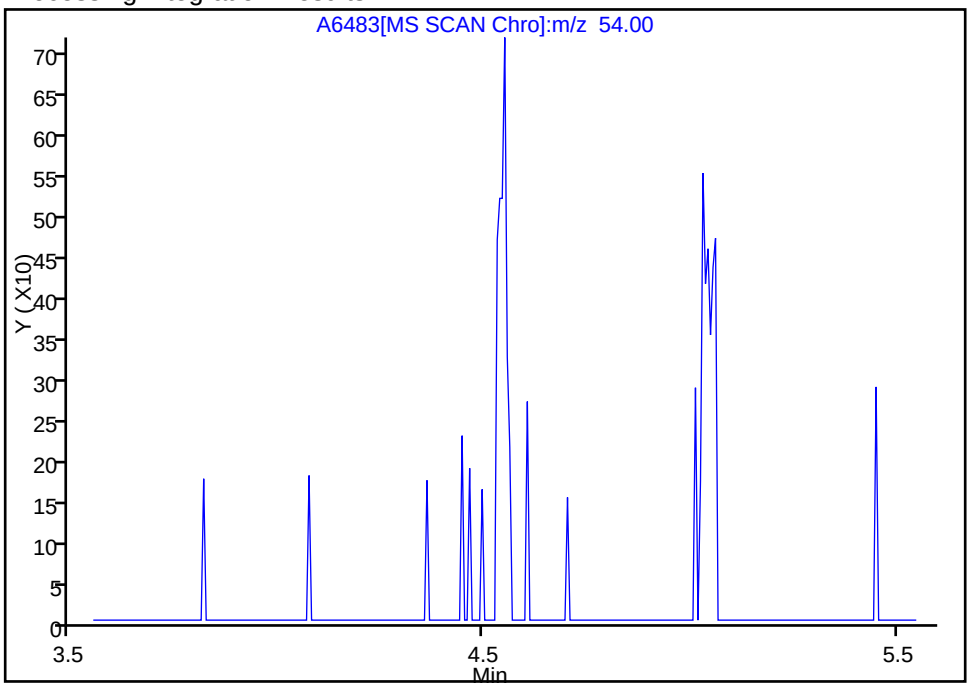
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

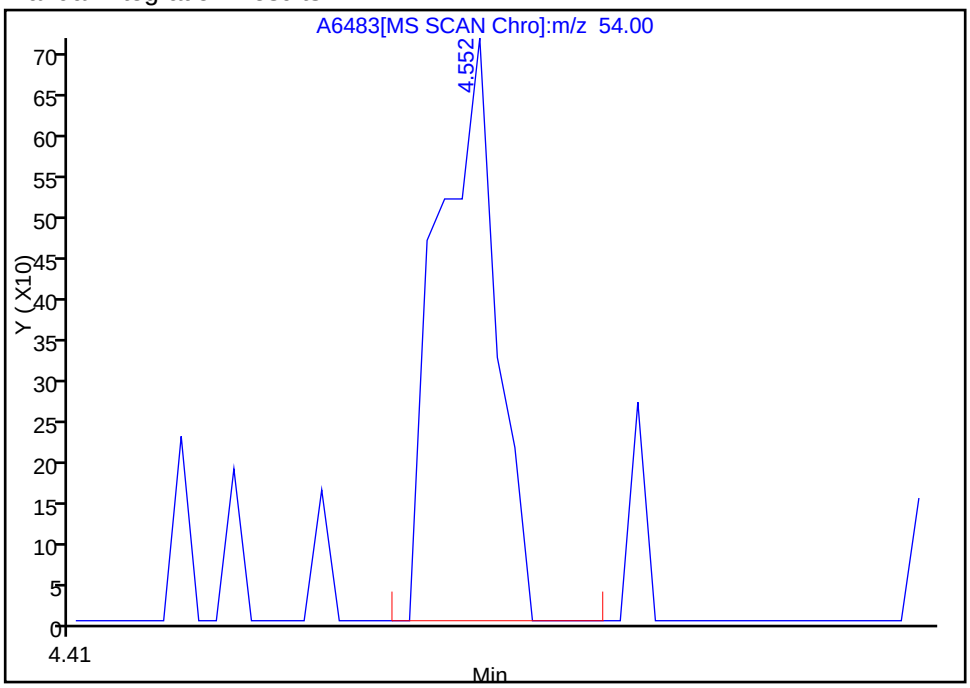
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 1007
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

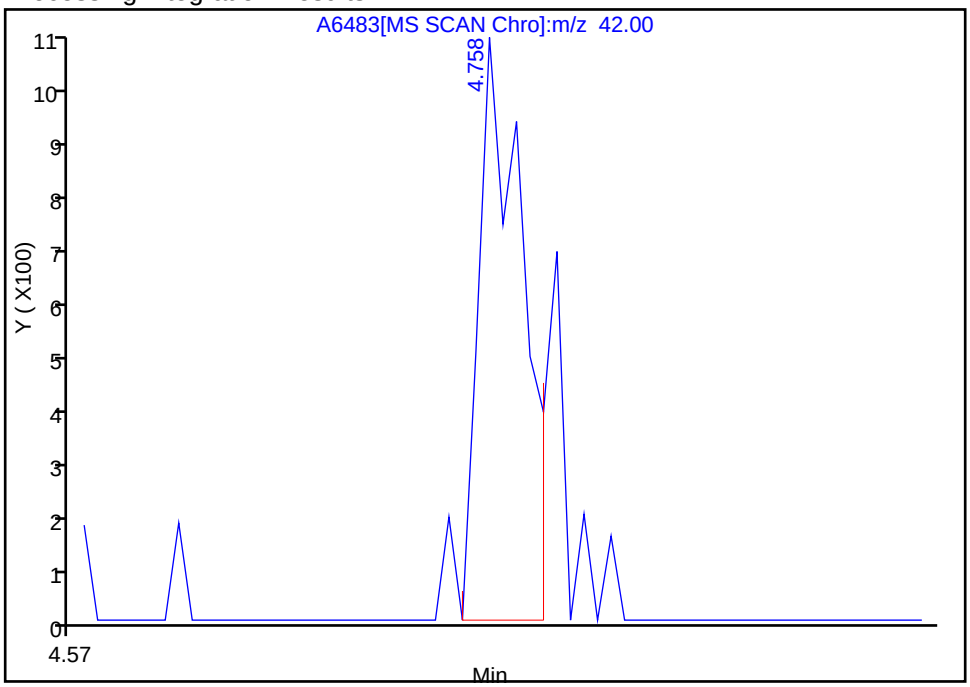
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

41 Tetrahydrofuran, Signal: 1, m/z: 42.0 Type: quant, RT: 4.76

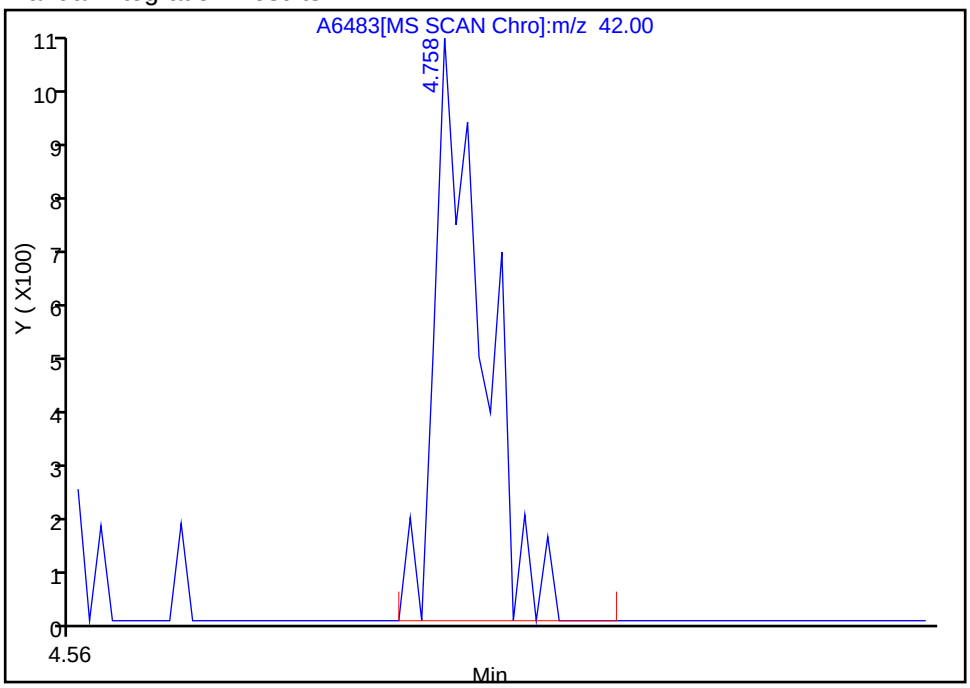
Processing Integration Results

RT: 4.76
Response: 1483
Amount: 2.807794



Manual Integration Results

RT: 4.76
Response: 1925
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

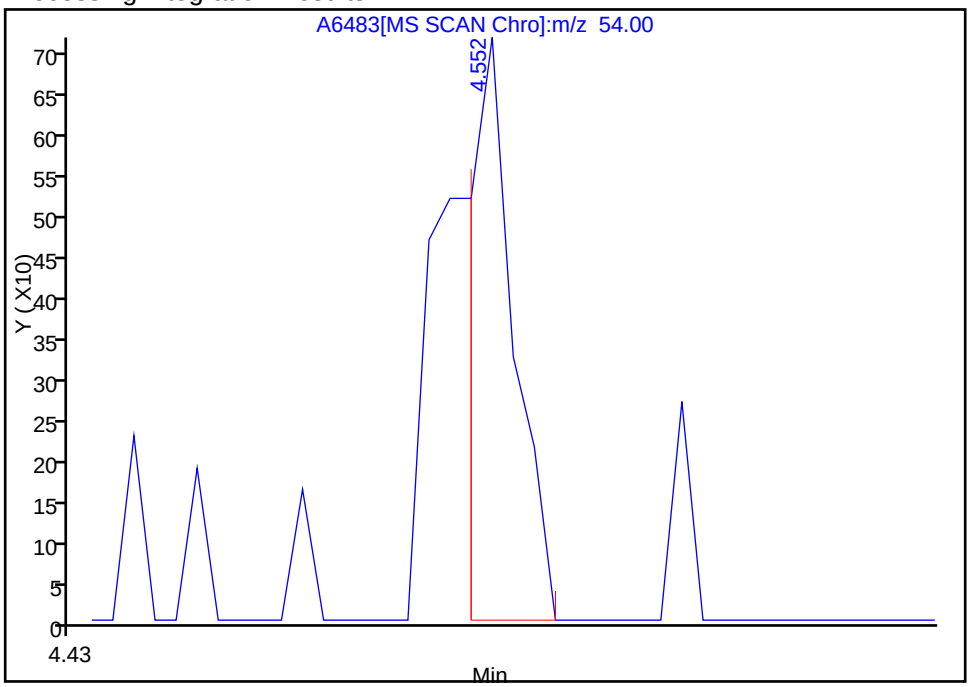
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

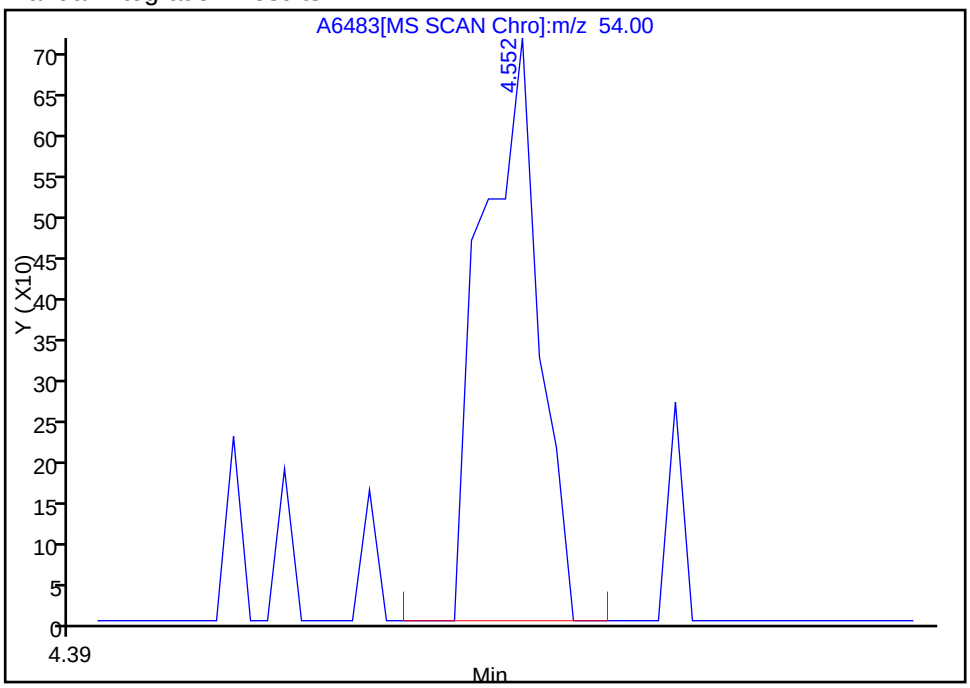
Processing Integration Results

RT: 4.55
Response: 647
Amount: 5.000000



Manual Integration Results

RT: 4.55
Response: 1007
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

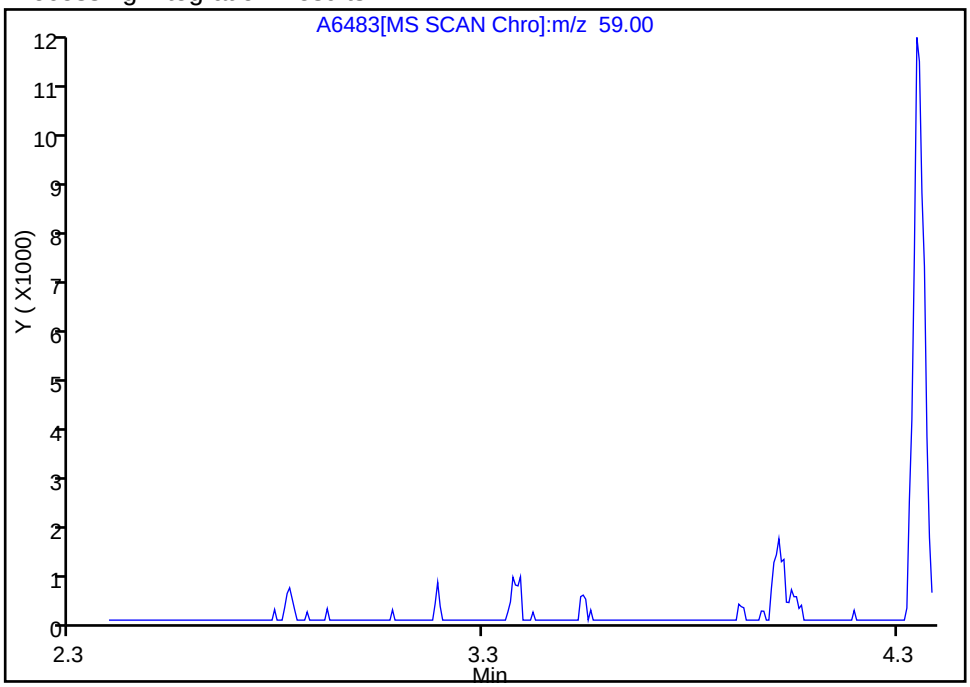
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D
Injection Date: 09-Mar-2011 14:49:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 4
Operator ID: JLH

27 2-Methyl-2-propanol, Signal: 1, m/z: 59.0 Type: quant, RT: 3.39

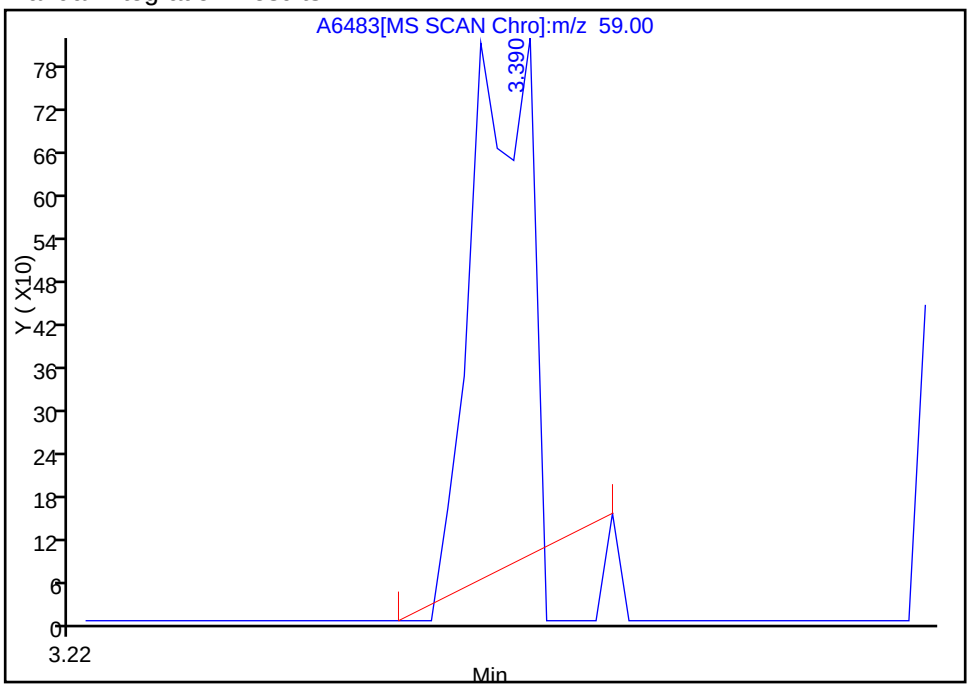
Not Detected
Expected RT: 3.39

Processing Integration Results



Manual Integration Results

RT: 3.39
Response: 926
Amount: 20.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D

Injection Date: 09-Mar-2011 14:49:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

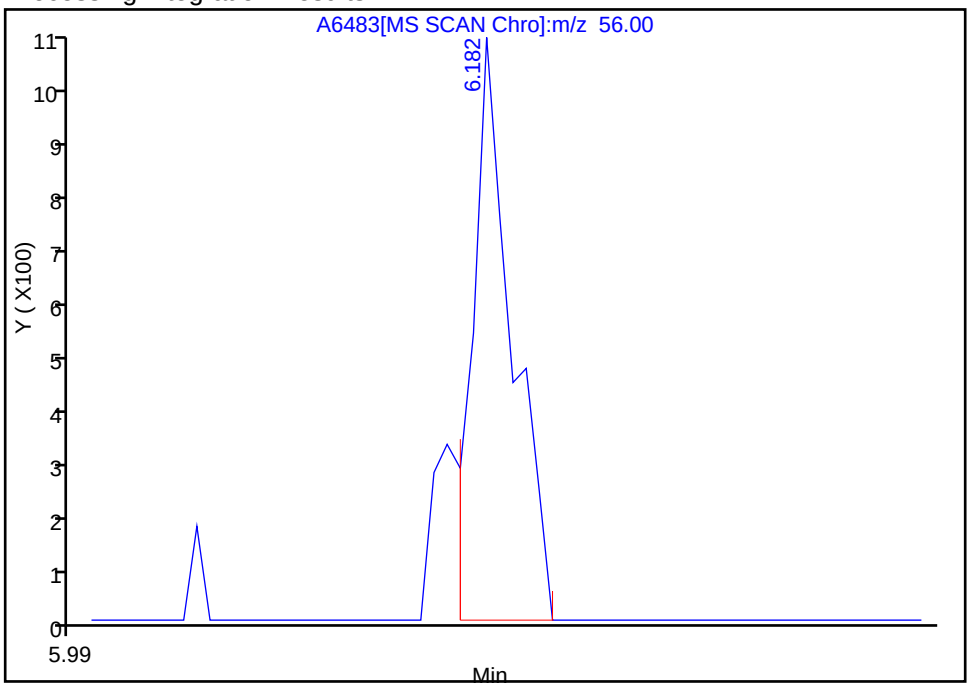
Lims Batch ID: 77114 Lims Sample ID: 4

Operator ID: JLH

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 5.90

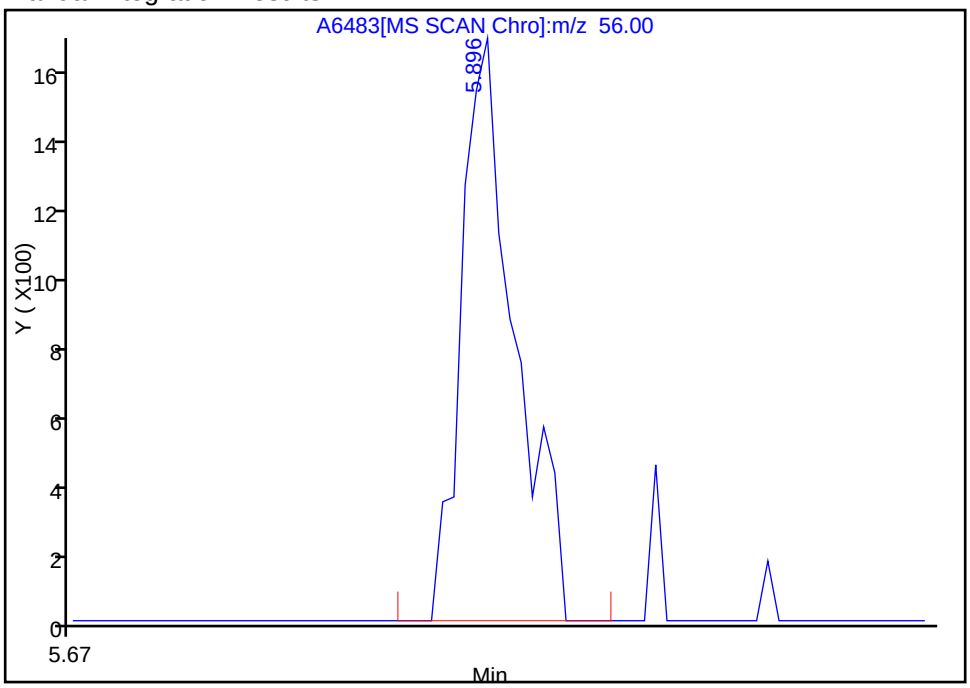
Processing Integration Results

RT: 6.18
Response: 1374
Amount: 266.1300



Manual Integration Results

RT: 5.90
Response: 3384
Amount: 371.7020



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 15:17:13 Chrom Revision: 1.2 17-Feb-2011 18:05:56

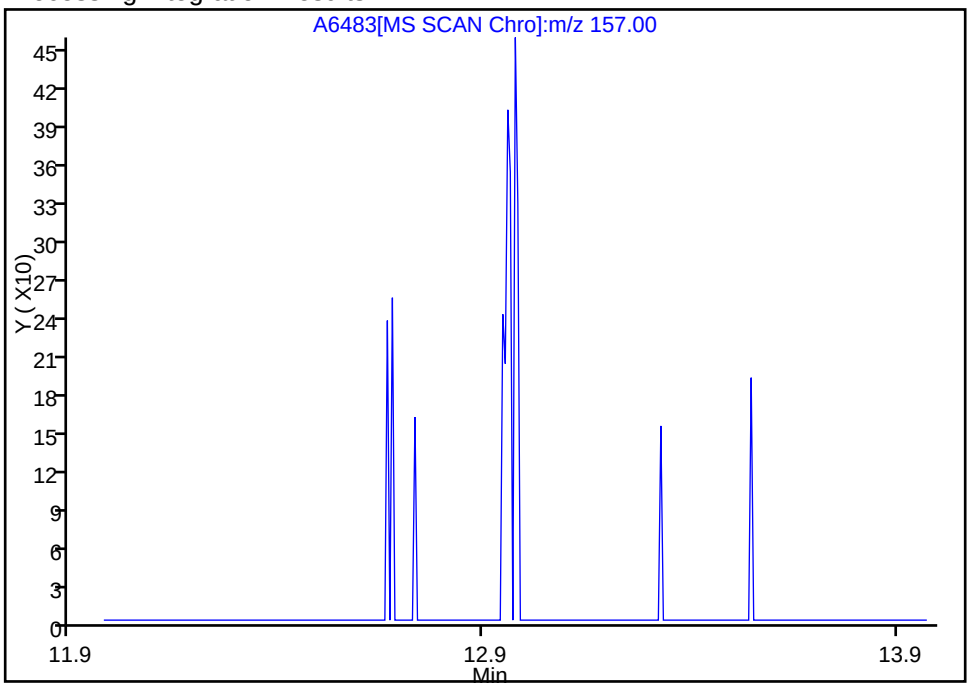
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6483.D		
Injection Date:	09-Mar-2011 14:49:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	4
Operator ID:	JLH		

92 1,2-Dibromo-3-Chloropropane, Signal: 1, m/z: 157.0 Type: quant, RT: 12.98

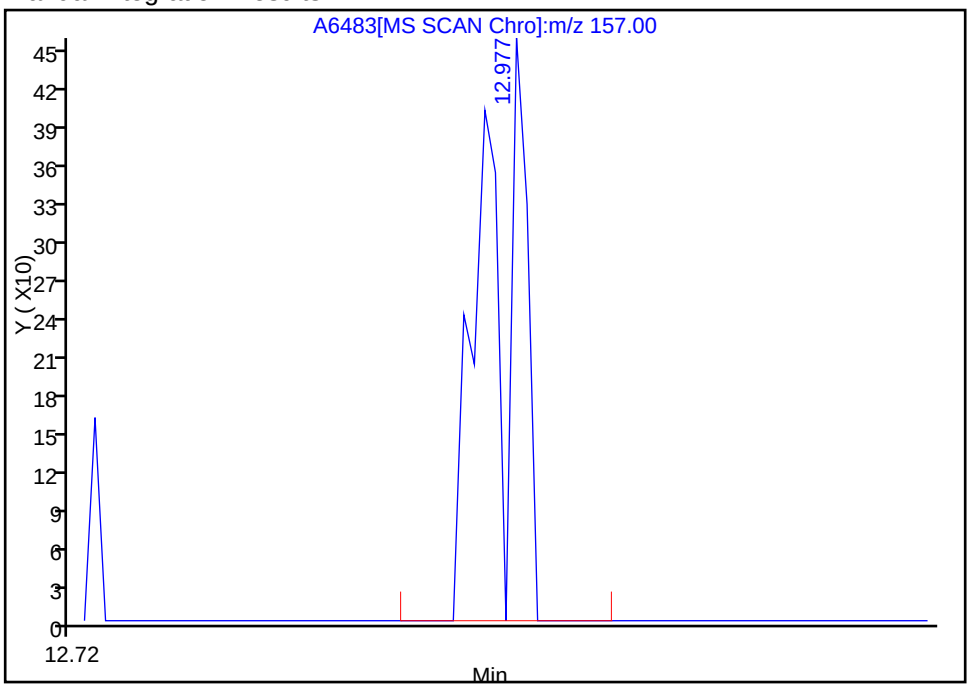
Processing Integration Results

Not Detected
Expected RT: 12.98



Manual Integration Results

RT: 12.98
Response: 725
Amount: 5.000000



Reviewer: hallj, 09-Mar-2011 15:17:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D		
Lims ID:	STD020	Client ID:	
Inject. Date:	09-Mar-2011 15:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD020		
Misc. Info.:	510-0004502-006 =510-0004502-006		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	77114	Lims Sample ID:	6
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 16:16:46	Calib Date:	09-Mar-2011 15:54:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 16:16:46

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.608	5.608	0.0	97	251877	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.807	0.0	86	125228	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.545	0.0	97	86580	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.267	5.267	0.0	0	116585	51.2	
$ 7 Toluene-d8 (Surr)	98	7.232	7.232	0.0	94	257375	50.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.164	0.0	78	107414	51.1	
12 Dichlorodifluoromethane	85	1.434	1.434	0.0	86	50252	18.7	
13 Chloromethane	50	1.605	1.605	0.0	86	30734	18.3	
14 Vinyl chloride	62	1.696	1.696	0.0	100	27141	22.1	
15 Bromomethane	94	2.000	2.000	0.0	90	16374	20.1	
16 Chloroethane	64	2.097	2.097	0.0	98	15126	20.0	
17 Trichlorofluoromethane	101	2.341	2.341	0.0	94	59046	19.1	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.627	2.627	0.0	78	32286	18.8	
19 Acrolein	56	2.730	2.730	0.0	86	4090	20.9	
20 1,1-Dichloroethene	61	2.827	2.827	0.0	95	42383	17.3	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.846	2.846	0.0	92	16718	19.9	
22 Acetone	43	2.870	2.870	0.0	94	11223	20.6	
23 Iodomethane	142	2.967	2.967	0.0	99	9009	42.4	
24 Carbon disulfide	76	3.034	3.034	0.0	98	58256	19.5	
104 Acetonitrile	40	3.132	3.132	0.0	0	2362	20.0	M
25 Methyl acetate	43	3.180	3.180	0.0	99	19549	19.9	
26 Methylene Chloride	84	3.278	3.278	0.0	93	28505	17.9	
27 2-Methyl-2-propanol	59	3.381	3.381	0.0	92	8562	80.0	
28 Acrylonitrile	53	3.503	3.503	0.0	82	8856	21.5	
29 trans-1,2-Dichloroethene	61	3.545	3.545	0.0	71	46558	20.3	
30 Methyl tert-butyl ether	73	3.545	3.545	0.0	97	83920	19.9	
31 Hexane	57	3.813	3.813	0.0	88	14771	20.1	
32 1,1-Dichloroethane	63	3.935	3.935	0.0	81	49561	19.9	
33 Vinyl acetate	43	3.983	3.983	0.0	100	149811	39.3	
34 Isopropyl ether	45	4.014	4.014	0.0	1	89273	20.5	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	86496	20.8	
36 cis-1,2-Dichloroethene	61	4.488	4.488	0.0	95	51361	20.1	
37 2,2-Dichloropropane	77	4.494	4.494	0.0	80	47034	27.3	
38 2-Butanone (MEK)	43	4.494	4.494	0.0	47	12982	20.1	
39 Propionitrile	54	4.549	4.549	0.0	65	3118	20.0	
103 Butadiene	54	4.549	4.549	0.0	0	3174	20.0	M
101 Ethyl acetate	43	4.561	4.561	0.0	0	26059	21.7	
40 Chlorobromomethane	130	4.713	4.713	0.0	94	20693	20.5	
41 Tetrahydrofuran	42	4.762	4.762	0.0	72	7509	20.2	
42 Chloroform	83	4.792	4.792	0.0	94	64405	18.6	
43 1,1,1-Trichloroethane	97	4.981	4.981	0.0	97	56745	20.3	
44 Cyclohexane	56	5.048	5.048	0.0	91	23657	19.5	
46 1,1-Dichloropropene	75	5.139	5.139	0.0	89	36470	19.5	
45 Carbon tetrachloride	117	5.139	5.139	0.0	83	44465	20.4	
47 Benzene	78	5.340	5.340	0.0	95	96614	18.1	
48 1,2-Dichloroethane	62	5.346	5.346	0.0	81	62813	19.4	
50 Isobutyl alcohol	41	5.449	5.449	0.0	41	12309	19.8	
49 Tert-amyl methyl ether	73	5.449	5.449	0.0	93	76561	20.4	
102 n-Butanol	56	5.887	5.887	0.0	0	15930	770.0	
51 Trichloroethene	132	5.973	5.973	0.0	91	29010	19.8	
52 Methylcyclohexane	83	6.179	6.179	0.0	92	23548	21.6	
53 1,2-Dichloropropane	63	6.198	6.198	0.0	67	23602	21.0	
54 Dibromomethane	93	6.307	6.307	0.0	86	20382	19.9	
55 Dichlorobromomethane	83	6.471	6.471	0.0	97	42042	19.2	
56 2-Chloroethyl vinyl ether	63	6.788	6.788	0.0	95	13417	39.8	
60 cis-1,3-Dichloropropene	75	6.940	6.940	0.0	88	41183	19.8	
58 4-Methyl-2-pentanone (MIBK)	43	7.104	7.104	0.0	96	25368	21.2	
59 Toluene	91	7.299	7.299	0.0	93	110551	19.5	
57 trans-1,3-Dichloropropene	75	7.524	7.524	0.0	99	39653	19.4	
61 Ethyl methacrylate	69	7.633	7.633	0.0	82	32983	20.6	
62 1,1,2-Trichloroethane	83	7.719	7.719	0.0	90	21696	20.1	
63 Tetrachloroethene	166	7.895	7.895	0.0	83	22877	19.9	
64 1,3-Dichloropropane	76	7.907	7.907	0.0	97	44160	21.2	
65 2-Hexanone	43	7.998	7.998	0.0	95	15043	21.2	
66 Chlorodibromomethane	129	8.150	8.150	0.0	90	27822	22.5	
67 Ethylene Dibromide	107	8.278	8.278	0.0	93	27023	20.5	
68 Chlorobenzene	112	8.838	8.838	0.0	95	71072	19.2	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.929	0.0	90	26387	19.5	
70 Ethylbenzene	91	8.972	8.972	0.0	98	112419	19.3	
71 m-Xylene & p-Xylene	91	9.106	9.106	0.0	0	185148	39.6	
72 o-Xylene	91	9.562	9.562	0.0	93	95636	20.4	
73 Styrene	104	9.574	9.574	0.0	91	71124	20.6	
74 Bromoform	173	9.769	9.769	0.0	84	13311	21.9	
75 Isopropylbenzene	105	9.994	9.994	0.0	98	89497	19.3	
76 1,1,2,2-Tetrachloroethane	83	10.334	10.334	0.0	69	28266	19.1	
77 Bromobenzene	77	10.340	10.340	0.0	92	49505	19.7	
78 1,2,3-Trichloropropane	75	10.377	10.377	0.0	62	33454	19.9	
79 trans-1,4-Dichloro-2-butene	53	10.407	10.407	0.0	42	8435	23.1	
80 N-Propylbenzene	91	10.480	10.480	0.0	98	102673	20.0	
81 2-Chlorotoluene	91	10.578	10.578	0.0	96	74935	18.9	
82 1,3,5-Trimethylbenzene	105	10.693	10.693	0.0	92	82096	20.4	
83 4-Chlorotoluene	91	10.706	10.706	0.0	91	90996	20.3	

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	65538	20.1	
85 1,2,4-Trimethylbenzene	105	11.144	11.144	0.0	59	86148	21.0	
86 sec-Butylbenzene	105	11.350	11.350	0.0	96	84041	20.9	
87 1,3-Dichlorobenzene	146	11.466	11.466	0.0	92	46920	19.6	
88 4-Isopropyltoluene	119	11.527	11.527	0.0	98	77223	21.2	
89 1,4-Dichlorobenzene	146	11.569	11.569	0.0	94	48753	20.9	
99 1,2,3-Trimethylbenzene	105	11.648	11.648	0.0	0	89904	20.2	
91 1,2-Dichlorobenzene	146	12.026	12.026	0.0	71	42972	17.3	
90 n-Butylbenzene	91	12.026	12.026	0.0	96	68122	21.9	
92 1,2-Dibromo-3-Chloropropane	157	12.969	12.969	0.0	51	4528	20.0	
93 1,2,4-Trichlorobenzene	180	14.003	14.003	0.0	89	20559	20.0	
94 Hexachlorobutadiene	225	14.228	14.228	0.0	92	13493	21.1	
95 Naphthalene	128	14.295	14.295	0.0	99	39158	23.1	
96 1,2,3-Trichlorobenzene	180	14.593	14.593	0.0	92	15829	22.4	
S 98 Xylenes, Total	100				0		59.9	
S 97 Total 1,2-dichloroethene	100				0		40.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 16:16:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D

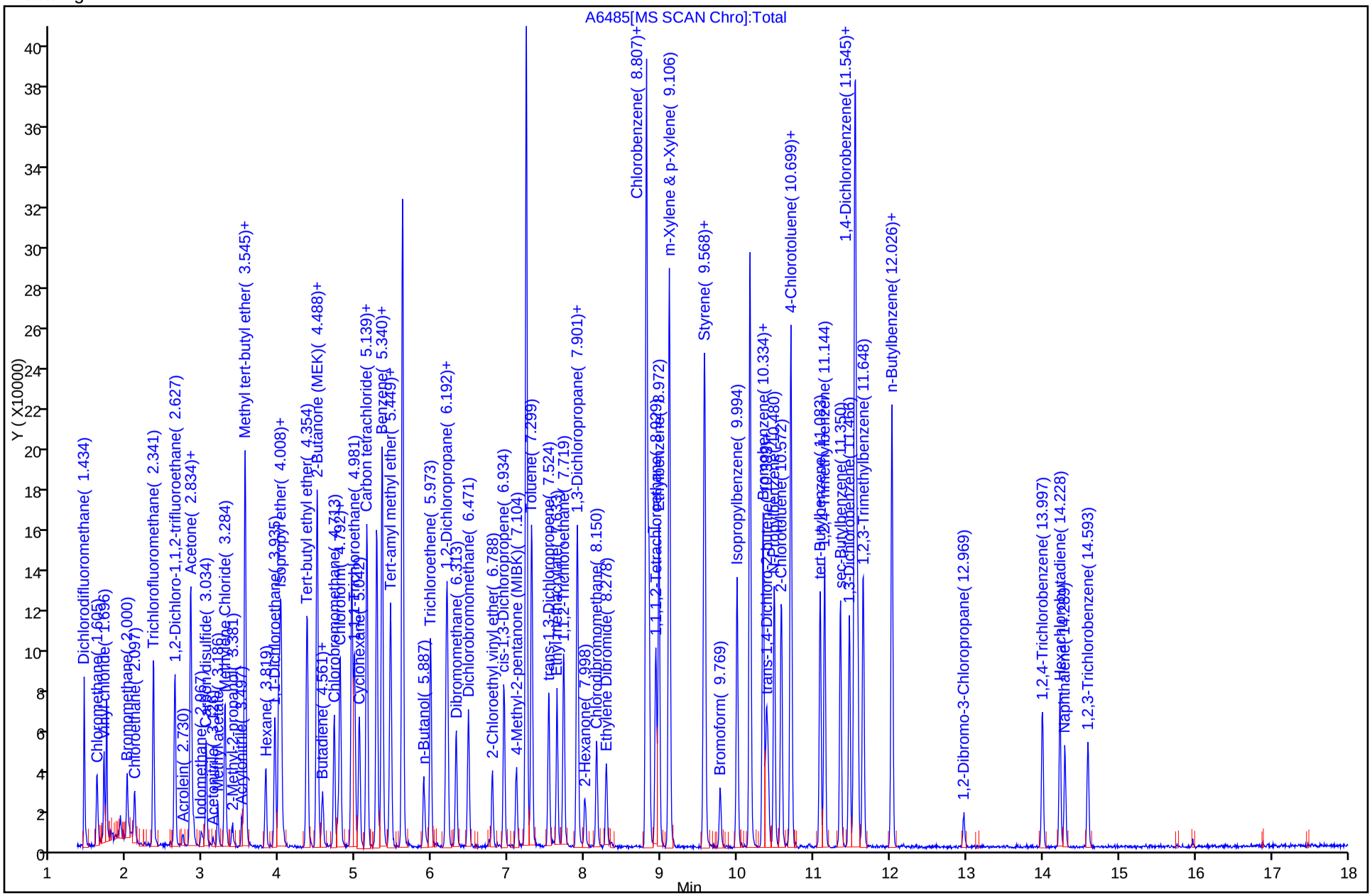
Injection Date: 09-Mar-2011 15:54:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 6

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 16:16:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56

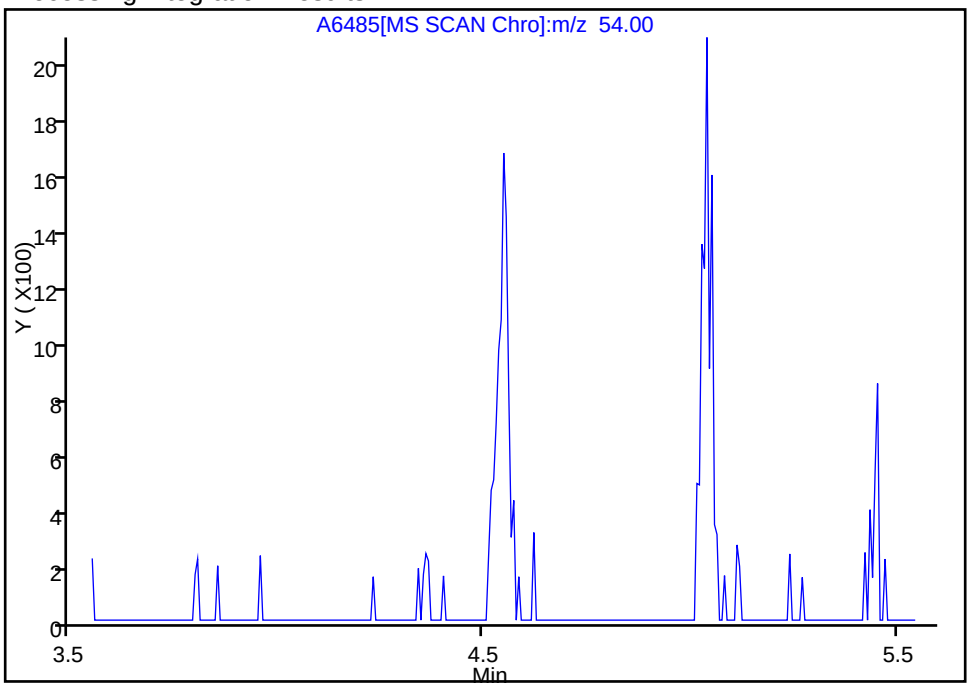
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D
Injection Date: 09-Mar-2011 15:54:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 6
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

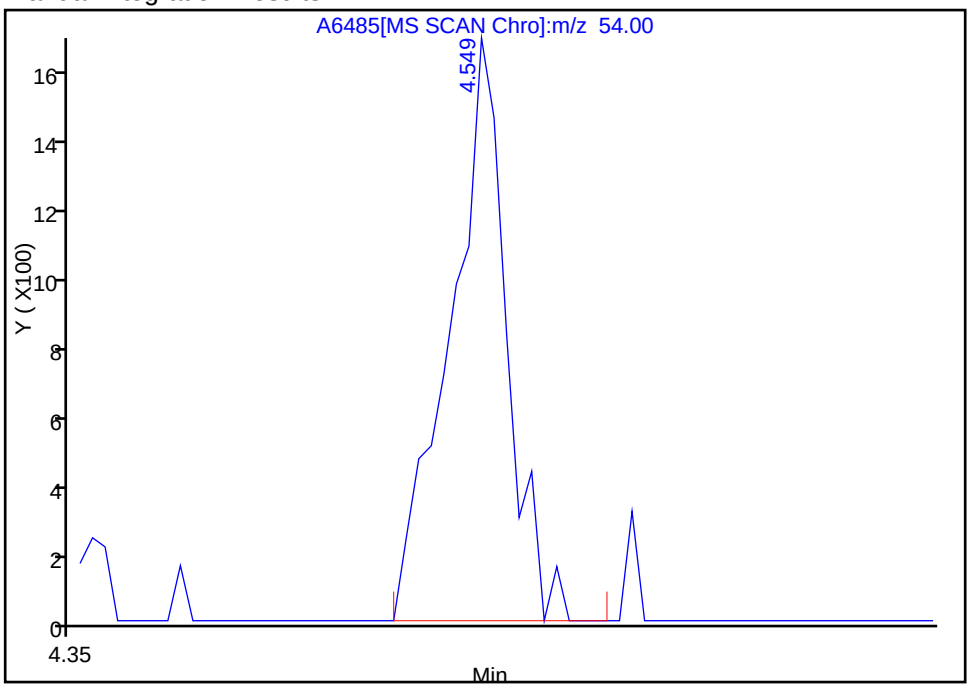
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 3174
Amount: 20.000000



Reviewer: hallj, 09-Mar-2011 16:16:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 16:16:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D

Injection Date: 09-Mar-2011 15:54:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 6

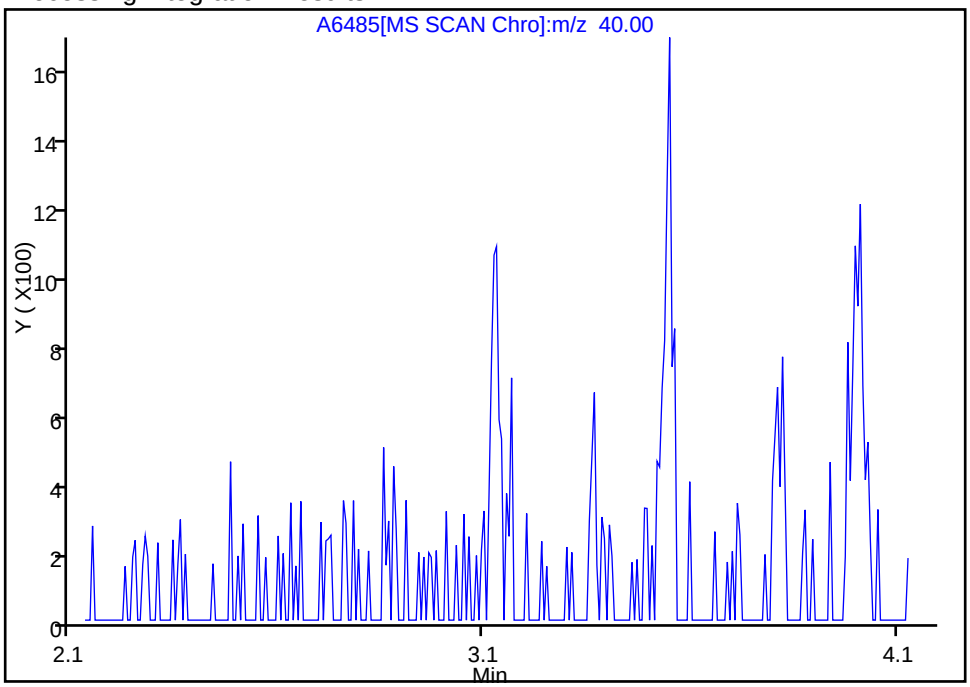
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

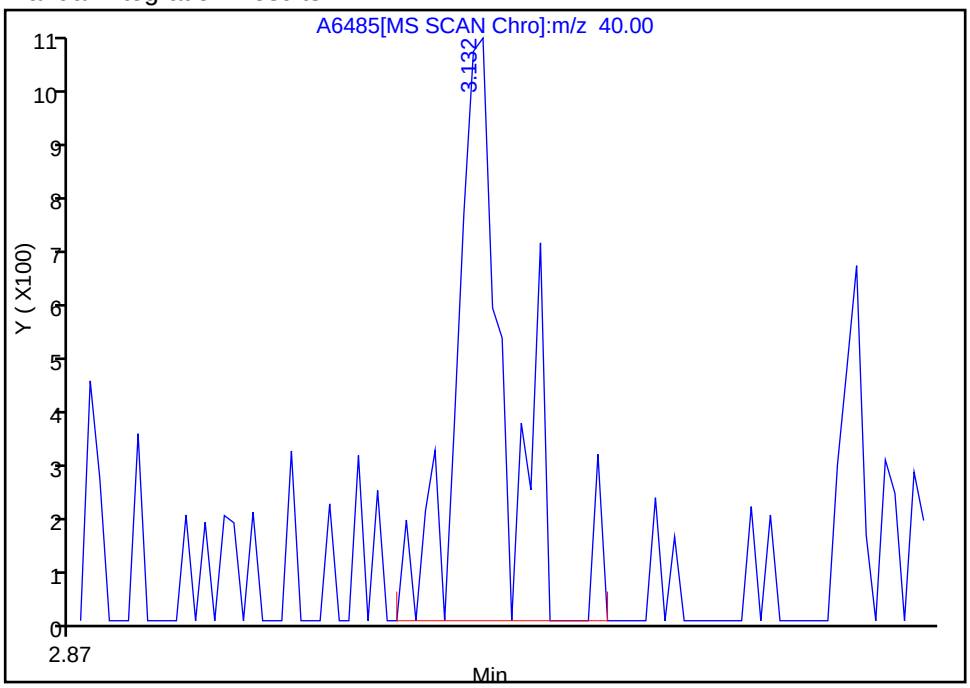


Manual Integration Results

RT: 3.13

Response: 2362

Amount: 20.000000



Reviewer: hallj, 09-Mar-2011 16:16:46

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 16:16:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56

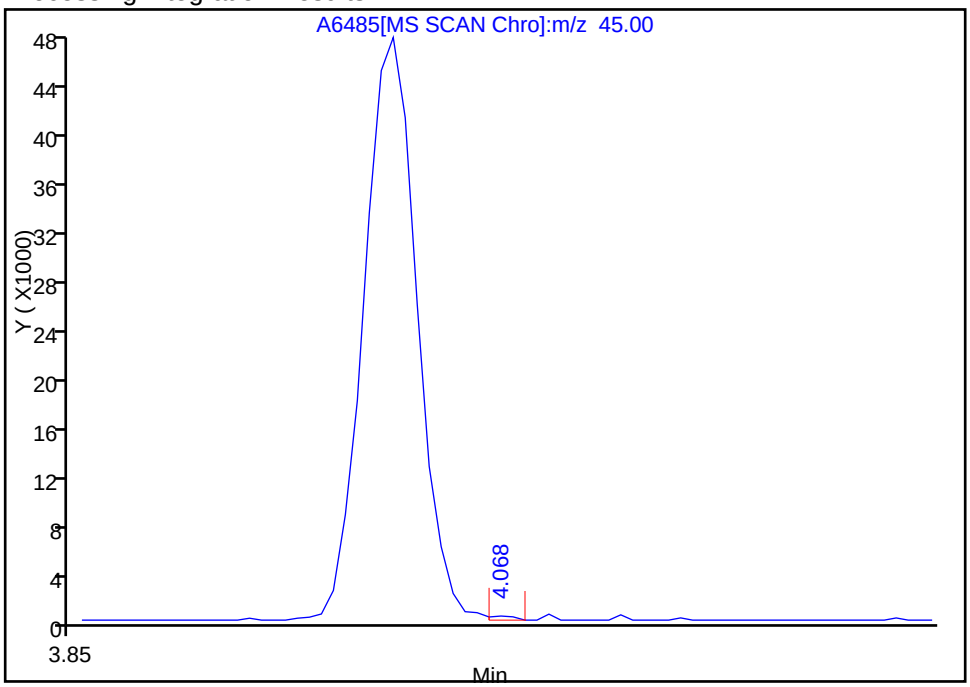
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6485.D		
Injection Date:	09-Mar-2011 15:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	6
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

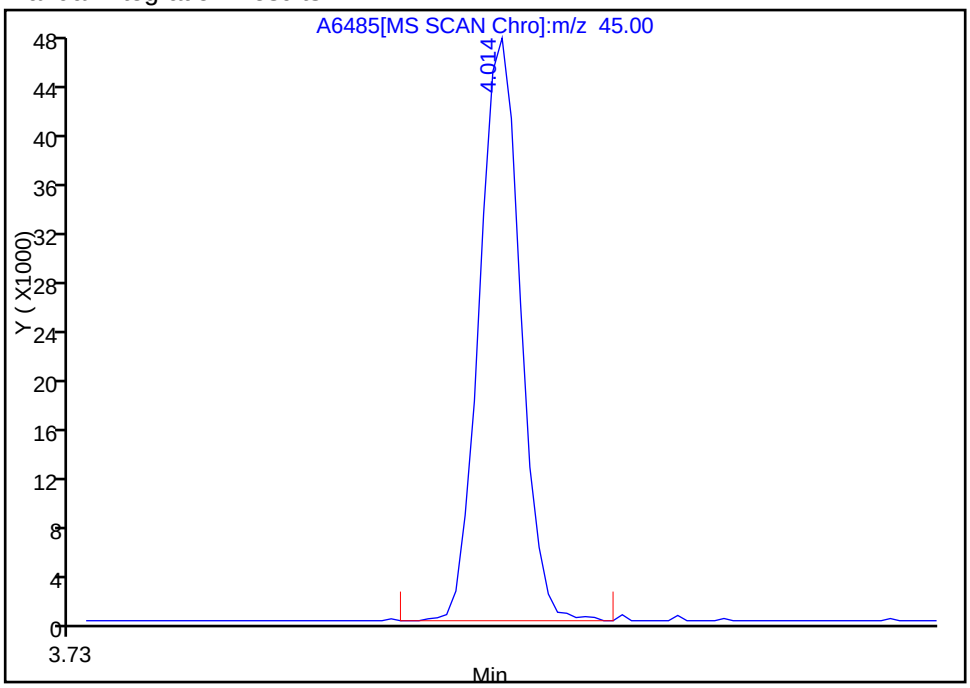
Processing Integration Results

RT: 4.07
Response: 313
Amount: 0.108627



Manual Integration Results

RT: 4.01
Response: 89273
Amount: 20.456347



Reviewer: hallj, 09-Mar-2011 16:16:46
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D		
Lims ID:	STD050	Client ID:	
Inject. Date:	09-Mar-2011 16:26:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	STD050		
Misc. Info.:	510-0004502-007 =510-0004502-007		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	77114	Lims Sample ID:	7
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 17:20:35	Calib Date:	09-Mar-2011 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 16:56:26

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.611	5.611	0.0	98	243746	50.0	
* 2 Chlorobenzene-d5	82	8.805	8.805	0.0	88	122845	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.548	11.548	0.0	97	89512	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.270	5.270	0.0	0	115182	51.9	
$ 7 Toluene-d8 (Surr)	98	7.229	7.229	0.0	95	257404	51.5	
$ 8 4-Bromofluorobenzene (Surr)	95	10.161	10.161	0.0	77	107882	49.8	
12 Dichlorodifluoromethane	85	1.438	1.438	0.0	87	120009	46.3	
13 Chloromethane	50	1.602	1.602	0.0	97	70317	44.0	
14 Vinyl chloride	62	1.693	1.693	0.0	98	66366	46.3	
15 Bromomethane	94	1.997	1.997	0.0	91	46129	44.8	
16 Chloroethane	64	2.095	2.095	0.0	97	36340	48.3	
17 Trichlorofluoromethane	101	2.344	2.344	0.0	77	138448	46.4	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.624	2.624	0.0	85	75600	46.0	
19 Acrolein	56	2.727	2.727	0.0	94	8940	46.2	
20 1,1-Dichloroethene	61	2.831	2.831	0.0	93	96484	42.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.837	2.837	0.0	77	41300	45.4	
22 Acetone	43	2.873	2.873	0.0	98	24851	48.2	
23 Iodomethane	142	2.971	2.971	0.0	92	28748	67.7	
24 Carbon disulfide	76	3.038	3.038	0.0	99	126777	44.2	
104 Acetonitrile	40	3.129	3.129	0.0	0	3345	50.0	M
25 Methyl acetate	43	3.190	3.190	0.0	97	42236	43.9	
26 Methylene Chloride	84	3.281	3.281	0.0	92	60576	41.7	
27 2-Methyl-2-propanol	59	3.384	3.384	0.0	93	18517	183.5	
28 Acrylonitrile	53	3.506	3.506	0.0	98	17834	43.8	
29 trans-1,2-Dichloroethene	61	3.543	3.543	0.0	73	94904	44.0	
30 Methyl tert-butyl ether	73	3.549	3.549	0.0	97	181568	46.3	
31 Hexane	57	3.810	3.810	0.0	86	31454	44.9	
32 1,1-Dichloroethane	63	3.938	3.938	0.0	82	110956	44.6	
33 Vinyl acetate	43	3.987	3.987	0.0	99	313300	96.2	
34 Isopropyl ether	45	4.017	4.017	0.0	1	180211	43.8	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.358	4.358	0.0	95	187592	46.4	
36 cis-1,2-Dichloroethene	61	4.485	4.485	0.0	93	114241	46.6	
37 2,2-Dichloropropane	77	4.492	4.492	0.0	78	105577	45.3	
38 2-Butanone (MEK)	43	4.498	4.498	0.0	51	22258	35.6	M
103 Butadiene	54	4.546	4.546	0.0	0	7702	47.2	M
39 Propionitrile	54	4.546	4.546	0.0	0	7702	50.3	M
101 Ethyl acetate	43	4.558	4.558	0.0	0	52649	45.6	
40 Chlorobromomethane	130	4.717	4.717	0.0	95	42781	45.0	
41 Tetrahydrofuran	42	4.765	4.765	0.0	87	13721	43.4	
42 Chloroform	83	4.790	4.790	0.0	96	133585	42.3	
43 1,1,1-Trichloroethane	97	4.978	4.978	0.0	96	120518	44.8	
44 Cyclohexane	56	5.039	5.039	0.0	92	53460	45.4	
45 Carbon tetrachloride	117	5.142	5.142	0.0	98	89436	43.3	
46 1,1-Dichloropropene	75	5.142	5.142	0.0	86	75233	42.7	
47 Benzene	78	5.343	5.343	0.0	97	214686	43.0	
48 1,2-Dichloroethane	62	5.343	5.343	0.0	73	139270	45.4	
49 Tert-amyl methyl ether	73	5.453	5.453	0.0	92	165736	45.6	
50 Isobutyl alcohol	41	5.453	5.453	0.0	41	26641	45.4	
102 n-Butanol	56	5.885	5.885	0.0	0	21162	1012.3	
51 Trichloroethene	132	5.976	5.976	0.0	96	62627	44.8	
52 Methylcyclohexane	83	6.183	6.183	0.0	84	51446	47.4	
53 1,2-Dichloropropane	63	6.195	6.195	0.0	71	55782	45.1	
54 Dibromomethane	93	6.311	6.311	0.0	94	41859	46.3	
55 Dichlorobromomethane	83	6.475	6.475	0.0	99	100858	46.7	
56 2-Chloroethyl vinyl ether	63	6.785	6.785	0.0	94	33746	87.1	
60 cis-1,3-Dichloropropene	75	6.937	6.937	0.0	88	94586	45.4	
58 4-Methyl-2-pentanone (MIBK)	43	7.101	7.101	0.0	98	52487	45.7	
59 Toluene	91	7.302	7.302	0.0	94	237121	44.2	
57 trans-1,3-Dichloropropene	75	7.521	7.521	0.0	94	92085	45.2	
61 Ethyl methacrylate	69	7.637	7.637	0.0	82	74192	47.1	
62 1,1,2-Trichloroethane	83	7.722	7.722	0.0	90	46212	44.9	
63 Tetrachloroethene	166	7.892	7.892	0.0	92	50523	44.2	
64 1,3-Dichloropropane	76	7.904	7.904	0.0	94	98874	48.2	
65 2-Hexanone	43	8.002	8.002	0.0	96	39034	52.6	
66 Chlorodibromomethane	129	8.154	8.154	0.0	86	65639	43.7	
67 Ethylene Dibromide	107	8.282	8.282	0.0	98	64605	48.5	
68 Chlorobenzene	112	8.835	8.835	0.0	99	155243	43.7	
69 1,1,1,2-Tetrachloroethane	131	8.926	8.926	0.0	86	60387	48.5	
70 Ethylbenzene	91	8.969	8.969	0.0	98	243422	43.7	
71 m-Xylene & p-Xylene	91	9.109	9.109	0.0	0	398667	89.1	
72 o-Xylene	91	9.559	9.559	0.0	96	214448	46.2	
73 Styrene	104	9.577	9.577	0.0	92	163446	47.1	
74 Bromoform	173	9.772	9.772	0.0	93	33795	44.0	
75 Isopropylbenzene	105	9.997	9.997	0.0	99	205167	43.9	
76 1,1,2,2-Tetrachloroethane	83	10.332	10.332	0.0	68	62010	42.8	
77 Bromobenzene	77	10.338	10.338	0.0	95	106949	42.8	
78 1,2,3-Trichloropropane	75	10.380	10.380	0.0	51	75285	44.1	
79 trans-1,4-Dichloro-2-butene	53	10.405	10.405	0.0	52	20772	48.7	
80 N-Propylbenzene	91	10.484	10.484	0.0	98	232605	44.8	
81 2-Chlorotoluene	91	10.575	10.575	0.0	98	164684	42.2	
82 1,3,5-Trimethylbenzene	105	10.697	10.697	0.0	93	187582	45.8	
83 4-Chlorotoluene	91	10.703	10.703	0.0	91	205594	45.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.080	11.080	0.0	89	147345	44.5	
85 1,2,4-Trimethylbenzene	105	11.141	11.141	0.0	62	195674	46.4	
86 sec-Butylbenzene	105	11.354	11.354	0.0	96	195784	46.6	
87 1,3-Dichlorobenzene	146	11.469	11.469	0.0	94	102893	43.1	
88 4-Isopropyltoluene	119	11.530	11.530	0.0	97	174600	46.3	
89 1,4-Dichlorobenzene	146	11.573	11.573	0.0	91	108744	46.4	
99 1,2,3-Trimethylbenzene	105	11.646	11.646	0.0	0	203139	44.8	
91 1,2-Dichlorobenzene	146	12.023	12.023	0.0	76	101999	42.2	
90 n-Butylbenzene	91	12.023	12.023	0.0	99	150115	46.2	
92 1,2-Dibromo-3-Chloropropane	157	12.966	12.966	0.0	56	9013	44.3	
93 1,2,4-Trichlorobenzene	180	14.000	14.000	0.0	90	47545	48.4	
94 Hexachlorobutadiene	225	14.225	14.225	0.0	94	28003	47.8	
95 Naphthalene	128	14.292	14.292	0.0	98	95551	51.0	
96 1,2,3-Trichlorobenzene	180	14.596	14.596	0.0	96	35422	48.2	
S 98 Xylenes, Total	100				0		135.3	
S 97 Total 1,2-dichloroethene	100				0		90.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D

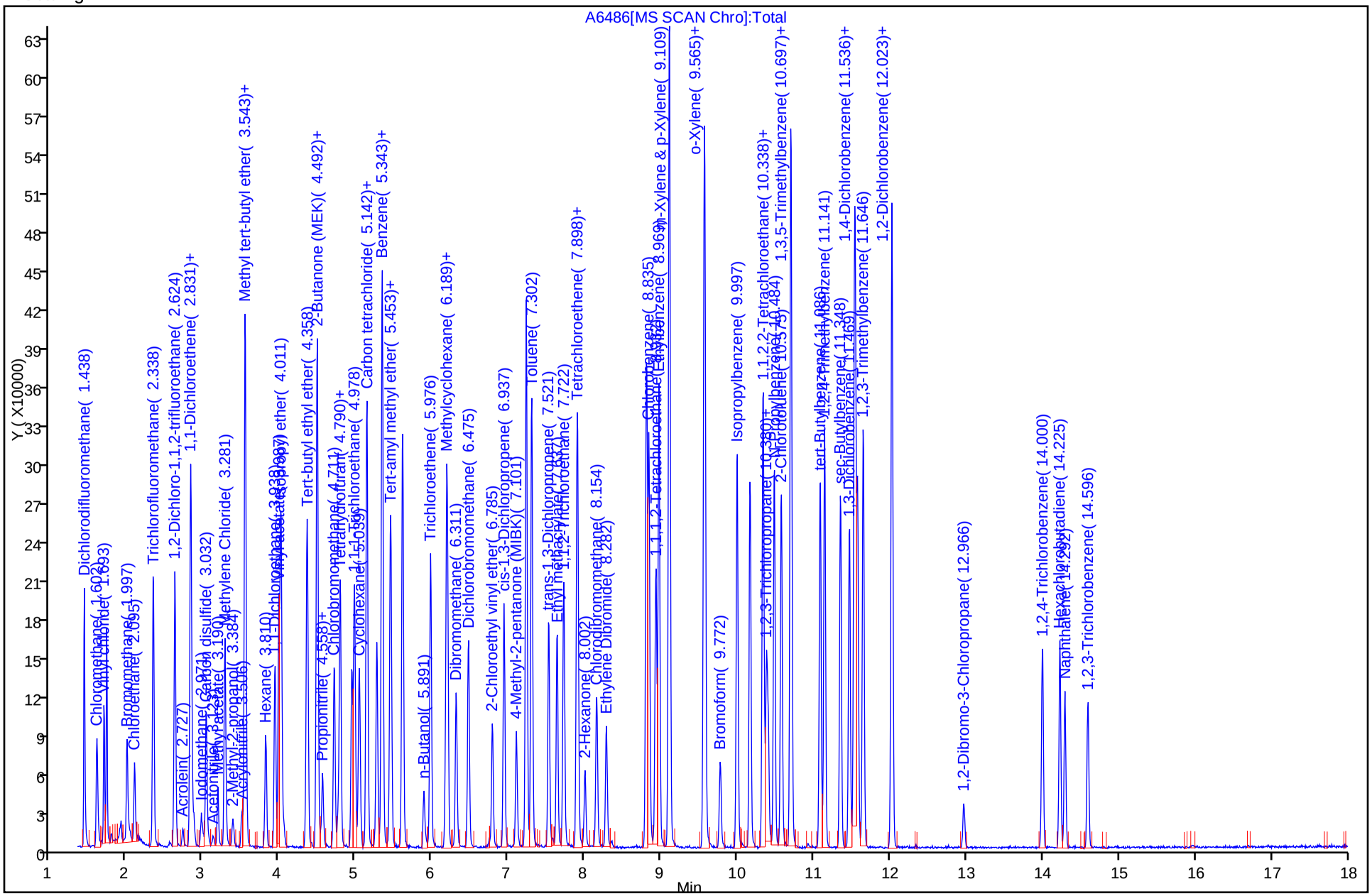
Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 7

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D

Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 7

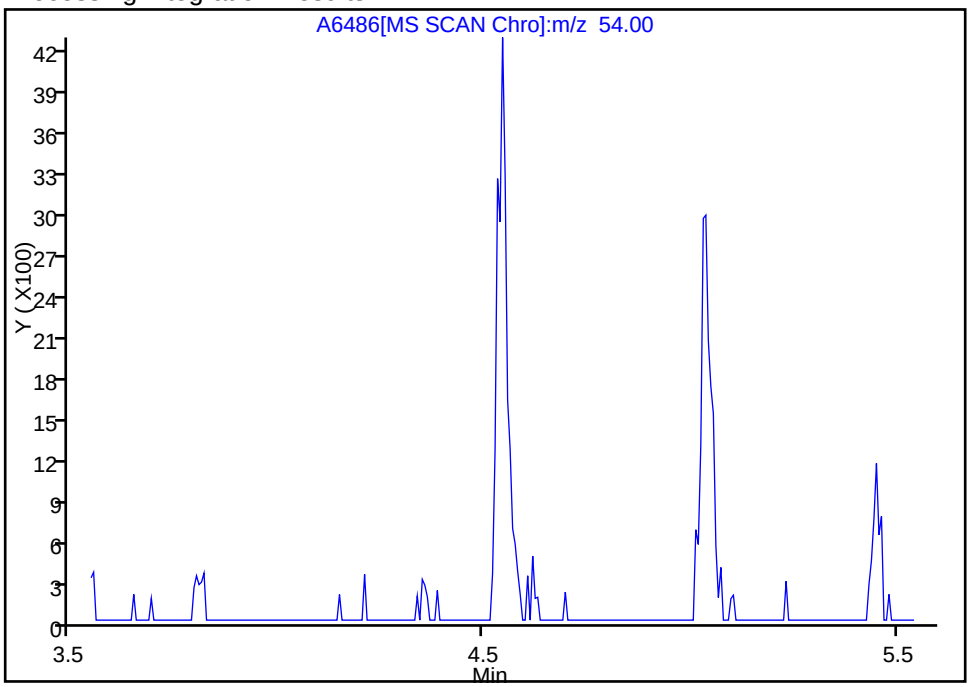
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Not Detected

Expected RT: 4.55

Processing Integration Results

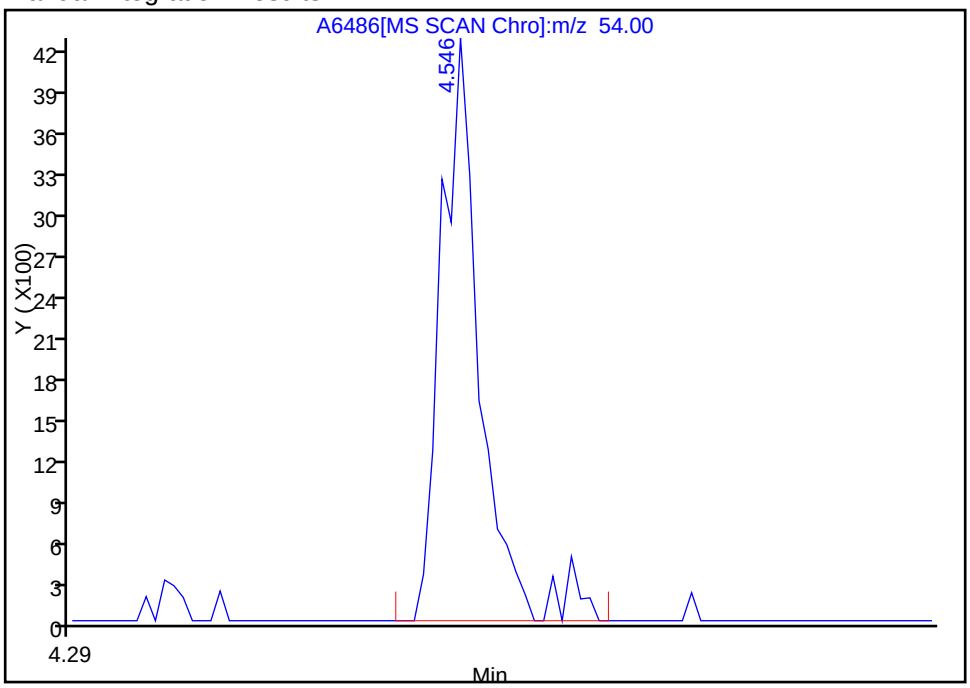


Manual Integration Results

RT: 4.55

Response: 7702

Amount: 50.263626



Reviewer: hallj, 09-Mar-2011 16:56:26

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

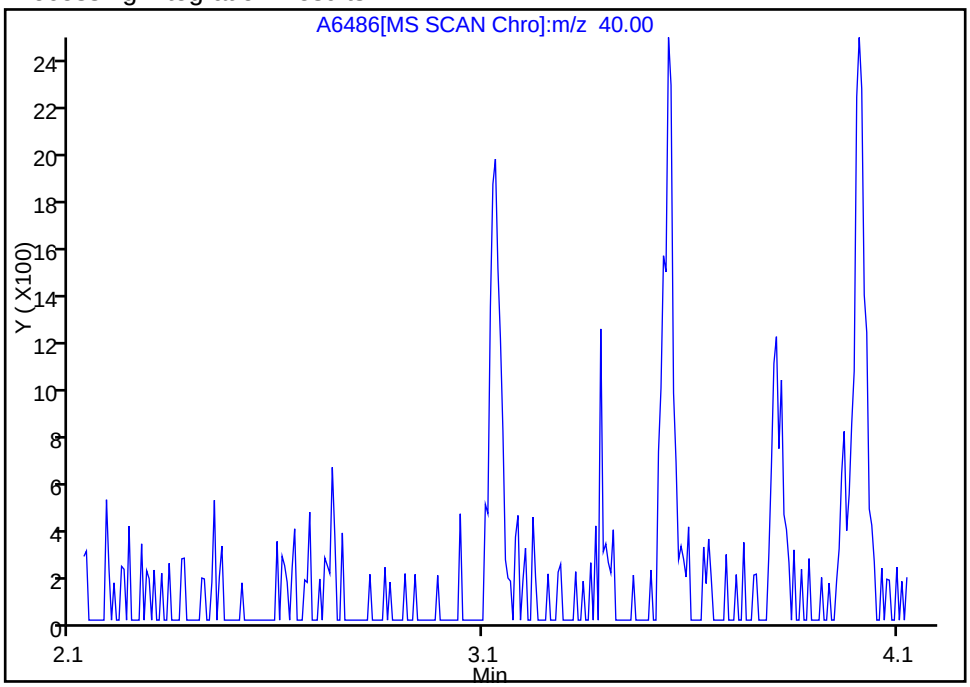
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D
Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 7
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

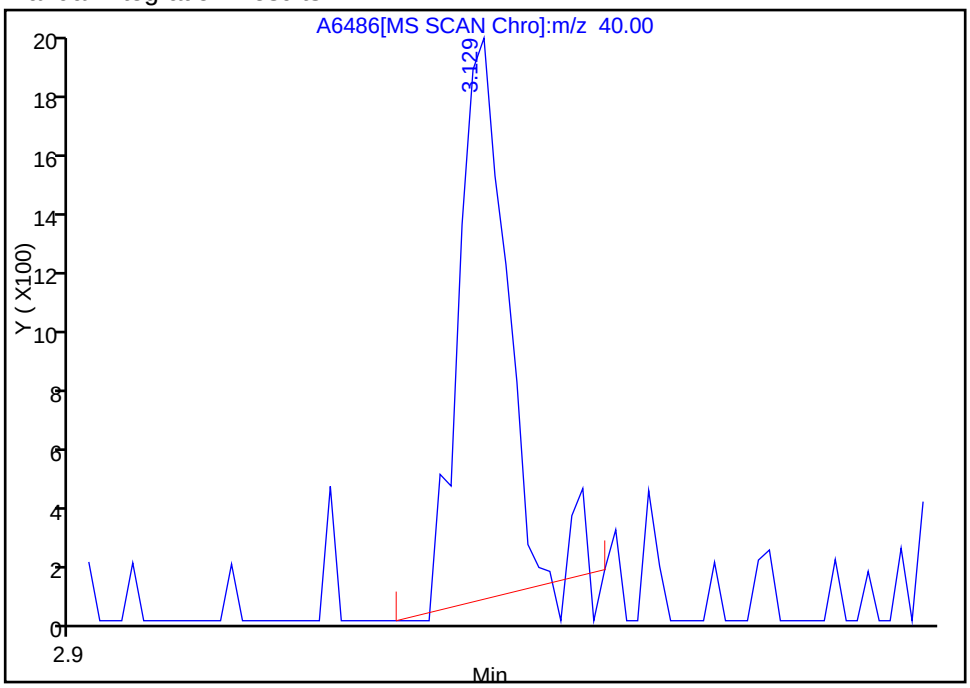
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Response: 3345
Amount: 50.000000



Reviewer: hallj, 09-Mar-2011 16:56:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

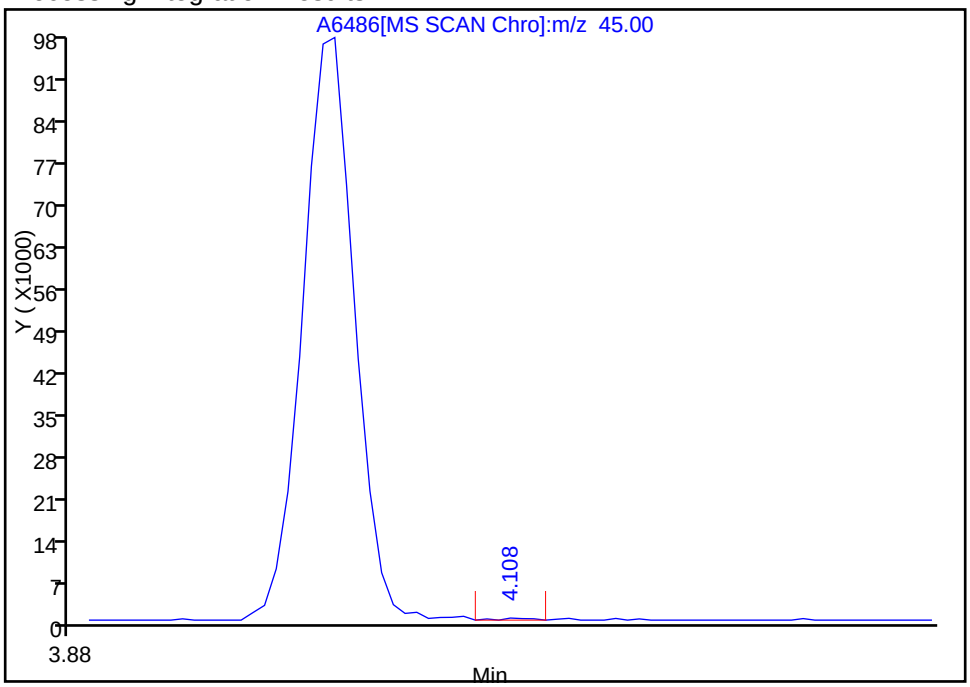
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D
Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 7
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

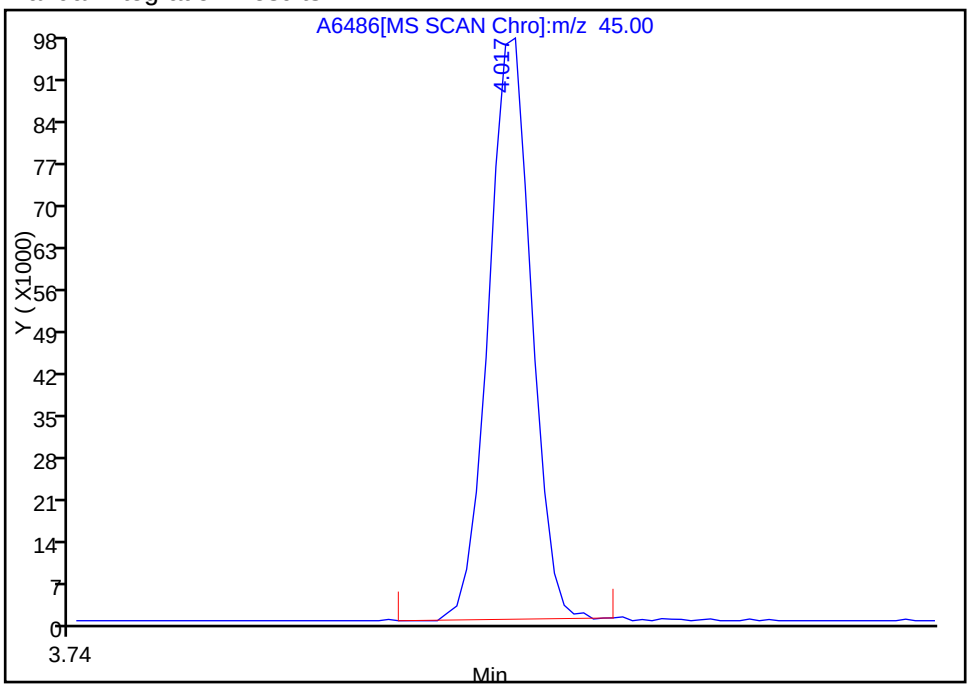
Processing Integration Results

RT: 4.11
Response: 375
Amount: 0.118324



Manual Integration Results

RT: 4.02
Response: 180211
Amount: 43.801283



Reviewer: hallj, 09-Mar-2011 16:56:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D

Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

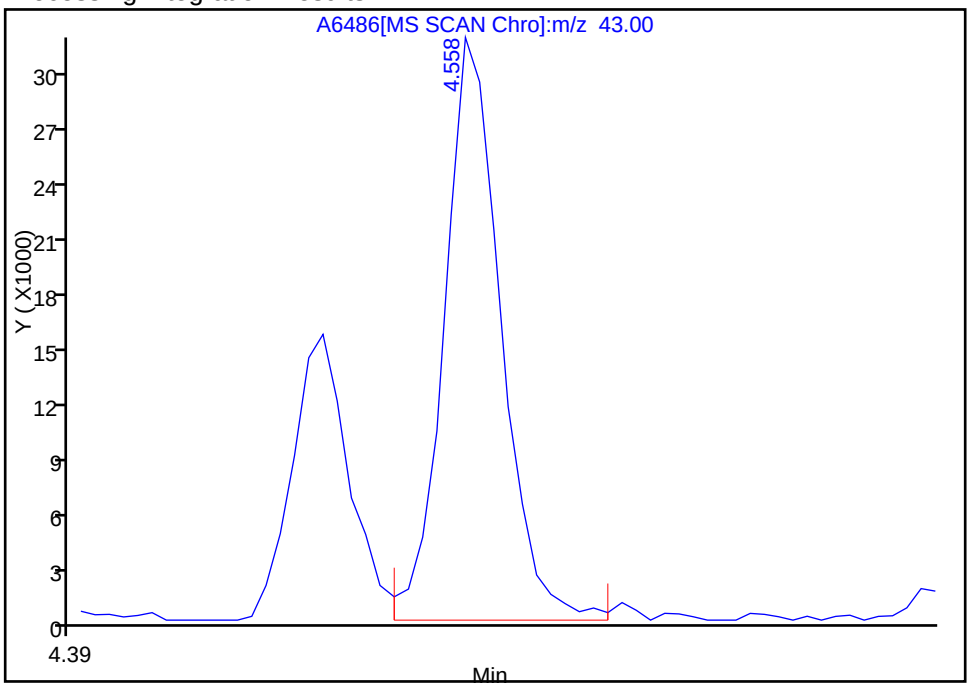
Lims Batch ID: 77114 Lims Sample ID: 7

Operator ID: JLH

38 2-Butanone (MEK), Signal: 1, m/z: 43.0 Type: quant, RT: 4.50

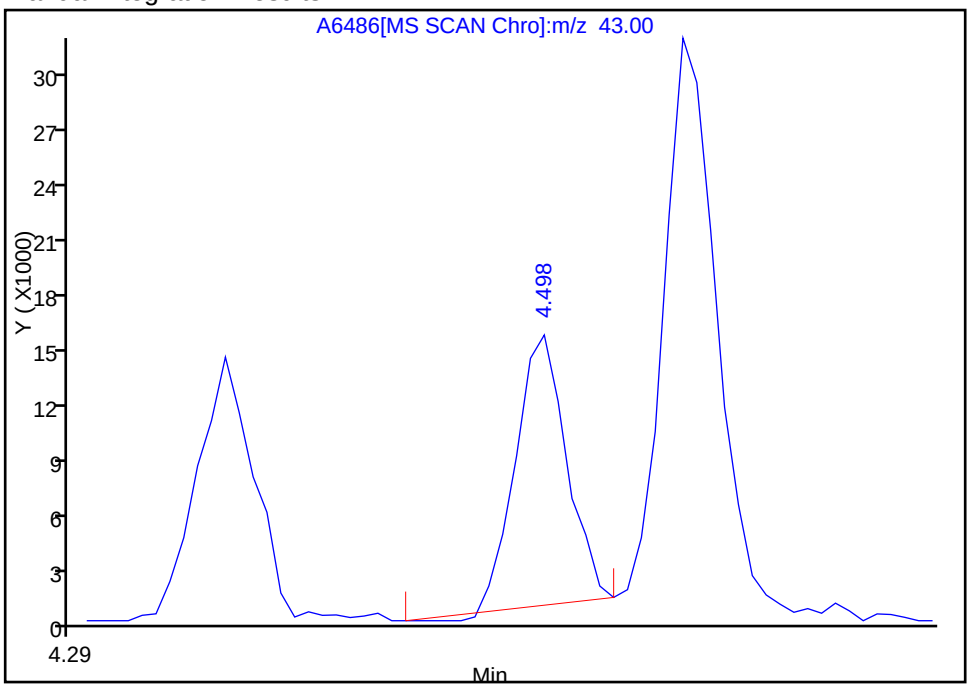
Processing Integration Results

RT: 4.56
Response: 52649
Amount: 50.001932



Manual Integration Results

RT: 4.50
Response: 22258
Amount: 35.570484



Reviewer: hallj, 09-Mar-2011 17:20:35
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 09-Mar-2011 17:20:35 Chrom Revision: 1.2 17-Feb-2011 18:05:56

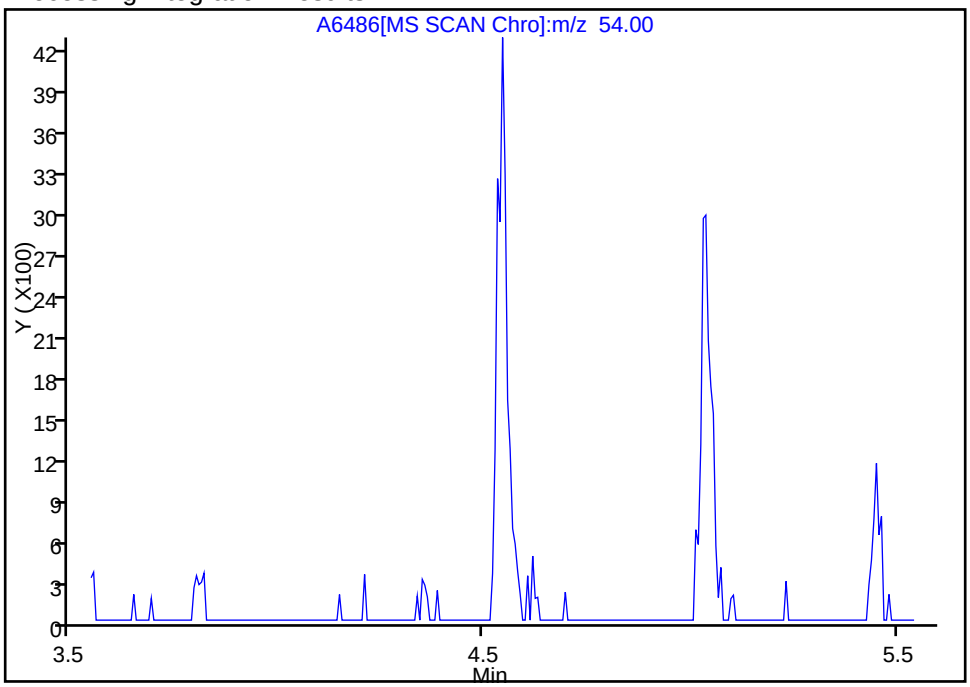
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6486.D
Injection Date: 09-Mar-2011 16:26:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 7
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

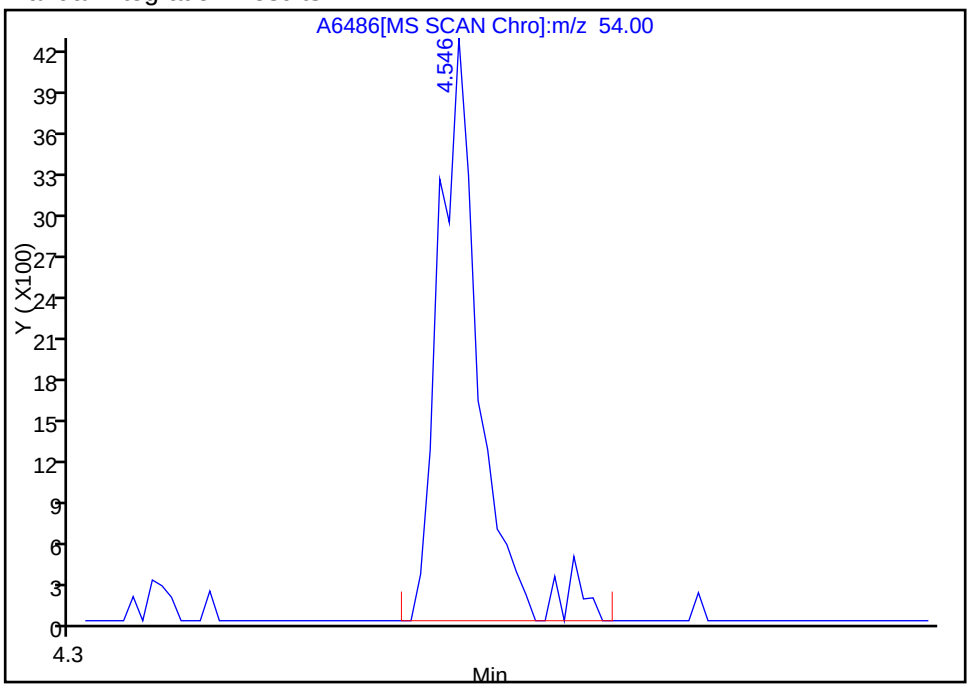
Processing Integration Results

Not Detected
Expected RT: 4.55



Manual Integration Results

RT: 4.55
Response: 7702
Amount: 47.153005



Reviewer: hallj, 09-Mar-2011 16:56:26
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	09-Mar-2011 16:58:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD100		
Misc. Info.:	510-0004502-008 =510-0004502-008		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	77114	Lims Sample ID:	8
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 17:19:37	Calib Date:	09-Mar-2011 16:58:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 17:19:37

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.610	5.611	-0.001	97	248554	50.0	
* 2 Chlorobenzene-d5	82	8.803	8.805	-0.002	89	125821	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.547	11.548	-0.001	94	92972	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.269	5.270	-0.001	0	112497	49.7	
$ 7 Toluene-d8 (Surr)	98	7.234	7.229	0.005	94	265614	52.1	
$ 8 4-Bromofluorobenzene (Surr)	95	10.160	10.161	-0.001	76	111973	49.7	
12 Dichlorodifluoromethane	85	1.436	1.438	-0.002	87	279951	105.9	
13 Chloromethane	50	1.607	1.602	0.005	99	175002	107.4	
14 Vinyl chloride	62	1.692	1.693	-0.001	99	160011	108.5	
15 Bromomethane	94	1.990	1.997	-0.007	93	114279	102.9	
16 Chloroethane	64	2.093	2.095	-0.002	97	84108	111.0	
17 Trichlorofluoromethane	101	2.343	2.344	-0.001	76	320798	105.5	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.623	2.624	-0.001	76	175578	104.7	
19 Acrolein	56	2.732	2.727	0.005	92	21426	106.7	
20 1,1-Dichloroethene	61	2.829	2.831	-0.002	94	233543	101.1	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.836	2.837	-0.001	75	91084	98.2	
22 Acetone	43	2.872	2.873	-0.001	100	54388	104.8	
23 Iodomethane	142	2.969	2.971	-0.002	93	95163	219.6	
24 Carbon disulfide	76	3.036	3.038	-0.002	99	321395	109.8	
104 Acetonitrile	40	3.121	3.121	0.0	0	8497	100.0	M
25 Methyl acetate	43	3.182	3.190	-0.008	99	103784	102.8	
26 Methylene Chloride	84	3.280	3.281	-0.001	91	143949	97.3	
27 2-Methyl-2-propanol	59	3.383	3.384	-0.001	97	42427	398.1	
28 Acrylonitrile	53	3.499	3.506	-0.007	93	49432	119.1	
29 trans-1,2-Dichloroethene	61	3.541	3.543	-0.002	75	226829	103.1	
30 Methyl tert-butyl ether	73	3.547	3.549	-0.002	97	409836	101.5	
31 Hexane	57	3.815	3.810	0.005	85	74457	104.3	
32 1,1-Dichloroethane	63	3.937	3.938	-0.001	98	266527	102.5	
33 Vinyl acetate	43	3.985	3.987	-0.002	99	746125	224.6	
34 Isopropyl ether	45	4.016	4.016	0.0	1	438240	104.5	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.356	4.358	-0.002	97	446771	108.3	
36 cis-1,2-Dichloroethene	61	4.484	4.485	-0.001	96	262576	105.0	
37 2,2-Dichloropropane	77	4.490	4.492	-0.002	80	248884	102.1	
38 2-Butanone (MEK)	43	4.496	4.498	-0.002	46	66242	103.6	
39 Propionitrile	54	4.545	4.546	-0.001	94	15650	100.4	
103 Butadiene	54	4.545	4.545	0.0	0	15513	93.1	M
101 Ethyl acetate	43	4.557	4.558	-0.001	0	126164	107.1	
40 Chlorobromomethane	130	4.715	4.717	-0.002	92	99521	102.6	
41 Tetrahydrofuran	42	4.764	4.765	-0.001	86	32657	102.6	
42 Chloroform	83	4.788	4.790	-0.002	79	315094	97.7	
43 1,1,1-Trichloroethane	97	4.977	4.978	-0.001	99	297861	108.6	
44 Cyclohexane	56	5.044	5.039	0.005	92	131530	109.6	
45 Carbon tetrachloride	117	5.141	5.142	-0.001	98	226437	107.5	
46 1,1-Dichloropropene	75	5.135	5.142	-0.007	89	191639	106.7	
47 Benzene	78	5.336	5.343	-0.007	97	503923	99.1	
48 1,2-Dichloroethane	62	5.342	5.343	-0.001	71	323206	103.2	
49 Tert-amyl methyl ether	73	5.451	5.453	-0.002	94	403080	108.9	
50 Isobutyl alcohol	41	5.451	5.453	-0.002	42	60166	100.6	
102 n-Butanol	56	5.889	5.885	0.004	0	30205	1390.7	
51 Trichloroethene	132	5.975	5.976	-0.001	88	151525	106.3	
52 Methylcyclohexane	83	6.181	6.183	-0.002	87	125717	113.6	
53 1,2-Dichloropropane	63	6.194	6.195	-0.001	71	127020	100.6	
54 Dibromomethane	93	6.309	6.311	-0.001	97	97297	105.6	
55 Dichlorobromomethane	83	6.473	6.475	-0.002	98	246008	111.7	
56 2-Chloroethyl vinyl ether	63	6.784	6.785	-0.001	92	85098	206.7	
60 cis-1,3-Dichloropropene	75	6.936	6.937	-0.001	90	234261	108.6	
58 4-Methyl-2-pentanone (MIBK)	43	7.100	7.101	-0.001	97	124172	105.9	
59 Toluene	91	7.301	7.302	-0.001	95	574034	105.0	
57 trans-1,3-Dichloropropene	75	7.526	7.521	0.005	97	229810	108.9	
61 Ethyl methacrylate	69	7.635	7.637	-0.002	85	177890	110.7	
62 1,1,2-Trichloroethane	83	7.721	7.722	-0.001	97	110926	105.8	
63 Tetrachloroethene	166	7.897	7.892	0.005	75	121258	102.8	
64 1,3-Dichloropropane	76	7.909	7.904	0.005	93	226333	108.2	
65 2-Hexanone	43	7.994	8.002	-0.008	97	88445	117.0	
66 Chlorodibromomethane	129	8.153	8.154	-0.001	88	164261	103.1	
67 Ethylene Dibromide	107	8.280	8.282	-0.002	100	157481	116.0	
68 Chlorobenzene	112	8.840	8.835	0.005	98	384746	105.6	
69 1,1,1,2-Tetrachloroethane	131	8.931	8.926	0.005	81	160092	100.2	
70 Ethylbenzene	91	8.968	8.969	-0.001	99	593563	104.1	
71 m-Xylene & p-Xylene	91	9.108	9.109	-0.001	0	942804	205.8	
72 o-Xylene	91	9.558	9.559	-0.001	96	524536	110.3	
73 Styrene	104	9.576	9.577	-0.001	91	398421	112.2	
74 Bromoform	173	9.777	9.772	0.005	97	84680	103.1	
75 Isopropylbenzene	105	9.996	9.997	-0.001	98	506589	104.4	
76 1,1,2,2-Tetrachloroethane	83	10.330	10.332	-0.002	67	146515	97.3	
77 Bromobenzene	77	10.336	10.338	-0.002	97	263373	101.6	
78 1,2,3-Trichloropropane	75	10.379	10.380	-0.001	49	189642	107.0	
79 trans-1,4-Dichloro-2-butene	53	10.403	10.405	-0.002	54	55489	100.2	
80 N-Propylbenzene	91	10.482	10.484	-0.002	97	561873	104.2	
81 2-Chlorotoluene	91	10.574	10.575	-0.001	97	408976	100.9	
82 1,3,5-Trimethylbenzene	105	10.695	10.697	-0.002	92	445545	104.7	
83 4-Chlorotoluene	91	10.701	10.703	-0.002	91	478300	101.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.085	11.080	0.005	89	363174	105.5	
85 1,2,4-Trimethylbenzene	105	11.140	11.141	-0.001	59	457997	104.6	
86 sec-Butylbenzene	105	11.346	11.354	-0.008	96	478459	109.7	
87 1,3-Dichlorobenzene	146	11.468	11.469	-0.001	95	254102	102.6	
88 4-Isopropyltoluene	119	11.529	11.530	-0.001	97	426369	108.8	
89 1,4-Dichlorobenzene	146	11.571	11.573	-0.002	89	257485	107.0	
99 1,2,3-Trimethylbenzene	105	11.651	11.646	0.005	0	493788	105.0	
91 1,2-Dichlorobenzene	146	12.022	12.023	-0.001	76	243525	97.0	
90 n-Butylbenzene	91	12.028	12.023	0.005	98	372468	110.4	
92 1,2-Dibromo-3-Chloropropane	157	12.965	12.966	-0.001	65	21912	102.1	
93 1,2,4-Trichlorobenzene	180	13.999	14.000	-0.001	90	124824	100.2	
94 Hexachlorobutadiene	225	14.230	14.225	0.005	94	72651	100.3	
95 Naphthalene	128	14.291	14.292	-0.001	99	229448	117.9	
96 1,2,3-Trichlorobenzene	180	14.595	14.596	-0.001	95	80058	104.9	
S 98 Xylenes, Total	100				0		316.1	
S 97 Total 1,2-dichloroethene	100				0		208.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 17:19:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D

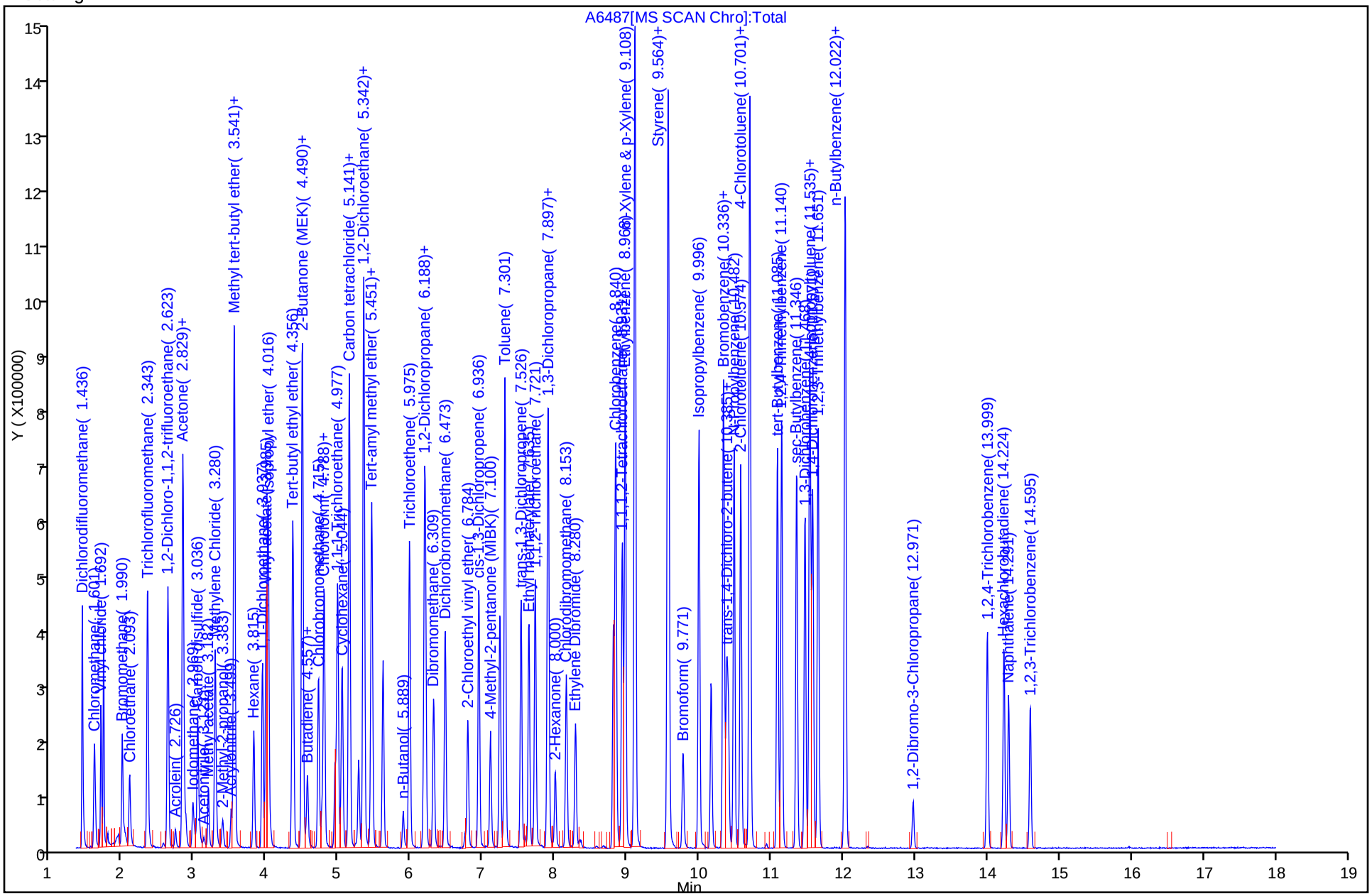
Injection Date: 09-Mar-2011 16:58:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 8

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 17:19:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

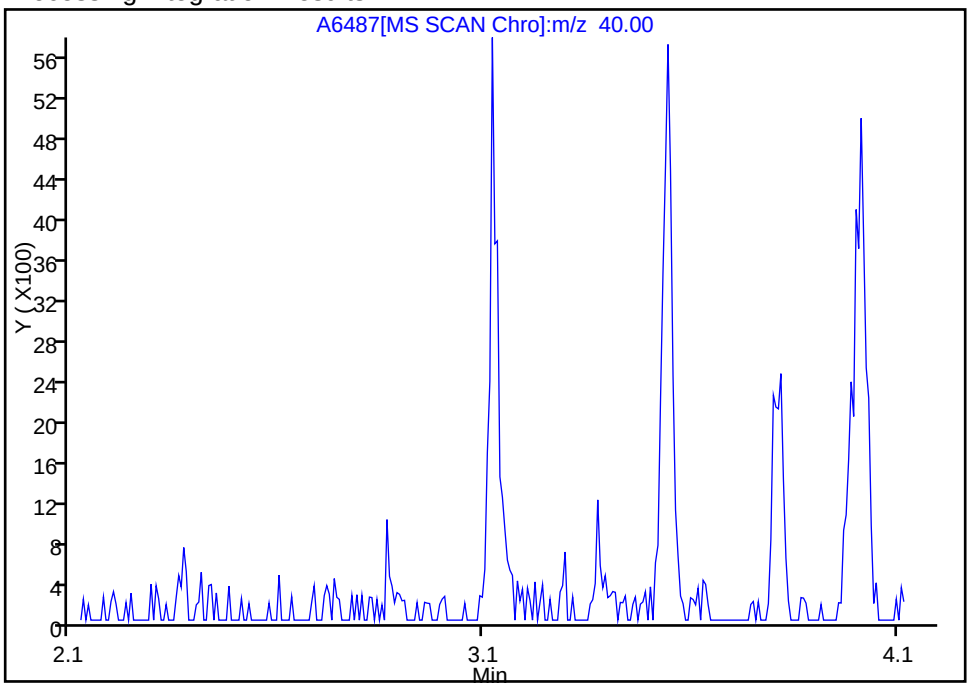
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D		
Injection Date:	09-Mar-2011 16:58:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	8
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.12

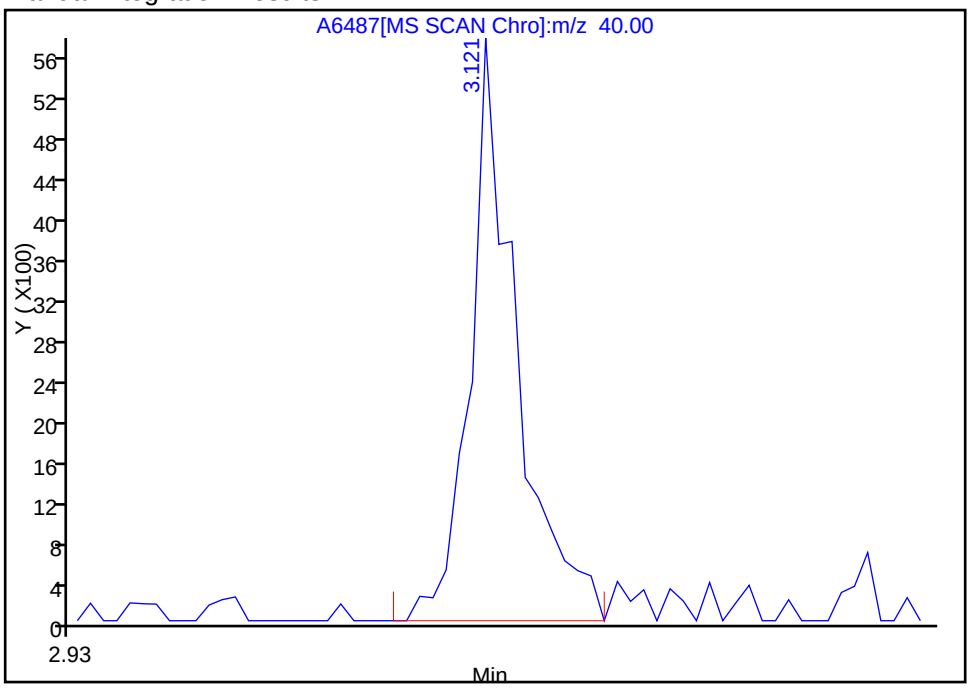
Processing Integration Results

Not Detected
Expected RT: 3.12



Manual Integration Results

RT: 3.12
Response: 8497
Amount: 100.0000



Reviewer: hallj, 09-Mar-2011 17:19:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:19:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

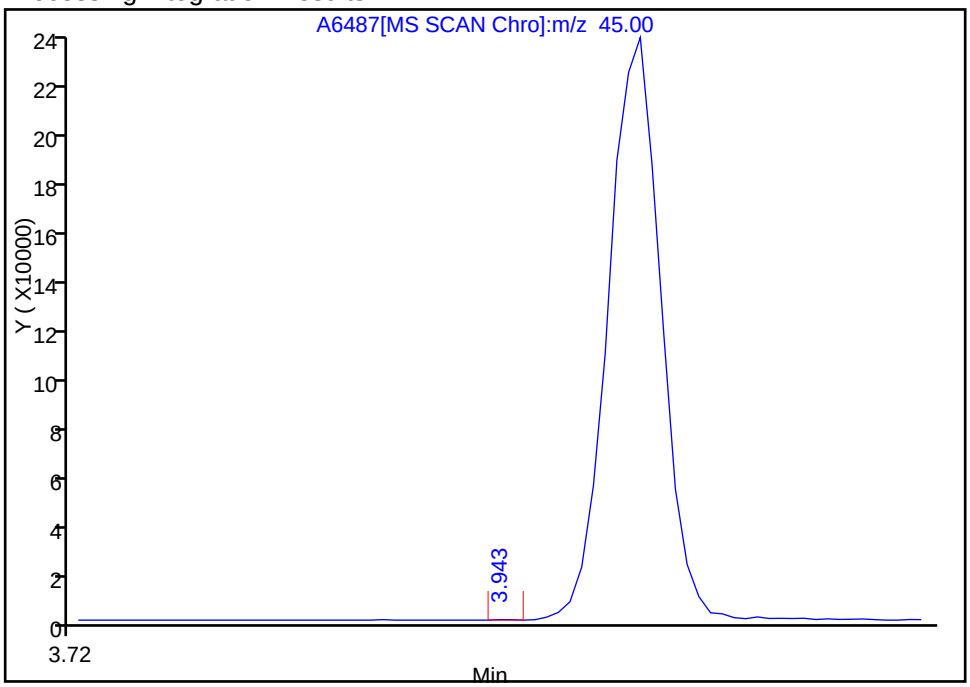
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D
Injection Date: 09-Mar-2011 16:58:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 8
Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.02

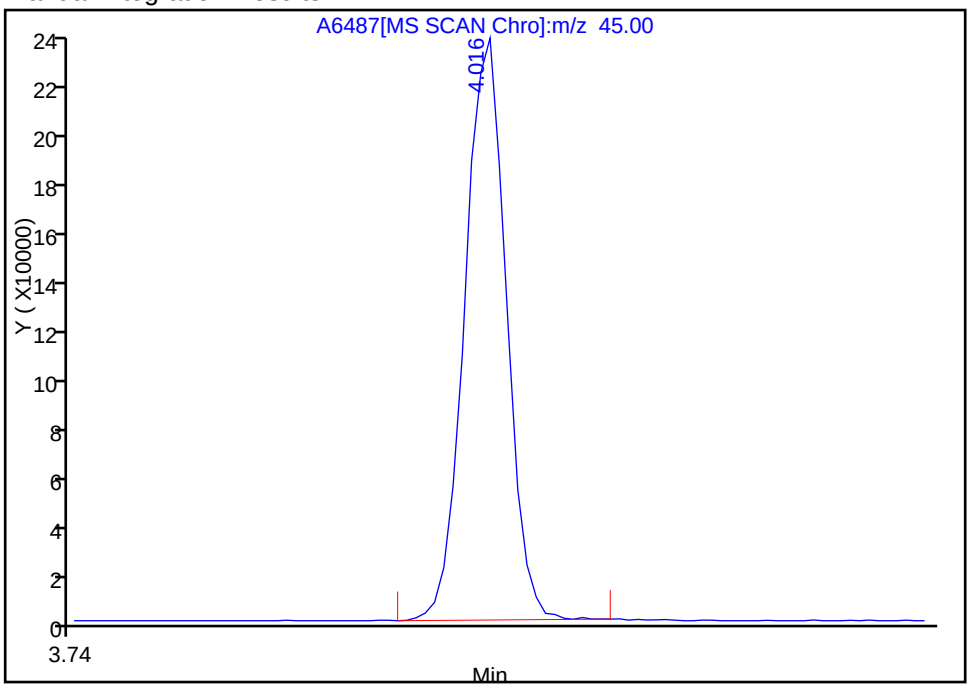
Processing Integration Results

RT: 3.94
Response: 138
Amount: 0.041576



Manual Integration Results

RT: 4.02
Response: 438240
Amount: 104.4562



Reviewer: hallj, 09-Mar-2011 17:19:37
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:19:37 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6487.D

Injection Date: 09-Mar-2011 16:58:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 8

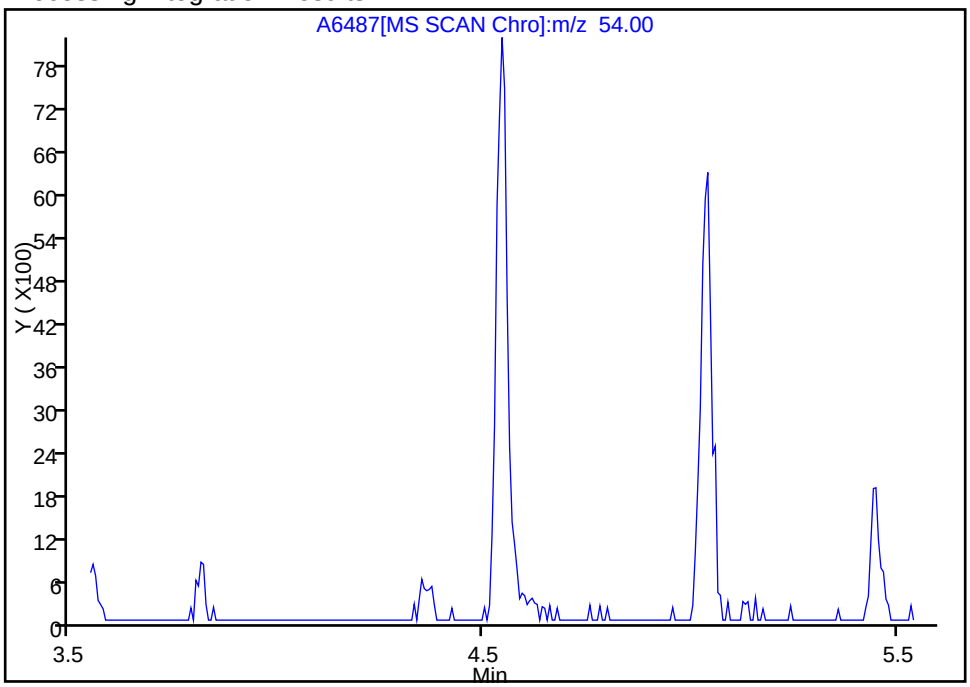
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.55

Processing Integration Results

Not Detected

Expected RT: 4.55

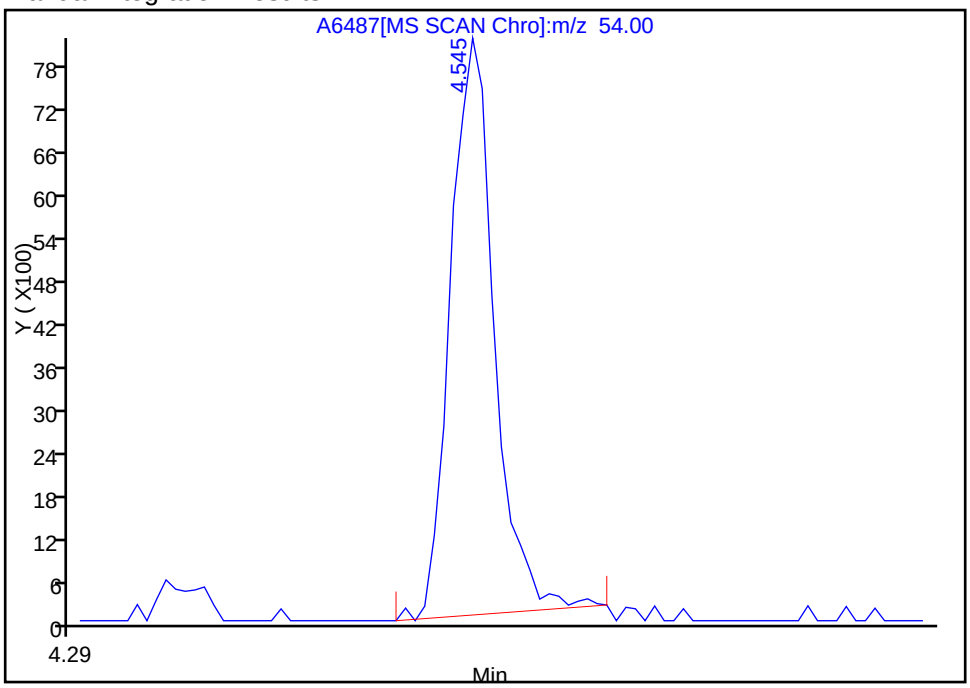


Manual Integration Results

RT: 4.55

Response: 15513

Amount: 93.136174



Reviewer: hallj, 09-Mar-2011 17:19:37

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D		
Lims ID:	STD150	Client ID:	
Inject. Date:	09-Mar-2011 17:30:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD150		
Misc. Info.:	510-0004502-009 =510-0004502-009		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	77114	Lims Sample ID:	9
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 17:51:44	Calib Date:	09-Mar-2011 17:30:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 17:51:44

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.608	5.611	-0.003	97	257019	50.0	
* 2 Chlorobenzene-d5	82	8.802	8.805	-0.003	89	127645	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.548	-0.002	78	94243	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.268	5.270	-0.002	0	115998	49.6	
$ 7 Toluene-d8 (Surr)	98	7.233	7.229	0.004	95	269939	51.0	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.161	0.004	78	112197	49.3	
12 Dichlorodifluoromethane	85	1.435	1.438	-0.003	99	422126	153.6	
13 Chloromethane	50	1.605	1.602	0.003	87	263517	155.3	
14 Vinyl chloride	62	1.691	1.693	-0.002	99	245837	158.0	
15 Bromomethane	94	1.983	1.997	-0.014	93	153850	144.0	
16 Chloroethane	64	2.086	2.095	-0.009	97	132611	164.4	
17 Trichlorofluoromethane	101	2.342	2.344	-0.002	94	476399	151.3	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.621	2.624	-0.003	87	262347	151.1	
19 Acrolein	56	2.725	2.727	-0.002	96	30930	149.0	
20 1,1-Dichloroethene	61	2.828	2.831	-0.003	94	334816	141.7	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.840	2.837	0.003	93	142503	148.8	
22 Acetone	43	2.871	2.873	-0.002	100	92946	167.3	
23 Iodomethane	142	2.968	2.971	-0.003	93	142112	267.5	
24 Carbon disulfide	76	3.035	3.038	-0.003	99	463569	152.6	
104 Acetonitrile	40	3.126	3.126	0.0	0	10456	120.0	M
25 Methyl acetate	43	3.181	3.190	-0.009	98	146107	146.4	
26 Methylene Chloride	84	3.278	3.281	-0.003	93	198671	132.8	
27 2-Methyl-2-propanol	59	3.382	3.384	-0.002	95	61367	565.6	
28 Acrylonitrile	53	3.497	3.506	-0.009	98	69597	160.0	
29 trans-1,2-Dichloroethene	61	3.540	3.543	-0.003	74	322319	143.0	
30 Methyl tert-butyl ether	73	3.546	3.549	-0.003	98	579109	146.1	
31 Hexane	57	3.814	3.810	0.004	90	115351	155.2	
32 1,1-Dichloroethane	63	3.935	3.938	-0.003	96	370058	145.6	
33 Vinyl acetate	43	3.984	3.987	-0.003	99	1039546	302.1	
34 Isopropyl ether	45	4.015	4.015	0.0	1	631669	146.3	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.355	4.358	-0.003	96	637110	149.5	
36 cis-1,2-Dichloroethene	61	4.483	4.485	-0.002	95	374408	145.6	
37 2,2-Dichloropropane	77	4.489	4.492	-0.003	72	330529	143.2	
38 2-Butanone (MEK)	43	4.495	4.495	0.0	51	82800	129.0	M
39 Propionitrile	54	4.538	4.546	-0.008	97	23043	147.8	
103 Butadiene	54	4.538	4.538	0.0	0	20887	126.1	M
101 Ethyl acetate	43	4.562	4.558	0.004	0	184618	151.3	
40 Chlorobromomethane	130	4.714	4.717	-0.003	94	130678	133.2	
41 Tetrahydrofuran	42	4.763	4.765	-0.002	78	46829	148.7	
42 Chloroform	83	4.787	4.790	-0.003	78	452143	137.8	
43 1,1,1-Trichloroethane	97	4.976	4.978	-0.002	99	433639	152.4	
44 Cyclohexane	56	5.043	5.039	0.004	93	198395	158.2	
45 Carbon tetrachloride	117	5.146	5.142	0.004	98	342246	155.9	
46 1,1-Dichloropropene	75	5.140	5.142	-0.002	87	279006	150.2	
47 Benzene	78	5.341	5.343	-0.002	96	726446	139.7	
48 1,2-Dichloroethane	62	5.347	5.343	0.004	77	444152	139.2	
49 Tert-amyl methyl ether	73	5.450	5.453	-0.003	93	581583	151.6	
50 Isobutyl alcohol	41	5.450	5.453	-0.003	41	88307	144.0	
102 n-Butanol	56	5.888	5.885	0.003	0	37817	1659.8	
51 Trichloroethene	132	5.973	5.976	-0.003	89	220836	149.9	
52 Methylcyclohexane	83	6.180	6.183	-0.003	86	195233	166.8	
53 1,2-Dichloropropane	63	6.199	6.195	0.003	73	185735	143.5	
54 Dibromomethane	93	6.308	6.311	-0.002	94	141419	148.7	
55 Dichlorobromomethane	83	6.472	6.475	-0.003	99	349065	152.7	
56 2-Chloroethyl vinyl ether	63	6.783	6.785	-0.003	95	123851	312.3	
60 cis-1,3-Dichloropropene	75	6.941	6.937	0.004	91	335323	149.9	
58 4-Methyl-2-pentanone (MIBK)	43	7.099	7.101	-0.002	97	183851	151.4	
59 Toluene	91	7.300	7.302	-0.002	95	810309	144.5	
57 trans-1,3-Dichloropropene	75	7.525	7.521	0.004	96	328605	150.1	
61 Ethyl methacrylate	69	7.634	7.637	-0.003	81	267484	159.1	
62 1,1,2-Trichloroethane	83	7.719	7.722	-0.003	97	154864	144.0	
63 Tetrachloroethene	166	7.896	7.892	0.004	86	177494	148.4	
64 1,3-Dichloropropane	76	7.908	7.904	0.004	94	325227	150.3	
65 2-Hexanone	43	7.999	8.002	-0.003	95	134598	168.0	
66 Chlorodibromomethane	129	8.151	8.154	-0.003	88	247274	149.6	
67 Ethylene Dibromide	107	8.279	8.282	-0.003	99	219763	155.4	
68 Chlorobenzene	112	8.839	8.835	0.004	97	540926	147.0	
69 1,1,1,2-Tetrachloroethane	131	8.930	8.926	0.004	89	226679	154.9	
70 Ethylbenzene	91	8.973	8.969	0.004	99	840303	146.1	
71 m-Xylene & p-Xylene	91	9.106	9.109	-0.003	0	1296236	282.2	
72 o-Xylene	91	9.563	9.559	0.004	94	734375	151.8	
73 Styrene	104	9.569	9.577	-0.008	83	563779	155.3	
74 Bromoform	173	9.769	9.772	-0.003	96	130512	151.5	
75 Isopropylbenzene	105	9.995	9.997	-0.002	98	722418	147.4	
76 1,1,2,2-Tetrachloroethane	83	10.329	10.332	-0.003	70	207937	138.3	
77 Bromobenzene	77	10.335	10.338	-0.003	95	380865	145.7	
78 1,2,3-Trichloropropane	75	10.378	10.380	-0.002	59	264290	147.6	
79 trans-1,4-Dichloro-2-butene	53	10.402	10.405	-0.003	57	80278	148.9	
80 N-Propylbenzene	91	10.481	10.484	-0.003	98	814688	149.2	
81 2-Chlorotoluene	91	10.573	10.575	-0.003	96	570847	140.6	
82 1,3,5-Trimethylbenzene	105	10.694	10.697	-0.003	92	643001	149.2	
83 4-Chlorotoluene	91	10.700	10.703	-0.003	91	674027	142.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.084	11.080	0.004	90	524956	150.4	
85 1,2,4-Trimethylbenzene	105	11.138	11.141	-0.003	59	670295	150.9	
86 sec-Butylbenzene	105	11.351	11.354	-0.003	96	704463	157.7	
87 1,3-Dichlorobenzene	146	11.467	11.469	-0.002	95	360850	144.7	
88 4-Isopropyltoluene	119	11.528	11.530	-0.002	95	620580	155.1	
89 1,4-Dichlorobenzene	146	11.570	11.573	-0.003	91	373196	152.5	
99 1,2,3-Trimethylbenzene	105	11.649	11.646	0.003	0	696128	146.6	
91 1,2-Dichlorobenzene	146	12.020	12.023	-0.003	78	347300	138.6	
90 n-Butylbenzene	91	12.026	12.023	0.003	98	547110	158.2	
92 1,2-Dibromo-3-Chloropropane	157	12.963	12.966	-0.003	59	32868	150.1	
93 1,2,4-Trichlorobenzene	180	13.998	14.000	-0.002	93	176996	147.9	
94 Hexachlorobutadiene	225	14.229	14.225	0.004	95	106242	157.9	
95 Naphthalene	128	14.296	14.292	0.004	99	337844	167.3	
96 1,2,3-Trichlorobenzene	180	14.594	14.596	-0.002	95	116006	150.0	
S 98 Xylenes, Total	100				0		434.0	
S 97 Total 1,2-dichloroethene	100				0		288.6	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 17:51:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D

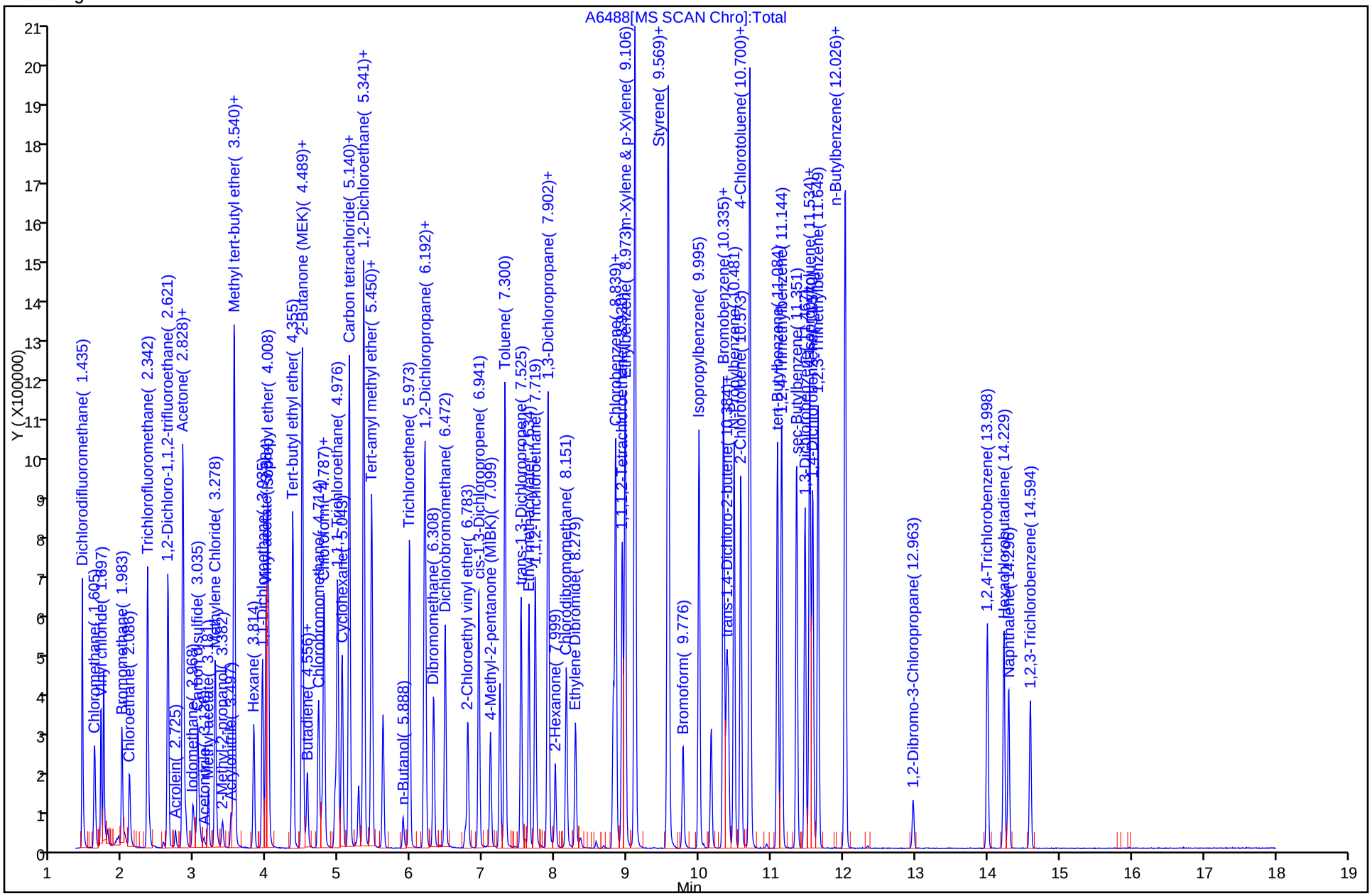
Injection Date: 09-Mar-2011 17:30:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 9

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 17:51:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

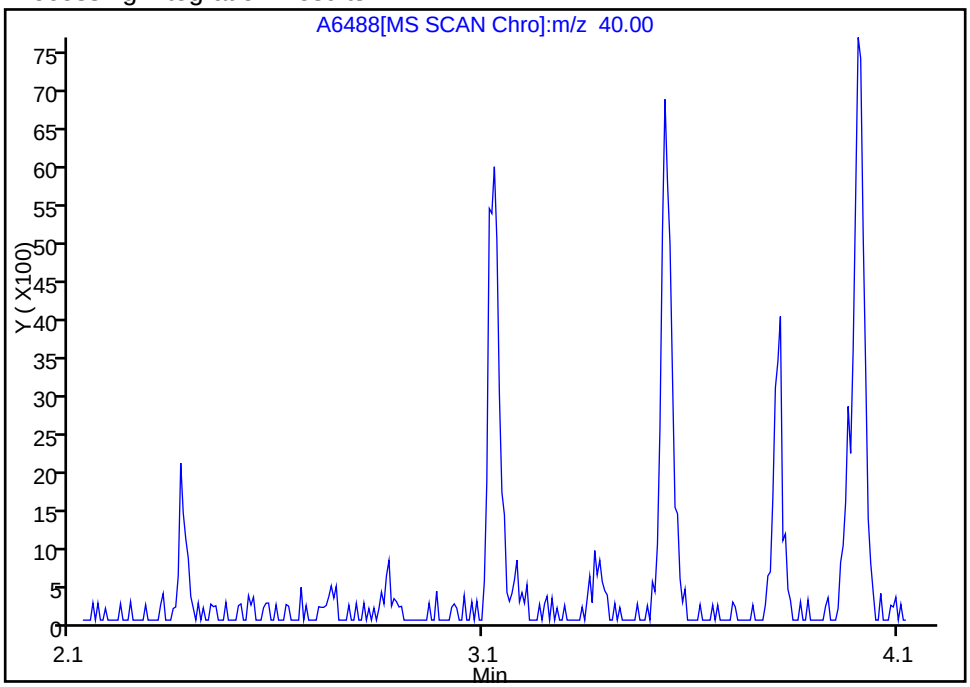
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D		
Injection Date:	09-Mar-2011 17:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	9
Operator ID:	JLH		

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

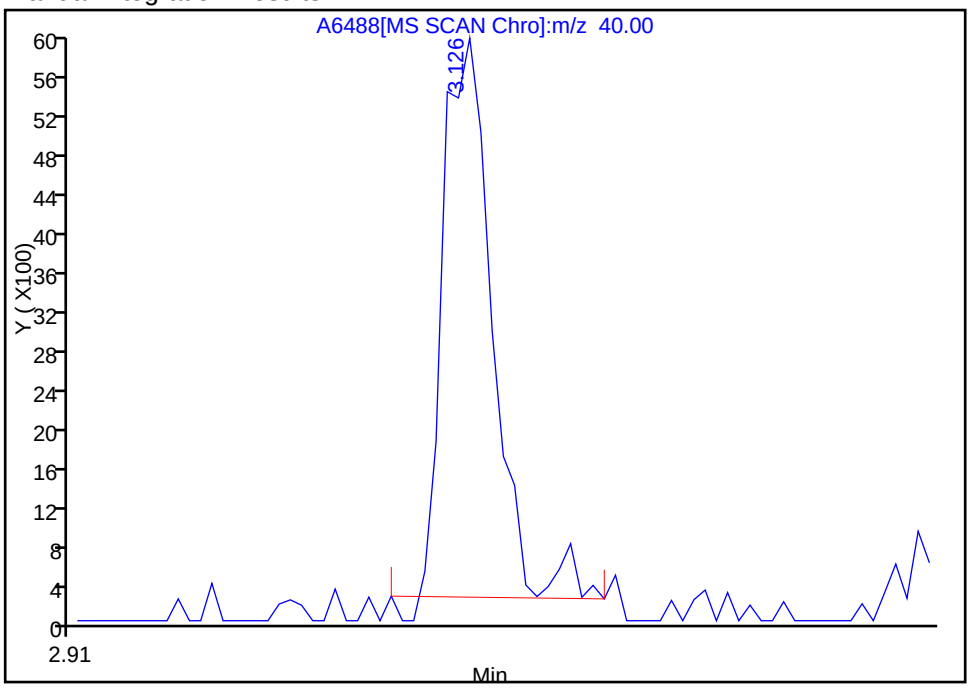
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Response: 10456
Amount: 119.9686



Reviewer: hallj, 09-Mar-2011 17:51:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:51:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

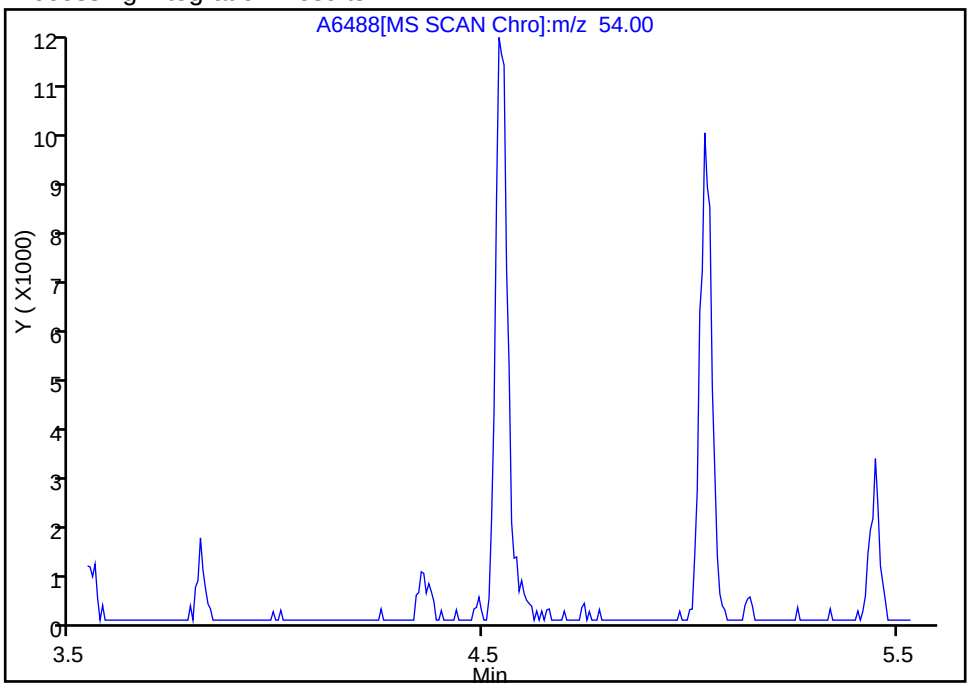
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D		
Injection Date:	09-Mar-2011 17:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	9
Operator ID:	JLH		

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

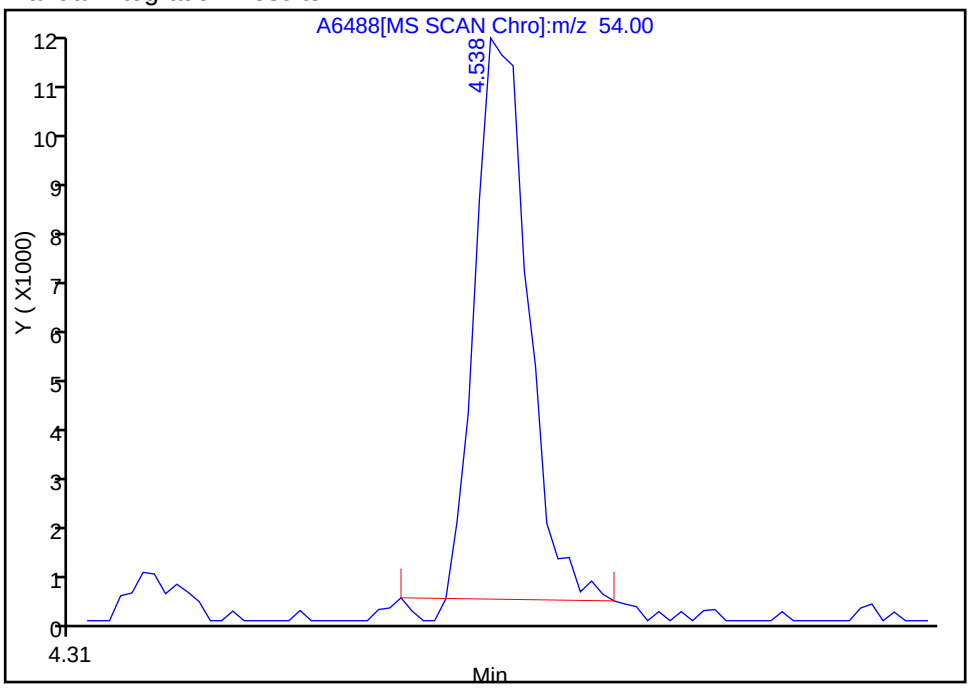
Processing Integration Results

Not Detected
Expected RT: 4.54



Manual Integration Results

RT: 4.54
Response: 20887
Amount: 126.1007



Reviewer: hallj, 09-Mar-2011 17:51:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:51:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

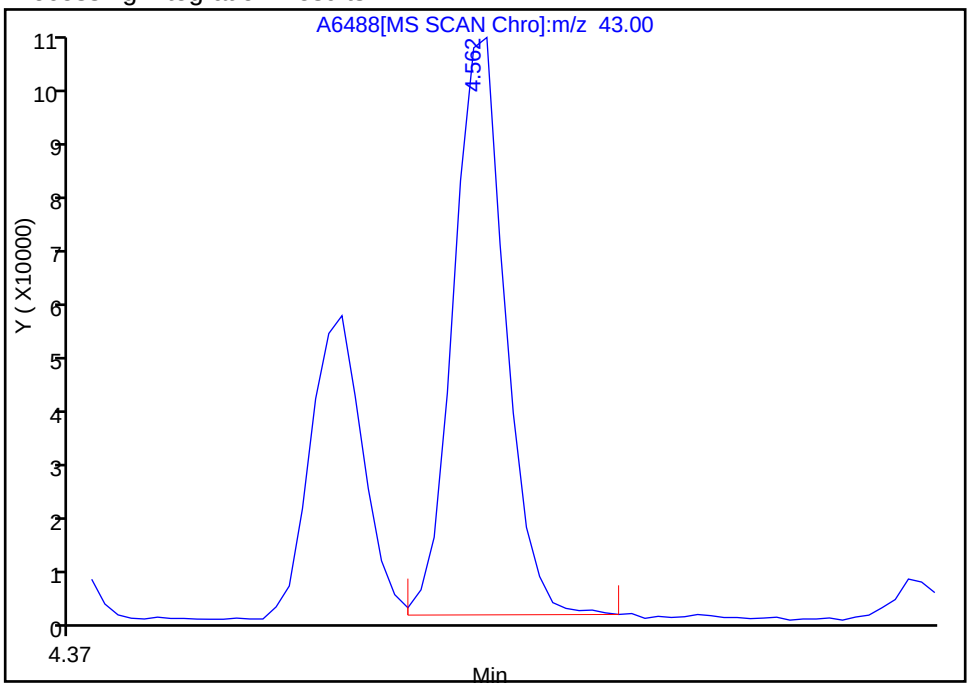
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D		
Injection Date:	09-Mar-2011 17:30:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	9
Operator ID:	JLH		

38 2-Butanone (MEK), Signal: 1, m/z: 43.0 Type: quant, RT: 4.50

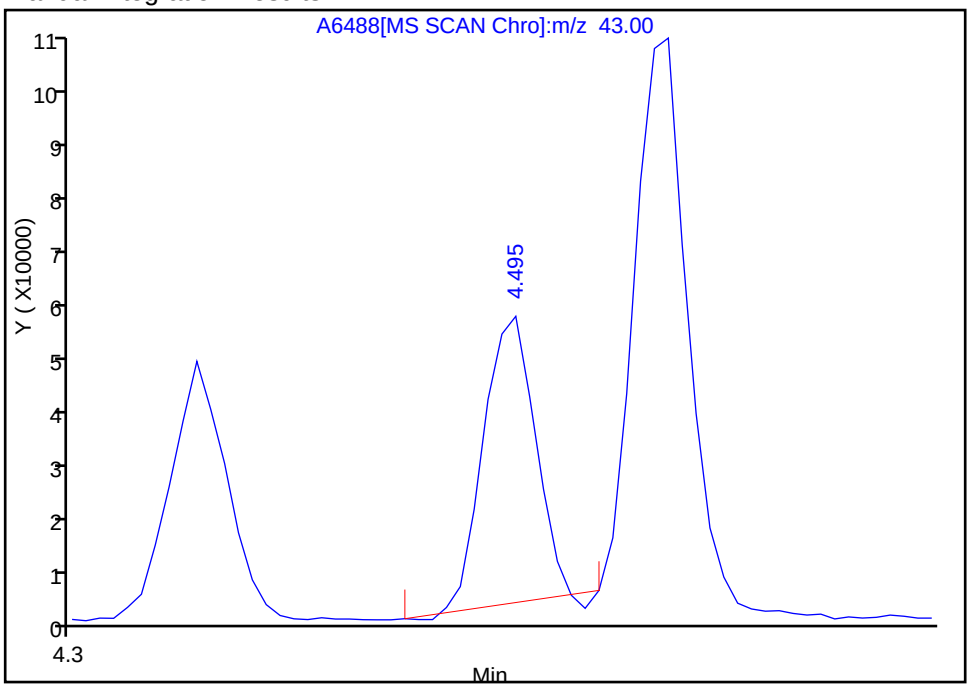
Processing Integration Results

RT: 4.56
Response: 179583
Amount: 239.6405



Manual Integration Results

RT: 4.50
Response: 82800
Amount: 129.0025



Reviewer: hallj, 09-Mar-2011 17:51:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 17:51:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6488.D

Injection Date: 09-Mar-2011 17:30:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

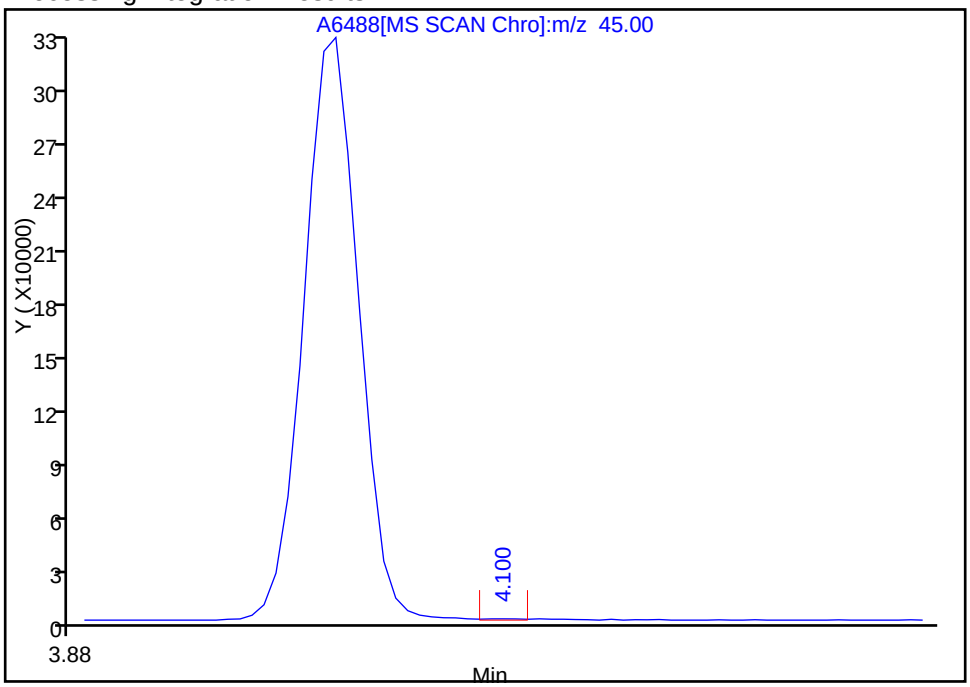
Lims Batch ID: 77114 Lims Sample ID: 9

Operator ID: JLH

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

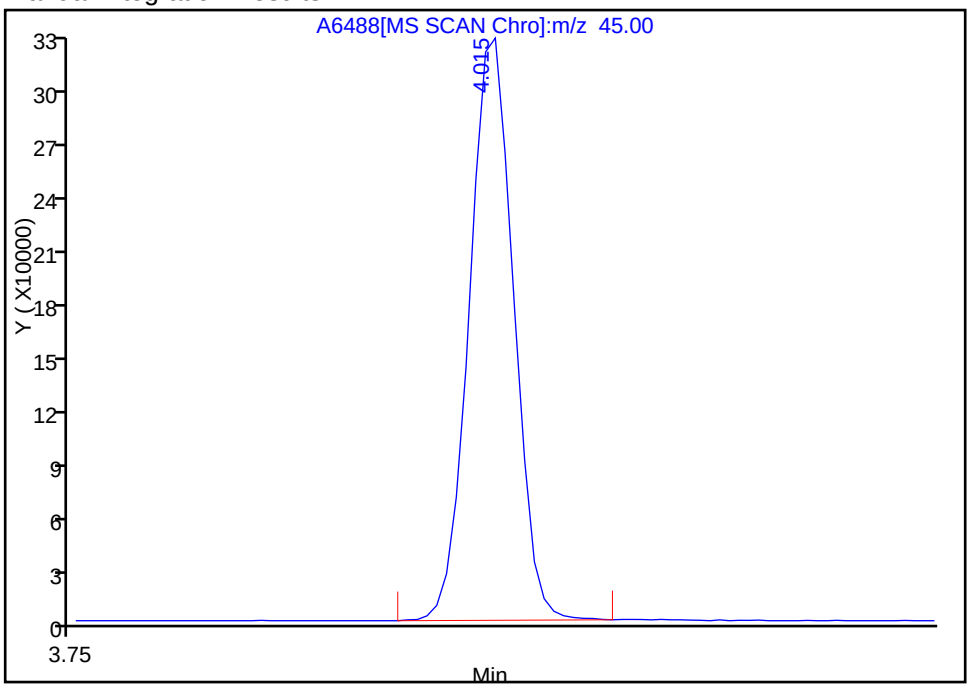
Processing Integration Results

RT: 4.10
Response: 1138
Amount: 0.314666



Manual Integration Results

RT: 4.01
Response: 631669
Amount: 146.3170



Reviewer: hallj, 09-Mar-2011 17:51:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	09-Mar-2011 18:02:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	9
Sample ID:	STD200		
Misc. Info.:	510-0004502-010 =510-0004502-010		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	77114	Lims Sample ID:	10
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 19:04:07	Calib Date:	09-Mar-2011 18:02:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 19:04:07

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.607	5.611	-0.004	98	265561	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.805	0.002	88	132580	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.548	-0.003	57	91872	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.267	5.270	-0.003	0	119042	49.4	
$ 7 Toluene-d8 (Surr)	98	7.232	7.229	0.003	94	275370	50.3	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.161	0.003	82	114018	51.2	
12 Dichlorodifluoromethane	85	1.434	1.438	-0.004	87	566707	199.7	
13 Chloromethane	50	1.604	1.602	0.002	98	371628	210.2	
14 Vinyl chloride	62	1.696	1.693	0.003	81	342063	209.8	
15 Bromomethane	94	1.975	1.997	-0.022	92	218175	198.6	
16 Chloroethane	64	2.085	2.095	-0.010	95	179871	212.7	
17 Trichlorofluoromethane	101	2.341	2.344	-0.004	76	636797	196.3	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.620	2.624	-0.004	87	361069	201.1	
19 Acrolein	56	2.724	2.727	-0.003	94	42099	196.8	
20 1,1-Dichloroethene	61	2.827	2.831	-0.004	96	456269	188.6	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.839	2.837	0.002	95	187696	191.1	
22 Acetone	43	2.870	2.873	-0.003	100	131759	223.2	
23 Iodomethane	142	2.967	2.971	-0.004	98	213597	204.8	
24 Carbon disulfide	76	3.034	3.038	-0.004	99	641886	203.9	
104 Acetonitrile	40	3.125	3.125	0.0	0	16560	186.9	M
25 Methyl acetate	43	3.186	3.190	-0.004	98	216393	203.6	
26 Methylene Chloride	84	3.277	3.281	-0.004	92	269301	177.5	
27 2-Methyl-2-propanol	59	3.381	3.384	-0.003	96	88073	785.6	
28 Acrylonitrile	53	3.496	3.506	-0.010	97	100023	219.0	
29 trans-1,2-Dichloroethene	61	3.539	3.543	-0.004	76	435380	188.7	
30 Methyl tert-butyl ether	73	3.545	3.549	-0.004	98	795831	197.7	
31 Hexane	57	3.813	3.810	0.003	89	157040	203.8	
32 1,1-Dichloroethane	63	3.934	3.938	-0.004	82	505777	189.3	
33 Vinyl acetate	43	3.983	3.987	-0.004	99	1351439	382.9	
34 Isopropyl ether	45	4.013	4.013	0.0	0	844737	190.8	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.354	4.358	-0.004	95	864312	196.8	
36 cis-1,2-Dichloroethene	61	4.482	4.485	-0.003	96	502137	190.5	
37 2,2-Dichloropropane	77	4.488	4.492	-0.004	74	460572	197.1	
38 2-Butanone (MEK)	43	4.494	4.494	0.0	51	116417	190.2	M
103 Butadiene	54	4.543	4.543	0.0	0	31915	188.6	M
39 Propionitrile	54	4.543	4.546	-0.003	96	32109	191.6	
101 Ethyl acetate	43	4.561	4.558	0.003	0	253047	200.6	
40 Chlorobromomethane	130	4.713	4.717	-0.004	96	184686	184.5	
41 Tetrahydrofuran	42	4.762	4.765	-0.003	79	64548	204.7	
42 Chloroform	83	4.792	4.790	0.002	79	613902	183.6	
43 1,1,1-Trichloroethane	97	4.981	4.978	0.003	98	587793	199.9	
44 Cyclohexane	56	5.042	5.039	0.003	94	275824	210.9	
45 Carbon tetrachloride	117	5.145	5.142	0.003	99	471738	206.7	
46 1,1-Dichloropropene	75	5.139	5.142	-0.003	87	374946	196.0	
47 Benzene	78	5.340	5.343	-0.003	95	971927	183.1	
48 1,2-Dichloroethane	62	5.346	5.343	0.003	79	608622	186.6	
49 Tert-amyl methyl ether	73	5.449	5.453	-0.004	92	794626	200.4	
50 Isobutyl alcohol	41	5.449	5.453	-0.004	42	123629	195.8	
102 n-Butanol	56	5.887	5.885	0.002	0	67853	2741.6	
51 Trichloroethene	132	5.978	5.976	0.002	90	311479	203.9	
52 Methylcyclohexane	83	6.179	6.183	-0.004	86	268711	218.8	
53 1,2-Dichloropropane	63	6.197	6.195	0.002	74	252094	190.1	
54 Dibromomethane	93	6.307	6.311	-0.003	93	191455	195.6	
55 Dichlorobromomethane	83	6.471	6.475	-0.004	98	486979	205.3	
56 2-Chloroethyl vinyl ether	63	6.788	6.785	0.003	95	175340	421.6	
60 cis-1,3-Dichloropropene	75	6.940	6.937	0.003	90	454236	196.9	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.101	-0.003	97	259598	205.9	
59 Toluene	91	7.305	7.302	0.003	95	1084936	188.9	
57 trans-1,3-Dichloropropene	75	7.524	7.521	0.003	97	469452	205.6	
61 Ethyl methacrylate	69	7.633	7.637	-0.004	85	372144	212.0	
62 1,1,2-Trichloroethane	83	7.718	7.722	-0.004	91	218815	197.3	
63 Tetrachloroethene	166	7.895	7.892	0.003	89	241082	197.8	
64 1,3-Dichloropropane	76	7.907	7.904	0.003	94	448785	200.7	
65 2-Hexanone	43	7.998	8.002	-0.004	96	196402	231.1	
66 Chlorodibromomethane	129	8.156	8.154	0.002	88	346922	200.9	
67 Ethylene Dibromide	107	8.278	8.282	-0.004	98	305223	207.6	
68 Chlorobenzene	112	8.838	8.835	0.003	97	741288	194.8	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.926	0.003	91	311640	203.7	
70 Ethylbenzene	91	8.971	8.969	0.002	98	1131387	190.8	
71 m-Xylene & p-Xylene	91	9.105	9.109	-0.004	0	1722135	366.1	
72 o-Xylene	91	9.562	9.559	0.003	93	1001597	199.4	
73 Styrene	104	9.574	9.577	-0.003	87	768913	203.4	
74 Bromoform	173	9.774	9.772	0.002	97	189279	204.1	
75 Isopropylbenzene	105	9.994	9.997	-0.003	97	984470	205.2	
76 1,1,2,2-Tetrachloroethane	83	10.328	10.332	-0.004	70	287332	196.6	
77 Bromobenzene	77	10.334	10.338	-0.004	96	516287	202.2	
78 1,2,3-Trichloropropane	75	10.377	10.380	-0.003	47	376968	213.5	
79 trans-1,4-Dichloro-2-butene	53	10.401	10.405	-0.004	57	115560	207.4	
80 N-Propylbenzene	91	10.480	10.484	-0.004	97	1098446	205.4	
81 2-Chlorotoluene	91	10.571	10.575	-0.004	97	794243	200.6	
82 1,3,5-Trimethylbenzene	105	10.699	10.697	0.002	92	871429	206.3	
83 4-Chlorotoluene	91	10.705	10.703	0.002	92	904162	197.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.082	11.080	0.002	89	726584	211.5	
85 1,2,4-Trimethylbenzene	105	11.143	11.141	0.002	60	907525	208.1	
86 sec-Butylbenzene	105	11.350	11.354	-0.004	96	944894	214.4	
87 1,3-Dichlorobenzene	146	11.466	11.469	-0.003	95	494241	202.8	
88 4-Isopropyltoluene	119	11.533	11.530	0.003	96	850076	215.2	
89 1,4-Dichlorobenzene	146	11.575	11.573	0.002	91	500875	208.2	
99 1,2,3-Trimethylbenzene	105	11.648	11.646	0.002	0	948296	204.2	
91 1,2-Dichlorobenzene	146	12.019	12.023	-0.004	80	476441	195.8	
90 n-Butylbenzene	91	12.025	12.023	0.002	98	755854	220.4	
92 1,2-Dibromo-3-Chloropropane	157	12.974	12.966	0.008	57	50728	202.1	
93 1,2,4-Trichlorobenzene	180	13.996	14.000	-0.004	93	254570	206.8	
94 Hexachlorobutadiene	225	14.228	14.225	0.003	94	150440	206.8	
95 Naphthalene	128	14.288	14.292	-0.004	99	481139	236.9	
96 1,2,3-Trichlorobenzene	180	14.593	14.596	-0.003	95	169715	221.1	
S 98 Xylenes, Total	100				0		565.5	
S 97 Total 1,2-dichloroethene	100				0		379.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 19:04:07 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D

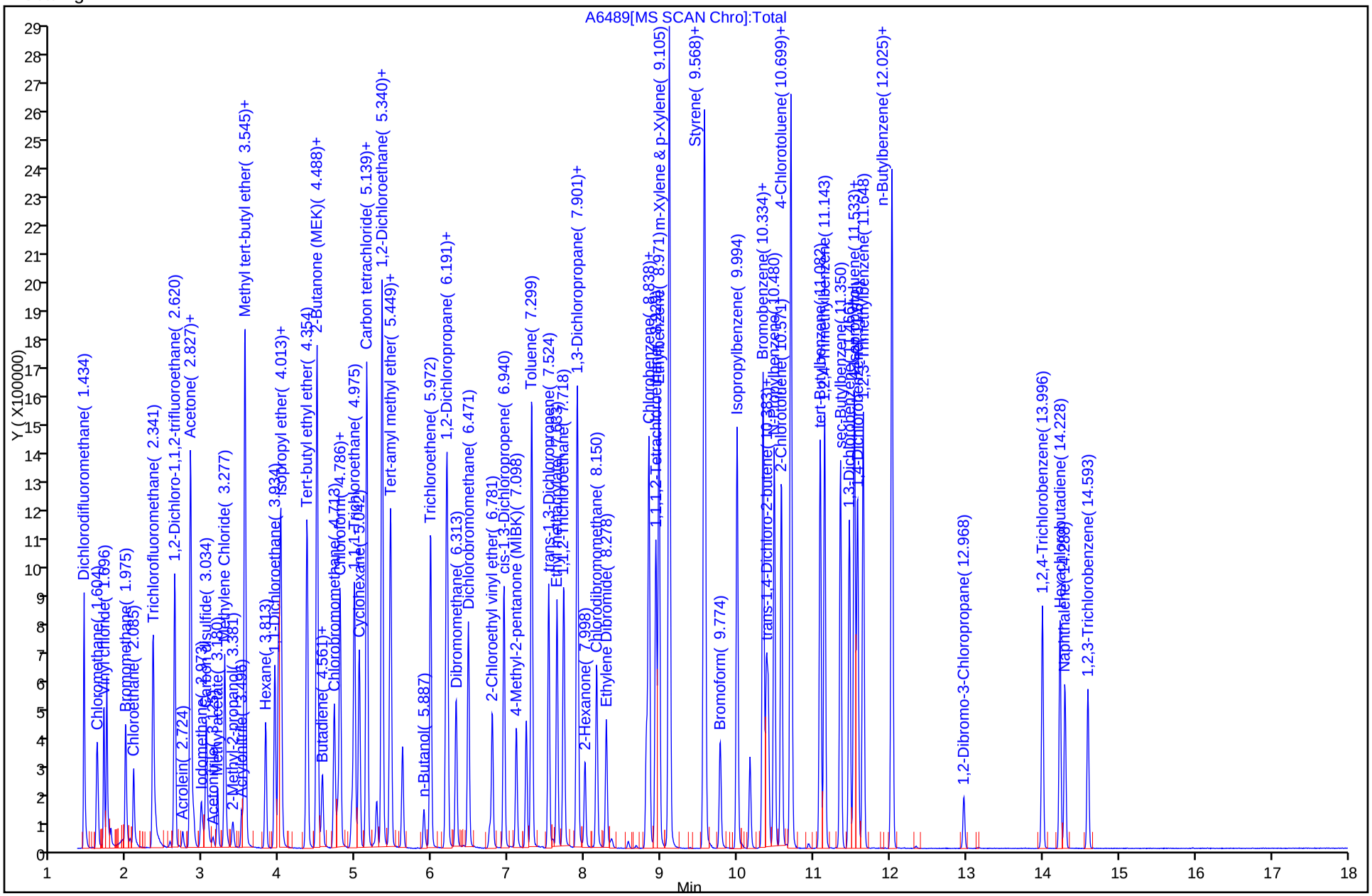
Injection Date: 09-Mar-2011 18:02:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 10

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 19:04:07 Chrom Revision: 1.2 17-Feb-2011 18:05:56

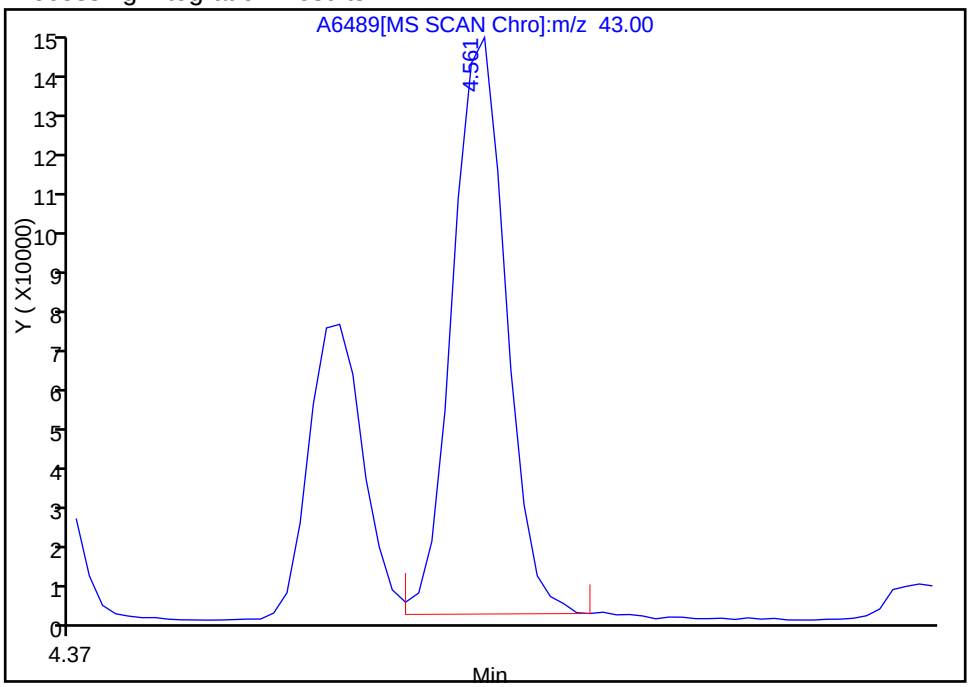
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D		
Injection Date:	09-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	10
Operator ID:	JLH		

38 2-Butanone (MEK), Signal: 1, m/z: 43.0 Type: quant, RT: 4.49

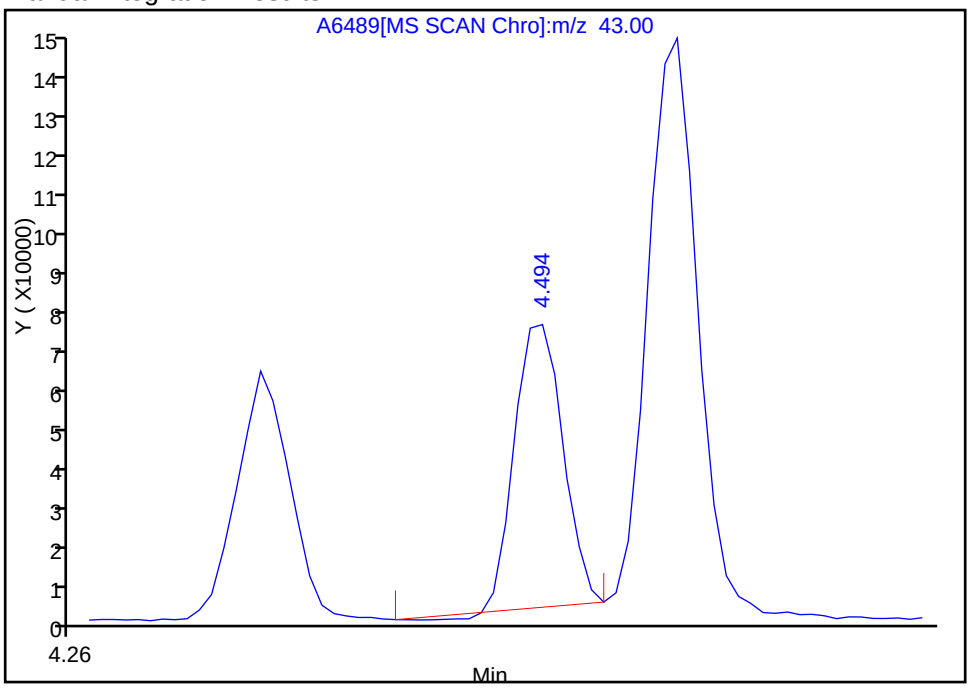
Processing Integration Results

RT: 4.56
Response: 246233
Amount: 330.8157



Manual Integration Results

RT: 4.49
Response: 116417
Amount: 190.1582



Reviewer: hallj, 09-Mar-2011 19:04:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 19:04:07 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D

Injection Date: 09-Mar-2011 18:02:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 10

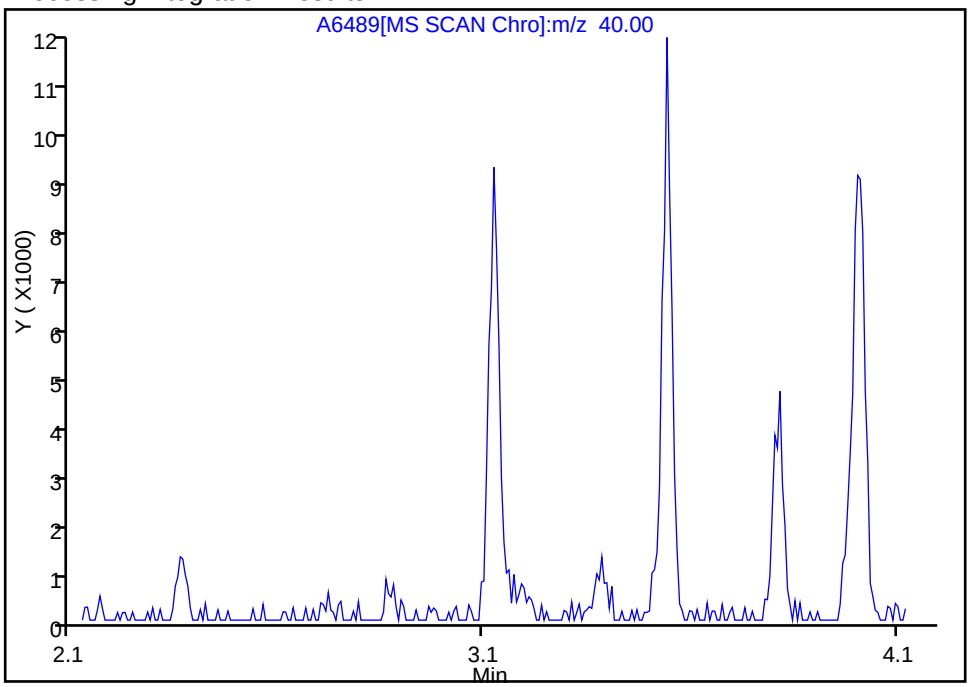
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

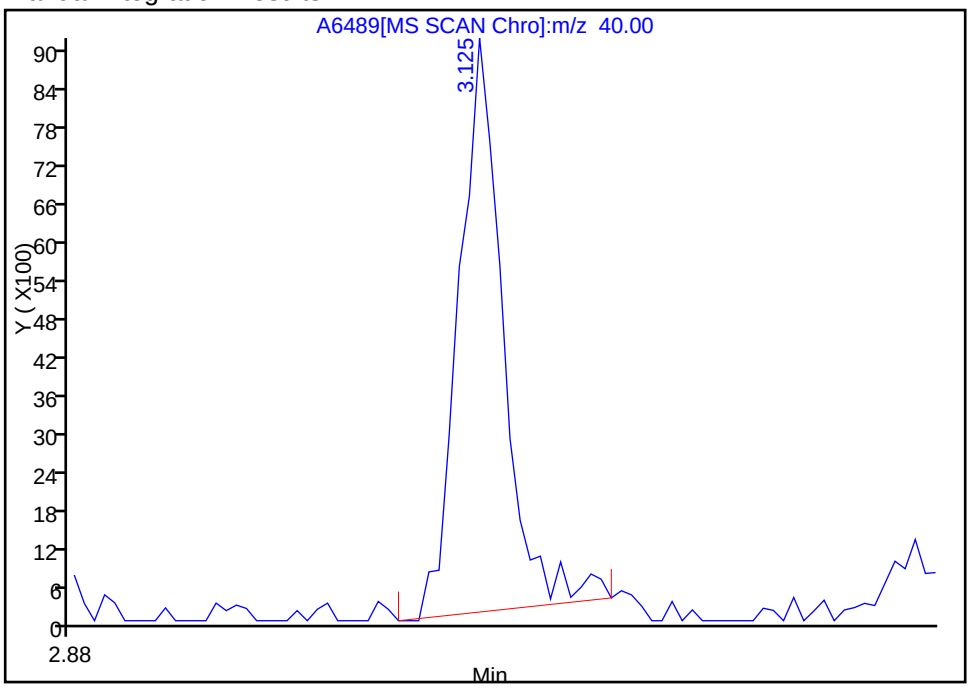


Manual Integration Results

RT: 3.13

Response: 16560

Amount: 186.9028



Reviewer: hallj, 09-Mar-2011 19:04:07

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 19:04:07 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D

Injection Date: 09-Mar-2011 18:02:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 10

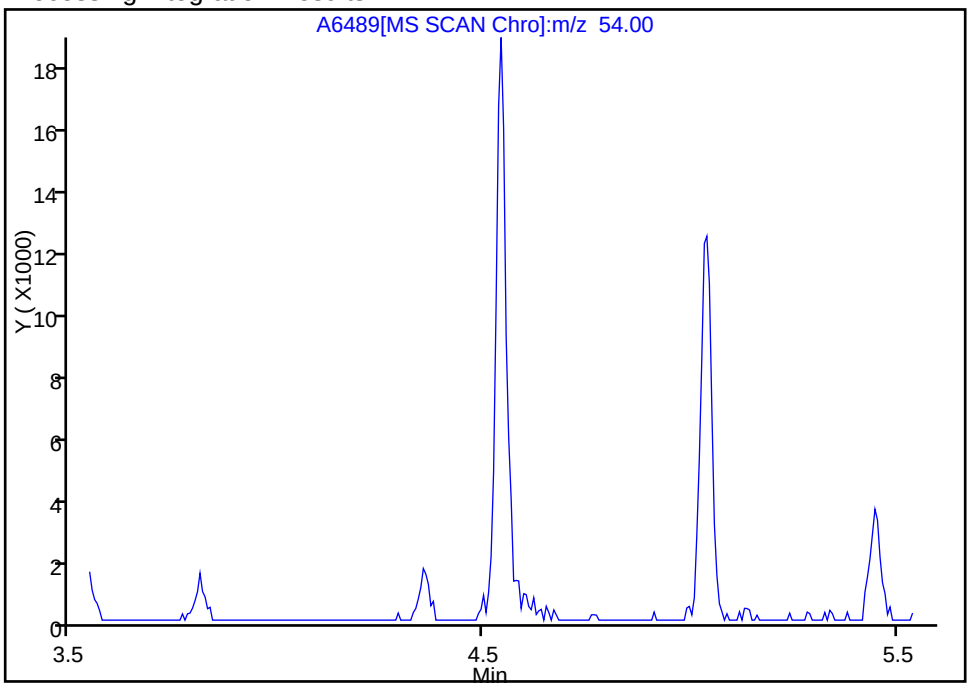
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Processing Integration Results

Not Detected

Expected RT: 4.54

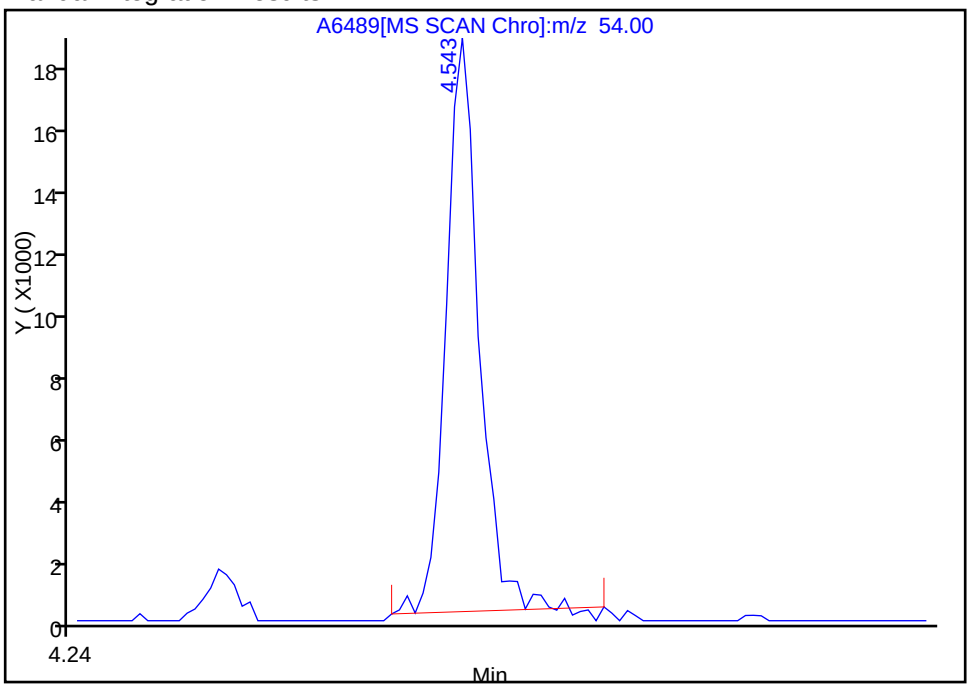


Manual Integration Results

RT: 4.54

Response: 31915

Amount: 188.6067



Reviewer: hallj, 09-Mar-2011 19:04:07

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 19:04:07 Chrom Revision: 1.2 17-Feb-2011 18:05:56

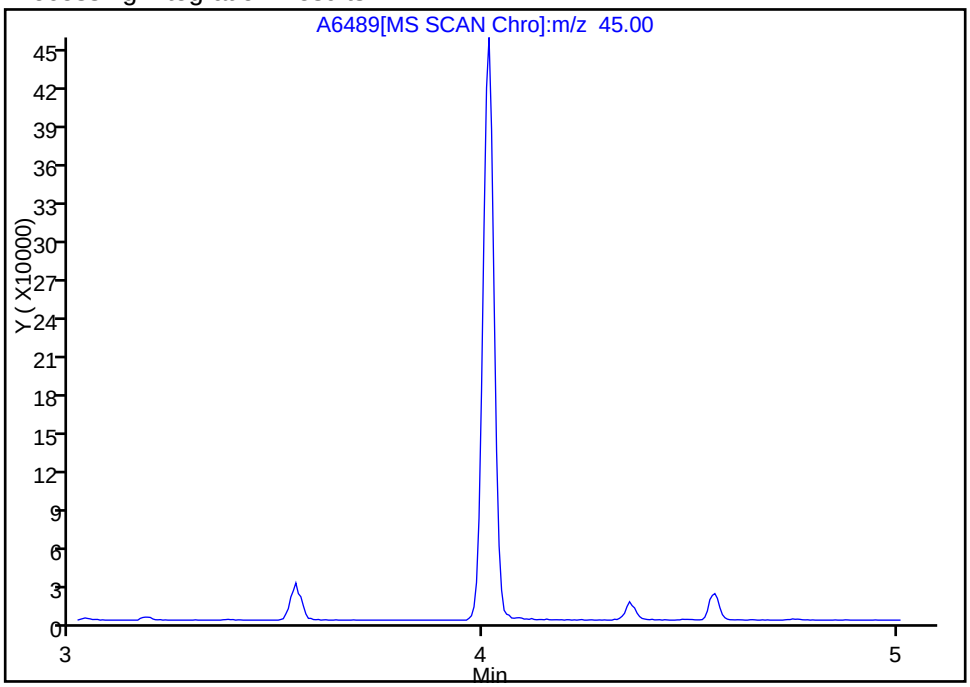
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6489.D		
Injection Date:	09-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	10
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

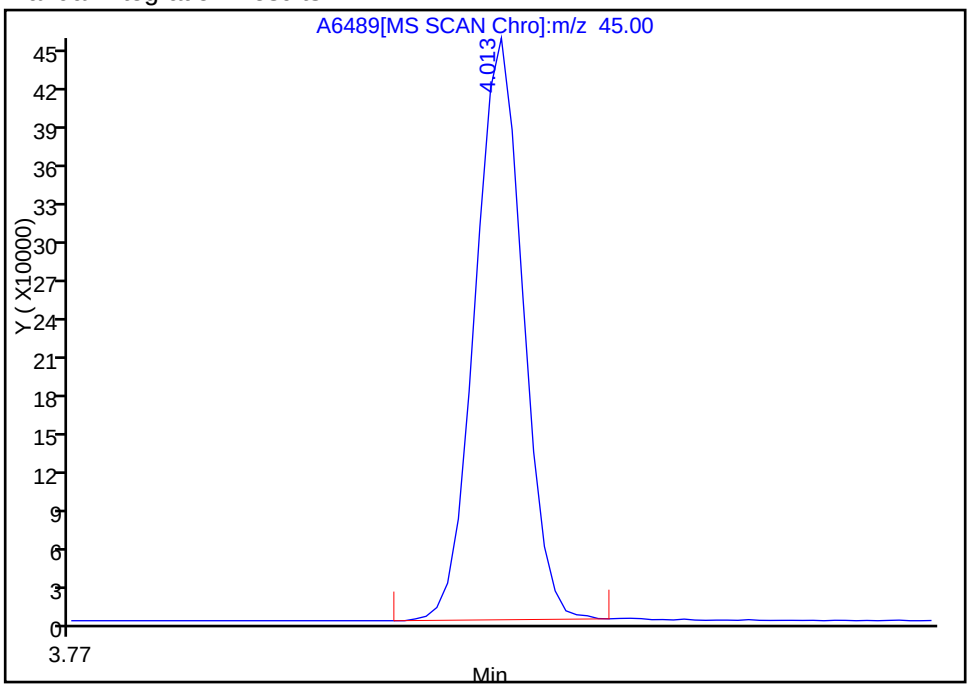
Processing Integration Results

Not Detected
Expected RT: 4.01



Manual Integration Results

RT: 4.01
Response: 844737
Amount: 190.8251



Reviewer: hallj, 09-Mar-2011 19:04:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D		
Lims ID:	STD010	Client ID:	
Inject. Date:	09-Mar-2011 19:38:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD010		
Misc. Info.:	510-0004502-013 =510-0004502-013		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	20
Lims Batch ID:	77114	Lims Sample ID:	13
Sublist:	chrom-VMSB-8260*sub27		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 20:01:58	Calib Date:	09-Mar-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 20:01:58

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.607	5.611	-0.004	98	261600	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.805	0.002	89	128364	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.548	-0.003	98	90710	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.273	5.270	0.003	0	123513	51.8	
$ 7 Toluene-d8 (Surr)	98	7.232	7.229	0.003	95	265090	49.3	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.161	0.003	79	108106	49.2	
12 Dichlorodifluoromethane	85	1.434	1.438	-0.004	97	24841	9.01	
13 Chloromethane	50	1.598	1.602	-0.004	99	17833	10.2	
14 Vinyl chloride	62	1.696	1.693	0.003	80	15415	10.3	
15 Bromomethane	94	2.000	1.997	0.003	91	8199	9.43	
16 Chloroethane	64	2.097	2.095	0.002	96	8089	8.98	
17 Trichlorofluoromethane	101	2.341	2.344	-0.003	94	31371	9.84	
18 1,2-Dichloro-1,1,2-trifluoroethane	67	2.626	2.624	0.002	68	18198	10.3	
19 Acrolein	56	2.724	2.727	-0.003	57	1737	9.55	
20 1,1-Dichloroethene	61	2.833	2.831	0.002	94	23073	9.72	
21 1,1,2-Trichloro-1,2,2-trifluoroethane	151	2.839	2.837	0.002	73	8726	9.13	
22 Acetone	43	2.870	2.873	-0.003	83	7374	13.7	
23 Iodomethane	142	2.991	2.991	0.0	69	4705	14.3	M
24 Carbon disulfide	76	3.034	3.038	-0.004	98	32178	10.3	
104 Acetonitrile	40	3.125	3.125	0.0	0	589	7.14	M
25 Methyl acetate	43	3.186	3.190	-0.004	95	10898	11.7	
26 Methylene Chloride	84	3.277	3.281	-0.004	96	16405	10.8	
27 2-Methyl-2-propanol	59	3.387	3.384	0.003	85	4171	43.7	
28 Acrylonitrile	53	3.503	3.506	-0.004	81	4549	10.1	
29 trans-1,2-Dichloroethene	61	3.545	3.543	0.002	75	25084	10.9	
30 Methyl tert-butyl ether	73	3.551	3.549	0.002	96	44724	10.0	
31 Hexane	57	3.819	3.810	0.009	87	8398	10.9	
32 1,1-Dichloroethane	63	3.934	3.938	-0.004	96	26660	10.8	
33 Vinyl acetate	43	3.989	3.987	0.002	99	77240	21.9	
34 Isopropyl ether	45	4.014	4.014	0.0	0	46886	10.7	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
35 Tert-butyl ethyl ether	59	4.360	4.358	0.002	97	43728	10.1	
36 cis-1,2-Dichloroethene	61	4.488	4.485	0.003	97	26545	10.2	
37 2,2-Dichloropropane	77	4.488	4.488	0.0	0	25680	9.82	M
38 2-Butanone (MEK)	43	4.494	4.494	0.0	37	6880	11.2	
103 Butadiene	54	4.537	4.537	0.0	0	1841	10.9	M
39 Propionitrile	54	4.537	4.537	0.0	0	1897	11.2	M
101 Ethyl acetate	43	4.561	4.558	0.003	0	14389	11.4	
40 Chlorobromomethane	130	4.713	4.717	-0.004	93	10227	10.3	
41 Tetrahydrofuran	42	4.762	4.765	-0.003	66	3699	10.4	
42 Chloroform	83	4.792	4.790	0.002	93	34666	10.5	
43 1,1,1-Trichloroethane	97	4.981	4.978	0.003	97	27824	9.65	
44 Cyclohexane	56	5.042	5.039	0.003	94	14399	11.0	
45 Carbon tetrachloride	117	5.139	5.142	-0.003	82	22034	9.83	
46 1,1-Dichloropropene	75	5.139	5.142	-0.003	88	18524	9.85	
47 Benzene	78	5.340	5.343	-0.003	96	57794	10.9	
48 1,2-Dichloroethane	62	5.346	5.343	0.003	75	34640	10.7	
49 Tert-amyl methyl ether	73	5.455	5.453	0.002	95	39639	10.1	
50 Isobutyl alcohol	41	5.455	5.453	0.002	39	6509	10.4	
102 n-Butanol	56	5.887	5.885	0.002	0	9619	482.9	
51 Trichloroethene	132	5.978	5.976	0.002	95	15740	10.4	
52 Methylcyclohexane	83	6.185	6.183	0.002	75	11270	9.39	
53 1,2-Dichloropropane	63	6.197	6.195	0.002	71	12465	9.60	
54 Dibromomethane	93	6.313	6.311	0.003	92	11100	11.3	
55 Dichlorobromomethane	83	6.477	6.475	0.002	94	22856	9.81	
56 2-Chloroethyl vinyl ether	63	6.781	6.785	-0.004	93	7544	19.8	
60 cis-1,3-Dichloropropene	75	6.940	6.937	0.003	91	19473	9.74	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.101	-0.003	97	11624	9.43	
59 Toluene	91	7.305	7.302	0.003	90	58502	10.3	
57 trans-1,3-Dichloropropene	75	7.524	7.521	0.003	96	19598	9.87	
61 Ethyl methacrylate	69	7.633	7.637	-0.004	82	14956	8.80	
62 1,1,2-Trichloroethane	83	7.718	7.722	-0.004	86	10421	9.60	
63 Tetrachloroethene	166	7.901	7.892	0.009	72	13306	10.9	
64 1,3-Dichloropropane	76	7.907	7.904	0.003	97	22792	10.3	
65 2-Hexanone	43	8.004	8.002	0.002	96	9225	10.9	
66 Chlorodibromomethane	129	8.150	8.154	-0.004	86	14616	9.87	
67 Ethylene Dibromide	107	8.284	8.282	0.002	94	13807	9.59	
68 Chlorobenzene	112	8.838	8.835	0.003	97	38002	10.3	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.926	0.003	83	14103	10.4	
70 Ethylbenzene	91	8.972	8.969	0.003	99	57078	9.95	
71 m-Xylene & p-Xylene	91	9.105	9.109	-0.004	0	100727	21.8	
72 o-Xylene	91	9.562	9.559	0.003	92	49319	10.1	
73 Styrene	104	9.574	9.577	-0.003	86	37947	10.3	
74 Bromoform	173	9.775	9.772	0.003	75	6631	11.5	
75 Isopropylbenzene	105	9.994	9.997	-0.003	98	48144	10.1	
76 1,1,2,2-Tetrachloroethane	83	10.334	10.332	0.002	70	15344	10.6	
77 Bromobenzene	77	10.334	10.338	-0.004	91	31033	12.0	
78 1,2,3-Trichloropropane	75	10.383	10.380	0.003	42	16848	9.70	
79 trans-1,4-Dichloro-2-butene	53	10.413	10.405	0.008	6	4478	12.2	
80 N-Propylbenzene	91	10.480	10.484	-0.004	98	56992	10.7	
81 2-Chlorotoluene	91	10.571	10.575	-0.004	96	40266	10.3	
82 1,3,5-Trimethylbenzene	105	10.699	10.697	0.002	90	40581	9.76	
83 4-Chlorotoluene	91	10.705	10.703	0.002	91	48322	10.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
84 tert-Butylbenzene	119	11.083	11.080	0.002	93	33886	10.0	
85 1,2,4-Trimethylbenzene	105	11.143	11.141	0.002	64	42848	9.96	
86 sec-Butylbenzene	105	11.350	11.354	-0.004	95	49020	11.1	
87 1,3-Dichlorobenzene	146	11.466	11.469	-0.003	83	24549	10.2	
88 4-Isopropyltoluene	119	11.533	11.530	0.003	63	40726	10.4	
89 1,4-Dichlorobenzene	146	11.575	11.573	0.002	82	25548	9.80	
99 1,2,3-Trimethylbenzene	105	11.648	11.646	0.002	0	46615	10.1	
91 1,2-Dichlorobenzene	146	12.019	12.023	-0.004	79	24223	10.1	
90 n-Butylbenzene	91	12.025	12.023	0.002	98	40462	11.7	
92 1,2-Dibromo-3-Chloropropane	157	12.968	12.966	0.002	53	2163	10.3	
93 1,2,4-Trichlorobenzene	180	14.003	14.000	0.003	93	13431	13.9	
94 Hexachlorobutadiene	225	14.228	14.225	0.003	91	14266	19.9	
95 Naphthalene	128	14.288	14.292	-0.004	97	18766	9.43	
96 1,2,3-Trichlorobenzene	180	14.599	14.596	0.003	93	11111	14.8	
S 98 Xylenes, Total	100				0		32.0	
S 97 Total 1,2-dichloroethene	100				0		21.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

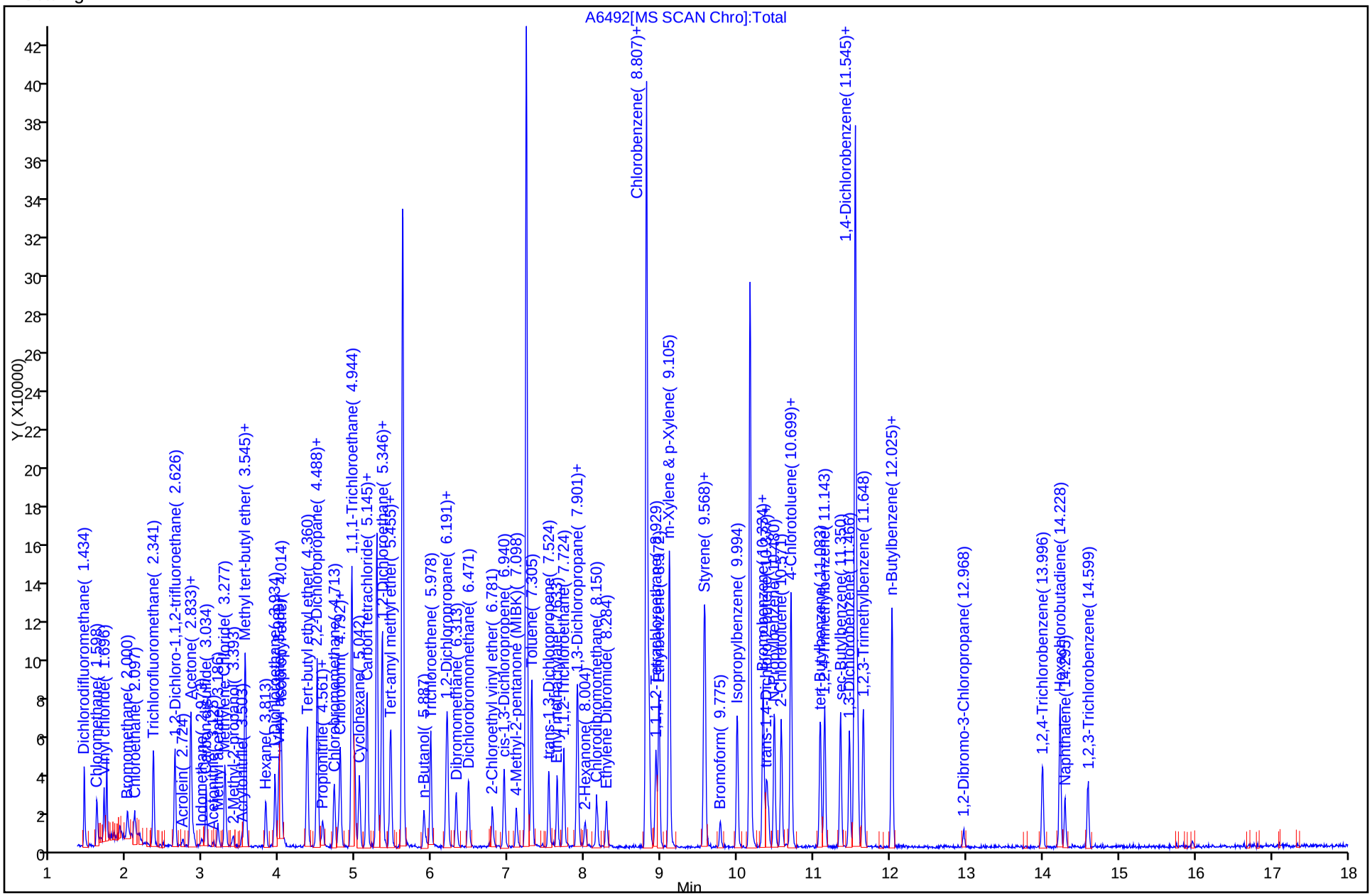
Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 13

Operator ID: JLH

Y Scaling:



Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

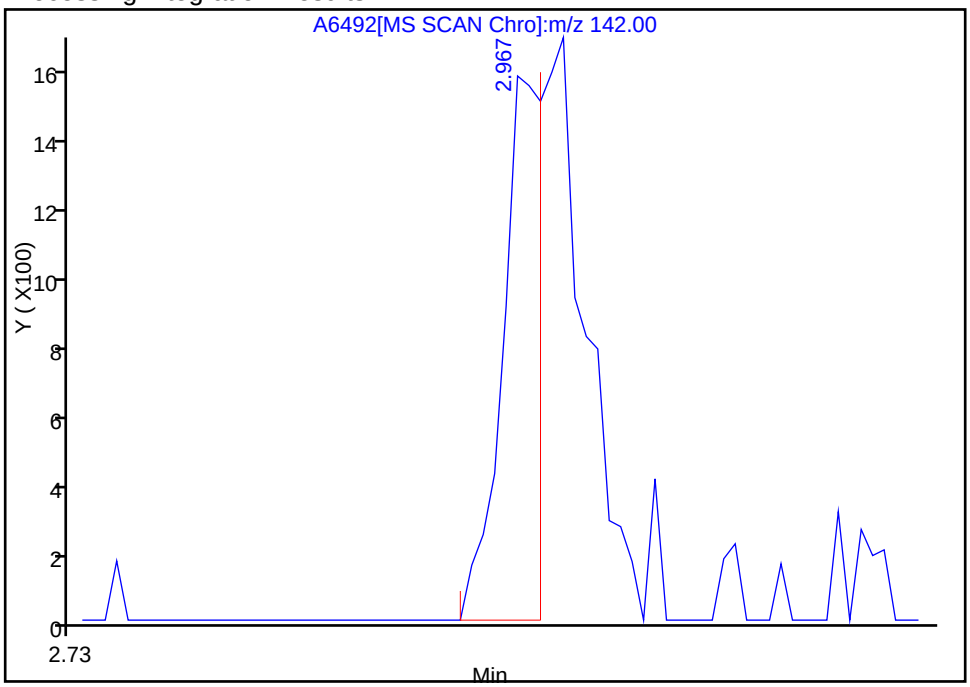
Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D
Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 Lims Sample ID: 13
Operator ID: JLH

23 Iodomethane, Signal: 1, m/z: 142.0 Type: quant, RT: 2.99

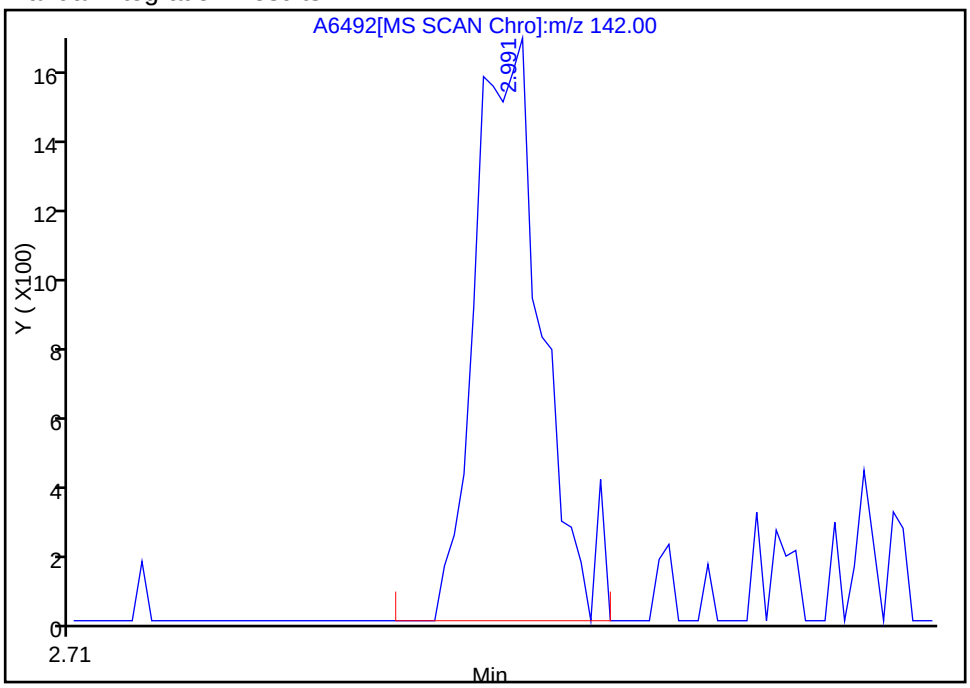
Processing Integration Results

RT: 2.97
Response: 2249
Amount: 12.669752



Manual Integration Results

RT: 2.99
Response: 4705
Amount: 14.345902



Reviewer: hallj, 09-Mar-2011 20:01:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

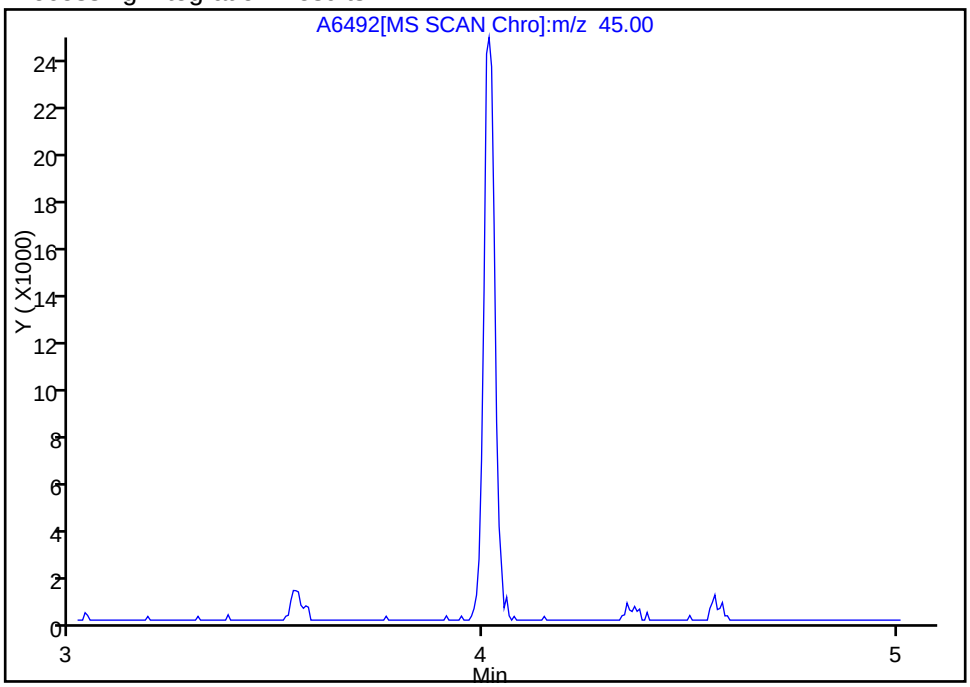
Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

Injection Date:	09-Mar-2011 19:38:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	13
Operator ID:	JLH		

34 Isopropyl ether, Signal: 1, m/z: 45.0 Type: quant, RT: 4.01

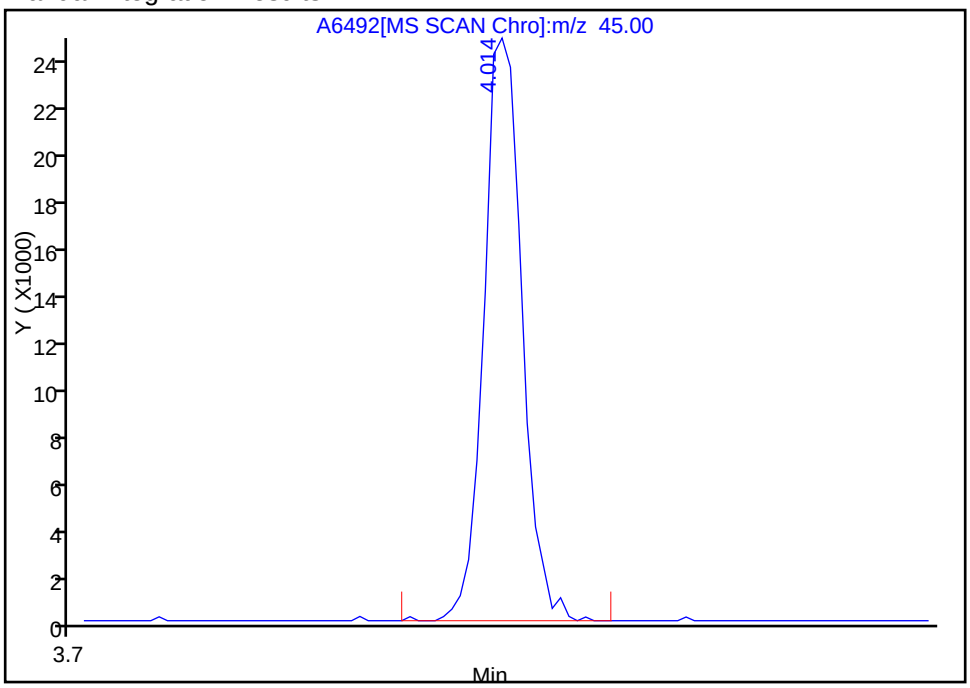
Processing Integration Results

Not Detected
Expected RT: 4.01



Manual Integration Results

RT: 4.01
Response: 46886
Amount: 10.651756



Reviewer: hallj, 09-Mar-2011 20:01:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 13

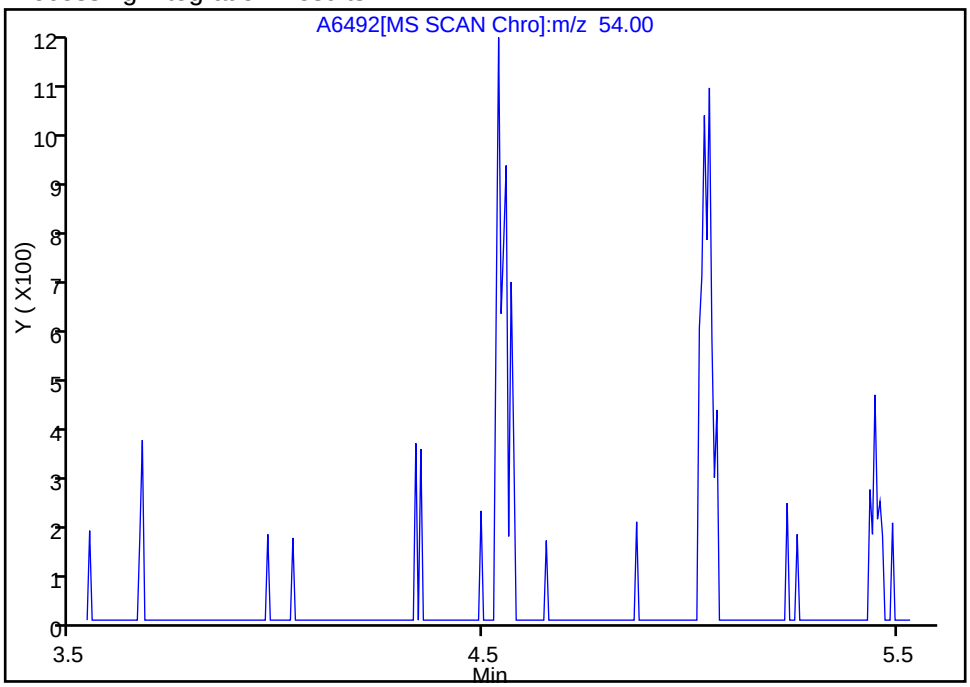
Operator ID: JLH

103 Butadiene, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Processing Integration Results

Not Detected

Expected RT: 4.54

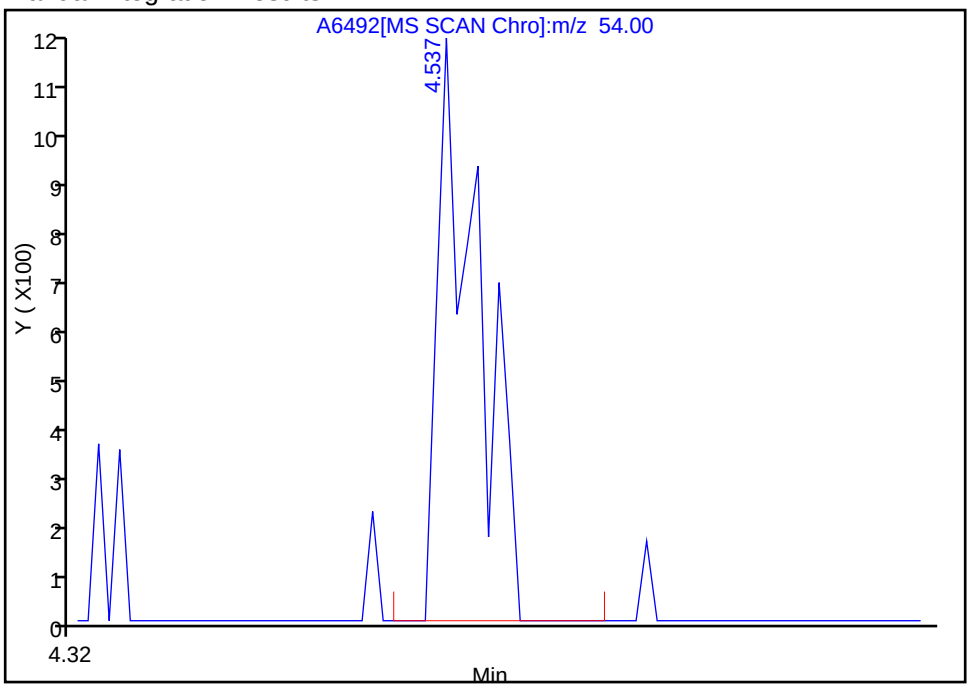


Manual Integration Results

RT: 4.54

Response: 1841

Amount: 10.882052



Reviewer: hallj, 09-Mar-2011 20:01:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 13

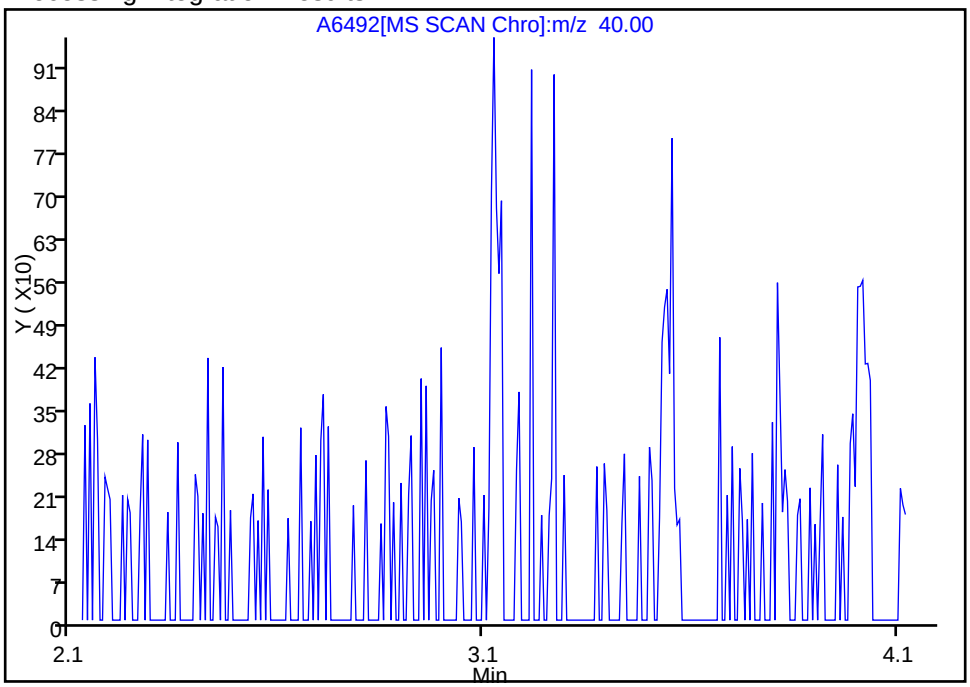
Operator ID: JLH

104 Acetonitrile, Signal: 1, m/z: 40.0 Type: quant, RT: 3.13

Not Detected

Expected RT: 3.13

Processing Integration Results

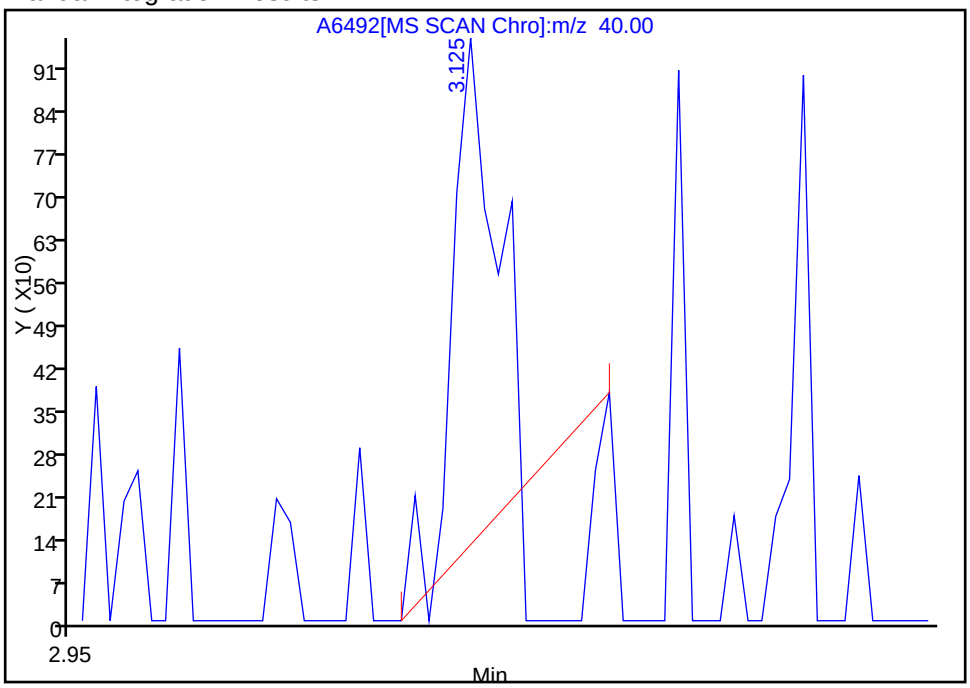


Manual Integration Results

RT: 3.13

Response: 589

Amount: 7.135024



Reviewer: hallj, 09-Mar-2011 20:01:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 13

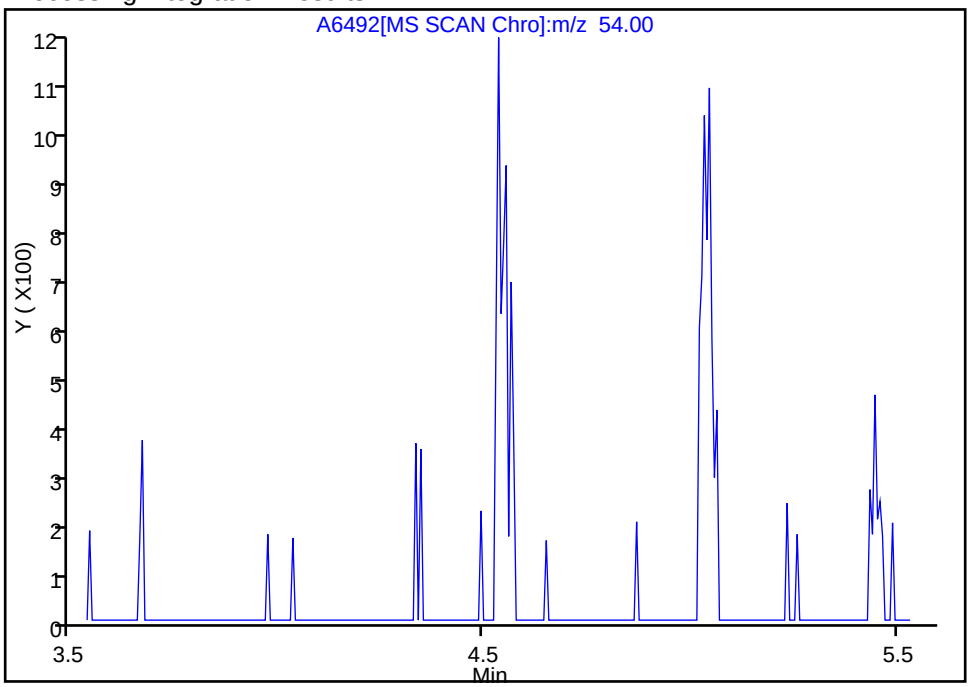
Operator ID: JLH

39 Propionitrile, Signal: 1, m/z: 54.0 Type: quant, RT: 4.54

Not Detected

Expected RT: 4.54

Processing Integration Results

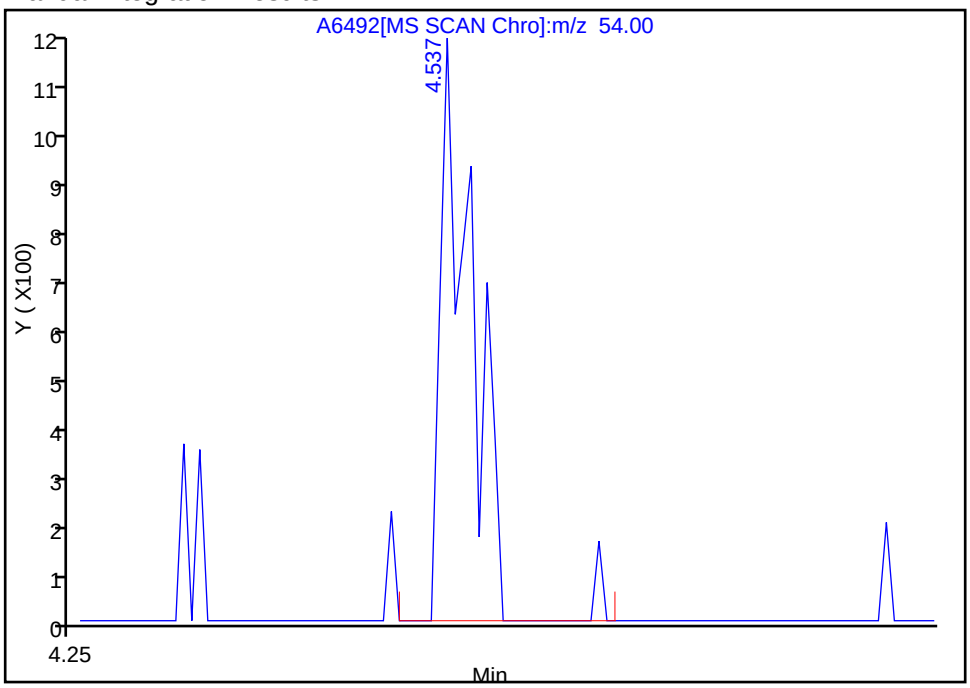


Manual Integration Results

RT: 4.54

Response: 1897

Amount: 11.230718



Reviewer: hallj, 09-Mar-2011 20:01:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

Report Date: 09-Mar-2011 20:01:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Manual Integration/User Assign Peak Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D

Injection Date: 09-Mar-2011 19:38:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 13

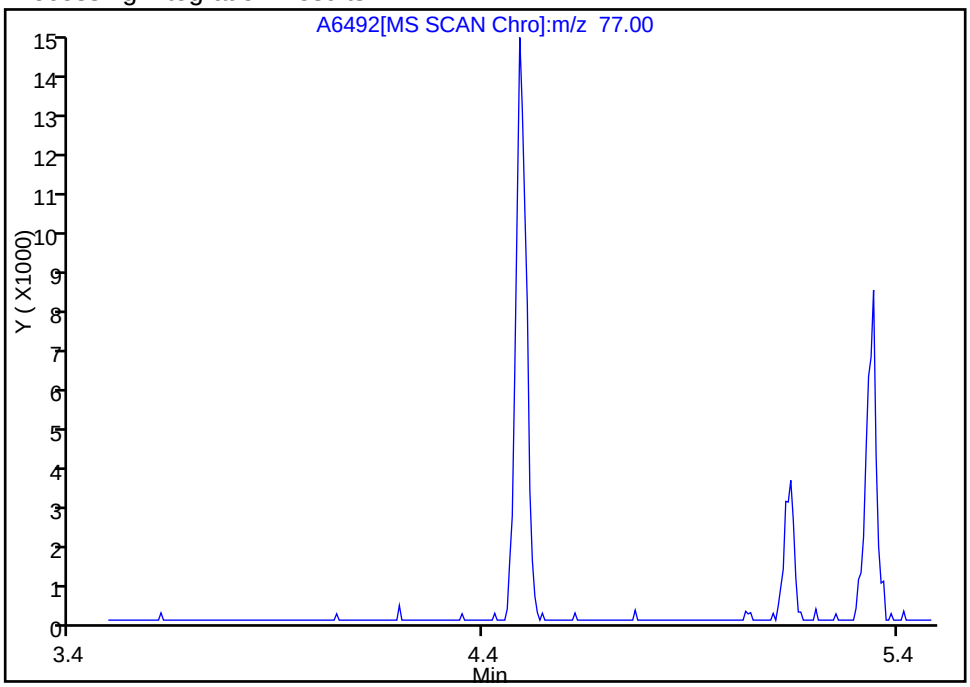
Operator ID: JLH

37 2,2-Dichloropropane, Signal: 1, m/z: 77.0 Type: quant, RT: 4.49

Not Detected

Expected RT: 4.49

Processing Integration Results

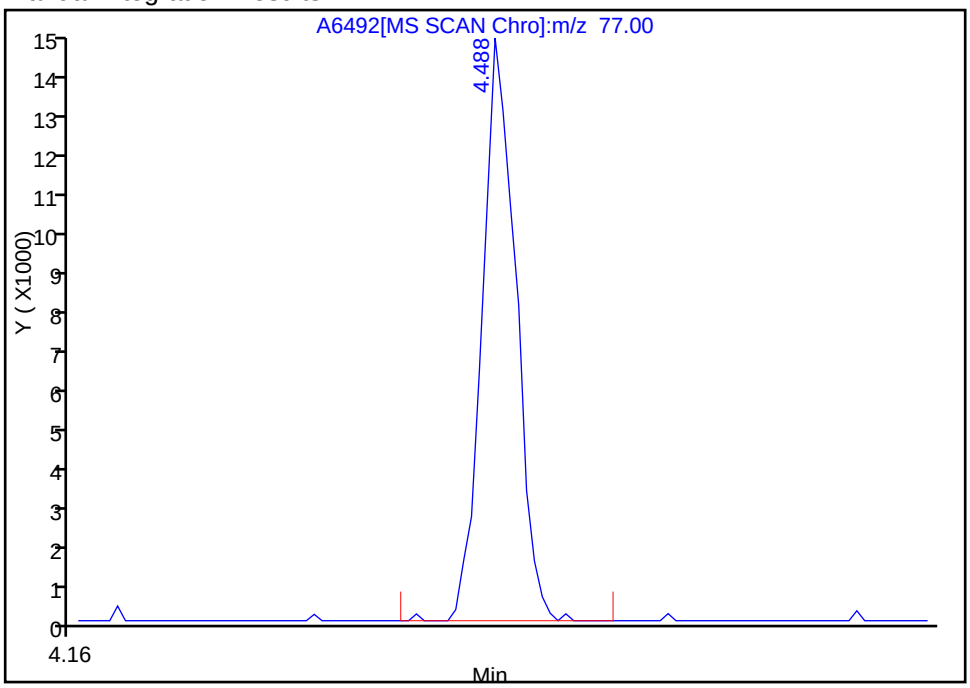


Manual Integration Results

RT: 4.49

Response: 25680

Amount: 9.824712



Reviewer: hallj, 09-Mar-2011 20:01:58

Audit Action: Manually Integrated

Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8103.D		
Lims ID:	bfb	Client ID:	
Inject. Date:	08-Mar-2011 12:23:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0308112:50NG		
Misc. Info.:	510-0004493-001 =510-0004493-001		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77032	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 12:36:21	Calib Date:	04-Mar-2011 13:35:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110304-4463.b\E7960.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	08-Mar-2011 12:36:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	7.165	7.165	0.0	12	36061	50.0	s
$ 100 BFB	95	7.159	7.159	0.0	0	490159	0	

QC Flag Legend

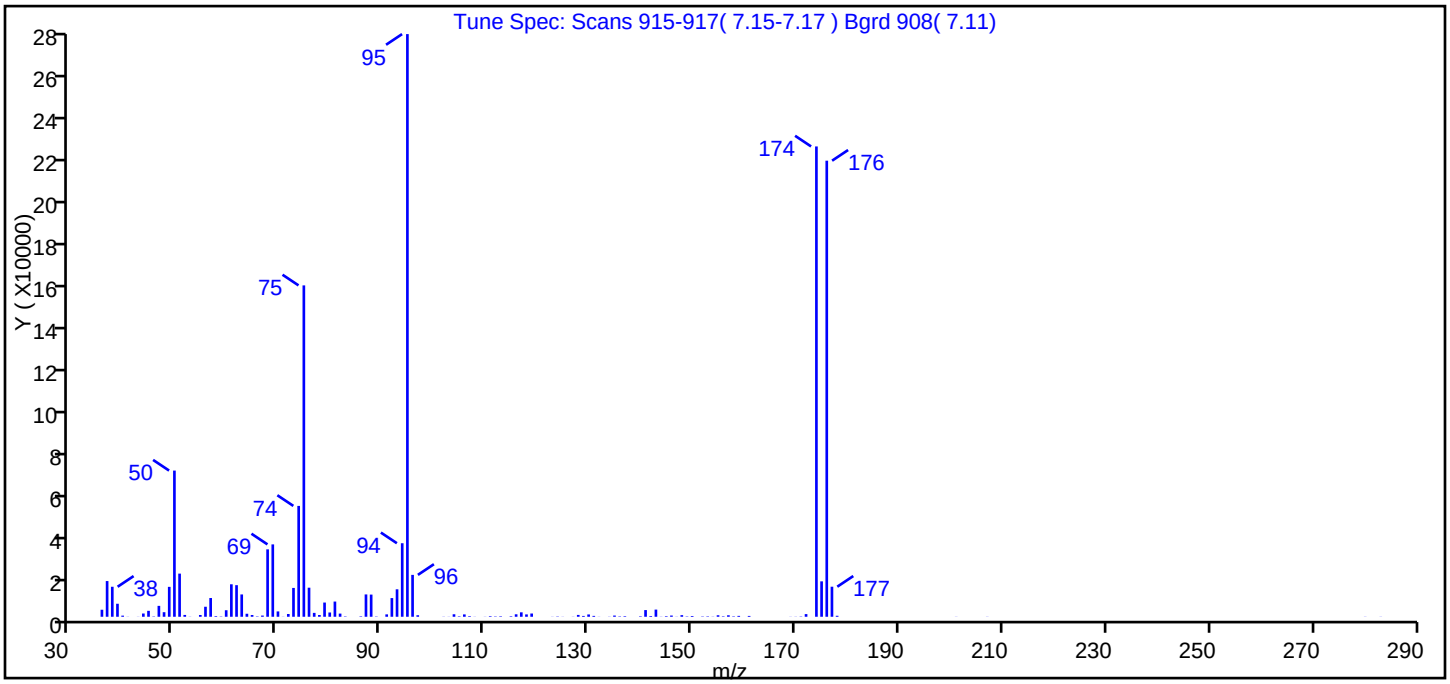
Processing Flags
s - Failed ISTD Recovery Test

Report Date: 08-Mar-2011 12:36:21 Chrom Revision: 1.2 17-Feb-2011 18:05:56

MS Tune Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8103.D		
Injection Date:	08-Mar-2011 12:23:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	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	25.09
75	30.00 - 60.00% of mass 95	56.87
96	5.00 - 9.00% of mass 95	7.19
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	80.72
175	5.00 - 9.00% of mass 174	6.08 (7.53)
176	95.00 - 101.00% of mass 174	78.27 (96.97)
177	5.00 - 9.00% of mass 176	5.16 (6.59)

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8103.D\8260-SO-VMSA-E.rslt\spectra.d
Injection Date: 08-Mar-2011 12:23:30
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: 119

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3350	68.00	32112	105.00	210	144.00	69
37.00	17008	69.00	34472	106.00	1127	145.00	277
38.00	14292	70.00	2548	107.00	291	146.00	582
39.00	6197	71.00	59	108.00	56	147.00	63
40.00	540	72.00	1320	110.00	56	148.00	769
41.00	63	73.00	13735	111.00	289	149.00	158
43.00	52	74.00	52800	112.00	166	150.00	367
44.00	1553	75.00	157824	113.00	237	152.00	156
45.00	2828	76.00	13847	115.00	250	153.00	198
46.00	160	77.00	1849	116.00	1181	154.00	78
47.00	5193	78.00	837	117.00	2117	155.00	720
48.00	2177	79.00	6771	118.00	1124	156.00	215
49.00	14250	80.00	2036	119.00	1552	157.00	708
50.00	69624	81.00	7245	123.00	57	158.00	203
51.00	20552	82.00	1511	124.00	146	159.00	427
52.00	869	83.00	176	125.00	53	161.00	402
53.00	67	86.00	221	127.00	62	169.00	55
55.00	833	87.00	10641	128.00	880	170.00	66
56.00	4772	88.00	10564	129.00	396	171.00	139
57.00	8929	89.00	143	130.00	1100	172.00	1270
58.00	310	91.00	1142	131.00	417	174.00	224000
59.00	140	92.00	8897	132.00	55	175.00	16872
60.00	3112	93.00	13085	134.00	71	176.00	217216
61.00	15470	94.00	35024	135.00	578	177.00	14317
62.00	15050	95.00	277504	136.00	182	178.00	476
63.00	10635	96.00	19952	137.00	273	201.00	53
64.00	1434	97.00	726	140.00	228	207.00	59
65.00	835	102.00	69	141.00	3188	280.00	60
66.00	175	103.00	55	142.00	350	283.00	58
67.00	577	104.00	1194	143.00	3414		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6480.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	09-Mar-2011 13:19:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB0309111:50NG		
Misc. Info.:	510-0004502-001 =510-0004502-001		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77114	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 13:30:30	Calib Date:	03-Mar-2011 19:34:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110303-4461.b\A6235.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	09-Mar-2011 13:30:29

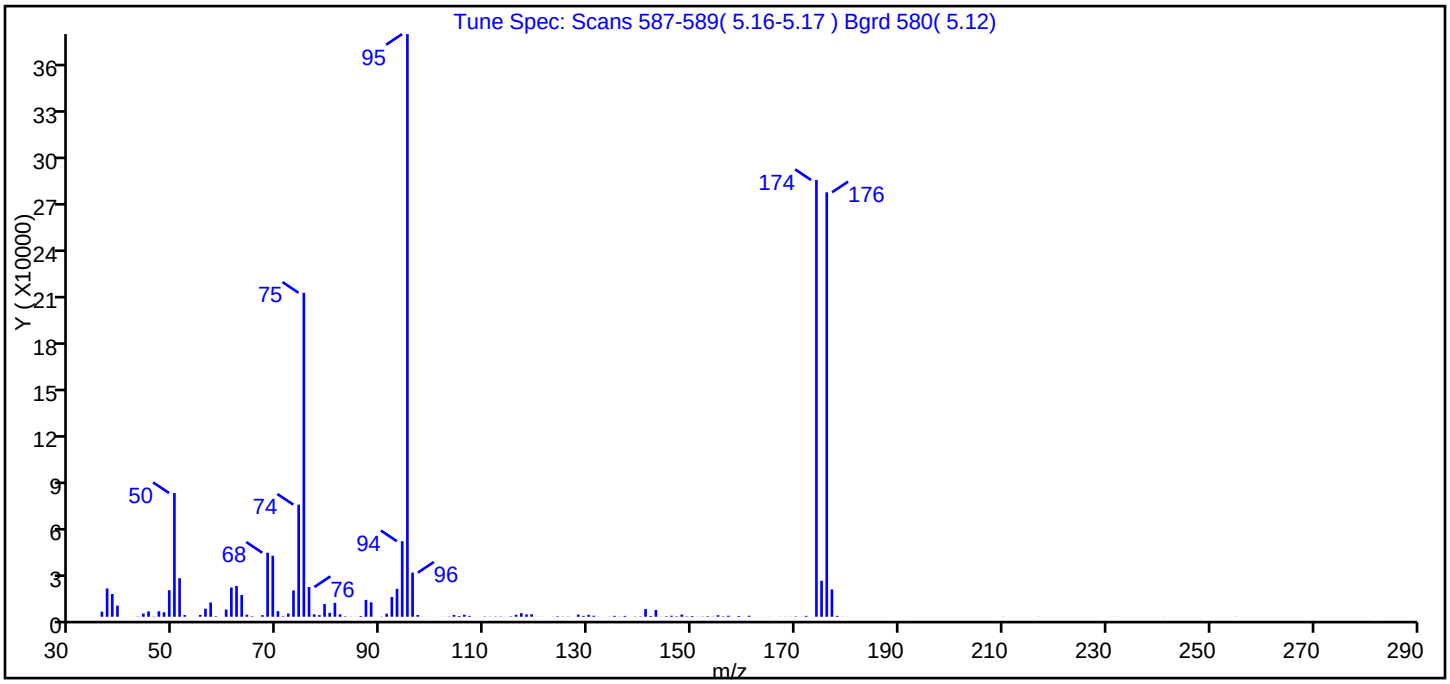
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
$ 5 BFB	95	5.164	5.164	0.0	0	639721	0	

Report Date: 09-Mar-2011 13:30:30 Chrom Revision: 1.2 17-Feb-2011 18:05:56

MS Tune Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6480.D
Injection Date: 09-Mar-2011 13:19:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSB
Lims Batch ID: 77114 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	21.24
75	30.00 - 60.00% of mass 95	55.61
96	5.00 - 9.00% of mass 95	7.57
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	74.96
175	5.00 - 9.00% of mass 174	6.19 (8.26)
176	95.00 - 101.00% of mass 174	72.85 (97.19)
177	5.00 - 9.00% of mass 176	4.70 (6.45)

Report Date: 09-Mar-2011 13:30:30 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6480.D\VMSB-8260.rslt\spectra.d
Injection Date: 09-Mar-2011 13:19:30
Spectrum: Tune Spec: Scans 587-589(5.16-5.17) Bgrd 580(5.12)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3295	75.00	208192	113.00	206	150.00	506
37.00	18192	76.00	19112	114.00	55	151.00	60
38.00	14623	77.00	1561	115.00	277	152.00	149
39.00	7176	78.00	1039	116.00	1289	153.00	374
42.00	62	79.00	8172	117.00	2315	154.00	126
43.00	165	80.00	2513	118.00	1477	155.00	1002
44.00	2037	81.00	8949	119.00	1609	156.00	278
45.00	3450	82.00	1558	120.00	51	157.00	679
46.00	149	83.00	276	121.00	84	159.00	544
47.00	3528	84.00	84	123.00	81	161.00	666
48.00	2871	85.00	56	124.00	339	165.00	58
49.00	17064	86.00	443	125.00	105	167.00	62
50.00	79520	87.00	10857	126.00	162	168.00	68
51.00	24768	88.00	9273	128.00	1420	169.00	95
52.00	1070	90.00	140	129.00	544	170.00	269
55.00	1217	91.00	1992	130.00	1253	171.00	80
56.00	5177	92.00	12681	131.00	669	172.00	602
57.00	9174	93.00	17920	132.00	93	174.00	280640
58.00	358	94.00	48552	134.00	82	175.00	23168
60.00	4680	95.00	374400	135.00	593	176.00	272768
61.00	18800	96.00	28360	136.00	88	177.00	17600
62.00	19824	97.00	1118	137.00	567	178.00	589
63.00	14032	98.00	62	139.00	203	179.00	69
64.00	1333	99.00	51	140.00	234	180.00	59
65.00	309	102.00	50	141.00	4953	192.00	55
67.00	1033	103.00	178	142.00	509	210.00	95
68.00	41144	104.00	1154	143.00	4385	217.00	72
69.00	39192	105.00	502	144.00	81	231.00	50
70.00	3618	106.00	1299	145.00	333	232.00	67
71.00	308	107.00	567	146.00	685	241.00	56
72.00	2080	110.00	213	147.00	311	255.00	71
73.00	16920	111.00	136	148.00	1432	282.00	62
74.00	72032	112.00	193	149.00	254		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	3295	75.00	208192	113.00	206	150.00	506
37.00	18192	76.00	19112	114.00	55	151.00	60
38.00	14623	77.00	1561	115.00	277	152.00	149
39.00	7176	78.00	1039	116.00	1289	153.00	374
42.00	62	79.00	8172	117.00	2315	154.00	126
43.00	165	80.00	2513	118.00	1477	155.00	1002
44.00	2037	81.00	8949	119.00	1609	156.00	278
45.00	3450	82.00	1558	120.00	51	157.00	679
46.00	149	83.00	276	121.00	84	159.00	544
47.00	3528	84.00	84	123.00	81	161.00	666
48.00	2871	85.00	56	124.00	339	165.00	58
49.00	17064	86.00	443	125.00	105	167.00	62
50.00	79520	87.00	10857	126.00	162	168.00	68
51.00	24768	88.00	9273	128.00	1420	169.00	95
52.00	1070	90.00	140	129.00	544	170.00	269
55.00	1217	91.00	1992	130.00	1253	171.00	80
56.00	5177	92.00	12681	131.00	669	172.00	602
57.00	9174	93.00	17920	132.00	93	174.00	280640
58.00	358	94.00	48552	134.00	82	175.00	23168
60.00	4680	95.00	374400	135.00	593	176.00	272768
61.00	18800	96.00	28360	136.00	88	177.00	17600
62.00	19824	97.00	1118	137.00	567	178.00	589
63.00	14032	98.00	62	139.00	203	179.00	69
64.00	1333	99.00	51	140.00	234	180.00	59
65.00	309	102.00	50	141.00	4953	192.00	55
67.00	1033	103.00	178	142.00	509	210.00	95
68.00	41144	104.00	1154	143.00	4385	217.00	72
69.00	39192	105.00	502	144.00	81	231.00	50
70.00	3618	106.00	1299	145.00	333	232.00	67
71.00	308	107.00	567	146.00	685	241.00	56
72.00	2080	110.00	213	147.00	311	255.00	71
73.00	16920	111.00	136	148.00	1432	282.00	62
74.00	72032	112.00	193	149.00	254		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77032/11

Matrix: Solid | Lab File ID: E8113.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/08/2011 18:02

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.: 77032 | 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.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77032/11

Matrix: Solid | Lab File ID: E8113.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/08/2011 18:02

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.: 77032 | 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	0.0012
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	0.0010
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)	90		76-137
2037-26-5	Toluene-d8 (Surr)	86		70-130
460-00-4	4-Bromofluorobenzene (Surr)	102		50-150

TestAmerica Laboratories
Target Compound Quantitation Report

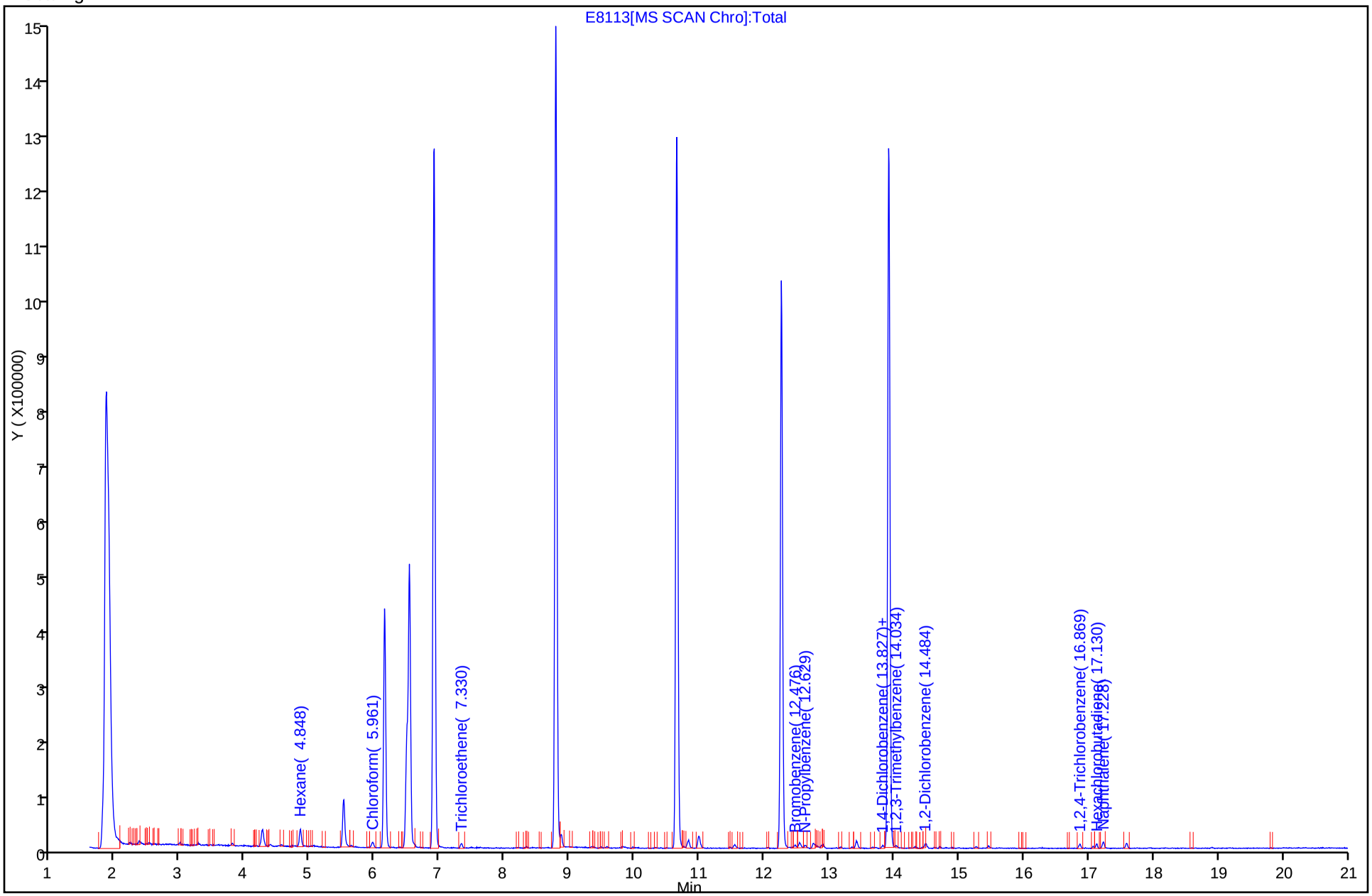
Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Lims ID:	MB	Client ID:	
Inject. Date:	08-Mar-2011 18:02:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	510-0004493-011 =510-0004493-011		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	77032	Lims Sample ID:	11
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB1		
First Level Reviewer: hallj		Date:	08-Mar-2011 18:35:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	0	1429464	50.0	M
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	89	891690	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.924	13.924	0.0	97	480327	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	446255	45.1	
$ 100 BFB	95	6.910	7.159	-0.249	0	116882	0	
$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	95	1174703	42.8	
$ 7 4-Bromofluorobenzene (Surr)	95	12.264	12.263	0.001	84	467651	51.1	
27 Hexane	57	4.848	4.829	0.019	92	15509	1.30	
36 Chloroform	83	5.967	5.961	0.006	62	3120	0.2305	
45 Trichloroethene	132	7.330	7.323	0.007	82	3116	0.4387	
70 Bromobenzene	156	12.489	12.476	0.013	88	1437	0.2066	
74 N-Propylbenzene	91	12.635	12.634	0.001	98	6653	0.2210	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	85	3662	0.2855	
83 1,4-Dichlorobenzene	146	13.827	13.954	-0.127	90	3662	0.2700	
99 1,2,3-Trimethylbenzene	105	14.034	14.033	0.001	0	3373	0.1422	
85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	77	3058	0.2431	
87 1,2,4-Trichlorobenzene	180	16.869	16.868	0.001	72	3688	0.5017	
88 Hexachlorobutadiene	225	17.124	17.130	-0.006	69	2401	0.4542	
89 Naphthalene	128	17.228	17.227	0.001	99	13194	0.7551	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 18:35:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D
Injection Date: 08-Mar-2011 18:02:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 11
Operator ID: WH
Y Scaling:



Report Date: 08-Mar-2011 18:35:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

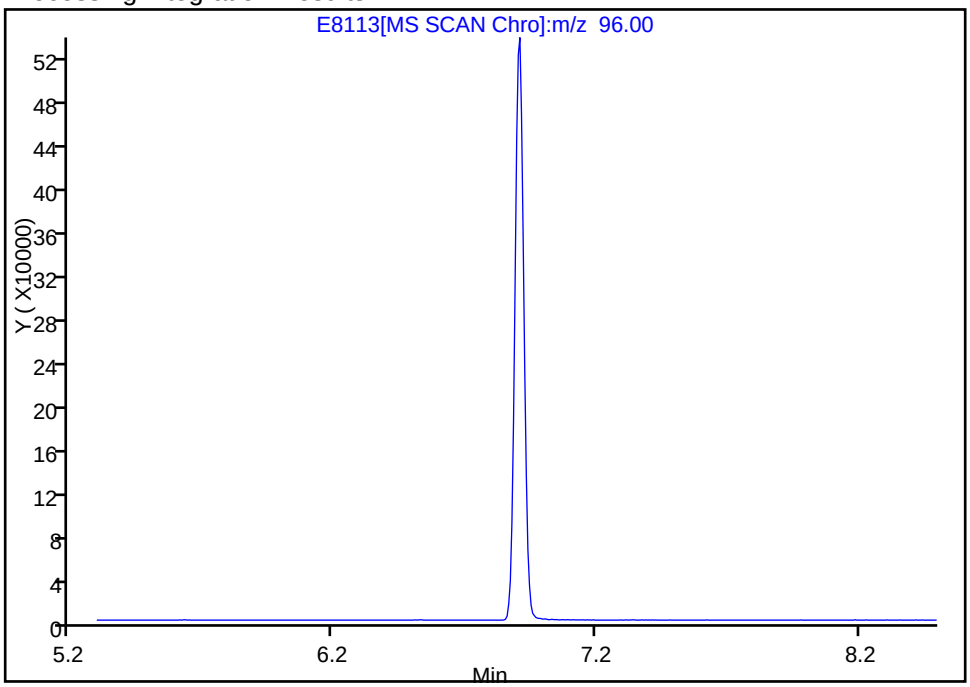
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Injection Date:	08-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	11
Operator ID:	WH		

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

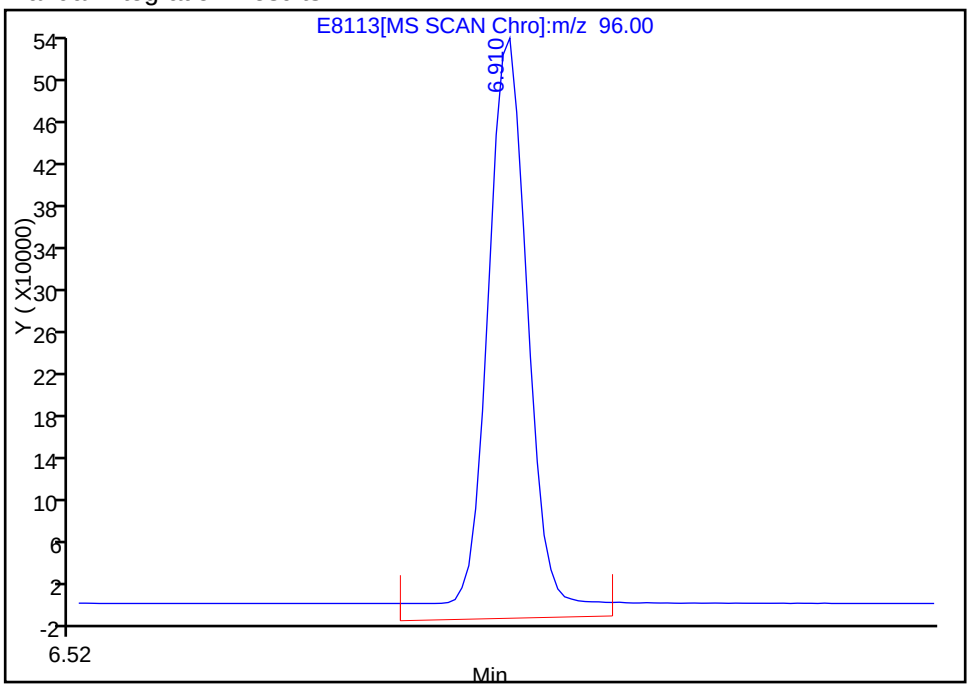
Processing Integration Results

Not Detected
Expected RT: 6.90



Manual Integration Results

RT: 6.91
Response: 1429464
Amount: 50.000000



Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

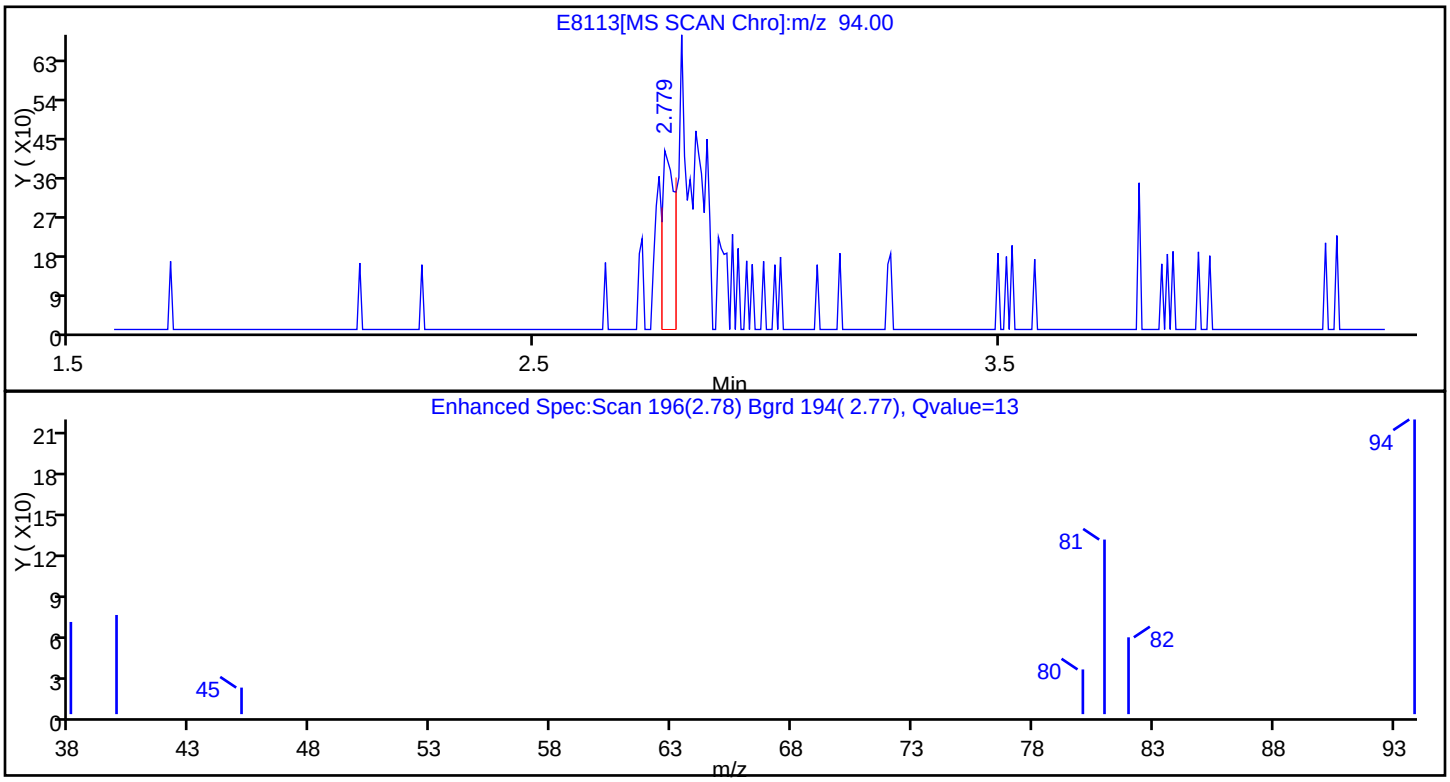
Report Date: 08-Mar-2011 18:35:03 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Injection Date:	08-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	11
Operator ID:	WH		

11 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.78	94.00	757	0.273090
2.78	96.00	495	

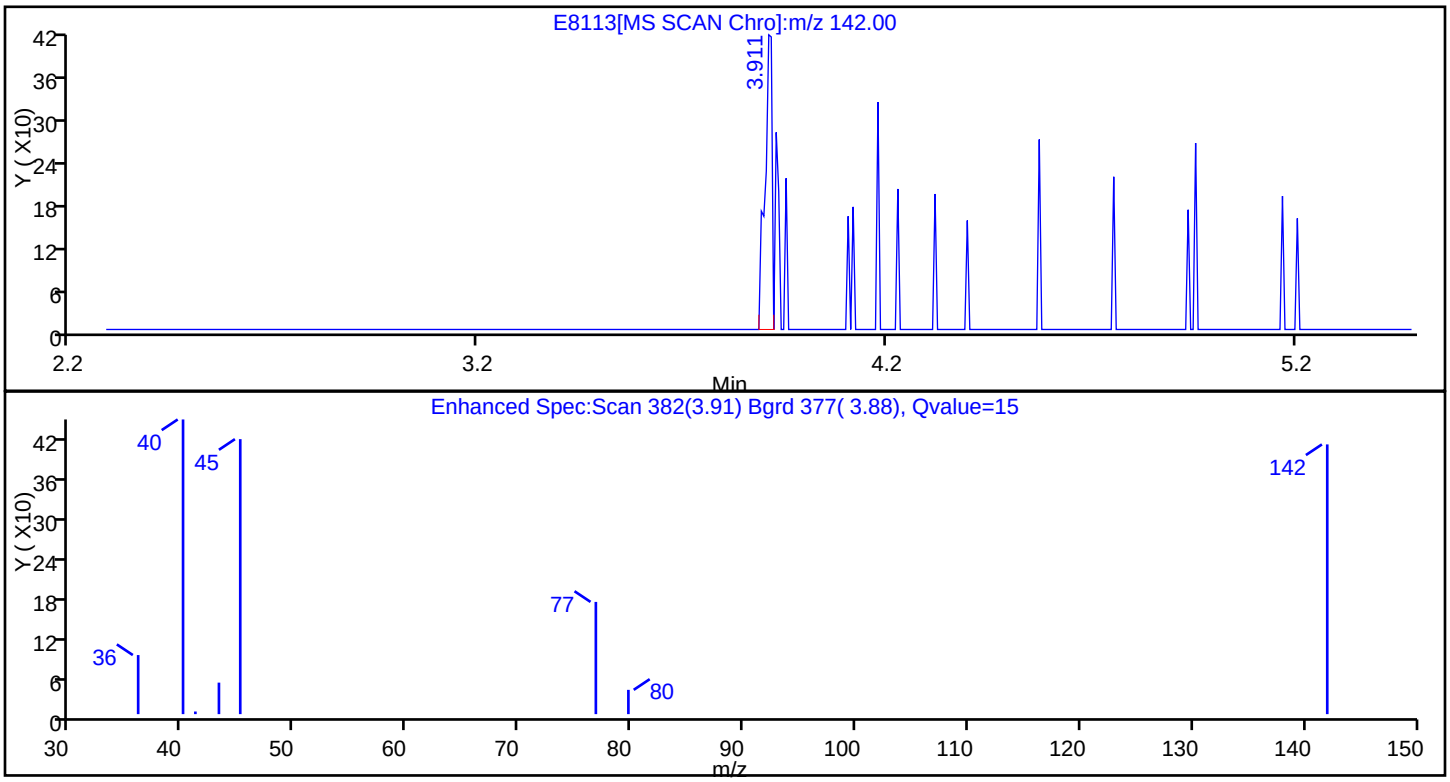
Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Injection Date:	08-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	11
Operator ID:	WH		

19 Iodomethane

Processing Results



RT	Mass	Response	Amount
3.91	142.00	497	0.281695
3.92	127.00	115	

Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Marked Compound Undetected
Audit Reason:

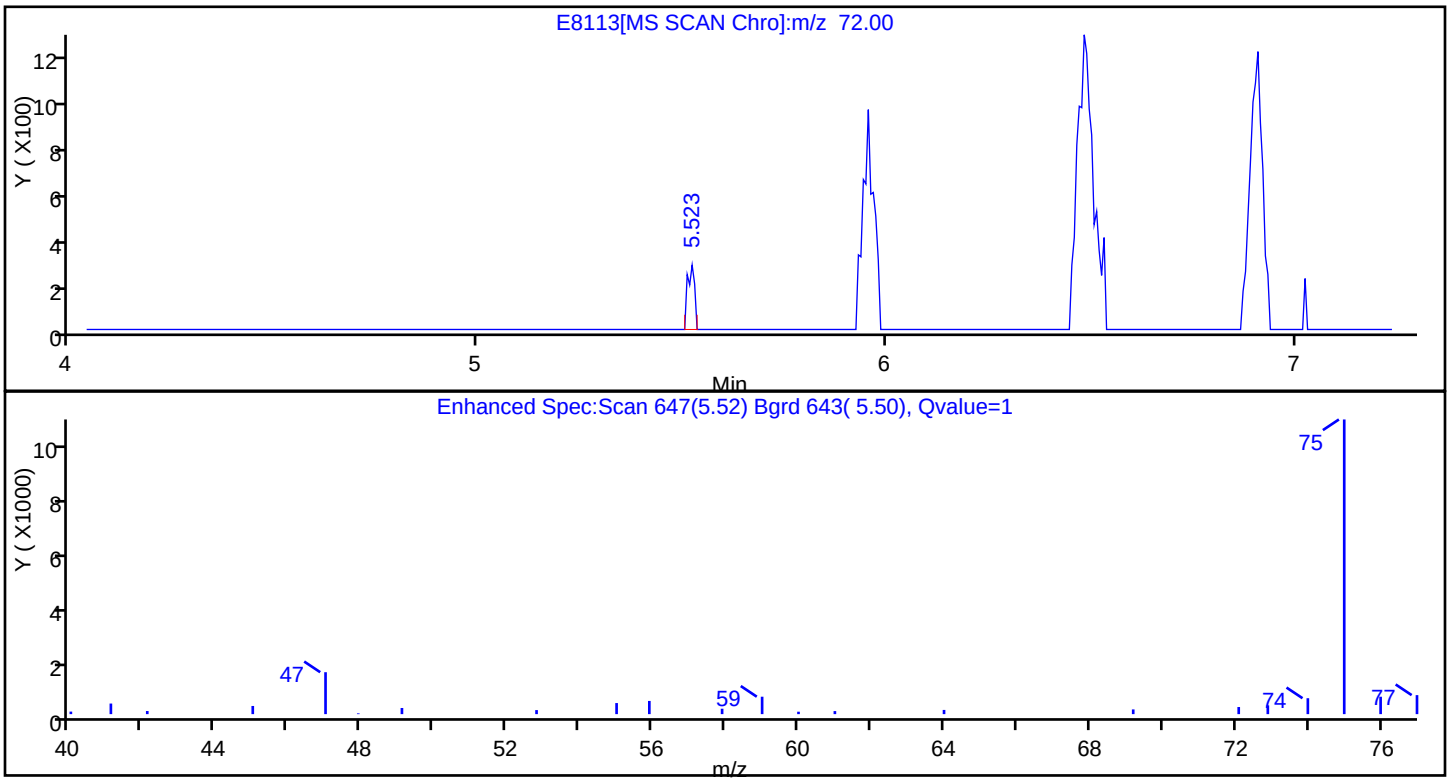
Report Date: 08-Mar-2011 18:35:04 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D
Injection Date: 08-Mar-2011 18:02:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 11
Operator ID: WH

34 2-Butanone (MEK)

Processing Results



RT	Mass	Response	Amount
5.52	72.00	313	0.205541
5.52	43.00	4921	

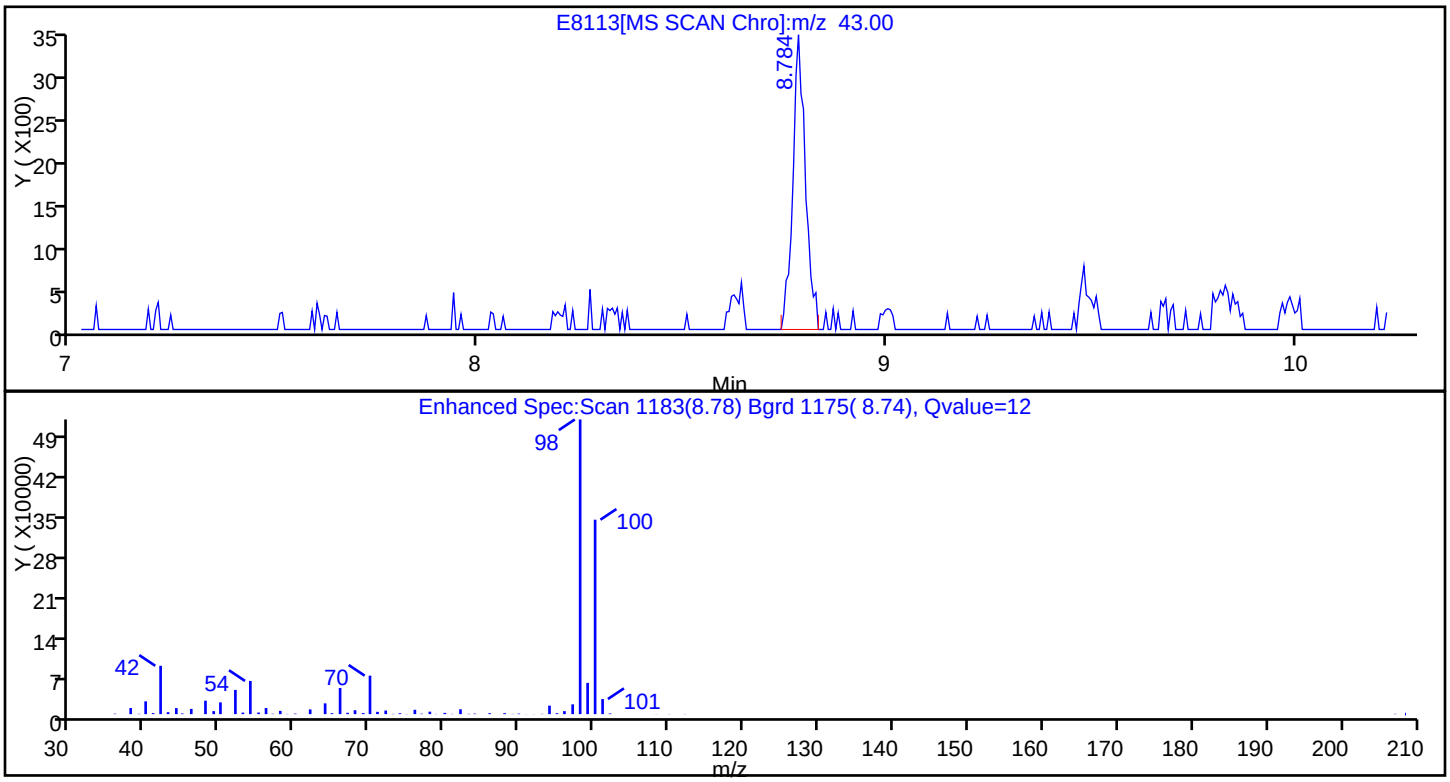
Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Marked Compound Undetected
Audit Reason:

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Injection Date:	08-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	11
Operator ID:	WH		

52 4-Methyl-2-pentanone (MIBK)

Processing Results



RT	Mass	Response	Amount
8.78	43.00	7303	0.688177
8.78	58.00	12700	

Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Marked Compound Undetected
Audit Reason:

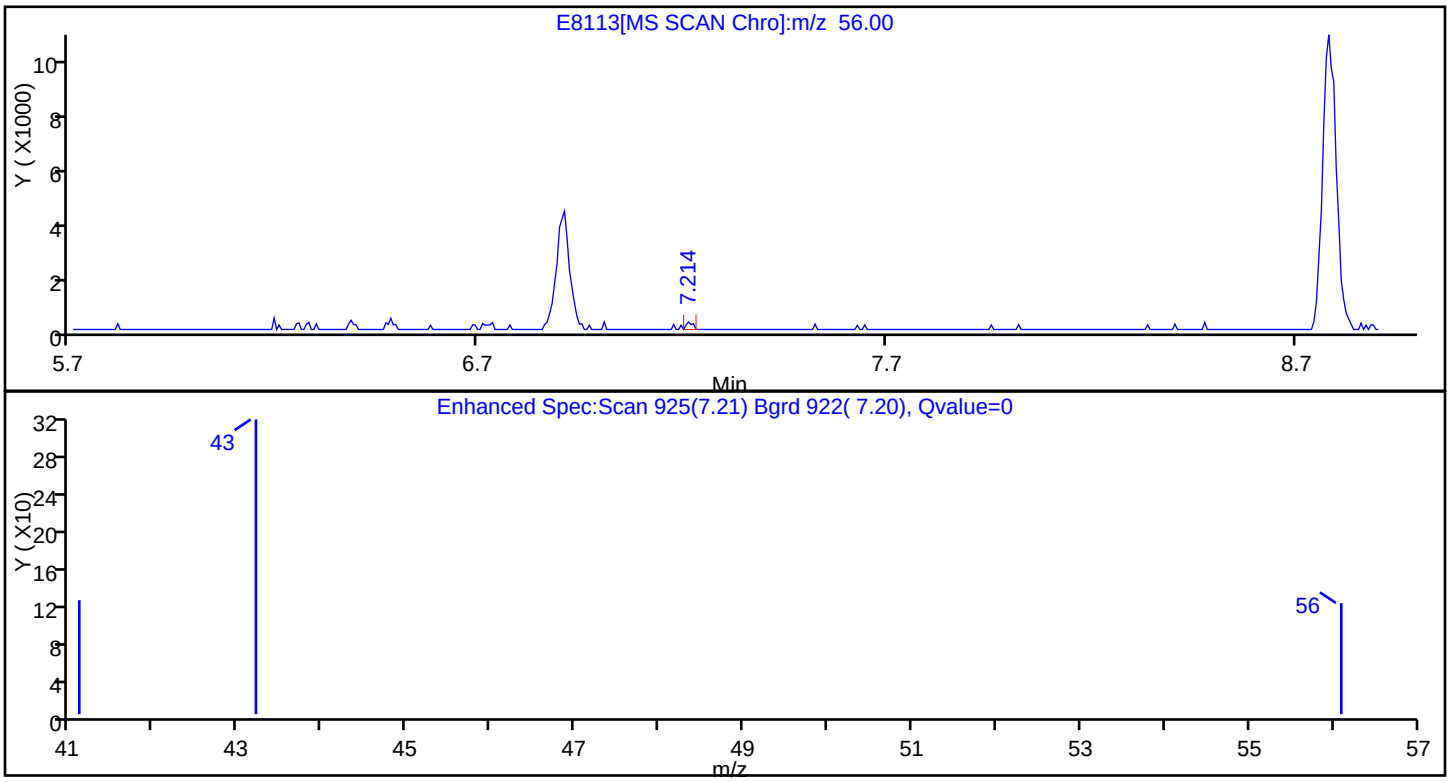
Report Date: 08-Mar-2011 18:35:04 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8113.D		
Injection Date:	08-Mar-2011 18:02:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	11
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.21	56.00	297	0.874047
7.21	41.00	276	
7.21	43.00	196	

Reviewer: hallj, 08-Mar-2011 18:35:03
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77114/16

Matrix: Water | Lab File ID: A6495.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 40(mL) | Date Analyzed: 03/09/2011 21:21

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.: 77114 | 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	0.00060
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
71-36-3	n-Butanol	<0.10		0.10	0.060
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

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77114/16

Matrix: Water | Lab File ID: A6495.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 40(mL) | Date Analyzed: 03/09/2011 21:21

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.: 77114 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
156-60-5	trans-1,2-Dichloroethylene	<0.0050		0.0050	0.00067
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)	104		81-126
2037-26-5	Toluene-d8 (Surr)	97		89-108
460-00-4	4-Bromofluorobenzene (Surr)	101		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6495.D		
Lims ID:	MB	Client ID:	
Inject. Date:	09-Mar-2011 21:21:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB		
Misc. Info.:	510-0004502-016 =510-0004502-016		
Operator:	JLH	Instrument ID:	VMSB
Vol. Injected:	1.0000	ALS Bottle#:	2
Lims Batch ID:	77114	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m		
Last Update:	09-Mar-2011 20:36:48	Calib Date:	09-Mar-2011 19:38:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	10-Mar-2011 06:18:42

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.608	5.611	-0.003	98	258769	50.0	
* 2 Chlorobenzene-d5	82	8.808	8.805	0.003	88	123733	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.546	11.548	-0.002	98	87213	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.268	5.270	-0.002	0	122595	51.9	
$ 7 Toluene-d8 (Surr)	98	7.233	7.229	0.004	94	258928	48.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.165	10.161	0.004	77	106909	50.7	
26 Methylene Chloride	84	3.272	3.281	-0.009	73	849	0.5674	
42 Chloroform	83	4.787	4.790	-0.003	22	1186	0.3616	
84 tert-Butylbenzene	119	11.090	11.080	0.010	28	841	0.2579	
86 sec-Butylbenzene	105	11.345	11.354	-0.009	49	2762	0.6499	
88 4-Isopropyltoluene	119	11.534	11.530	0.004	13	2233	0.5922	
99 1,2,3-Trimethylbenzene	105	11.637	11.646	-0.009	0	100	0.0226	
90 n-Butylbenzene	91	12.027	12.023	0.004	90	3799	1.14	
93 1,2,4-Trichlorobenzene	180	14.004	14.000	0.004	59	2218	4.82	
94 Hexachlorobutadiene	225	14.223	14.225	-0.002	82	3782	5.48	
95 Naphthalene	128	14.290	14.292	-0.002	44	1780	0.9308	
96 1,2,3-Trichlorobenzene	180	14.594	14.596	-0.002	83	1989	3.57	

Report Date: 10-Mar-2011 06:18:42 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6495.D

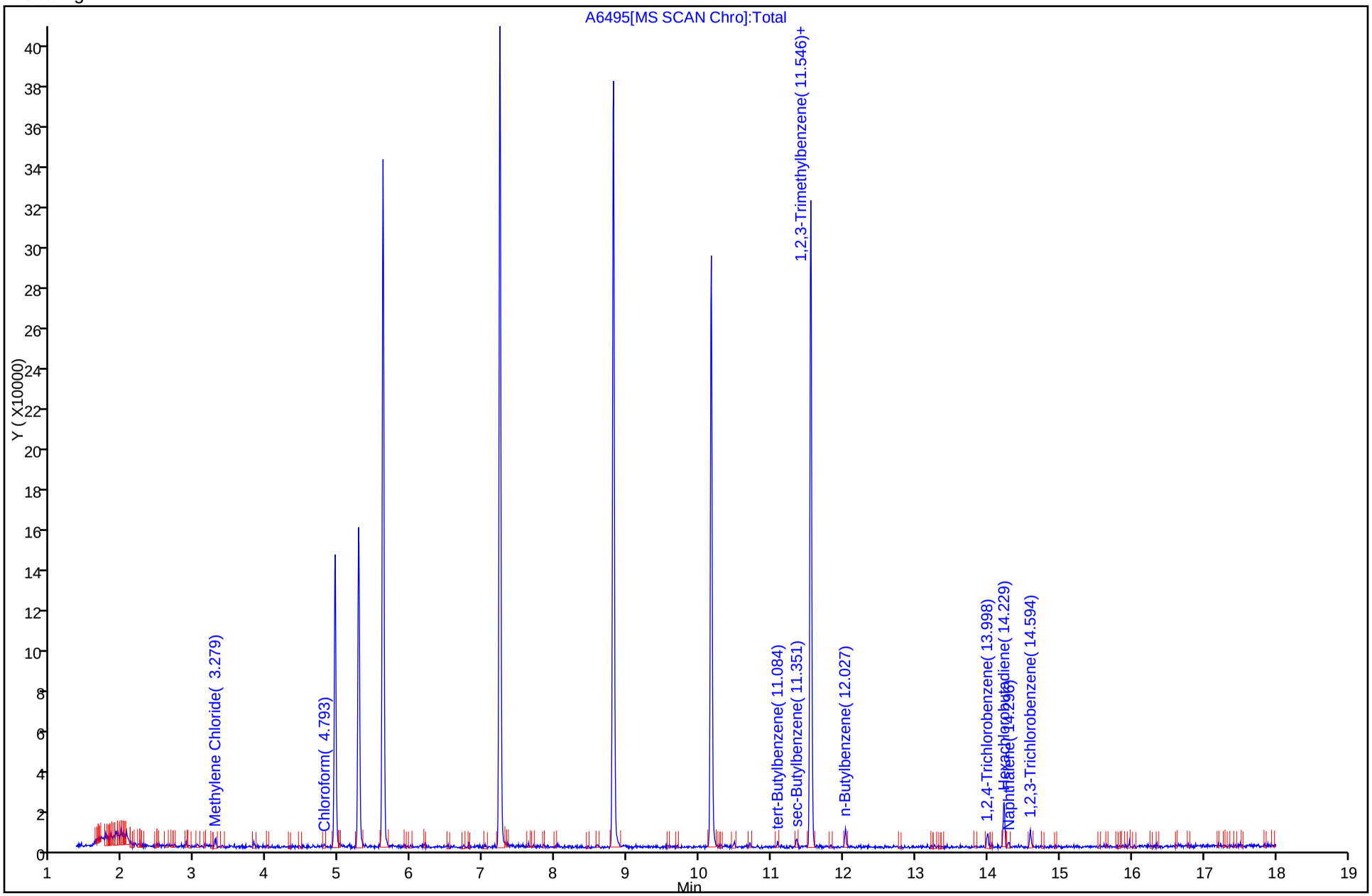
Injection Date: 09-Mar-2011 21:21:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 16

Operator ID: JLH

Y Scaling:



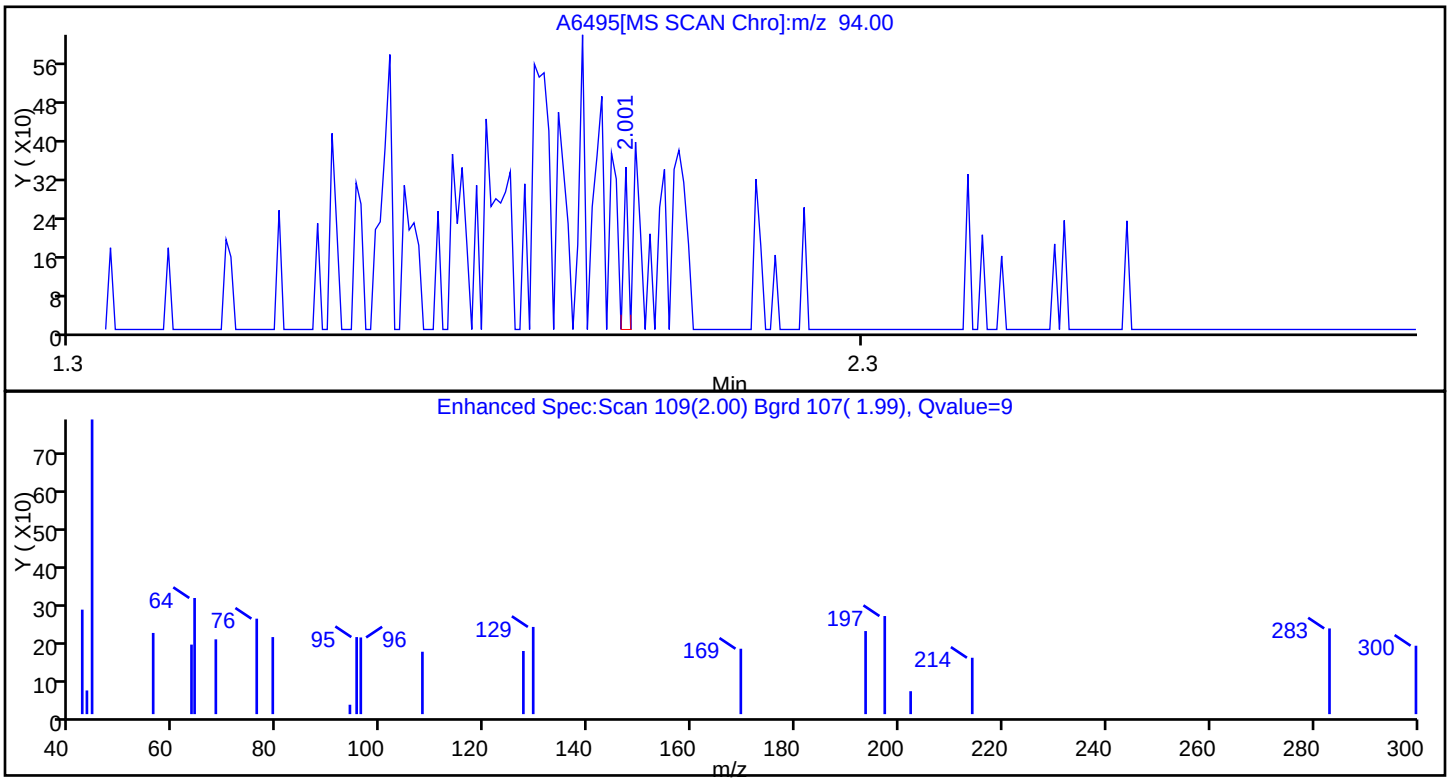
Report Date: 10-Mar-2011 06:18:42 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6495.D		
Injection Date:	09-Mar-2011 21:21:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	16
Operator ID:	JLH		

15 Bromomethane

Processing Results



RT	Mass	Response	Amount
2.00	94.00	123	2.040464
2.00	96.00	198	

Reviewer: hobartw, 10-Mar-2011 06:18:42
Audit Action: Marked Compound Undetected
Audit Reason:

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77032/12

Matrix: Solid | Lab File ID: E8114.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/08/2011 18:36

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.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.0548		0.0050	0.0018
67-64-1	Acetone	0.0645		0.010	0.0020
75-15-0	Carbon disulfide	0.0600		0.0050	0.0013
75-00-3	Chloroethane	0.0556		0.0050	0.0017
74-87-3	Chloromethane	0.0463		0.0050	0.0014
75-35-4	1,1-Dichlorethylene	0.0658		0.0050	0.0017
156-59-2	cis-1,2-Dichloroethylene	0.0527		0.0050	0.0012
67-66-3	Chloroform	0.0591		0.0050	0.0010
75-34-3	1,1-Dichloroethane	0.0610		0.0050	0.0016
110-82-7	Cyclohexane	0.0791		0.0050	0.0016
107-06-2	1,2-Dichloroethane	0.0549		0.0050	0.00097
56-23-5	Carbon tetrachloride	0.0679		0.0050	0.0011
71-43-2	Benzene	0.0682		0.0050	0.0011
74-88-4	Iodomethane	0.126		0.010	0.0037
78-87-5	1,2-Dichloropropane	0.0595		0.0050	0.00086
75-27-4	Bromodichloromethane	0.0592		0.0050	0.00050
79-20-9	Methyl acetate	0.0599		0.0050	0.00074
10061-01-5	cis-1,3-Dichloropropene	0.0633		0.0050	0.00050
108-87-2	Methylcyclohexane	0.0752		0.0050	0.0012
75-09-2	Methylene Chloride	0.0506		0.0050	0.0013
78-93-3	Methyl ethyl ketone (MEK)	0.0517		0.010	0.00083
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0512		0.010	0.00050
1634-04-4	Methyl tert-butyl ether	0.0577		0.0050	0.00085
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0586		0.010	0.00079
71-36-3	n-Butanol	0.833		0.10	0.015
124-48-1	Chlorodibromomethane	0.0549		0.0050	0.00050
110-54-3	n-Hexane	0.0798		0.0050	0.0020
106-93-4	1,2-Dibromoethane	0.0539		0.0050	0.00050
108-90-7	Chlorobenzene	0.0592		0.0050	0.00067
630-20-6	1,1,1,2-Tetrachloroethane	0.0599		0.0050	0.00069
100-41-4	Ethylbenzene	0.0694		0.0050	0.00077
127-18-4	Tetrachloroethylene	0.0661		0.0050	0.0011
108-88-3	Toluene	0.0633		0.0050	0.0011
100-42-5	Styrene	0.0605		0.0050	0.00067
75-25-2	Bromoform	0.0535		0.0050	0.0014
156-60-5	trans-1,2-Dichloroethylene	0.0638		0.0050	0.0017

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77032/12

Matrix: Solid | Lab File ID: E8114.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/08/2011 18:36

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.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	0.0710		0.0050	0.00074
10061-02-6	trans-1,3-Dichloropropene	0.0612		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	0.0658		0.0050	0.0011
79-34-5	1,1,2,2-Tetrachloroethane	0.0516		0.0050	0.0011
79-00-5	1,1,2-Trichloroethane	0.0528		0.0050	0.00069
103-65-1	n-Propylbenzene	0.0691		0.0050	0.0020
79-01-6	Trichloroethene	0.0609		0.0050	0.0012
75-69-4	Trichlorofluoromethane	0.0496		0.0050	0.0017
95-63-6	1,2,4-Trimethylbenzene	0.0692		0.0050	0.0020
108-67-8	1,3,5-Trimethylbenzene	0.0662		0.0050	0.00074
108-05-4	Vinyl acetate	0.0957		0.0050	0.0012
542-75-6	1,3-Dichloropropene, Total	0.124		0.010	
75-01-4	Vinyl chloride	0.0421		0.0050	0.0022
1330-20-7	Xylenes, Total	0.201		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		76-137
2037-26-5	Toluene-d8 (Surr)	100		70-130
460-00-4	4-Bromofluorobenzene (Surr)	105		50-150

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8114.D
Lims ID: LCS Client ID:
Inject. Date: 08-Mar-2011 18:36:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 510-0004493-012 =510-0004493-012
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 12
Lims Batch ID: 77032 Lims Sample ID: 12
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m
Last Update: 08-Mar-2011 17:05:40 Calib Date: 08-Mar-2011 16:19:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 09-Mar-2011 04:08:12

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	97	1324181	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	927907	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	96	528362	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.532	6.520	0.012	0	462417	50.4	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	95	1269049	49.9	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	529970	52.6	
8 Dichlorodifluoromethane	85	2.055	2.037	0.018	99	449881	59.1	
9 Chloromethane	50	2.262	2.244	0.018	88	403547	46.3	
10 Vinyl chloride	62	2.402	2.390	0.012	81	336963	42.1	
11 Bromomethane	94	2.773	2.730	0.043	92	140685	54.8	
12 Chloroethane	64	2.895	2.925	-0.030	99	231305	55.6	
13 Trichlorofluoromethane	101	3.187	3.071	0.116	78	505970	49.6	
16 1,1-Dichloroethene	96	3.746	3.716	0.030	82	296322	65.8	
18 Acetone	58	3.801	3.801	0.0	99	70463	64.5	
19 Iodomethane	142	3.917	3.886	0.031	97	205341	125.6	
20 Carbon disulfide	76	3.996	3.959	0.037	100	845951	60.0	
21 Methyl acetate	43	4.154	4.142	0.012	99	449821	59.9	
22 Methylene Chloride	84	4.263	4.245	0.018	98	311073	50.6	
24 Acrylonitrile	53	4.519	4.507	0.012	99	152114	46.7	
25 trans-1,2-Dichloroethene	96	4.555	4.537	0.018	69	330403	63.8	
26 Methyl tert-butyl ether	73	4.561	4.549	0.012	98	926147	57.7	
23 2-Methyl-2-propanol	59	4.379	4.616	-0.237	23	201518	172.2	M
27 Hexane	57	4.847	4.829	0.018	95	624918	79.8	
28 1,1-Dichloroethane	63	5.006	4.987	0.019	82	657288	61.0	
29 Vinyl acetate	43	5.054	5.042	0.012	99	1667396	95.7	
30 Isopropyl ether	45	5.072	5.067	0.006	0	1287669	60.8	M
31 Tert-butyl ethyl ether	59	5.462	5.456	0.006	96	973243	55.9	
32 cis-1,2-Dichloroethene	96	5.632	5.620	0.012	82	382762	52.7	
33 2,2-Dichloropropane	77	5.632	5.620	0.012	78	629428	67.1	
34 2-Butanone (MEK)	72	5.644	5.638	0.006	71	72971	51.7	
93 Propionitrile	54	5.705	5.705	0.0	0	70101	47.4	

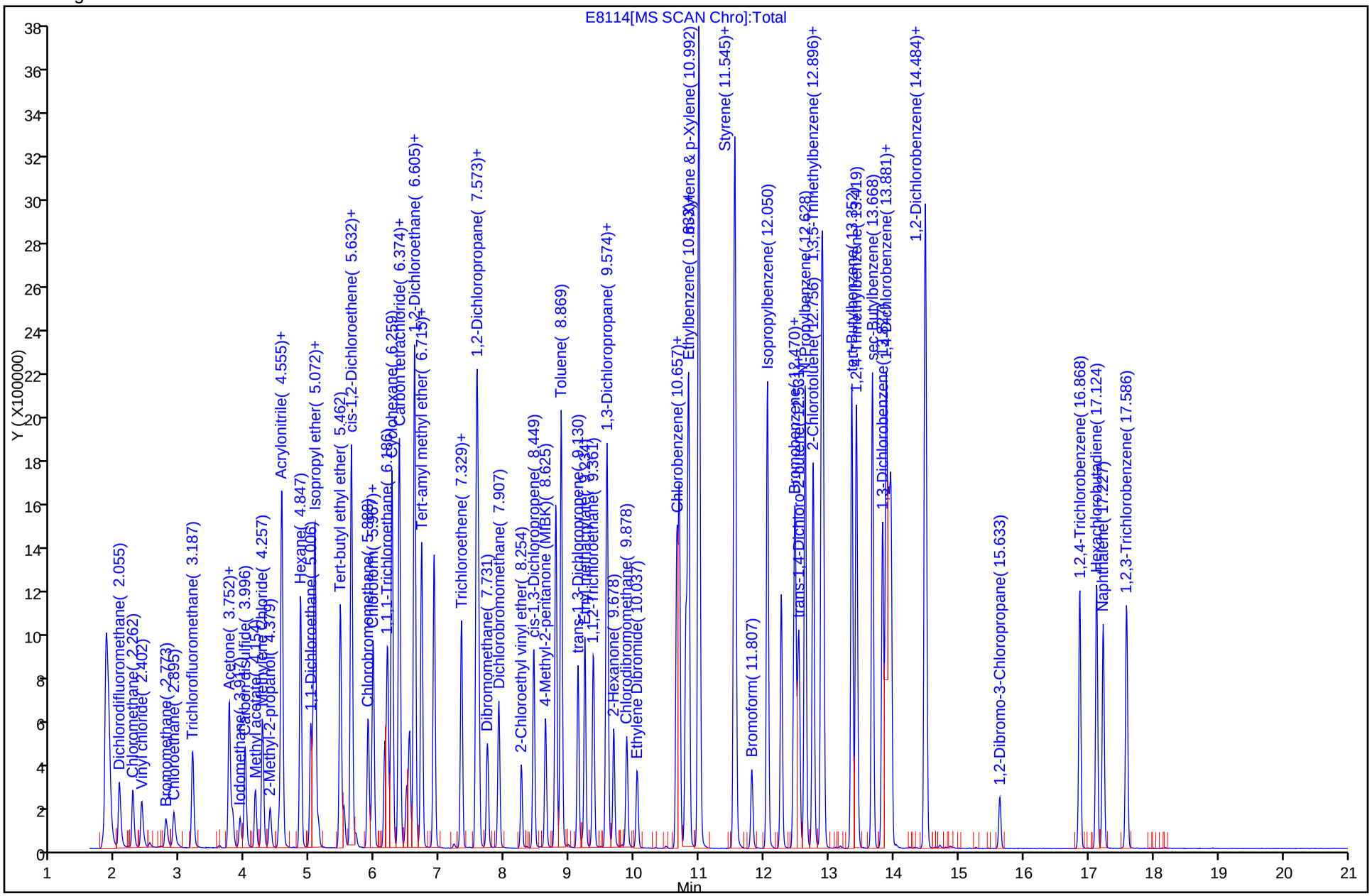
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
35 Chlorobromomethane	130	5.894	5.882	0.012	93	230956	52.5	
95 Tetrahydrofuran	42	5.955	5.948	0.007	0	167339	52.1	
36 Chloroform	83	5.967	5.961	0.006	67	740899	59.1	
37 1,1,1-Trichloroethane	97	6.186	6.174	0.012	97	689343	65.8	
38 Cyclohexane	84	6.259	6.247	0.012	95	716815	79.1	
39 1,1-Dichloropropene	75	6.368	6.356	0.012	91	647472	72.5	
40 Carbon tetrachloride	117	6.374	6.368	0.006	84	614329	67.9	
41 Benzene	78	6.605	6.593	0.012	95	1714829	68.2	
42 1,2-Dichloroethane	62	6.612	6.605	0.007	59	656649	54.9	
44 Tert-amyl methyl ether	73	6.715	6.709	0.006	89	1025865	60.6	
43 Isobutyl alcohol	41	6.715	6.709	0.006	45	196139	53.2	
102 n-Butanol	56	7.561	7.305	0.256	0	262230	833.1	M
45 Trichloroethene	132	7.329	7.323	0.006	89	400349	60.9	
46 Methylcyclohexane	83	7.567	7.555	0.013	94	828332	75.2	
47 1,2-Dichloropropane	63	7.591	7.585	0.006	0	470507	59.5	M
48 Dibromomethane	93	7.731	7.725	0.006	98	225813	53.3	
49 Dichlorobromomethane	83	7.907	7.901	0.006	99	542253	59.2	
50 2-Chloroethyl vinyl ether	63	8.254	8.254	0.0	90	180284	83.6	
54 cis-1,3-Dichloropropene	75	8.443	8.443	0.0	91	617500	63.3	
52 4-Methyl-2-pentanone (MIBK)	43	8.625	8.625	0.0	98	503531	51.2	
53 Toluene	91	8.869	8.869	0.0	95	1710949	63.3	
51 trans-1,3-Dichloropropene	75	9.130	9.124	0.006	97	555109	61.2	
55 Ethyl methacrylate	69	9.234	9.234	0.0	68	607275	56.9	
56 1,1,2-Trichloroethane	83	9.361	9.361	0.0	96	291413	52.8	
57 Tetrachloroethene	164	9.568	9.568	0.0	89	364688	66.1	
58 1,3-Dichloropropane	76	9.586	9.580	0.006	96	649279	56.5	
59 2-Hexanone	43	9.678	9.684	-0.006	98	465532	58.6	
60 Chlorodibromomethane	129	9.878	9.878	0.0	89	341145	54.9	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	324481	53.9	
62 Chlorobenzene	112	10.687	10.687	0.0	95	1038996	59.2	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	85	387253	59.9	
64 Ethylbenzene	91	10.833	10.833	0.0	99	1995112	69.4	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	2970989	139.6	
66 o-Xylene	91	11.539	11.539	0.0	91	1549744	61.3	
67 Styrene	104	11.551	11.557	-0.006	82	1167111	60.5	
68 Bromoform	173	11.807	11.807	0.0	98	233995	53.5	
69 Isopropylbenzene	105	12.050	12.050	0.0	97	1816634	71.0	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	98	447115	51.6	
70 Bromobenzene	156	12.482	12.476	0.006	94	459020	60.0	
72 1,2,3-Trichloropropane	75	12.531	12.525	0.006	86	601813	56.8	
73 trans-1,4-Dichloro-2-butene	53	12.543	12.543	0.0	57	181777	55.8	
74 N-Propylbenzene	91	12.628	12.634	-0.006	98	2289534	69.1	
75 2-Chlorotoluene	91	12.756	12.756	0.0	97	1385952	65.3	
76 1,3,5-Trimethylbenzene	105	12.884	12.890	-0.006	22	1587857	66.2	M
77 4-Chlorotoluene	91	12.908	12.908	0.0	92	1633379	65.0	
78 tert-Butylbenzene	119	13.352	13.352	0.0	92	1367384	71.5	
80 1,2,4-Trimethylbenzene	105	13.419	13.425	-0.006	47	1646550	69.2	
81 sec-Butylbenzene	105	13.668	13.668	0.0	96	1982908	71.1	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	96	857416	60.8	
79 4-Isopropyltoluene	119	13.881	13.881	0.0	96	1665445	70.0	
83 1,4-Dichlorobenzene	146	13.954	13.954	0.0	92	873066	58.5	
84 n-Butylbenzene	91	14.477	14.477	0.0	97	1528528	69.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	90	787990	56.9	
86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	61	85015	51.8	
87 1,2,4-Trichlorobenzene	180	16.868	16.868	0.0	94	513317	63.5	
88 Hexachlorobutadiene	225	17.124	17.130	-0.006	97	360630	62.0	
89 Naphthalene	128	17.227	17.227	0.0	99	1074211	55.9	
90 1,2,3-Trichlorobenzene	180	17.586	17.592	-0.006	94	503216	58.8	
S 91 Xylenes, Total	100				0		200.9	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:08:12 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8114.D
Injection Date: 08-Mar-2011 18:36:30 Limit Group: VMS - 8260 VOA Calibration
Client ID: Instrument ID: VMSA
Lims Batch ID: 77032 Lims Sample ID: 12
Operator ID: WH
Y Scaling:



Report Date: 09-Mar-2011 04:08:12 Chrom Revision: 1.2 17-Feb-2011 18:05:56

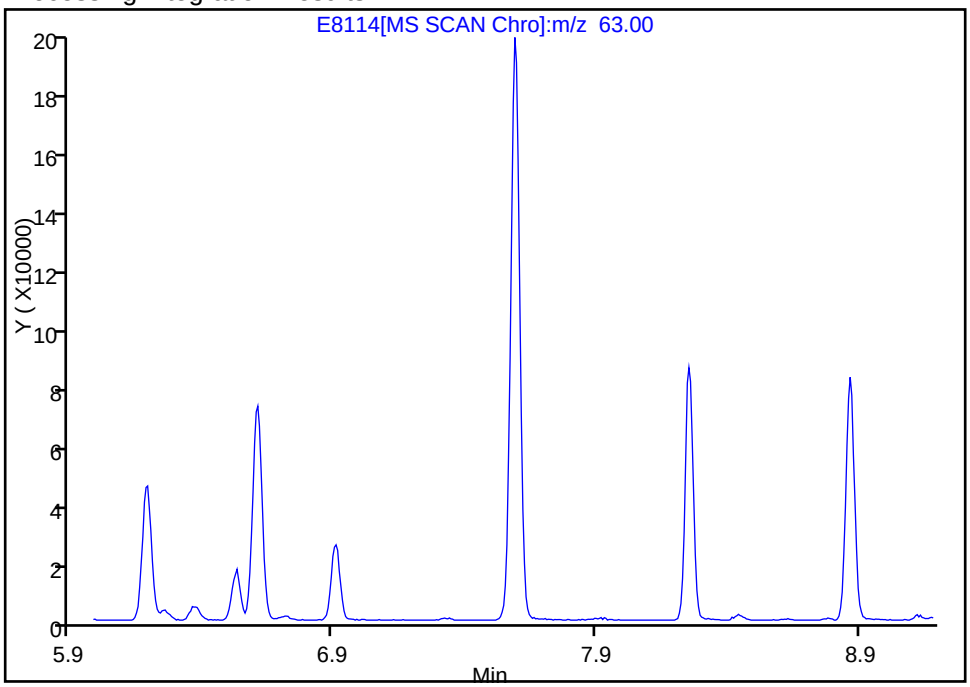
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8114.D		
Injection Date:	08-Mar-2011 18:36:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	12
Operator ID:	WH		

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

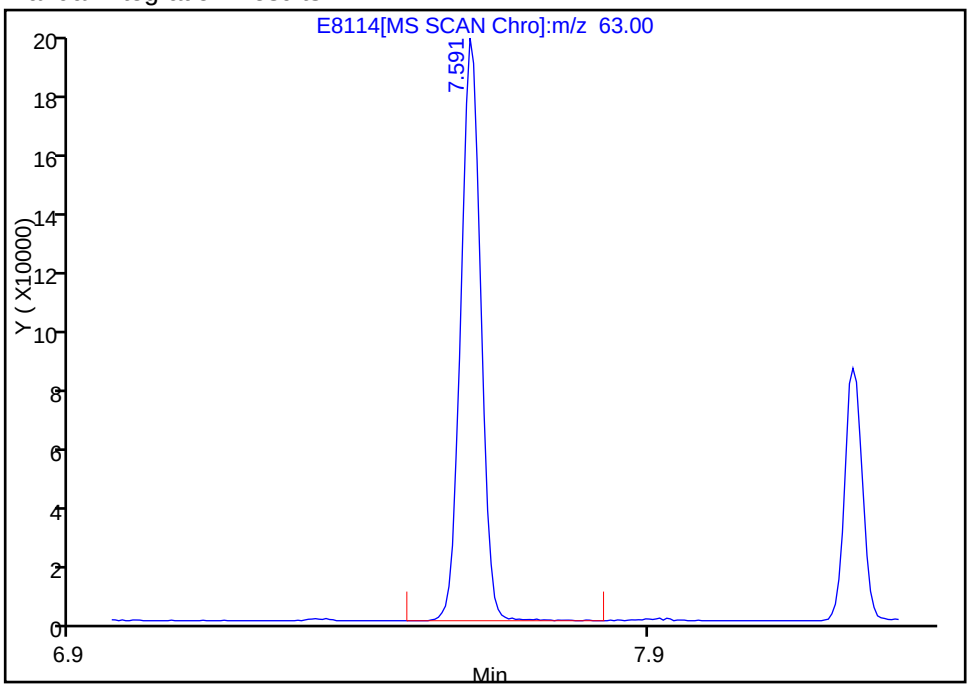
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 470507
Amount: 59.529744



Reviewer: hobartw, 09-Mar-2011 04:08:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 04:08:12 Chrom Revision: 1.2 17-Feb-2011 18:05:56

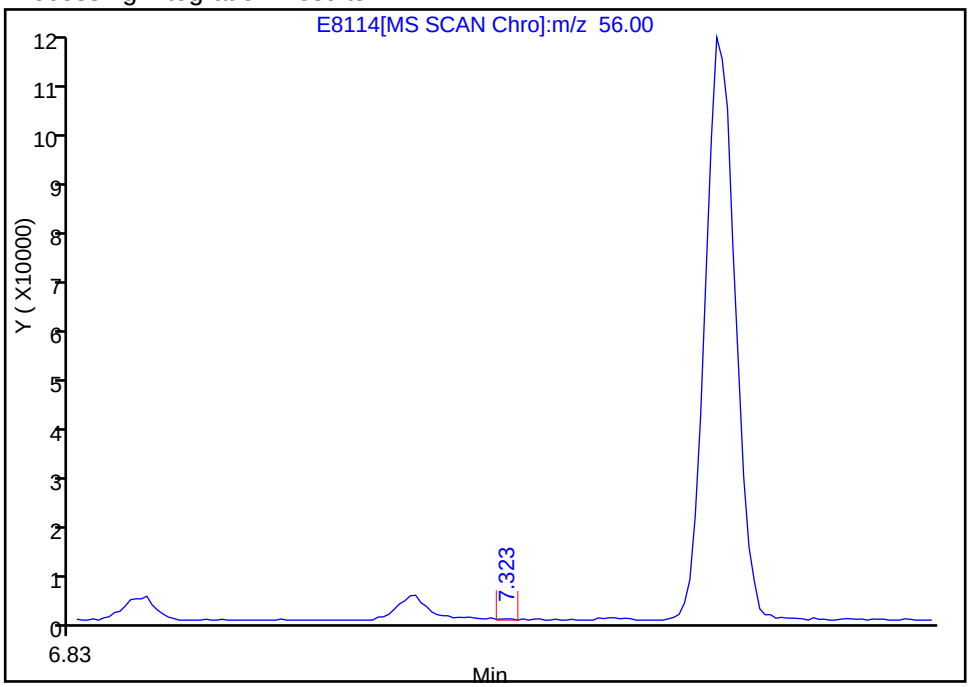
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8114.D		
Injection Date:	08-Mar-2011 18:36:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	12
Operator ID:	WH		

102 n-Butanol, Signal: 1, m/z: 56.0 Type: quant, RT: 7.31

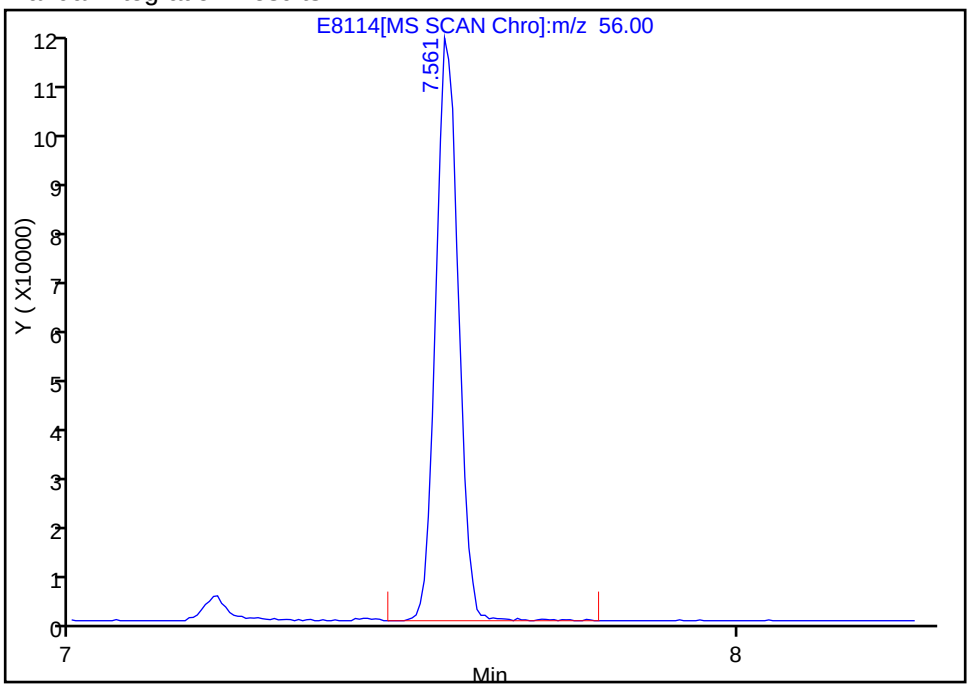
Processing Integration Results

RT: 7.32
Response: 301
Amount: 0.956248



Manual Integration Results

RT: 7.56
Response: 262230
Amount: 833.0798



Reviewer: hobartw, 09-Mar-2011 04:08:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 09-Mar-2011 04:08:12 Chrom Revision: 1.2 17-Feb-2011 18:05:56

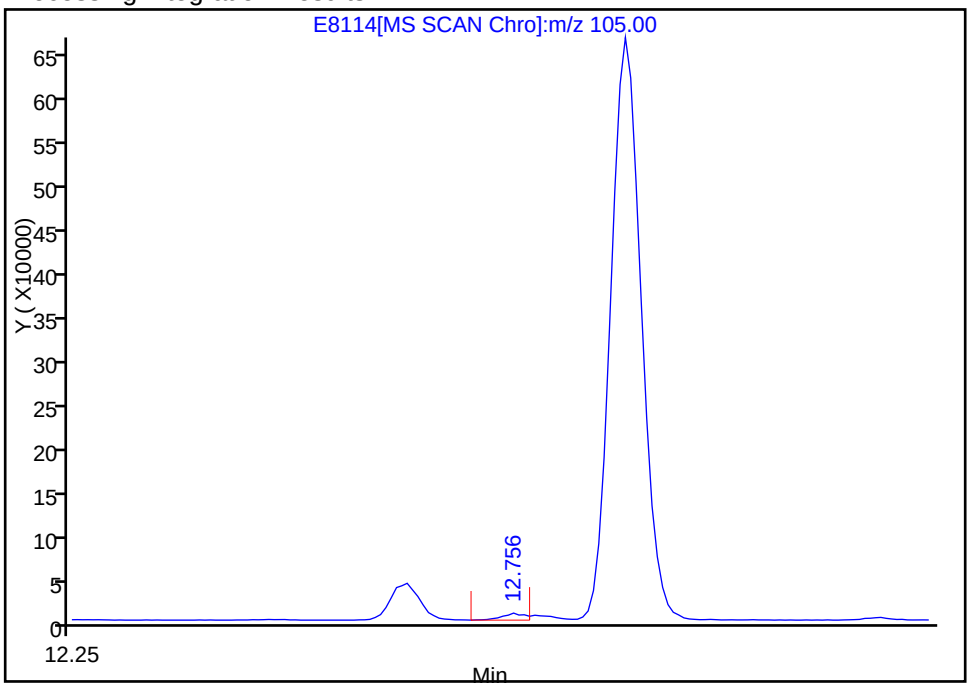
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8114.D		
Injection Date:	08-Mar-2011 18:36:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	12
Operator ID:	WH		

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.89

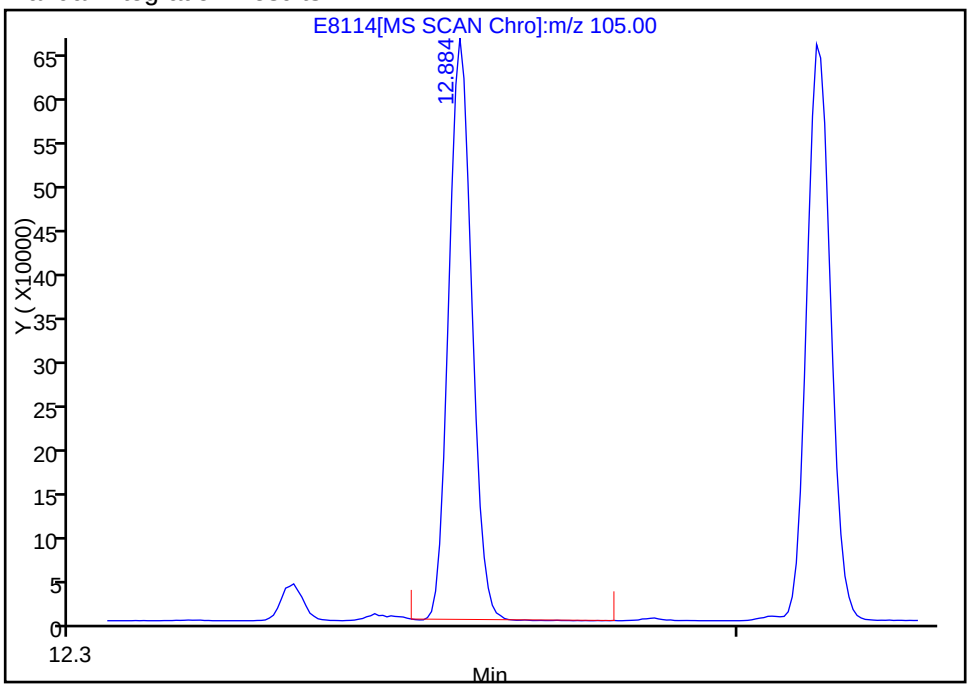
Processing Integration Results

RT: 12.76
Response: 14639
Amount: 0.610573



Manual Integration Results

RT: 12.88
Response: 1587857
Amount: 66.227431



Reviewer: hobartw, 09-Mar-2011 04:08:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 510-77114/14

Matrix: Water Lab File ID: A6493.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 40(mL) Date Analyzed: 03/09/2011 20:14

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.: 77114 Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
74-83-9	Bromomethane	0.0485		0.010	0.0010
67-64-1	Acetone	0.0704		0.010	0.0030
75-15-0	Carbon disulfide	0.0561		0.0050	0.00090
75-00-3	Chloroethane	0.0552		0.010	0.00065
74-87-3	Chloromethane	0.0435		0.010	0.00050
75-35-4	1,1-Dichlorethylene	0.0562		0.0050	0.00078
156-59-2	cis-1,2-Dichloroethylene	0.0541		0.0050	0.00050
67-66-3	Chloroform	0.0509		0.0050	0.00054
75-34-3	1,1-Dichloroethane	0.0512		0.0050	0.00050
110-82-7	Cyclohexane	0.0529		0.0050	0.00082
107-06-2	1,2-Dichloroethane	0.0512		0.0050	0.00050
56-23-5	Carbon tetrachloride	0.0502		0.0050	0.00050
71-43-2	Benzene	0.0509		0.0050	0.00023
74-88-4	Iodomethane	0.0476		0.0050	0.00067
78-87-5	1,2-Dichloropropane	0.0524		0.0050	0.00050
75-27-4	Bromodichloromethane	0.0517		0.0050	0.00060
79-20-9	Methyl acetate	0.0712		0.0050	0.00060
10061-01-5	cis-1,3-Dichloropropene	0.0525		0.0050	0.00050
108-87-2	Methylcyclohexane	0.0505		0.0050	0.00059
75-09-2	Methylene Chloride	0.0473		0.0050	0.00050
78-93-3	Methyl ethyl ketone (MEK)	0.0694		0.010	0.0023
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0539		0.010	0.00054
1634-04-4	Methyl tert-butyl ether	0.0613		0.0050	0.00050
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0661		0.010	0.00065
71-36-3	n-Butanol	<0.10		0.10	0.060
124-48-1	Chlorodibromomethane	0.0530		0.0050	0.00050
110-54-3	n-Hexane	0.0545		0.0050	0.0011
106-93-4	1,2-Dibromoethane	0.0508		0.0050	0.00053
108-90-7	Chlorobenzene	0.0542		0.0050	0.00050
630-20-6	1,1,1,2-Tetrachloroethane	0.0520		0.0050	0.00072
100-41-4	Ethylbenzene	0.0542		0.0050	0.00069
127-18-4	Tetrachloroethylene	0.0518		0.0050	0.00024
108-88-3	Toluene	0.0510		0.0050	0.00050
100-42-5	Styrene	0.0544		0.0050	0.00050
75-25-2	Bromoform	0.0520		0.0050	0.00086
156-60-5	trans-1,2-Dichloroethylene	0.0532		0.0050	0.00067

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77114/14

Matrix: Water | Lab File ID: A6493.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 40(mL) | Date Analyzed: 03/09/2011 20:14

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.: 77114 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
98-82-8	Isopropylbenzene	0.0535		0.0050	0.00050
10061-02-6	trans-1,3-Dichloropropene	0.0536		0.0050	0.00050
71-55-6	1,1,1-Trichloroethane	0.0524		0.0050	0.00065
79-34-5	1,1,2,2-Tetrachloroethane	0.0535		0.0050	0.0010
79-00-5	1,1,2-Trichloroethane	0.0535		0.0050	0.00052
103-65-1	n-Propylbenzene	0.0542		0.0050	0.00072
79-01-6	Trichloroethene	0.0515		0.0050	0.00050
75-69-4	Trichlorofluoromethane	0.0511		0.0050	0.00050
95-63-6	1,2,4-Trimethylbenzene	0.0551		0.0050	0.00050
108-67-8	1,3,5-Trimethylbenzene	0.0524		0.0050	0.00050
108-05-4	Vinyl acetate	0.0981		0.0050	0.0011
542-75-6	1,3-Dichloropropene, Total	0.106		0.010	0.00064
75-01-4	Vinyl chloride	0.0476		0.0020	0.00050
1330-20-7	Xylenes, Total	0.161		0.010	0.0020

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	104		81-126
2037-26-5	Toluene-d8 (Surr)	99		89-108
460-00-4	4-Bromofluorobenzene (Surr)	102		77-132

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6493.D
Lims ID: LCS Client ID:
Inject. Date: 09-Mar-2011 20:14:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.: 510-0004502-014 =510-0004502-014
Operator: JLH Instrument ID: VMSB
Vol. Injected: 1.0000 ALS Bottle#: 1
Lims Batch ID: 77114 Lims Sample ID: 14
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSB\20110309-4502.b\VMSB-8260.m
Last Update: 09-Mar-2011 20:36:48 Calib Date: 09-Mar-2011 19:38:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6492.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB1

First Level Reviewer: hallj Date: 09-Mar-2011 20:36:48

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
* 1 Fluorobenzene	96	5.613	5.611	0.002	98	261254	50.0	
* 2 Chlorobenzene-d5	82	8.807	8.805	0.002	88	124598	50.0	
* 3 1,4-Dichlorobenzene-d4	152	11.545	11.548	-0.003	98	89166	50.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	5.267	5.270	-0.003	0	124310	52.2	
$ 7 Toluene-d8 (Surr)	98	7.232	7.229	0.003	93	266684	49.6	
$ 8 4-Bromofluorobenzene (Surr)	95	10.164	10.161	0.003	80	110107	51.0	
12 Dichlorodifluoromethane	85	1.434	1.438	-0.004	99	124806	45.3	
13 Chloromethane	50	1.598	1.602	-0.004	98	75872	43.5	
14 Vinyl chloride	62	1.696	1.693	0.003	81	75760	47.6	
15 Bromomethane	94	2.000	1.997	0.003	92	50860	48.5	
16 Chloroethane	64	2.097	2.095	0.002	98	45760	55.2	
17 Trichlorofluoromethane	101	2.347	2.344	0.003	76	162625	51.1	
20 1,1-Dichloroethene	61	2.827	2.831	-0.004	94	133121	56.2	
22 Acetone	43	2.870	2.873	-0.003	100	43554	70.4	
23 Iodomethane	142	2.973	2.991	-0.018	94	40478	47.6	
24 Carbon disulfide	76	3.034	3.038	-0.004	99	174544	56.1	
25 Methyl acetate	43	3.186	3.190	-0.004	98	73342	71.2	
26 Methylene Chloride	84	3.283	3.281	0.002	95	71391	47.3	
27 2-Methyl-2-propanol	59	3.381	3.384	-0.003	97	22489	213.2	
28 Acrylonitrile	53	3.502	3.506	-0.004	95	25866	57.5	
29 trans-1,2-Dichloroethene	61	3.545	3.543	0.002	64	122228	53.2	
30 Methyl tert-butyl ether	73	3.545	3.549	-0.004	97	246295	61.3	
31 Hexane	57	3.813	3.810	0.003	94	41838	54.5	
32 1,1-Dichloroethane	63	3.934	3.938	-0.004	97	134609	51.2	
33 Vinyl acetate	43	3.983	3.987	-0.004	99	345345	98.1	M
34 Isopropyl ether	45	4.013	4.014	-0.001	1	250749	57.0	M
35 Tert-butyl ethyl ether	59	4.354	4.358	-0.004	97	242295	56.0	
36 cis-1,2-Dichloroethene	61	4.488	4.485	0.003	85	140550	54.1	
37 2,2-Dichloropropane	77	4.488	4.488	0.0	69	129090	55.1	
38 2-Butanone (MEK)	43	4.494	4.494	0.0	47	42631	69.4	
39 Propionitrile	54	4.543	4.537	0.006	94	8186	49.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
40 Chlorobromomethane	130	4.713	4.717	-0.004	93	54000	54.6	
41 Tetrahydrofuran	42	4.762	4.765	-0.003	85	17803	57.0	
42 Chloroform	83	4.792	4.790	0.002	79	168595	50.9	
43 1,1,1-Trichloroethane	97	4.981	4.978	0.003	99	150741	52.4	
44 Cyclohexane	56	5.042	5.039	0.003	92	69040	52.9	
46 1,1-Dichloropropene	75	5.139	5.142	-0.003	92	101201	53.9	
45 Carbon tetrachloride	117	5.145	5.142	0.003	97	112462	50.2	
47 Benzene	78	5.340	5.343	-0.003	96	269147	50.9	
48 1,2-Dichloroethane	62	5.346	5.343	0.003	75	165763	51.2	
50 Isobutyl alcohol	41	5.449	5.453	-0.004	42	33809	54.1	
49 Tert-amyl methyl ether	73	5.449	5.453	-0.004	95	219292	56.1	
51 Trichloroethene	132	5.978	5.976	0.002	95	77844	51.5	
52 Methylcyclohexane	83	6.185	6.183	0.002	80	60541	50.5	
53 1,2-Dichloropropane	63	6.197	6.195	0.002	71	68042	52.4	
54 Dibromomethane	93	6.313	6.311	0.003	95	51272	52.2	
55 Dichlorobromomethane	83	6.477	6.475	0.002	97	120381	51.7	
56 2-Chloroethyl vinyl ether	63	6.788	6.785	0.003	95	39490	104.0	
60 cis-1,3-Dichloropropene	75	6.940	6.937	0.003	89	116716	52.5	
58 4-Methyl-2-pentanone (MIBK)	43	7.098	7.101	-0.003	95	66381	53.9	
59 Toluene	91	7.305	7.302	0.003	94	289102	51.0	
57 trans-1,3-Dichloropropene	75	7.524	7.521	0.003	97	118148	53.6	
61 Ethyl methacrylate	69	7.633	7.637	-0.004	87	94136	55.5	
62 1,1,2-Trichloroethane	83	7.718	7.722	-0.004	97	58009	53.5	
63 Tetrachloroethene	166	7.895	7.892	0.003	77	62327	51.8	
64 1,3-Dichloropropane	76	7.907	7.904	0.003	97	120081	54.3	
65 2-Hexanone	43	7.998	8.002	-0.004	98	55991	66.1	
66 Chlorodibromomethane	129	8.156	8.154	0.002	88	78432	53.0	
67 Ethylene Dibromide	107	8.284	8.282	0.002	97	73019	50.8	
68 Chlorobenzene	112	8.838	8.835	0.003	96	194603	54.2	
69 1,1,1,2-Tetrachloroethane	131	8.929	8.926	0.003	91	74205	52.0	
70 Ethylbenzene	91	8.972	8.969	0.003	98	301878	54.2	
71 m-Xylene & p-Xylene	91	9.105	9.109	-0.004	0	474670	106.0	
72 o-Xylene	91	9.562	9.559	0.003	95	260909	55.2	
73 Styrene	104	9.574	9.577	-0.003	89	194306	54.4	
74 Bromoform	173	9.775	9.772	0.003	93	42435	52.0	
75 Isopropylbenzene	105	9.994	9.997	-0.003	98	249472	53.5	
76 1,1,2,2-Tetrachloroethane	83	10.334	10.332	0.002	67	76464	53.5	
77 Bromobenzene	77	10.340	10.338	0.002	96	128464	50.4	
78 1,2,3-Trichloropropane	75	10.383	10.380	0.003	59	93436	54.7	
79 trans-1,4-Dichloro-2-butene	53	10.401	10.405	-0.004	62	27422	53.9	
80 N-Propylbenzene	91	10.480	10.484	-0.004	99	284329	54.2	
81 2-Chlorotoluene	91	10.571	10.575	-0.004	97	196855	51.0	
82 1,3,5-Trimethylbenzene	105	10.699	10.697	0.002	87	213986	52.4	
83 4-Chlorotoluene	91	10.705	10.703	0.002	90	244983	54.6	
84 tert-Butylbenzene	119	11.082	11.080	0.002	90	171736	51.5	
85 1,2,4-Trimethylbenzene	105	11.143	11.141	0.002	60	233185	55.1	
86 sec-Butylbenzene	105	11.350	11.354	-0.004	96	231159	53.2	
87 1,3-Dichlorobenzene	146	11.466	11.469	-0.003	94	122474	51.7	
88 4-Isopropyltoluene	119	11.527	11.530	-0.003	97	204199	53.0	
89 1,4-Dichlorobenzene	146	11.575	11.573	0.002	89	128764	50.2	
91 1,2-Dichlorobenzene	146	12.019	12.023	-0.004	85	125418	53.0	
90 n-Butylbenzene	91	12.025	12.023	0.002	98	172005	50.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/L	Flags
92 1,2-Dibromo-3-Chloropropane	157	12.968	12.966	0.002	57	12158	59.1	
93 1,2,4-Trichlorobenzene	180	13.996	14.000	-0.004	89	53024	46.8	
94 Hexachlorobutadiene	225	14.228	14.225	0.003	94	35808	50.9	
95 Naphthalene	128	14.295	14.292	0.003	99	107725	55.1	
96 1,2,3-Trichlorobenzene	180	14.593	14.596	-0.003	95	37904	48.9	
S 98 Xylenes, Total	100				0		161.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 20:36:48 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSB\20110309-4502.b\A6493.D

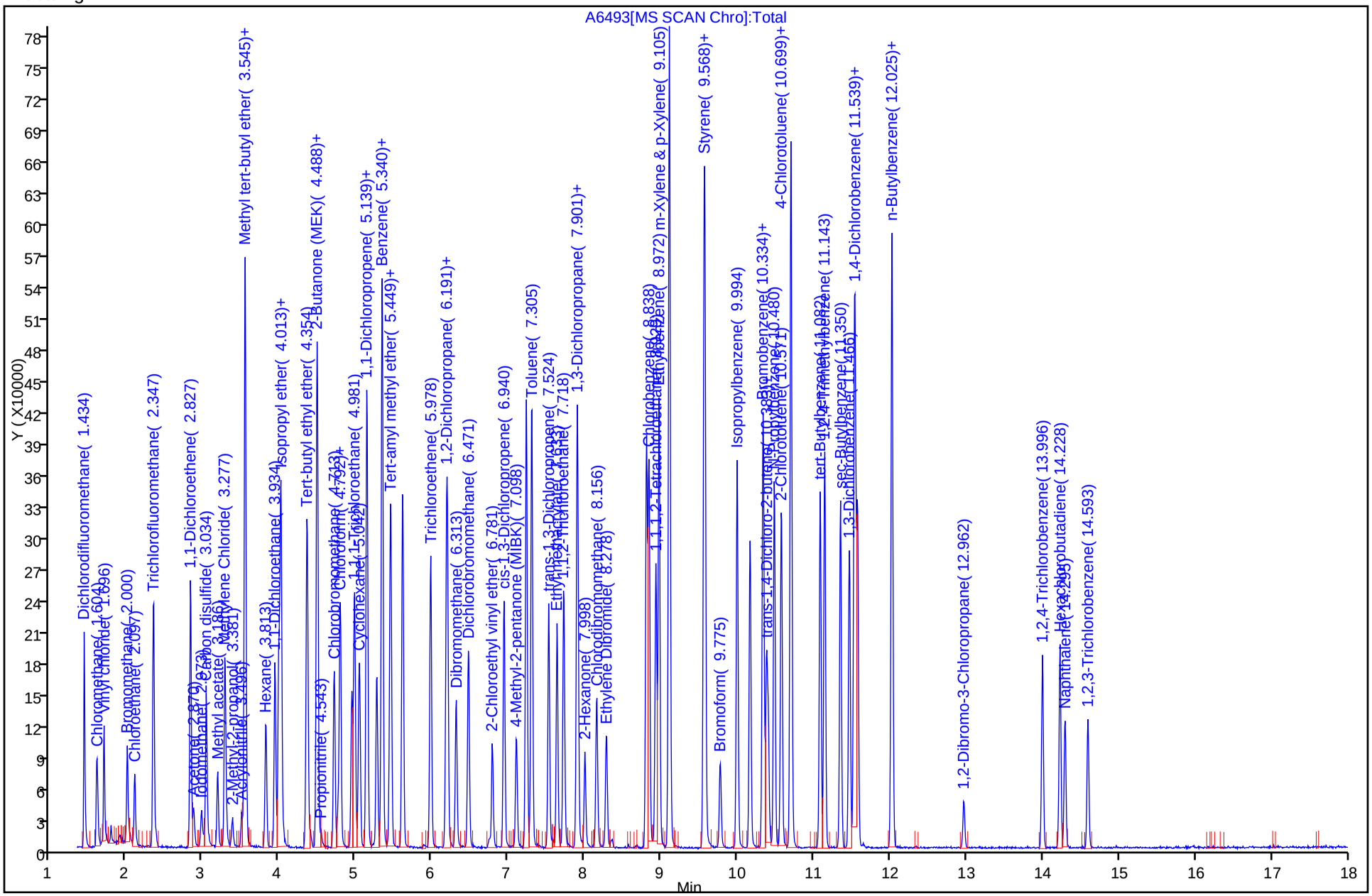
Injection Date: 09-Mar-2011 20:14:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: Instrument ID: VMSB

Lims Batch ID: 77114 Lims Sample ID: 14

Operator ID: JLH

Y Scaling:



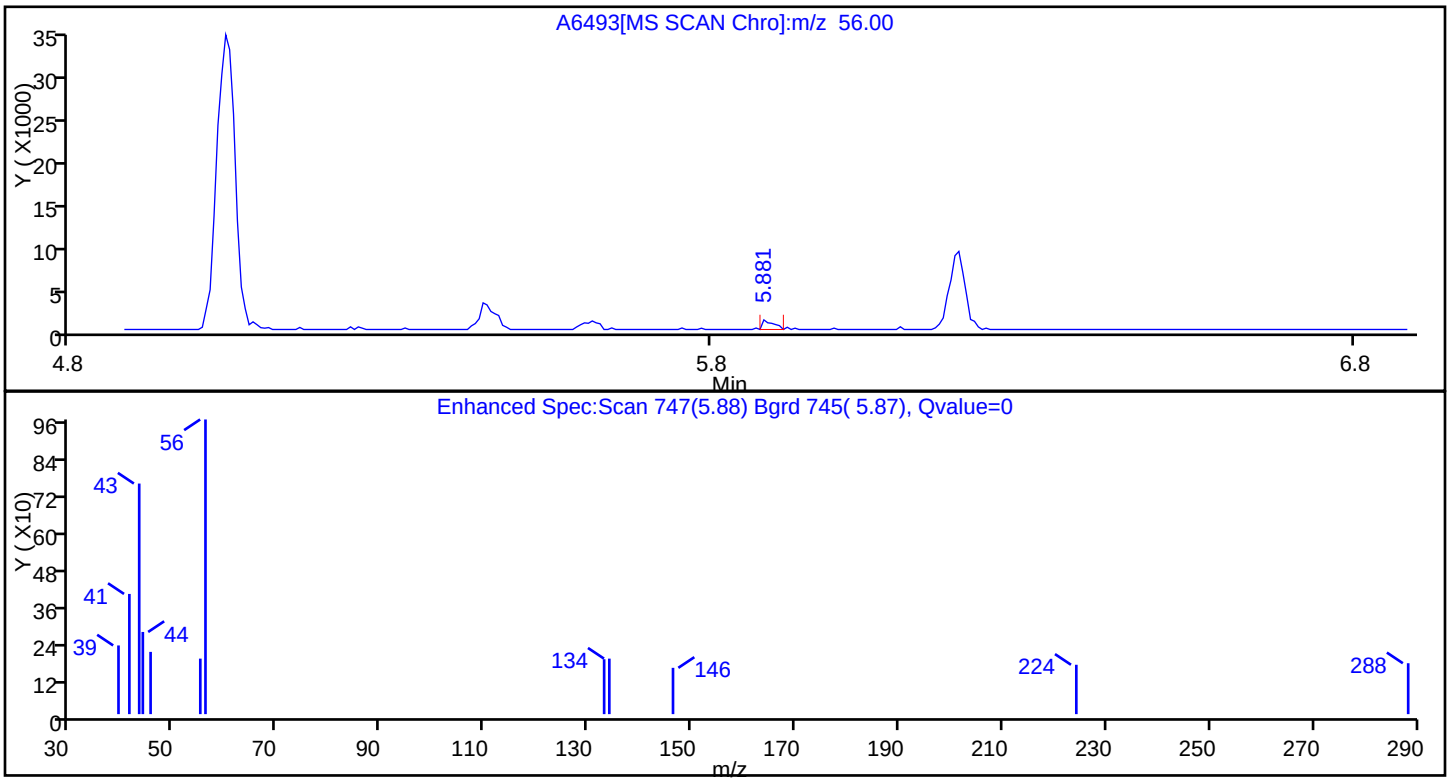
Report Date: 09-Mar-2011 20:36:48 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6493.D		
Injection Date:	09-Mar-2011 20:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	14
Operator ID:	JLH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
5.88	56.00	1343	156.5282
5.89	41.00	826	
5.88	43.00	364	

Reviewer: hallj, 09-Mar-2011 20:36:48
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 20:36:48 Chrom Revision: 1.2 17-Feb-2011 18:05:56

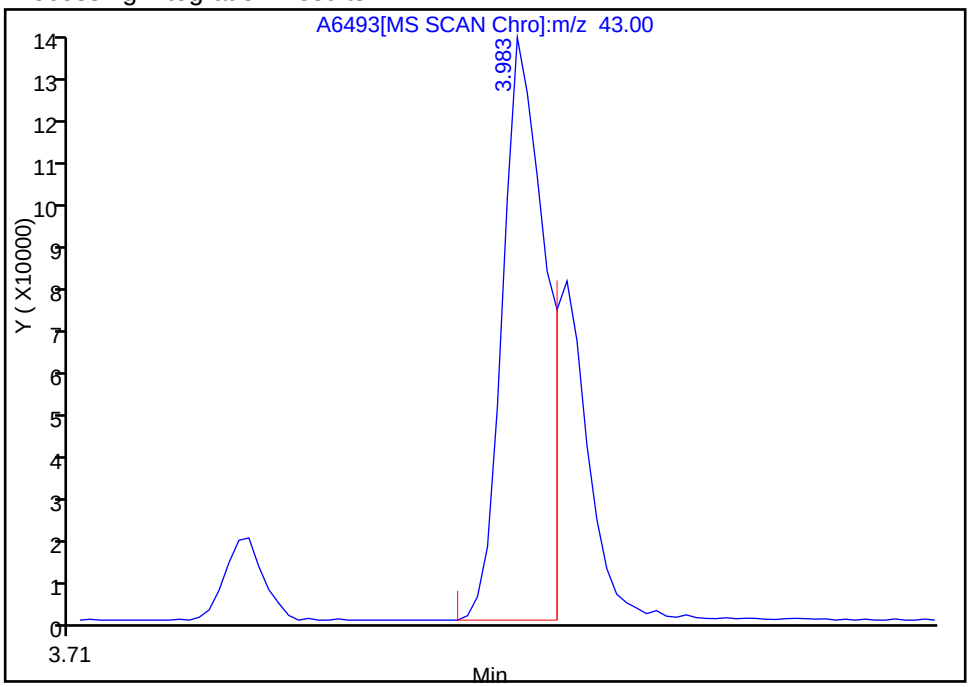
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSB\20110309-4502.b\A6493.D		
Injection Date:	09-Mar-2011 20:14:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:		Instrument ID:	VMSB
Lims Batch ID:	77114	Lims Sample ID:	14
Operator ID:	JLH		

33 Vinyl acetate, Signal: 1, m/z: 43.0 Type: quant, RT: 3.99

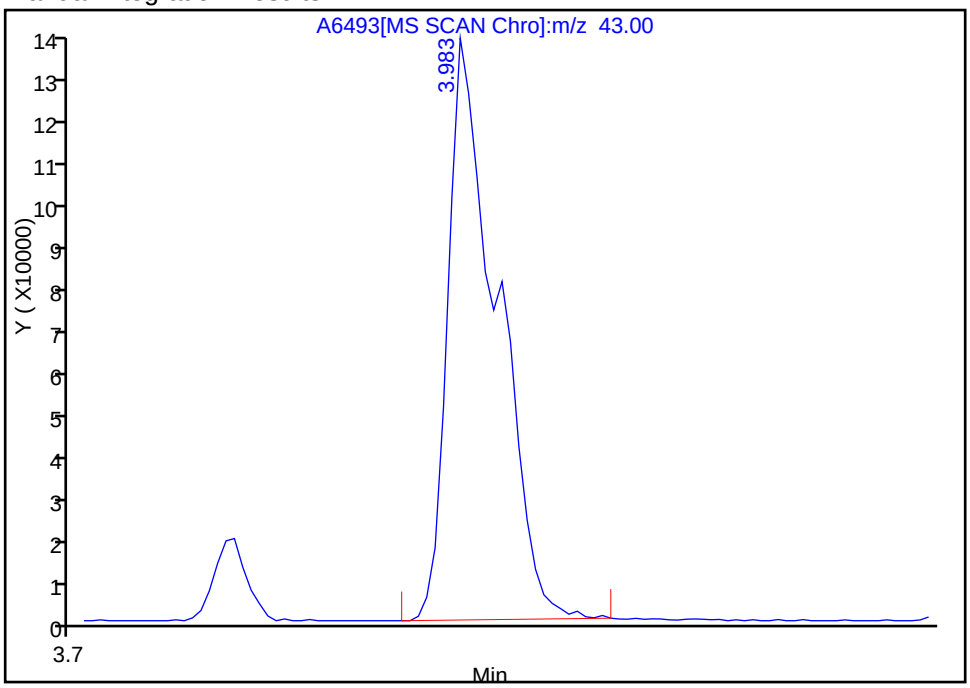
Processing Integration Results

RT: 3.98
Response: 257998
Amount: 73.282837



Manual Integration Results

RT: 3.98
Response: 345345
Amount: 98.093246



Reviewer: hallj, 09-Mar-2011 20:36:48
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: E8117.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 32.007(g) | Date Analyzed: 03/08/2011 20:20

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.0924		0.013	0.0026
107-02-8	Acrolein	<0.26		0.26	0.0032
71-43-2	Benzene	0.0813		0.0066	0.0015
75-27-4	Bromodichloromethane	0.0709		0.0066	0.00067
75-25-2	Bromoform	0.0658		0.0066	0.0019
74-83-9	Bromomethane	0.0738		0.0066	0.0023
75-15-0	Carbon disulfide	0.0717		0.0066	0.0017
56-23-5	Carbon tetrachloride	0.0823		0.0066	0.0015
108-90-7	Chlorobenzene	0.0661		0.0066	0.00088
124-48-1	Chlorodibromomethane	0.0671		0.0066	0.00066
75-00-3	Chloroethane	0.0852		0.0066	0.0022
67-66-3	Chloroform	0.0730		0.0066	0.0014
74-87-3	Chloromethane	0.0671		0.0066	0.0019
156-59-2	cis-1,2-Dichloroethylene	0.0759		0.0066	0.0015
10061-01-5	cis-1,3-Dichloropropene	0.0715		0.0066	0.00066
110-82-7	Cyclohexane	0.0957		0.0066	0.0021
106-93-4	1,2-Dibromoethane	0.0677		0.0066	0.00066
75-35-4	1,1-Dichlorethylene	0.0796		0.0066	0.0023
75-34-3	1,1-Dichloroethane	0.0735		0.0066	0.0021
107-06-2	1,2-Dichloroethane	0.0693		0.0066	0.0013
78-87-5	1,2-Dichloropropane	0.0732		0.0066	0.0011
542-75-6	1,3-Dichloropropene, Total	0.144		0.013	
141-78-6	Ethyl acetate	0.0433		0.0066	0.0014
100-41-4	Ethylbenzene	0.0774		0.0066	0.0010
74-88-4	Iodomethane	0.134		0.013	0.0048
98-82-8	Isopropylbenzene	0.0809		0.0066	0.00097
79-20-9	Methyl acetate	0.0527		0.0066	0.00097
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0710		0.013	0.0010
108-87-2	Methylcyclohexane	0.0889		0.0066	0.0016
75-09-2	Methylene Chloride	0.0610		0.0066	0.0017
78-93-3	Methyl ethyl ketone (MEK)	0.0721		0.013	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0765		0.013	0.00066
1634-04-4	Methyl tert-butyl ether	0.0770		0.0066	0.0011
71-36-3	n-Butanol	<0.13		0.13	0.020
110-54-3	n-Hexane	0.0958		0.0066	0.0026
103-65-1	n-Propylbenzene	0.0735		0.0066	0.0026

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: E8117.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 32.007(g) | Date Analyzed: 03/08/2011 20:20

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	0.0548		0.0066	0.00089
630-20-6	1,1,1,2-Tetrachloroethane	0.0700		0.0066	0.00091
79-34-5	1,1,2,2-Tetrachloroethane	0.0636		0.0066	0.0015
127-18-4	Tetrachloroethylene	0.0765		0.0066	0.0014
108-88-3	Toluene	0.0739		0.0066	0.0015
156-60-5	trans-1,2-Dichloroethylene	0.0751		0.0066	0.0022
10061-02-6	trans-1,3-Dichloropropene	0.0726		0.0066	0.00066
71-55-6	1,1,1-Trichloroethane	0.0792		0.0066	0.0015
79-00-5	1,1,2-Trichloroethane	0.0666		0.0066	0.00092
79-01-6	Trichloroethene	0.0714		0.0066	0.0015
75-69-4	Trichlorofluoromethane	0.0780		0.0066	0.0023
95-63-6	1,2,4-Trimethylbenzene	0.0696		0.0066	0.0026
108-67-8	1,3,5-Trimethylbenzene	0.0696		0.0066	0.00097
108-05-4	Vinyl acetate	0.0897		0.0066	0.0017
75-01-4	Vinyl chloride	0.0632		0.0066	0.0030
1330-20-7	Xylenes, Total	0.224		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)	110		76-137
2037-26-5	Toluene-d8 (Surr)	98		70-130

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D		
Lims ID:	510-62781-E-1-B MS	Client ID:	SB0058:TP1:000020
Inject. Date:	08-Mar-2011 20:20:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	510-62781-E-1-B MS		
Misc. Info.:	510-0004493-015 =510-0004493-015		
Operator:	WH	Instrument ID:	VMSA
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	77032	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m		
Last Update:	08-Mar-2011 17:05:40	Calib Date:	08-Mar-2011 16:19:30
Quant Method:	Internal/External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D		
Limit Group:	VMS - 8260 VOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-VMS-LAB2		
First Level Reviewer: hobartw		Date:	09-Mar-2011 04:12:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	97	1340618	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	942164	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	96	571194	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.532	6.520	0.012	0	510004	54.9	
$ 100 BFB	95	7.329	7.159	0.170	0	389354	0	
$ 6 Toluene-d8 (Surr)	98	8.783	8.783	0.0	95	1265909	49.2	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	543699	49.9	
8 Dichlorodifluoromethane	85	2.061	2.037	0.024	87	552860	71.7	
9 Chloromethane	50	2.268	2.244	0.024	88	446902	50.7	
10 Vinyl chloride	62	2.402	2.390	0.012	81	392851	47.7	
11 Bromomethane	94	2.779	2.730	0.049	94	144803	55.7	
12 Chloroethane	64	2.901	2.925	-0.024	99	261970	64.3	
13 Trichlorofluoromethane	101	3.186	3.071	0.115	77	608574	58.9	
16 1,1-Dichloroethene	96	3.752	3.716	0.036	91	274027	60.1	
18 Acetone	58	3.807	3.801	0.006	99	76893	69.7	
19 Iodomethane	142	3.916	3.886	0.030	97	167677	101.3	
20 Carbon disulfide	76	3.996	3.959	0.037	100	773301	54.2	
21 Methyl acetate	43	4.154	4.142	0.012	98	302508	39.8	
22 Methylene Chloride	84	4.263	4.245	0.018	99	289988	46.1	
24 Acrylonitrile	53	4.519	4.507	0.012	100	151721	46.0	
25 trans-1,2-Dichloroethene	96	4.561	4.537	0.024	62	297176	56.7	
26 Methyl tert-butyl ether	73	4.561	4.549	0.012	98	944871	58.2	
23 2-Methyl-2-propanol	59	4.385	4.616	-0.231	22	215918	182.3	M
27 Hexane	57	4.847	4.829	0.018	94	574429	72.4	
28 1,1-Dichloroethane	63	5.005	4.987	0.018	82	605044	55.5	
29 Vinyl acetate	43	5.060	5.042	0.018	99	1193858	67.7	
30 Isopropyl ether	45	5.072	5.067	0.006	87	1214752	56.7	
31 Tert-butyl ethyl ether	59	5.462	5.456	0.006	96	1123256	63.7	
32 cis-1,2-Dichloroethene	96	5.632	5.620	0.012	82	421772	57.3	
33 2,2-Dichloropropane	77	5.638	5.620	0.018	77	614604	64.7	
34 2-Butanone (MEK)	72	5.644	5.638	0.006	74	77755	54.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
105 Ethyl acetate	43	5.644	5.693	-0.049	0	357993	32.7	
93 Propionitrile	54	5.711	5.705	0.006	0	77348	48.4	
35 Chlorobromomethane	130	5.894	5.882	0.012	90	229330	51.5	
95 Tetrahydrofuran	42	5.954	5.948	0.006	0	187933	54.1	
36 Chloroform	83	5.973	5.961	0.012	66	699314	55.1	
37 1,1,1-Trichloroethane	97	6.192	6.174	0.018	98	634483	59.8	
38 Cyclohexane	84	6.259	6.247	0.012	94	662460	72.2	
39 1,1-Dichloropropene	75	6.368	6.356	0.012	92	596302	65.9	
40 Carbon tetrachloride	117	6.380	6.368	0.012	87	569072	62.1	
41 Benzene	78	6.605	6.593	0.012	95	1576658	61.4	
42 1,2-Dichloroethane	62	6.618	6.605	0.013	67	633044	52.3	
44 Tert-amyl methyl ether	73	6.715	6.709	0.006	90	999902	58.3	
43 Isobutyl alcohol	41	6.715	6.709	0.006	45	209735	56.2	
45 Trichloroethene	132	7.329	7.323	0.006	89	359100	53.9	
46 Methylcyclohexane	83	7.567	7.555	0.013	94	748470	67.2	
47 1,2-Dichloropropane	63	7.597	7.585	0.012	0	442316	55.3	M
48 Dibromomethane	93	7.731	7.725	0.006	96	219637	51.2	
49 Dichlorobromomethane	83	7.907	7.901	0.006	99	496985	53.5	
54 cis-1,3-Dichloropropene	75	8.449	8.443	0.006	92	533154	54.0	
52 4-Methyl-2-pentanone (MIBK)	43	8.631	8.625	0.006	98	574569	57.7	
53 Toluene	91	8.868	8.869	-0.001	94	1544007	55.8	
51 trans-1,3-Dichloropropene	75	9.130	9.124	0.006	97	503417	54.8	
55 Ethyl methacrylate	69	9.233	9.234	-0.001	86	594940	55.1	
56 1,1,2-Trichloroethane	83	9.367	9.361	0.006	90	280723	50.3	
57 Tetrachloroethene	164	9.568	9.568	0.0	88	322708	57.8	
58 1,3-Dichloropropane	76	9.586	9.580	0.006	96	622925	53.5	
59 2-Hexanone	43	9.678	9.684	-0.006	98	431354	53.6	
60 Chlorodibromomethane	129	9.878	9.878	0.0	89	318801	50.7	
61 Ethylene Dibromide	107	10.036	10.037	-0.001	100	311585	51.1	
62 Chlorobenzene	112	10.687	10.687	0.0	95	889110	49.9	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	85	347012	52.9	
64 Ethylbenzene	91	10.833	10.833	0.0	99	1728704	58.4	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	2583750	116.9	
66 o-Xylene	91	11.539	11.539	0.0	92	1341299	52.2	
67 Styrene	104	11.551	11.557	-0.006	82	810661	41.4	
68 Bromoform	173	11.813	11.807	0.006	98	220772	49.7	
69 Isopropylbenzene	105	12.050	12.050	0.0	97	1585882	61.1	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	97	450028	48.0	
70 Bromobenzene	156	12.482	12.476	0.006	95	377776	45.7	
72 1,2,3-Trichloropropane	75	12.531	12.525	0.006	86	594597	51.9	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.543	-0.006	54	184390	52.3	
74 N-Propylbenzene	91	12.628	12.634	-0.006	98	1986896	55.5	
75 2-Chlorotoluene	91	12.756	12.756	0.0	97	1159943	50.6	
76 1,3,5-Trimethylbenzene	105	12.884	12.890	-0.006	22	1362680	52.6	M
77 4-Chlorotoluene	91	12.908	12.908	0.0	92	1330705	49.0	
78 tert-Butylbenzene	119	13.352	13.352	0.0	92	1210740	58.6	
80 1,2,4-Trimethylbenzene	105	13.425	13.425	0.0	59	1387123	52.5	
81 sec-Butylbenzene	105	13.668	13.668	0.0	96	1740449	57.7	
82 1,3-Dichlorobenzene	146	13.826	13.827	-0.001	96	674946	44.3	
79 4-Isopropyltoluene	119	13.881	13.881	0.0	96	1441464	56.0	
83 1,4-Dichlorobenzene	146	13.954	13.954	0.0	93	675560	41.9	
84 n-Butylbenzene	91	14.477	14.477	0.0	97	1281580	54.1	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	91	623062	41.6	
	86 1,2-Dibromo-3-Chloropropane	157	15.633	15.633	0.0	60	92625	52.2	
	87 1,2,4-Trichlorobenzene	180	16.862	16.868	-0.006	92	331990	38.0	
	88 Hexachlorobutadiene	225	17.130	17.130	0.0	96	304111	48.4	
	89 Naphthalene	128	17.227	17.227	0.0	100	673270	32.4	
	90 1,2,3-Trichlorobenzene	180	17.592	17.592	0.0	95	325103	35.2	
S	92 Total 1,2-dichloroethene	100				0		114.0	
S	91 Xylenes, Total	100				0		169.1	

QC Flag Legend

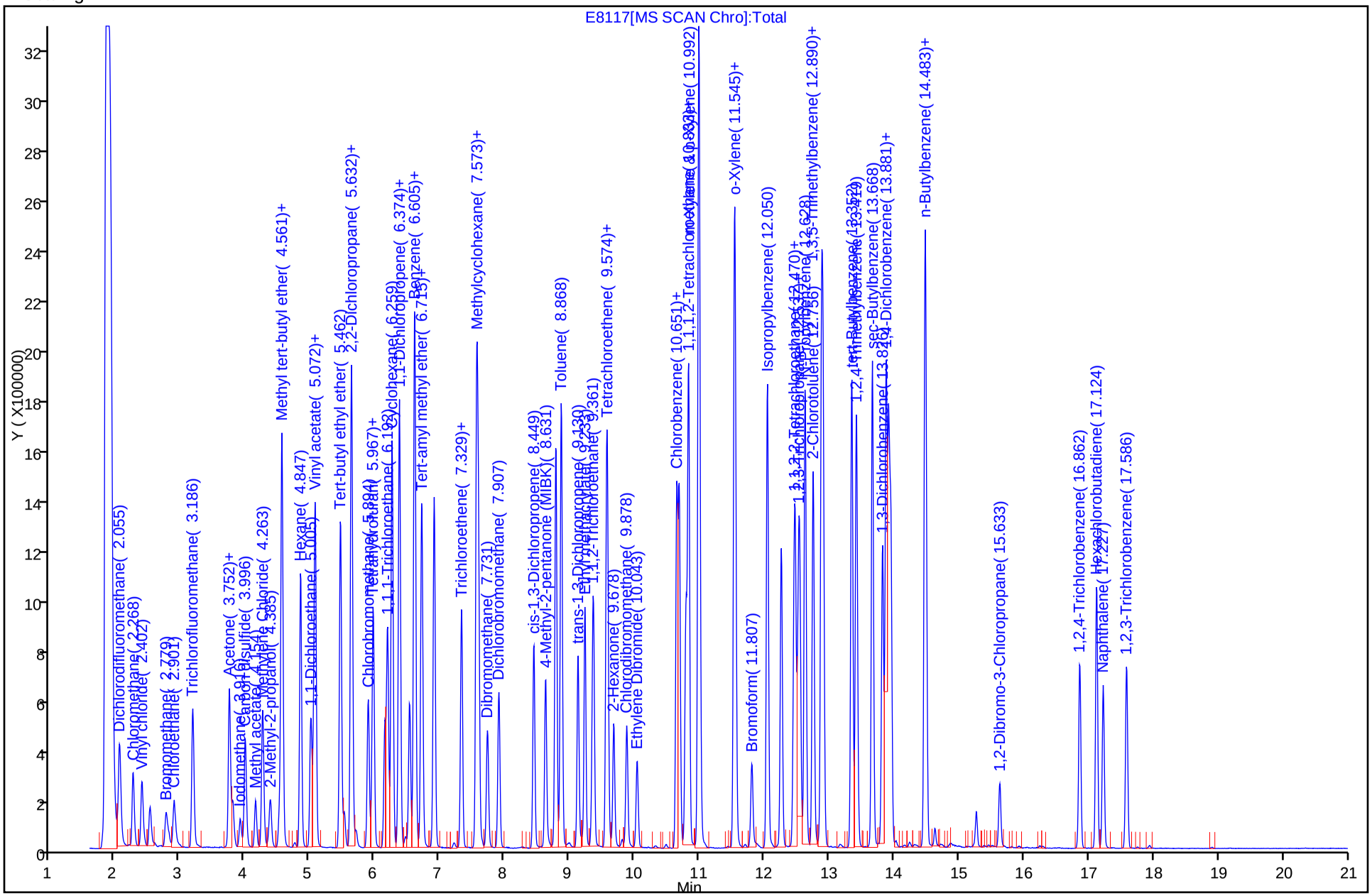
Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:12:33 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D

Injection Date:	08-Mar-2011 20:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	15
Operator ID:	WH		

Y Scaling:

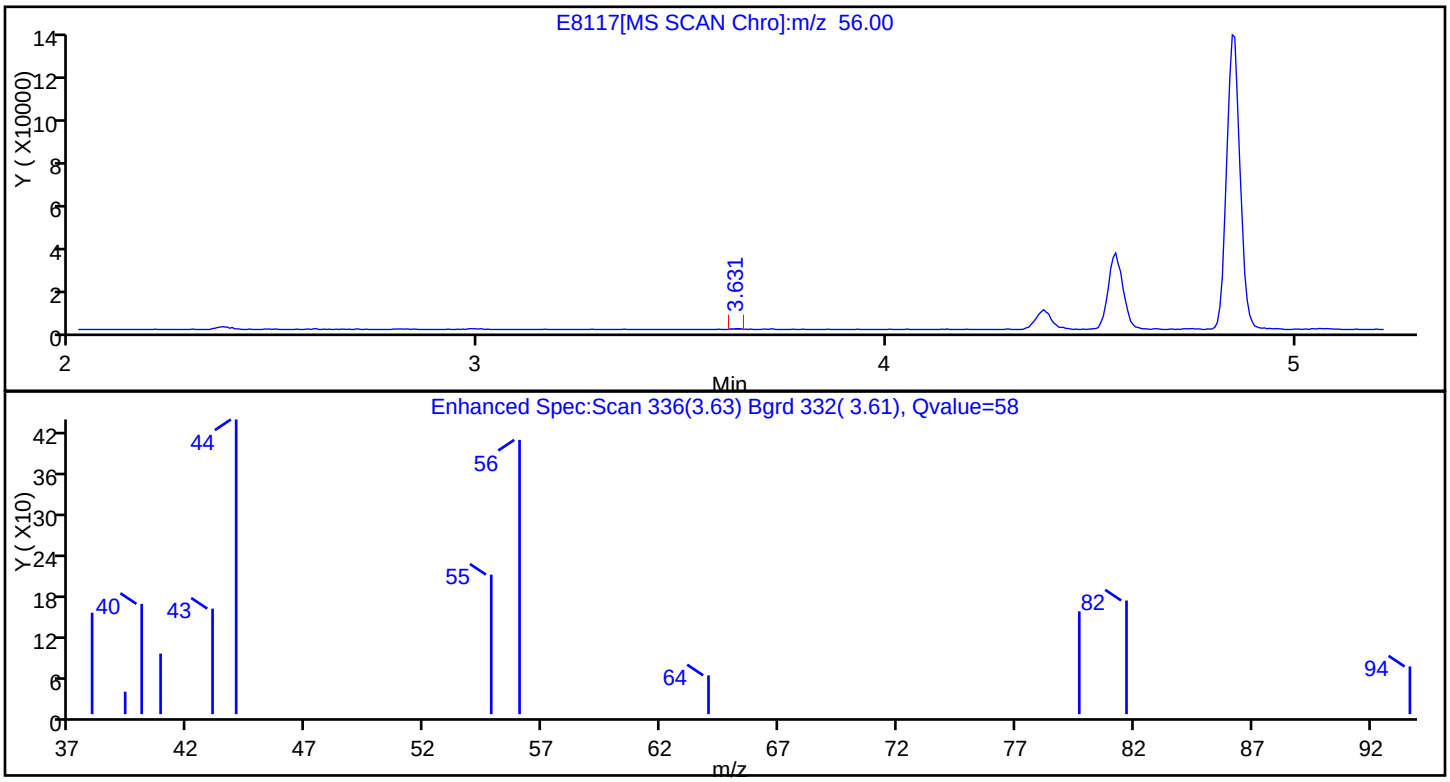


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D		
Injection Date:	08-Mar-2011 20:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	15
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.63	56.00	607	0.902751
3.62	55.00	2124	

Reviewer: hobartw, 09-Mar-2011 04:11:29
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:12:33 Chrom Revision: 1.2 17-Feb-2011 18:05:56

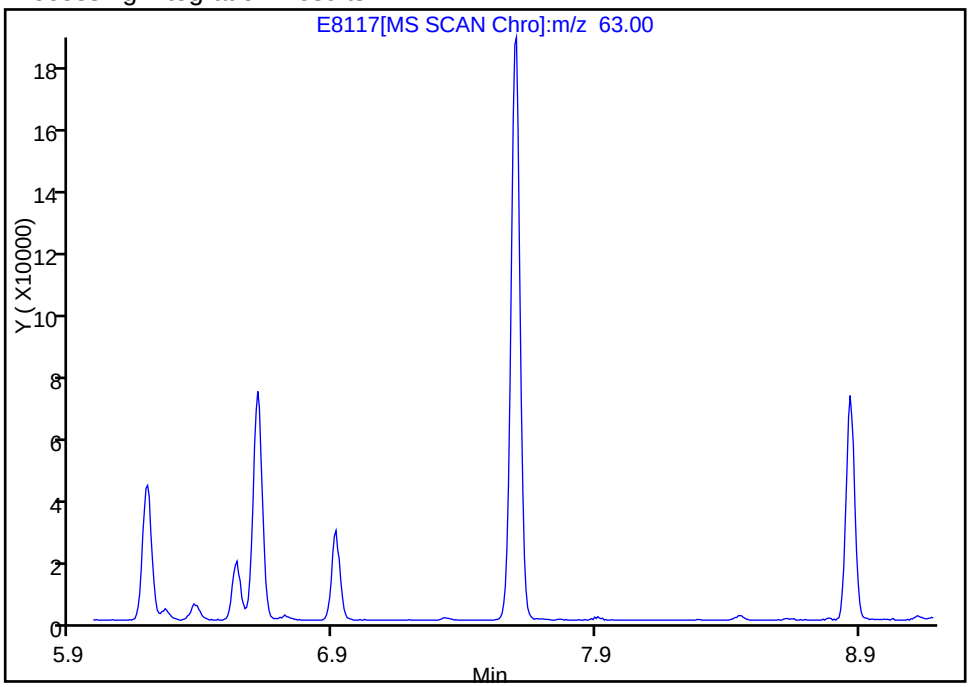
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D		
Injection Date:	08-Mar-2011 20:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	15
Operator ID:	WH		

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

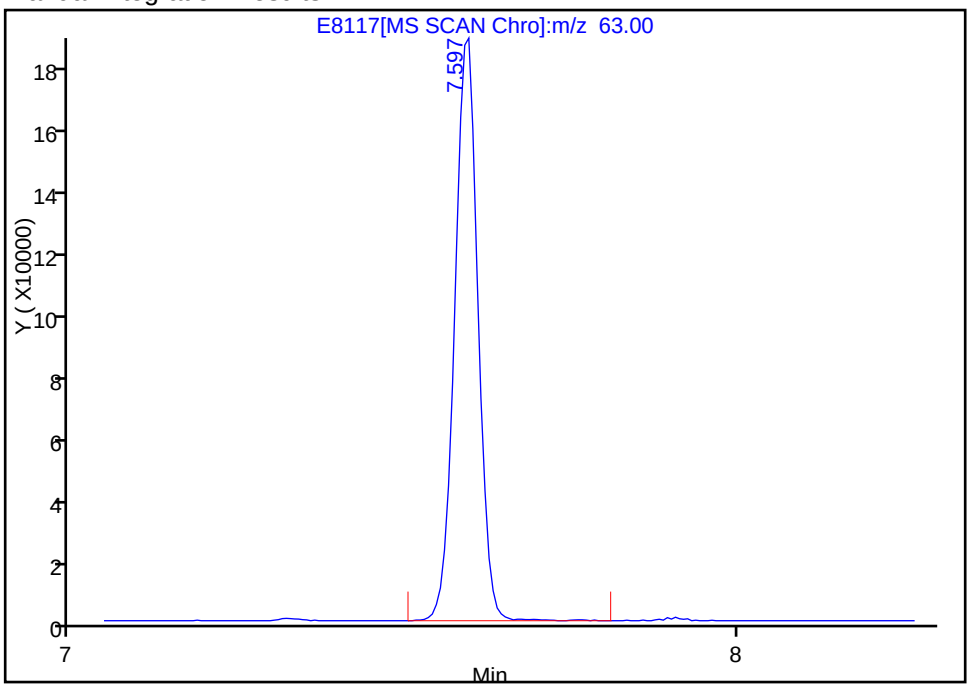
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.60
Response: 442316
Amount: 55.276799



Reviewer: hobartw, 09-Mar-2011 04:11:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

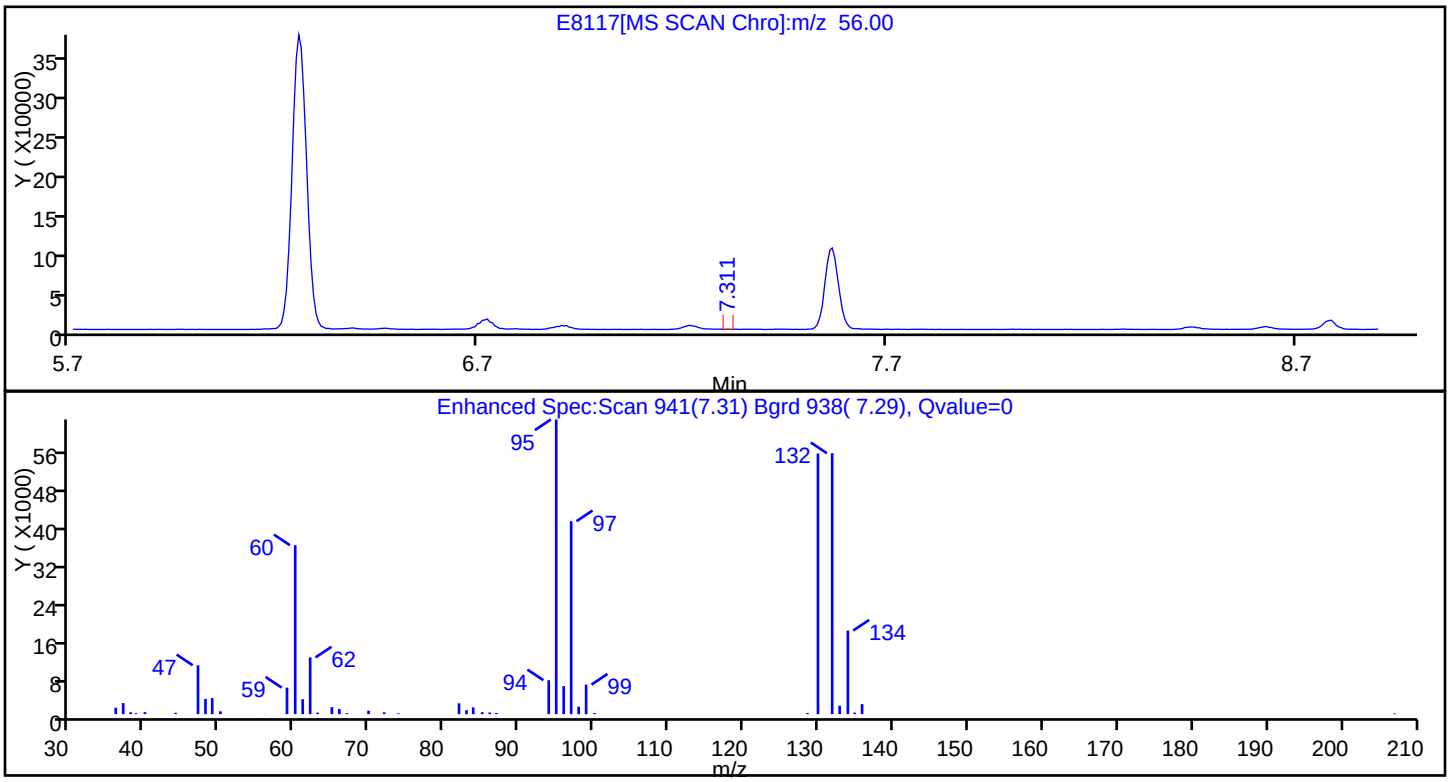
Report Date: 09-Mar-2011 04:12:33 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D		
Injection Date:	08-Mar-2011 20:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	15
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.31	56.00	430	1.349320
7.31	41.00	574	
7.31	43.00	216	

Reviewer: hobartw, 09-Mar-2011 04:11:29

Audit Action: Marked Compound Undetected

Audit Reason:

Report Date: 09-Mar-2011 04:12:33 Chrom Revision: 1.2 17-Feb-2011 18:05:56

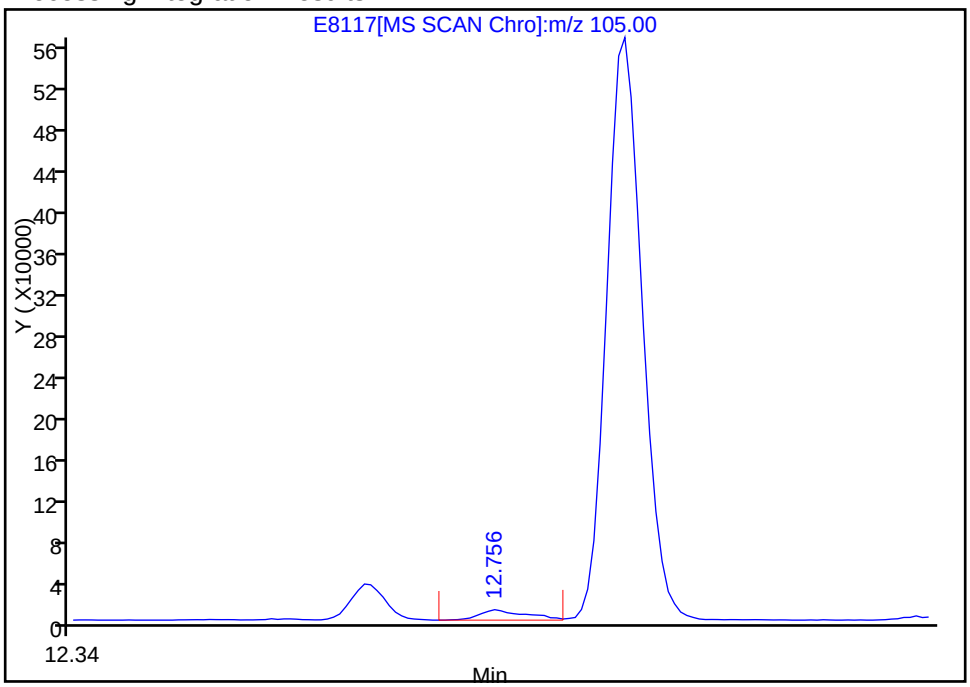
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8117.D		
Injection Date:	08-Mar-2011 20:20:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	15
Operator ID:	WH		

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.89

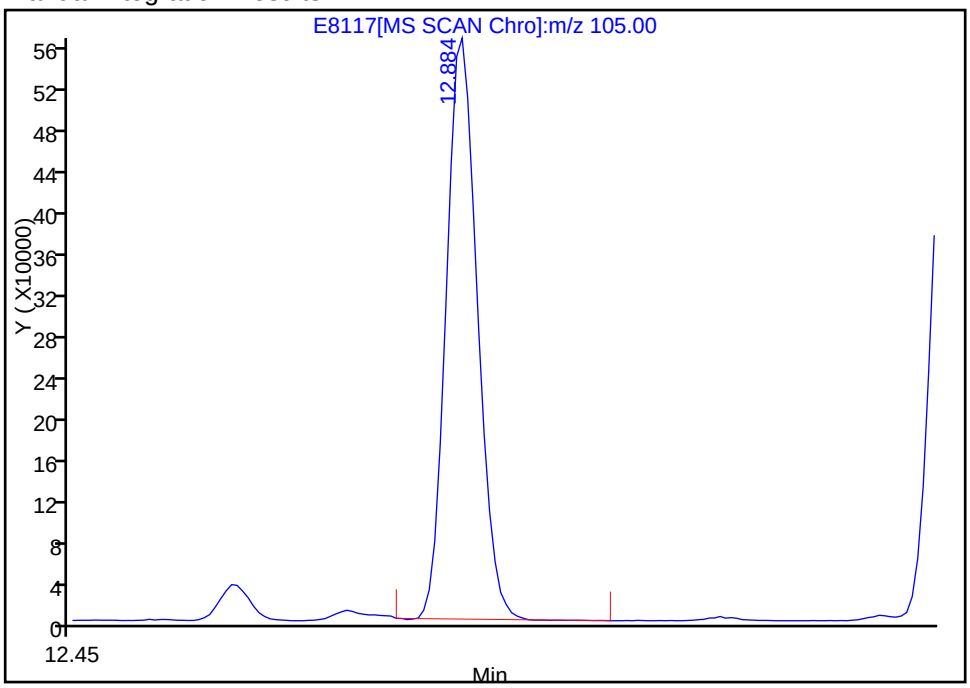
Processing Integration Results

RT: 12.76
Response: 32154
Amount: 1.240536



Manual Integration Results

RT: 12.88
Response: 1362680
Amount: 52.573676



Reviewer: hobartw, 09-Mar-2011 04:12:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: E8118.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 32.429(g) | Date Analyzed: 03/08/2011 20:54

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.101		0.014	0.0027
107-02-8	Acrolein	<0.27		0.27	0.0033
71-43-2	Benzene	0.0798		0.0068	0.0015
75-27-4	Bromodichloromethane	0.0696		0.0068	0.00068
75-25-2	Bromoform	0.0664		0.0068	0.0019
74-83-9	Bromomethane	0.0869		0.0068	0.0024
75-15-0	Carbon disulfide	0.0727		0.0068	0.0017
56-23-5	Carbon tetrachloride	0.0786		0.0068	0.0015
108-90-7	Chlorobenzene	0.0648		0.0068	0.00090
124-48-1	Chlorodibromomethane	0.0662		0.0068	0.00068
75-00-3	Chloroethane	0.0963		0.0068	0.0022
67-66-3	Chloroform	0.0712		0.0068	0.0014
74-87-3	Chloromethane	0.0881		0.0068	0.0019
156-59-2	cis-1,2-Dichloroethylene	0.0746		0.0068	0.0016
10061-01-5	cis-1,3-Dichloropropene	0.0716		0.0068	0.00068
110-82-7	Cyclohexane	0.0931		0.0068	0.0021
106-93-4	1,2-Dibromoethane	0.0672		0.0068	0.00068
75-35-4	1,1-Dichlorethylene	0.0788		0.0068	0.0024
75-34-3	1,1-Dichloroethane	0.0731		0.0068	0.0022
107-06-2	1,2-Dichloroethane	0.0673		0.0068	0.0013
78-87-5	1,2-Dichloropropane	0.0718		0.0068	0.0012
542-75-6	1,3-Dichloropropene, Total	0.143		0.014	
141-78-6	Ethyl acetate	0.0431		0.0068	0.0014
100-41-4	Ethylbenzene	0.0761		0.0068	0.0010
74-88-4	Iodomethane	0.134		0.014	0.0049
98-82-8	Isopropylbenzene	0.0795		0.0068	0.0010
79-20-9	Methyl acetate	0.0542		0.0068	0.00099
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.0705		0.014	0.0011
108-87-2	Methylcyclohexane	0.0873		0.0068	0.0016
75-09-2	Methylene Chloride	0.0602		0.0068	0.0017
78-93-3	Methyl ethyl ketone (MEK)	0.0720		0.014	0.0011
108-10-1	4-Methyl-2-pentanone (MIBK)	0.0767		0.014	0.00068
1634-04-4	Methyl tert-butyl ether	0.0759		0.0068	0.0012
71-36-3	n-Butanol	<0.14		0.14	0.020
110-54-3	n-Hexane	0.0944		0.0068	0.0027
103-65-1	n-Propylbenzene	0.0709		0.0068	0.0027

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: E8118.D

Analysis Method: 8260B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 32.429(g) | Date Analyzed: 03/08/2011 20:54

Soil Aliquot Vol: | Dilution Factor: 1

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

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 77032 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-42-5	Styrene	0.0542		0.0068	0.00091
630-20-6	1,1,1,2-Tetrachloroethane	0.0668		0.0068	0.00093
79-34-5	1,1,2,2-Tetrachloroethane	0.0623		0.0068	0.0015
127-18-4	Tetrachloroethylene	0.0754		0.0068	0.0015
108-88-3	Toluene	0.0728		0.0068	0.0015
156-60-5	trans-1,2-Dichloroethylene	0.0758		0.0068	0.0023
10061-02-6	trans-1,3-Dichloropropene	0.0715		0.0068	0.00068
71-55-6	1,1,1-Trichloroethane	0.0775		0.0068	0.0015
79-00-5	1,1,2-Trichloroethane	0.0668		0.0068	0.00093
79-01-6	Trichloroethene	0.0708		0.0068	0.0016
75-69-4	Trichlorofluoromethane	0.0794		0.0068	0.0024
95-63-6	1,2,4-Trimethylbenzene	0.0667		0.0068	0.0027
108-67-8	1,3,5-Trimethylbenzene	0.0667		0.0068	0.0010
108-05-4	Vinyl acetate	0.0884		0.0068	0.0017
75-01-4	Vinyl chloride	0.0701		0.0068	0.0030
1330-20-7	Xylenes, Total	0.222		0.014	0.0028

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene (Surr)	100		50-150
17060-07-0	1,2-Dichloroethane-d4 (Surr)	107		76-137
2037-26-5	Toluene-d8 (Surr)	100		70-130

Report Date: 09-Mar-2011 04:12:17 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D
Lims ID: 510-62781-E-1-C MSD Client ID: SB0058:TP1:000020
Inject. Date: 08-Mar-2011 20:54:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 510-62781-E-1-C MSD
Misc. Info.: 510-0004493-016 =510-0004493-016
Operator: WH Instrument ID: VMSA
Vol. Injected: 1.0000 ALS Bottle#: 16
Lims Batch ID: 77032 Lims Sample ID: 16
Detector: MS SCAN

Method: \\valsvr08\ChromData\VMSA\20110308-4493.b\8260-SO-VMSA-E.m
Last Update: 08-Mar-2011 17:05:40 Calib Date: 08-Mar-2011 16:19:30
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8110.D
Limit Group: VMS - 8260 VOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-VMS-LAB2

First Level Reviewer: hobartw Date: 09-Mar-2011 04:12:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
* 1 Fluorobenzene	96	6.910	6.897	0.013	97	1396685	50.0	
* 2 Chlorobenzene-d5	117	10.651	10.651	0.0	90	996752	50.0	
* 3 1,4-Dichlorobenzene-d4	152	13.918	13.924	-0.006	97	611669	50.0	
$ 5 1,2-Dichloroethane-d4 (Surr)	65	6.527	6.520	0.007	0	515516	53.3	
$ 100 BFB	95	7.330	7.159	0.171	0	386366	0	
$ 6 Toluene-d8 (Surr)	98	8.784	8.783	0.001	83	1336201	49.8	
$ 7 4-Bromofluorobenzene (Surr)	95	12.263	12.263	0.0	85	582549	50.0	
8 Dichlorodifluoromethane	85	2.049	2.037	0.012	87	591755	73.6	
9 Chloromethane	50	2.262	2.244	0.018	100	598597	65.1	
10 Vinyl chloride	62	2.396	2.390	0.006	99	448471	51.8	
11 Bromomethane	94	2.767	2.730	0.037	93	173933	64.2	
12 Chloroethane	64	2.889	2.925	-0.036	98	293901	71.2	
13 Trichlorofluoromethane	101	3.181	3.071	0.110	78	631849	58.7	
16 1,1-Dichloroethene	96	3.747	3.716	0.031	82	276958	58.3	
18 Acetone	58	3.795	3.801	-0.006	99	85949	75.0	
19 Iodomethane	142	3.917	3.886	0.031	98	170331	98.8	
20 Carbon disulfide	76	3.990	3.959	0.031	99	799839	53.8	
21 Methyl acetate	43	4.148	4.142	0.006	99	317441	40.1	
22 Methylene Chloride	84	4.258	4.245	0.013	97	293320	44.5	
24 Acrylonitrile	53	4.513	4.507	0.006	99	160255	46.7	
25 trans-1,2-Dichloroethene	96	4.556	4.537	0.019	63	305946	56.0	
26 Methyl tert-butyl ether	73	4.556	4.549	0.007	98	949361	56.1	
23 2-Methyl-2-propanol	59	4.373	4.616	-0.243	23	240217	194.6	M
27 Hexane	57	4.848	4.829	0.019	95	577454	69.8	
28 1,1-Dichloroethane	63	5.006	4.987	0.019	82	614264	54.1	
29 Vinyl acetate	43	5.061	5.042	0.019	89	1201268	65.4	
30 Isopropyl ether	45	5.067	5.067	0.001	87	1234744	55.3	
31 Tert-butyl ethyl ether	59	5.462	5.456	0.006	96	962216	52.4	
32 cis-1,2-Dichloroethene	96	5.626	5.620	0.006	93	422734	55.2	
33 2,2-Dichloropropane	77	5.632	5.620	0.012	75	601660	60.8	
34 2-Butanone (MEK)	72	5.639	5.638	0.001	71	79262	53.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
105 Ethyl acetate	43	5.632	5.693	-0.061	0	364135	31.9	
93 Propionitrile	54	5.699	5.705	-0.006	0	80327	46.9	
35 Chlorobromomethane	130	5.888	5.882	0.006	90	229459	49.4	
95 Tetrahydrofuran	42	5.949	5.948	0.001	0	195806	52.6	
36 Chloroform	83	5.967	5.961	0.006	67	696565	52.7	
37 1,1,1-Trichloroethane	97	6.186	6.174	0.012	97	633207	57.3	
38 Cyclohexane	84	6.259	6.247	0.012	95	657551	68.8	
39 1,1-Dichloropropene	75	6.369	6.356	0.013	91	582142	61.8	
40 Carbon tetrachloride	117	6.375	6.368	0.007	87	554775	58.1	
41 Benzene	78	6.600	6.593	0.007	95	1584366	59.0	
42 1,2-Dichloroethane	62	6.612	6.605	0.007	63	627965	49.8	
44 Tert-amyl methyl ether	73	6.715	6.709	0.006	90	994422	55.7	
43 Isobutyl alcohol	41	6.715	6.709	0.006	45	206328	53.1	
45 Trichloroethene	132	7.330	7.323	0.007	96	363322	52.4	
46 Methylcyclohexane	83	7.567	7.555	0.013	94	749548	64.5	
47 1,2-Dichloropropane	63	7.591	7.585	0.006	0	442633	53.1	M
48 Dibromomethane	93	7.725	7.725	0.0	98	219895	49.2	
49 Dichlorobromomethane	83	7.908	7.901	0.007	98	497750	51.5	
50 2-Chloroethyl vinyl ether	63	8.291	8.254	0.037	1	160	5.61	
54 cis-1,3-Dichloropropene	75	8.443	8.443	0.0	91	544576	52.9	
52 4-Methyl-2-pentanone (MIBK)	43	8.626	8.625	0.001	98	588083	56.7	
53 Toluene	91	8.869	8.869	0.0	95	1557151	53.8	
51 trans-1,3-Dichloropropene	75	9.130	9.124	0.006	97	505581	52.9	
55 Ethyl methacrylate	69	9.234	9.234	0.0	68	604579	53.7	
56 1,1,2-Trichloroethane	83	9.362	9.361	0.001	90	287385	49.4	
57 Tetrachloroethene	164	9.568	9.568	0.0	88	324448	55.8	
58 1,3-Dichloropropane	76	9.587	9.580	0.007	94	630008	52.0	
59 2-Hexanone	43	9.678	9.684	-0.006	99	436967	52.1	
60 Chlorodibromomethane	129	9.879	9.878	0.001	89	320819	48.9	
61 Ethylene Dibromide	107	10.037	10.037	0.0	100	315245	49.7	
62 Chlorobenzene	112	10.688	10.687	0.001	96	902708	47.9	
63 1,1,1,2-Tetrachloroethane	131	10.791	10.791	0.0	86	342803	49.4	
64 Ethylbenzene	91	10.834	10.833	0.001	99	1765998	56.2	
65 m-Xylene & p-Xylene	91	10.992	10.992	0.0	0	2660055	113.3	
66 o-Xylene	91	11.540	11.539	0.001	93	1382903	50.9	
67 Styrene	104	11.558	11.557	0.001	82	830256	40.1	
68 Bromoform	173	11.807	11.807	0.0	99	230579	49.1	
69 Isopropylbenzene	105	12.051	12.050	0.001	97	1614104	58.8	
71 1,1,2,2-Tetrachloroethane	83	12.458	12.458	0.0	96	461869	46.0	
70 Bromobenzene	156	12.476	12.476	0.0	92	388816	43.9	
72 1,2,3-Trichloropropane	75	12.531	12.525	0.006	86	616049	50.2	
73 trans-1,4-Dichloro-2-butene	53	12.537	12.543	-0.006	53	191097	50.6	
74 N-Propylbenzene	91	12.635	12.634	0.001	98	2009446	52.4	
75 2-Chlorotoluene	91	12.756	12.756	0.0	97	1180921	48.1	
76 1,3,5-Trimethylbenzene	105	12.884	12.890	-0.006	22	1369825	49.4	M
77 4-Chlorotoluene	91	12.908	12.908	0.0	92	1352821	46.5	
78 tert-Butylbenzene	119	13.352	13.352	0.0	92	1216524	55.0	
80 1,2,4-Trimethylbenzene	105	13.425	13.425	0.0	47	1403909	49.3	
81 sec-Butylbenzene	105	13.669	13.668	0.001	96	1748802	54.1	
82 1,3-Dichlorobenzene	146	13.827	13.827	0.0	96	692434	42.4	
79 4-Isopropyltoluene	119	13.882	13.881	0.001	96	1439813	52.2	
83 1,4-Dichlorobenzene	146	13.955	13.954	0.001	92	694260	40.2	

	Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/Kg	Flags
	84 n-Butylbenzene	91	14.478	14.477	0.001	97	1274007	50.2	
	85 1,2-Dichlorobenzene	146	14.496	14.496	0.0	89	641318	40.0	
	86 1,2-Dibromo-3-Chloropropane	157	15.634	15.633	0.001	61	93261	49.1	
	87 1,2,4-Trichlorobenzene	180	16.869	16.868	0.001	92	332027	35.5	
	88 Hexachlorobutadiene	225	17.130	17.130	0.0	96	288062	42.8	
	89 Naphthalene	128	17.228	17.227	0.001	99	696732	31.3	
	90 1,2,3-Trichlorobenzene	180	17.586	17.592	-0.006	95	325197	32.8	
S	92 Total 1,2-dichloroethene	100				0		111.2	
S	91 Xylenes, Total	100				0		164.2	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 09-Mar-2011 04:12:17 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D

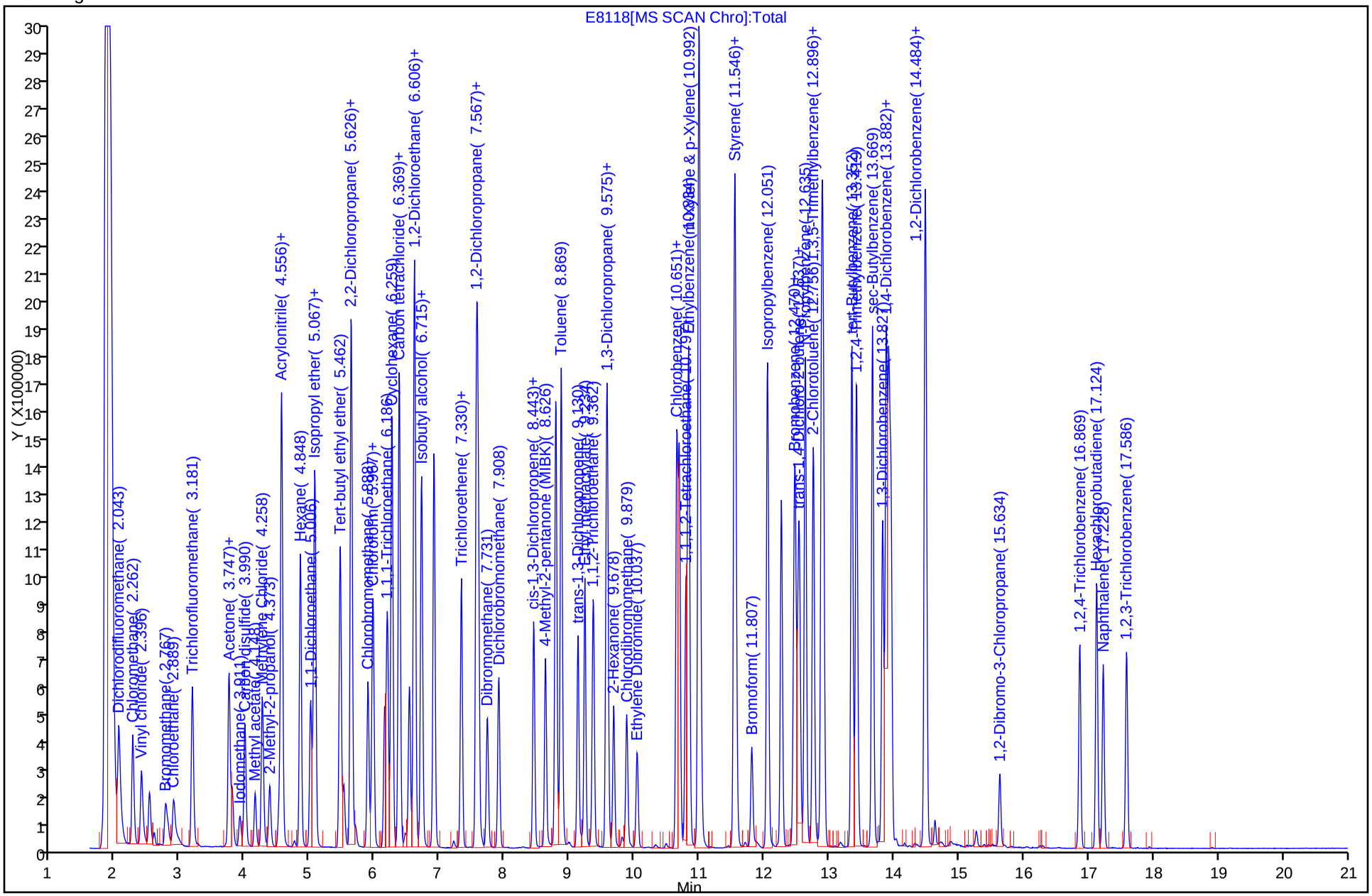
Injection Date: 08-Mar-2011 20:54:30 Limit Group: VMS - 8260 VOA Calibration

Client ID: SB0058:TP1:000020 Instrument ID: VMSA

Lims Batch ID: 77032 Lims Sample ID: 16

Operator ID: WH

Y Scaling:

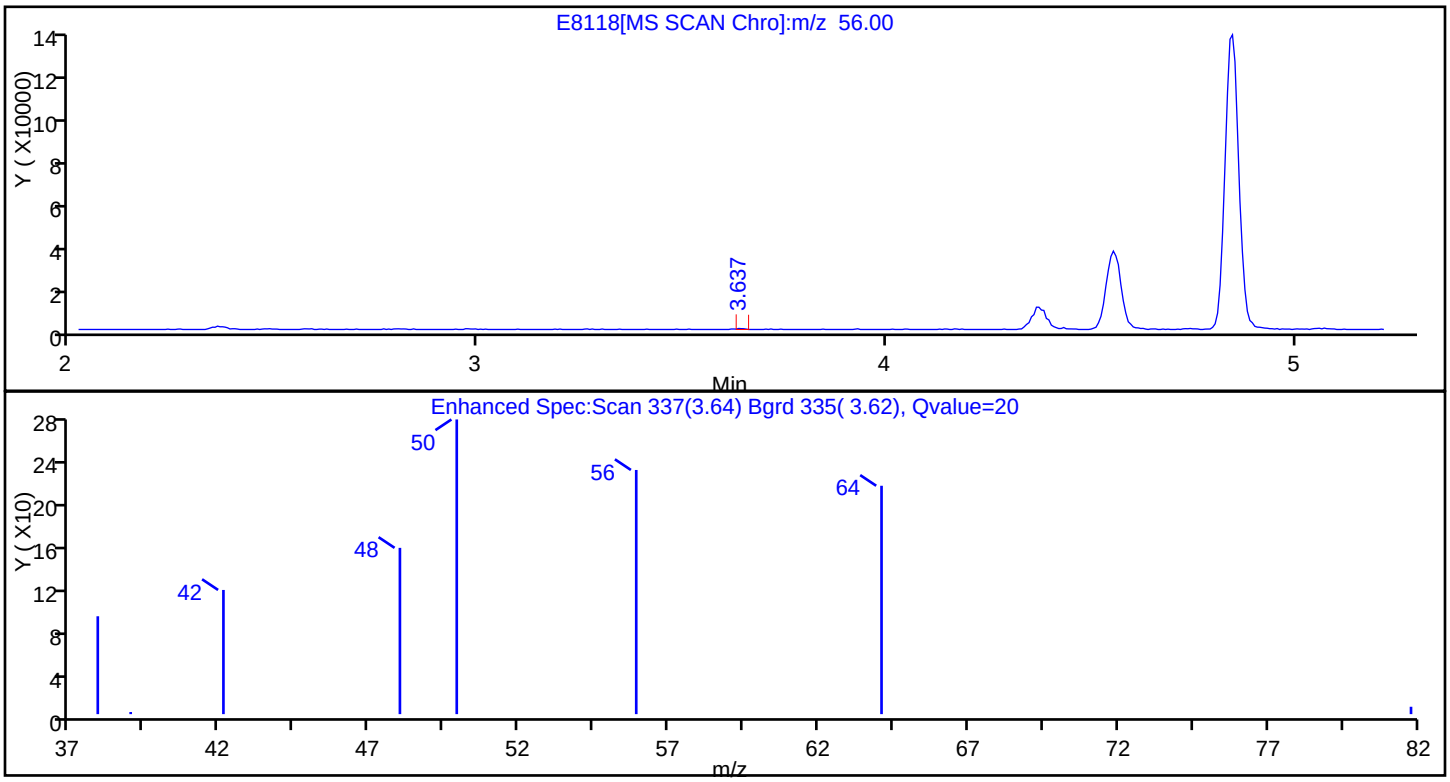


User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D		
Injection Date:	08-Mar-2011 20:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	16
Operator ID:	WH		

15 Acrolein

Processing Results



RT	Mass	Response	Amount
3.64	56.00	546	0.779432
3.65	55.00	207	

Reviewer: hobartw, 09-Mar-2011 04:12:17
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:12:17 Chrom Revision: 1.2 17-Feb-2011 18:05:56

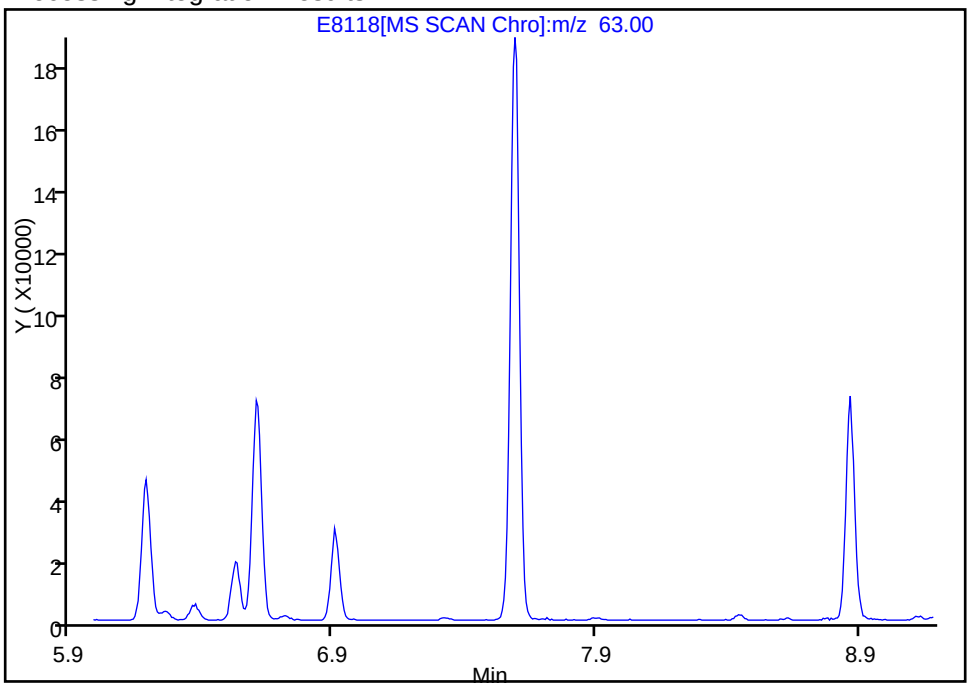
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D		
Injection Date:	08-Mar-2011 20:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	16
Operator ID:	WH		

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

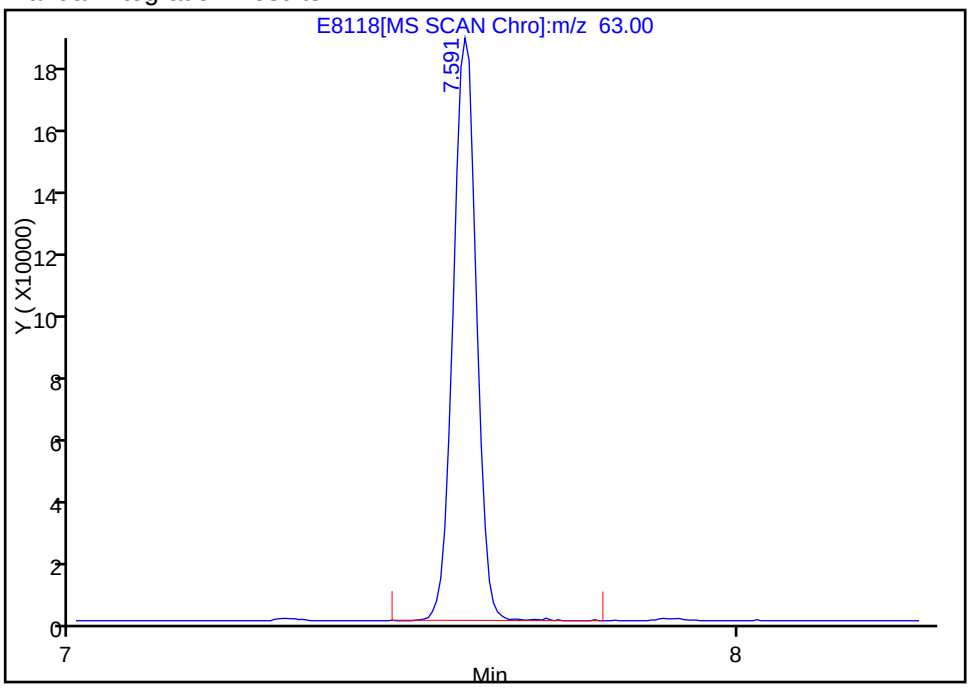
Processing Integration Results

Not Detected
Expected RT: 7.59



Manual Integration Results

RT: 7.59
Response: 442633
Amount: 53.095853



Reviewer: hobartw, 09-Mar-2011 04:12:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

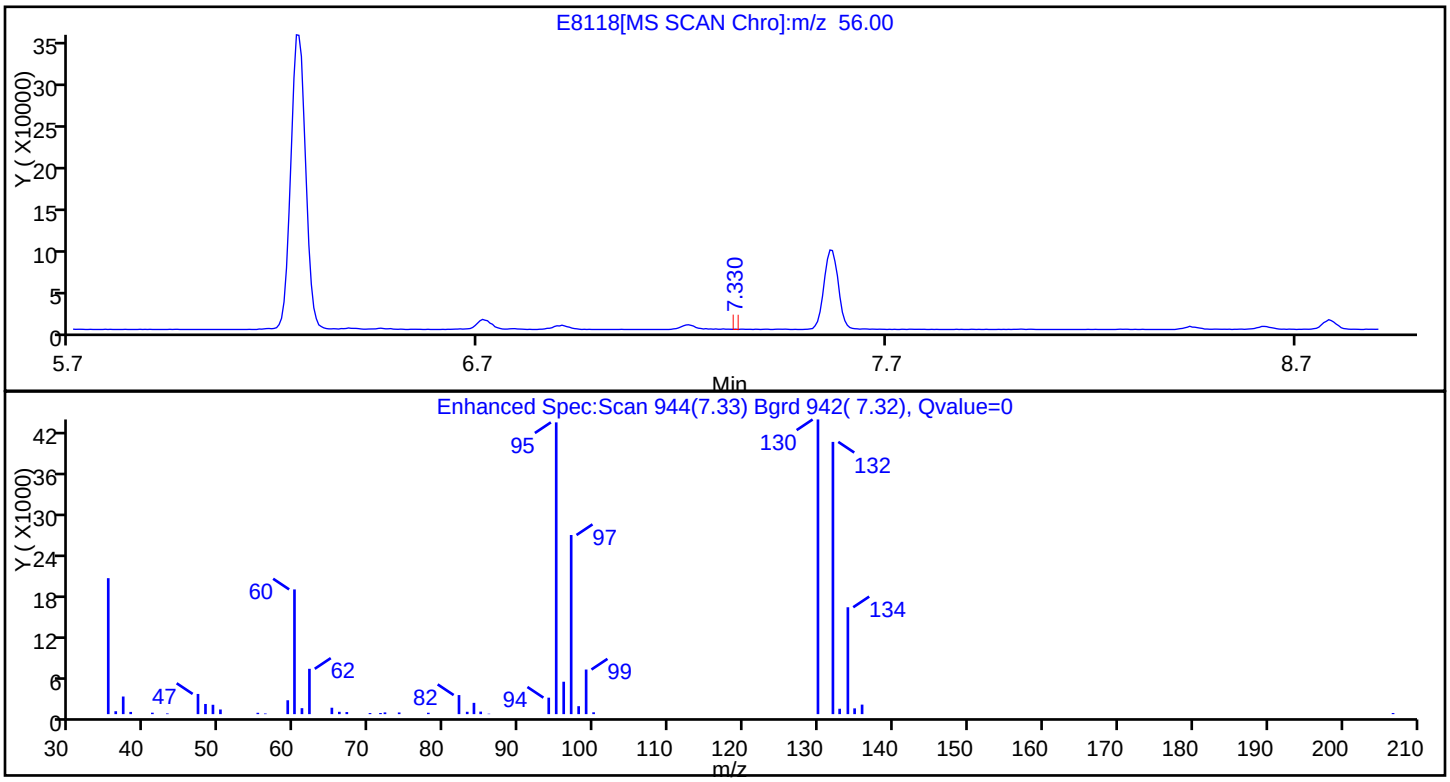
Report Date: 09-Mar-2011 04:12:17 Chrom Revision: 1.2 17-Feb-2011 18:05:56

User Disabled Compound Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D		
Injection Date:	08-Mar-2011 20:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	16
Operator ID:	WH		

102 n-Butanol

Processing Results



RT	Mass	Response	Amount
7.33	56.00	201	0.605409
7.33	41.00	778	
7.34	43.00	660	

Reviewer: hobartw, 09-Mar-2011 04:12:17
Audit Action: Marked Compound Undetected
Audit Reason:

Report Date: 09-Mar-2011 04:12:17 Chrom Revision: 1.2 17-Feb-2011 18:05:56

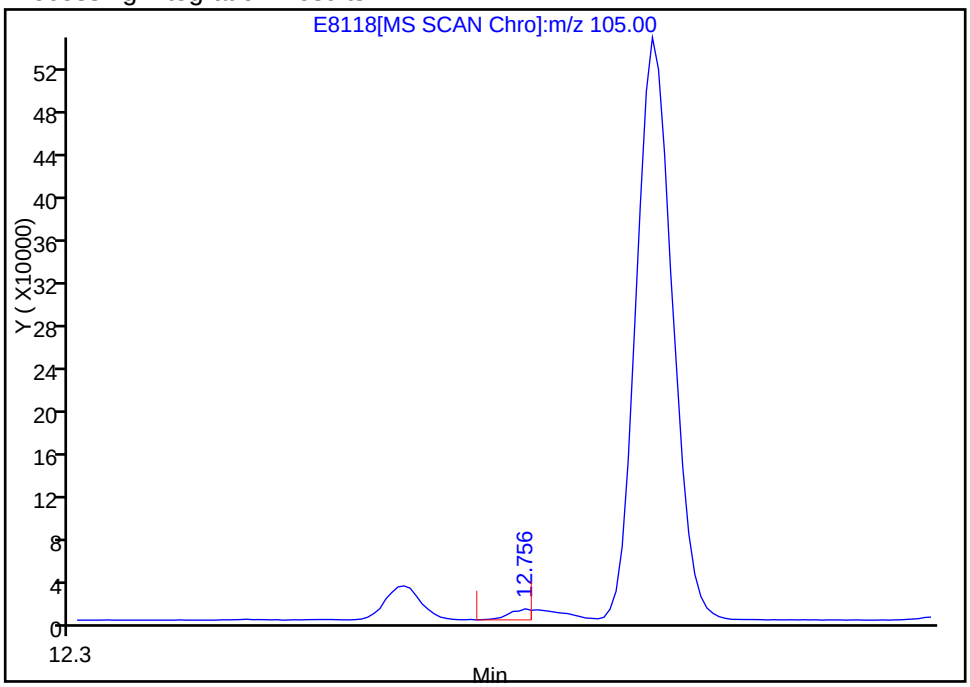
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\VMSA\20110308-4493.b\E8118.D		
Injection Date:	08-Mar-2011 20:54:30	Limit Group:	VMS - 8260 VOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	VMSA
Lims Batch ID:	77032	Lims Sample ID:	16
Operator ID:	WH		

76 1,3,5-Trimethylbenzene, Signal: 1, m/z: 105.0 Type: quant, RT: 12.89

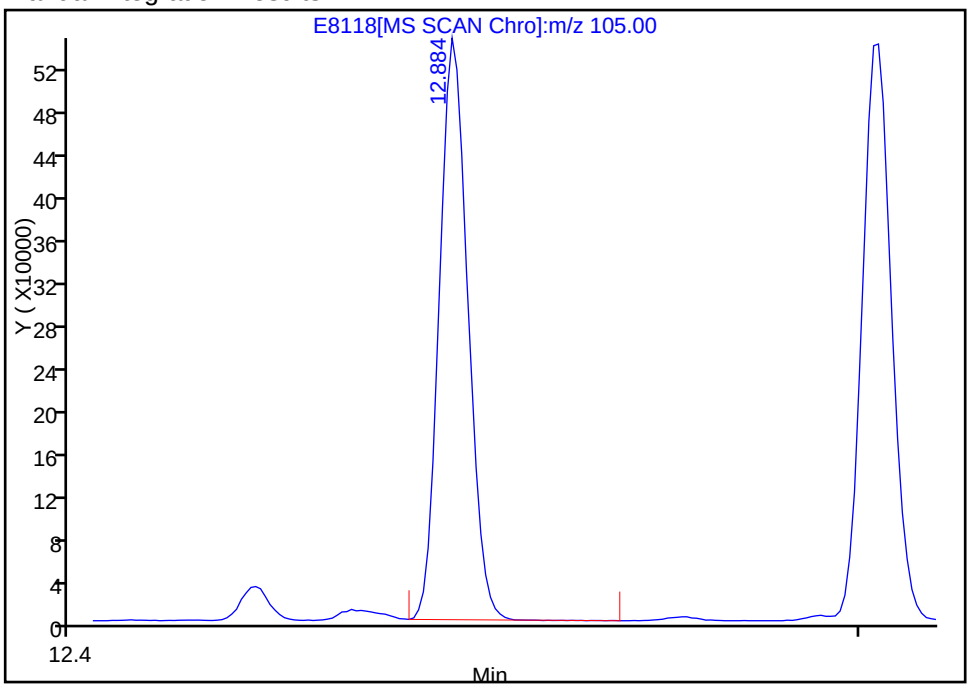
Processing Integration Results

RT: 12.76
Response: 16353
Amount: 0.589168



Manual Integration Results

RT: 12.88
Response: 1369825
Amount: 49.352222



Reviewer: hobartw, 09-Mar-2011 04:12:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSA Start Date: 03/08/2011 12:23

Analysis Batch Number: 77032 End Date: 03/08/2011 23:46

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-77032/1		03/08/2011 12:23	1	E8103.D	624/8260 0.2(mm)
STD005 510-77032/2 IC		03/08/2011 12:53	1	E8104.D	624/8260 0.2(mm)
STD010 510-77032/3 IC		03/08/2011 13:27	1	E8105.D	624/8260 0.2(mm)
STD020 510-77032/4 IC		03/08/2011 14:02	1	E8106.D	624/8260 0.2(mm)
STD050 510-77032/5 ICIS		03/08/2011 14:36	1	E8107.D	624/8260 0.2(mm)
STD100 510-77032/6 IC		03/08/2011 15:10	1	E8108.D	624/8260 0.2(mm)
STD150 510-77032/7 IC		03/08/2011 15:44	1	E8109.D	624/8260 0.2(mm)
STD200 510-77032/8 IC		03/08/2011 16:19	1	E8110.D	624/8260 0.2(mm)
ZZZZZ		03/08/2011 16:53	1		624/8260 0.2(mm)
MB 510-77032/11		03/08/2011 18:02	1	E8113.D	624/8260 0.2(mm)
LCS 510-77032/12		03/08/2011 18:36	1	E8114.D	624/8260 0.2(mm)
ZZZZZ		03/08/2011 19:11	1		624/8260 0.2(mm)
510-62781-1	SB0058:TP1:000020	03/08/2011 19:45	1	E8116.D	624/8260 0.2(mm)
510-62781-1 MS	SB0058:TP1:000020 MS	03/08/2011 20:20	1	E8117.D	624/8260 0.2(mm)
510-62781-1 MSD	SB0058:TP1:000020 MSD	03/08/2011 20:54	1	E8118.D	624/8260 0.2(mm)
510-62781-2	SB0058:TP1:040050	03/08/2011 21:28	1	E8119.D	624/8260 0.2(mm)
510-62781-3	SB0058:TP2:000020	03/08/2011 22:03	1	E8120.D	624/8260 0.2(mm)
510-62781-4	SB0058:TP2:040050	03/08/2011 22:37	1	E8121.D	624/8260 0.2(mm)
510-62781-5	SB0058: FIELD DUPLICATE	03/08/2011 23:12	1	E8122.D	624/8260 0.2(mm)
510-62781-7	Sodium Biosulfate/Methanol Blank	03/08/2011 23:46	1	E8123.D	624/8260 0.2(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: VMSB Start Date: 03/09/2011 13:19

Analysis Batch Number: 77114 End Date: 03/10/2011 01:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 510-77114/1		03/09/2011 13:19	1	A6480.D	624/8260 0.2(mm)
STD001 510-77114/2 IC		03/09/2011 13:45	1	A6481.D	624/8260 0.2(mm)
STD002 510-77114/3 IC		03/09/2011 14:17	1	A6482.D	624/8260 0.2(mm)
STD005 510-77114/4 IC		03/09/2011 14:49	1	A6483.D	624/8260 0.2(mm)
STD020 510-77114/6 IC		03/09/2011 15:54	1	A6485.D	624/8260 0.2(mm)
STD050 510-77114/7 ICIS		03/09/2011 16:26	1	A6486.D	624/8260 0.2(mm)
STD100 510-77114/8 IC		03/09/2011 16:58	1	A6487.D	624/8260 0.2(mm)
STD150 510-77114/9 IC		03/09/2011 17:30	1	A6488.D	624/8260 0.2(mm)
STD200 510-77114/10 IC		03/09/2011 18:02	1	A6489.D	624/8260 0.2(mm)
ZZZZZ		03/09/2011 18:34	1		624/8260 0.2(mm)
ZZZZZ		03/09/2011 19:06	1		624/8260 0.2(mm)
STD010 510-77114/13 IC		03/09/2011 19:38	1	A6492.D	624/8260 0.2(mm)
LCS 510-77114/14		03/09/2011 20:14	1	A6493.D	624/8260 0.2(mm)
ZZZZZ		03/09/2011 20:49	1		624/8260 0.2(mm)
MB 510-77114/16		03/09/2011 21:21	1	A6495.D	624/8260 0.2(mm)
510-62781-6	Trip Blank	03/09/2011 21:53	1	A6496.D	624/8260 0.2(mm)
ZZZZZ		03/09/2011 22:25	1		624/8260 0.2(mm)
ZZZZZ		03/09/2011 22:57	1		624/8260 0.2(mm)
ZZZZZ		03/09/2011 23:29	1		624/8260 0.2(mm)
ZZZZZ		03/10/2011 00:01	1		624/8260 0.2(mm)
ZZZZZ		03/10/2011 00:33	1		624/8260 0.2(mm)
ZZZZZ		03/10/2011 01:05	20		624/8260 0.2(mm)
ZZZZZ		03/10/2011 01:37	1		624/8260 0.2(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 77047 Batch Start Date: 03/04/11 08:00 Batch Analyst: Hall, Jennifer L

Batch Method: 5035 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
510-62781-B-7	Sodium Biosulfate/Methanol Blank	5035, 8260B	T	31.906 g	31.9406 g				
510-62781-E-1	SB0058:TP1:000020	5035, 8260B	T	31.880 g	38.4478 g				
510-62781-E-1 MS	SB0058:TP1:000020	5035, 8260B	T	32.007 g	37.4216 g				
510-62781-E-1 MSD	SB0058:TP1:000020	5035, 8260B	T	32.429 g	38.7190 g				
510-62781-E-2	SB0058:TP1:040050	5035, 8260B	T	31.842 g	38.4505 g				
510-62781-E-3	SB0058:TP2:000020	5035, 8260B	T	32.076 g	37.9939 g				
510-62781-E-4	SB0058:TP2:040050	5035, 8260B	T	31.933 g	38.5246 g				
510-62781-E-5	SB0058: FIELD DUPLICATE	5035, 8260B	T	31.903 g	37.7496 g				

Batch Notes	

Basis	Basis Description
T	Total/NA

8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): 8270/625 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
SB0058:TP1:000020	510-62781-1	50	51	64	69	86	102
SB0058:TP1:040050	510-62781-2	62	60	71	73	85	90
SB0058:TP2:000020	510-62781-3	48	53	62	64	74	93
SB0058:TP2:040050	510-62781-4	63	65	74	71	82	98
SB0058: FIELD DUPLICATE	510-62781-5	57	59	67	68	81	88
	MB 510-77007/1-A	59	61	66	68	80	96
	LCS 510-77007/2-A	59	65	72	69	94	95
SB0058:TP1:000020 MS	510-62781-1 MS	51	58	67	69	83	98
SB0058:TP1:000020 MSD	510-62781-1 MSD	56	61	69	66	80	93

	QC LIMITS
2FP = 2-Fluorophenol	10-102
PHL = Phenol-d5	10-94
NBZ = Nitrobenzene-d5	10-105
FBP = 2-Fluorobiphenyl	14-104
TBP = 2,4,6-Tribromophenol	10-128
TPH = Terphenyl-d14	31-119

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7710.D

Lab ID: LCS 510-77007/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Benzoic acid	1.67	<1.7	63	10-150	
Bis(2-chloroethoxy)methane	1.67	1.28	77	40-124	
Bis(2-chloroethyl)ether	1.67	1.04	62	21-120	
Bis(2-chloroisopropyl) ether	1.67	1.16	70	10-150	
Bis(2-ethylhexyl) phthalate	1.67	1.84	111	61-133	
4-Bromophenyl phenyl ether	1.67	1.38	83	62-135	
Butyl benzyl phthalate	1.67	1.81	109	61-135	
Carbazole	1.67	1.30	78	44-134	
4-Chloro-3-methylphenol	1.67	1.39	84	29-126	
2-Chloronaphthalene	1.67	1.23	74	38-103	
2-Chlorophenol	1.67	1.24	74	27-119	
4-Chlorophenyl phenyl ether	1.67	1.36	82	67-116	
Dibenzofuran	1.67	1.30	78	54-105	
Dibutylphthalate	1.67	1.54	93	50-148	
1,2-Dichlorobenzene	1.67	1.21	73	25-100	
1,3-Dichlorobenzene	1.67	1.03	62	32-91	
1,4-Dichlorobenzene	1.67	1.18	71	29-109	
2,4-Dichlorophenol	1.67	1.23	74	31-99	
Diethyl phthalate	1.67	1.53	92	65-131	
2,4-Dimethylphenol	1.67	1.16	70	27-95	
Dimethyl phthalate	1.67	1.41	84	65-119	
4,6-Dinitro-2-methylphenol	1.67	1.57	94	10-150	
2,4-Dinitrophenol	1.67	<1.7	93	10-150	
2,4-Dinitrotoluene	1.67	1.47	88	52-124	
2,6-Dinitrotoluene	1.67	1.38	83	52-114	
Di-n-octyl phthalate	1.67	2.17	130	56-162	
Hexachlorobenzene	1.67	1.41	84	48-119	
Hexachloro-1,3-butadiene	1.67	1.35	81	10-150	
Hexachlorocyclopentadiene	1.67	1.49	89	10-150	
Hexachloroethane	1.67	1.22	73	10-150	
Isophorone	1.67	1.34	80	33-111	
2-Methylnaphthalene	1.67	1.30	78	25-112	
2-Methylphenol	1.67	1.26	75	28-106	
3 & 4 Methylphenol	1.67	1.27	76	34-112	
2-Nitroaniline	1.67	1.32	79	50-117	
3-Nitroaniline	1.67	1.43	86	10-150	
4-Nitroaniline	1.67	1.34	80	10-150	
Nitrobenzene	1.67	1.23	74	10-150	
2-Nitrophenol	1.67	1.30	78	24-108	
4-Nitrophenol	1.67	<1.7	89	19-152	
N-Nitrosodimethylamine	1.67	0.851	51	24-112	
N-Nitrosodi-n-propylamine	1.67	1.36	81	45-123	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7710.D

Lab ID: LCS 510-77007/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	1.67	1.31	78	46-162	
p-Chloroaniline	1.67	1.52	91	10-150	
Pentachlorophenol	1.67	1.46	87	11-128	
Phenol	1.67	1.27	76	23-120	
1,2,4-Trichlorobenzene	1.67	1.32	79	35-116	
2,4,5-Trichlorophenol	1.67	1.44	87	38-108	
2,4,6-Trichlorophenol	1.67	1.33	80	45-100	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7712.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Benzoic acid	1.84	0.000	<1.8	52	10-150	
Bis(2-chloroethoxy)methane	1.84	0.000	1.36	74	40-124	
Bis(2-chloroethyl)ether	1.84	0.000	1.11	61	21-120	
Bis(2-chloroisopropyl) ether	1.84	0.000	1.19	65	10-150	
Bis(2-ethylhexyl) phthalate	1.84	0.000	2.13	116	61-133	
4-Bromophenyl phenyl ether	1.84	0.000	1.50	82	62-135	
Butyl benzyl phthalate	1.84	0.000	2.07	113	61-135	
Carbazole	1.84	0.000	1.37	75	44-134	
4-Chloro-3-methylphenol	1.84	0.000	1.40	76	29-126	
2-Chloronaphthalene	1.84	0.000	1.38	75	38-103	
2-Chlorophenol	1.84	0.000	1.26	69	27-119	
4-Chlorophenyl phenyl ether	1.84	0.000	1.50	82	67-116	
Dibenzofuran	1.84	0.000	1.45	79	54-105	
Dibutylphthalate	1.84	0.000	1.70	92	50-148	
1,2-Dichlorobenzene	1.84	0.000	1.19	65	25-100	
1,3-Dichlorobenzene	1.84	0.000	1.10	60	32-91	
1,4-Dichlorobenzene	1.84	0.000	1.16	63	29-109	
2,4-Dichlorophenol	1.84	0.000	1.32	72	31-99	
Diethyl phthalate	1.84	0.000	1.65	90	65-131	
2,4-Dimethylphenol	1.84	0.000	1.12	61	27-95	
Dimethyl phthalate	1.84	0.000	1.58	86	65-119	
4,6-Dinitro-2-methylphenol	1.84	0.000	1.25	68	10-150	
2,4-Dinitrophenol	1.84	0.000	<1.8	56	10-150	
2,4-Dinitrotoluene	1.84	0.000	1.54	84	52-124	
2,6-Dinitrotoluene	1.84	0.000	1.50	81	52-114	
Di-n-octyl phthalate	1.84	0.000	2.28	124	56-162	
Hexachlorobenzene	1.84	0.000	1.46	80	48-119	
Hexachloro-1,3-butadiene	1.84	0.000	1.29	70	10-150	
Hexachlorocyclopentadiene	1.84	0.000	1.60	87	10-150	
Hexachloroethane	1.84	0.000	1.14	62	10-150	
Isophorone	1.84	0.000	1.43	78	33-111	
2-Methylnaphthalene	1.84	0.000	1.38	75	25-112	
2-Methylphenol	1.84	0.000	1.25	68	28-106	
3 & 4 Methylphenol	1.84	0.000	1.30	71	34-112	
2-Nitroaniline	1.84	0.000	1.41	77	50-117	
3-Nitroaniline	1.84	0.000	1.50	82	10-150	
4-Nitroaniline	1.84	0.000	1.35	73	10-150	
Nitrobenzene	1.84	0.000	1.26	69	10-150	
2-Nitrophenol	1.84	0.000	1.34	73	24-108	
4-Nitrophenol	1.84	0.000	<1.8	74	19-152	
N-Nitrosodimethylamine	1.84	0.000	0.897	49	24-112	
N-Nitrosodi-n-propylamine	1.84	0.000	1.40	77	45-123	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7712.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
N-Nitrosodiphenylamine	1.84	0.000	1.40	76	46-162	
p-Chloroaniline	1.84	0.000	1.54	84	10-150	
Pentachlorophenol	1.84	0.000	1.24	67	11-128	
Phenol	1.84	0.000	1.28	70	23-120	
1,2,4-Trichlorobenzene	1.84	0.000	1.32	72	35-116	
2,4,5-Trichlorophenol	1.84	0.000	1.53	83	38-108	
2,4,6-Trichlorophenol	1.84	0.000	1.44	79	45-100	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7713.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Benzoic acid	1.88	<1.9	58	14	25	10-150	
Bis(2-chloroethoxy)methane	1.88	1.42	75	4	25	40-124	
Bis(2-chloroethyl)ether	1.88	1.15	61	3	25	21-120	
Bis(2-chloroisopropyl) ether	1.88	1.26	67	6	25	10-150	
Bis(2-ethylhexyl) phthalate	1.88	2.07	110	3	25	61-133	
4-Bromophenyl phenyl ether	1.88	1.56	83	4	25	62-135	
Butyl benzyl phthalate	1.88	1.99	106	4	25	61-135	
Carbazole	1.88	1.39	74	1	25	44-134	
4-Chloro-3-methylphenol	1.88	1.49	79	6	25	29-126	
2-Chloronaphthalene	1.88	1.37	73	1	25	38-103	
2-Chlorophenol	1.88	1.38	73	9	25	27-119	
4-Chlorophenyl phenyl ether	1.88	1.48	78	2	25	67-116	
Dibenzofuran	1.88	1.43	76	1	25	54-105	
Dibutylphthalate	1.88	1.67	88	2	25	50-148	
1,2-Dichlorobenzene	1.88	1.29	68	8	25	25-100	
1,3-Dichlorobenzene	1.88	1.18	63	7	25	32-91	
1,4-Dichlorobenzene	1.88	1.24	66	7	25	29-109	
2,4-Dichlorophenol	1.88	1.38	73	4	25	31-99	
Diethyl phthalate	1.88	1.66	88	0	25	65-131	
2,4-Dimethylphenol	1.88	1.23	65	9	25	27-95	
Dimethyl phthalate	1.88	1.59	84	1	25	65-119	
4,6-Dinitro-2-methylphenol	1.88	1.46	77	16	25	10-150	
2,4-Dinitrophenol	1.88	<1.9	68	21	25	10-150	
2,4-Dinitrotoluene	1.88	1.55	82	0	25	52-124	
2,6-Dinitrotoluene	1.88	1.53	81	2	25	52-114	
Di-n-octyl phthalate	1.88	2.27	120	1	25	56-162	
Hexachlorobenzene	1.88	1.53	81	5	25	48-119	
Hexachloro-1,3-butadiene	1.88	1.42	75	10	25	10-150	
Hexachlorocyclopentadiene	1.88	1.64	87	2	25	10-150	
Hexachloroethane	1.88	1.28	68	12	25	10-150	
Isophorone	1.88	1.49	79	4	25	33-111	
2-Methylnaphthalene	1.88	1.42	75	3	25	25-112	
2-Methylphenol	1.88	1.32	70	5	25	28-106	
3 & 4 Methylphenol	1.88	1.34	71	3	25	34-112	
2-Nitroaniline	1.88	1.46	78	4	25	50-117	
3-Nitroaniline	1.88	1.49	79	1	25	10-150	
4-Nitroaniline	1.88	1.35	72	0	25	10-150	
Nitrobenzene	1.88	1.36	72	8	25	10-150	
2-Nitrophenol	1.88	1.46	77	9	25	24-108	
4-Nitrophenol	1.88	<1.9	78	8	25	19-152	
N-Nitrosodimethylamine	1.88	1.02	54	13	25	24-112	
N-Nitrosodi-n-propylamine	1.88	1.45	77	3	25	45-123	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: D7713.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
N-Nitrosodiphenylamine	1.88	1.47	78	5	25	46-162	
p-Chloroaniline	1.88	1.60	85	4	25	10-150	
Pentachlorophenol	1.88	1.44	76	15	25	11-128	
Phenol	1.88	1.38	73	7	25	23-120	
1,2,4-Trichlorobenzene	1.88	1.40	74	6	25	35-116	
2,4,5-Trichlorophenol	1.88	1.59	84	4	25	38-108	
2,4,6-Trichlorophenol	1.88	1.47	78	2	25	45-100	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: D7709.D Lab Sample ID: MB 510-77007/1-A

Matrix: Solid Date Extracted: 03/08/2011 07:55

Instrument ID: SMSA Date Analyzed: 03/11/2011 12:30

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-77007/2-A	D7710.D	03/11/2011 12:47
SB0058:TP1:000020	510-62781-1	D7711.D	03/11/2011 13:05
SB0058:TP1:000020 MS	510-62781-1 MS	D7712.D	03/11/2011 13:23
SB0058:TP1:000020 MSD	510-62781-1 MSD	D7713.D	03/11/2011 13:41
SB0058:TP1:040050	510-62781-2	D7714.D	03/11/2011 13:59
SB0058:TP2:000020	510-62781-3	D7715.D	03/11/2011 14:17
SB0058:TP2:040050	510-62781-4	D7716.D	03/11/2011 14:35
SB0058: FIELD DUPLICATE	510-62781-5	D7717.D	03/11/2011 14:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: D7330.D DFTPP Injection Date: 02/03/2011

Instrument ID: SMSA DFTPP Injection Time: 10:50

Analysis Batch No.: 75445

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	30.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	34.9	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	40.0 - 60.0 % of mass 198	52.2	
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	7.4	
275	10.0 - 30.0 % of mass 198	22.1	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	8.4	
442	Greater than 40.0 % of mass 198	55.5	
443	17.0 - 23.0 % of mass 442	11.9	(21.4)2

1-Value is % mass 69 2-Value is % mass 442

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	SSTD005 510-75445/2	D7331.D	02/03/2011	11:05
	SSTD010 510-75445/3	D7332.D	02/03/2011	11:24
	SSTD020 510-75445/4	D7333.D	02/03/2011	11:42
	SSTD030 510-75445/5	D7334.D	02/03/2011	12:01
	SSTD040 510-75445/6	D7335.D	02/03/2011	12:19
	SSTD050 510-75445/7	D7336.D	02/03/2011	12:37
	SSTD060 510-75445/8	D7337.D	02/03/2011	12:56
	SSTD080 510-75445/9	D7338.D	02/03/2011	13:14
	SSTD100 510-75445/10	D7339.D	02/03/2011	13:33
	SSTD120 510-75445/11	D7340.D	02/03/2011	13:51

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: D7700.D DFTPP Injection Date: 03/11/2011

Instrument ID: SMSA DFTPP Injection Time: 09:57

Analysis Batch No.: 77240

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	31.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	33.0	
70	Less than 2.0 % of mass 69	0.3	(1.1)1
127	40.0 - 60.0 % of mass 198	54.1	
197	Less than 1.0 % of mass 198	0.4	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.2	
275	10.0 - 30.0 % of mass 198	22.4	
365	Greater than 1.0 % of mass 198	2.0	
441	Present but less than mass 443	7.8	
442	Greater than 40.0 % of mass 198	53.3	
443	17.0 - 23.0 % of mass 442	10.9	(20.5)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
	SSTD050 510-77240/2	D7701.D	03/11/2011	10:07
	MB 510-77007/1-A	D7709.D	03/11/2011	12:30
	LCS 510-77007/2-A	D7710.D	03/11/2011	12:47
SB0058:TP1:000020	510-62781-1	D7711.D	03/11/2011	13:05
SB0058:TP1:000020 MS	510-62781-1 MS	D7712.D	03/11/2011	13:23
SB0058:TP1:000020 MSD	510-62781-1 MSD	D7713.D	03/11/2011	13:41
SB0058:TP1:040050	510-62781-2	D7714.D	03/11/2011	13:59
SB0058:TP2:000020	510-62781-3	D7715.D	03/11/2011	14:17
SB0058:TP2:040050	510-62781-4	D7716.D	03/11/2011	14:35
SB0058: FIELD DUPLICATE	510-62781-5	D7717.D	03/11/2011	14:53

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Sample No.: SSTD050 510-77240/2 Date Analyzed: 03/11/2011 10:07

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): D7701.D Heated Purge: (Y/N) N

Calibration ID: 3711

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		149082	2.65	416744	3.77	245956	5.42
UPPER LIMIT		298164	3.15	833488	4.27	491912	5.92
LOWER LIMIT		74541	2.15	208372	3.27	122978	4.92
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-77007/1-A		190541	2.65	564099	3.77	318521	5.42
LCS 510-77007/2-A		238713	2.65	736535	3.77	450446	5.43
510-62781-1	SB0058:TP1:000020	144224	2.65	430366	3.77	254432	5.42
510-62781-1 MS	SB0058:TP1:000020 MS	198383	2.65	608749	3.77	349271	5.43
510-62781-1 MSD	SB0058:TP1:000020 MSD	239658	2.65	721014	3.77	424745	5.43
510-62781-2	SB0058:TP1:040050	179304	2.65	498382	3.77	282674	5.42
510-62781-3	SB0058:TP2:000020	234215	2.65	698955	3.77	421889	5.42
510-62781-4	SB0058:TP2:040050	240476	2.65	730469	3.77	437465	5.42
510-62781-5	SB0058: FIELD DUPLICATE	185536	2.65	550148	3.77	342315	5.42

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Sample No.: SSTD050 510-77240/2 Date Analyzed: 03/11/2011 10:07

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): D7701.D Heated Purge: (Y/N) N

Calibration ID: 3711

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		442042	6.99	350736	9.20	209008	10.17
UPPER LIMIT		884084	7.49	701472	9.70	418016	10.67
LOWER LIMIT		221021	6.49	175368	8.70	104504	9.67
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-77007/1-A		454613	6.99	281535	9.20	167064	10.17
LCS 510-77007/2-A		686813	6.99	409310	9.20	235549	10.16
510-62781-1	SB0058:TP1:000020	347585	6.99	147641*	9.20	88829*	10.16
510-62781-1 MS	SB0058:TP1:000020 MS	513764	6.99	272174	9.20	170520	10.16
510-62781-1 MSD	SB0058:TP1:000020 MSD	595617	6.99	330014	9.20	206538	10.16
510-62781-2	SB0058:TP1:040050	439452	6.99	282816	9.20	174676	10.15
510-62781-3	SB0058:TP2:000020	560728	6.99	242769	9.20	150948	10.15
510-62781-4	SB0058:TP2:040050	612061	6.99	341021	9.20	194041	10.15
510-62781-5	SB0058: FIELD DUPLICATE	512364	6.99	328865	9.20	214484	10.16

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: D7711.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 13:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.8		1.8	0.78
100-51-6	Benzyl alcohol	<0.37		0.37	0.047
111-91-1	Bis(2-chloroethoxy)methane	<0.37		0.37	0.035
111-44-4	Bis(2-chloroethyl)ether	<0.37		0.37	0.067
39638-32-9	Bis(2-chloroisopropyl) ether	<0.37		0.37	0.062
117-81-7	Bis(2-ethylhexyl) phthalate	<0.73		0.73	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.37		0.37	0.052
85-68-7	Butyl benzyl phthalate	<0.37		0.37	0.044
86-74-8	Carbazole	<0.37		0.37	0.053
59-50-7	4-Chloro-3-methylphenol	<0.37		0.37	0.045
91-58-7	2-Chloronaphthalene	<0.37		0.37	0.035
95-57-8	2-Chlorophenol	<0.37		0.37	0.066
7005-72-3	4-Chlorophenyl phenyl ether	<0.37		0.37	0.034
132-64-9	Dibenzofuran	<0.37		0.37	0.022
84-74-2	Dibutylphthalate	<0.37		0.37	0.16
95-50-1	1,2-Dichlorobenzene	<0.37		0.37	0.078
541-73-1	1,3-Dichlorobenzene	<0.37		0.37	0.083
106-46-7	1,4-Dichlorobenzene	<0.37		0.37	0.084
91-94-1	3,3'-Dichlorobenzidine	<0.73		0.73	0.034
120-83-2	2,4-Dichlorophenol	<0.37		0.37	0.047
84-66-2	Diethyl phthalate	<0.37		0.37	0.039
105-67-9	2,4-Dimethylphenol	<0.37		0.37	0.042
131-11-3	Dimethyl phthalate	<0.37		0.37	0.034
534-52-1	4,6-Dinitro-2-methylphenol	<0.73		0.73	0.072
51-28-5	2,4-Dinitrophenol	<1.8		1.8	0.027
121-14-2	2,4-Dinitrotoluene	<0.37		0.37	0.067
606-20-2	2,6-Dinitrotoluene	<0.37		0.37	0.056
117-84-0	Di-n-octyl phthalate	<0.37		0.37	0.035
118-74-1	Hexachlorobenzene	<0.37		0.37	0.023
87-68-3	Hexachloro-1,3-butadiene	<0.37		0.37	0.052
77-47-4	Hexachlorocyclopentadiene	<0.37		0.37	0.11
67-72-1	Hexachloroethane	<0.37		0.37	0.076
78-59-1	Isophorone	<0.37		0.37	0.034
91-57-6	2-Methylnaphthalene	<0.37		0.37	0.030

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: D7711.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 13:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.37		0.37	0.048
15831-10-4	3 & 4 Methylphenol	<0.37		0.37	0.040
88-74-4	2-Nitroaniline	<0.73		0.73	0.073
99-09-2	3-Nitroaniline	<0.73		0.73	0.076
100-01-6	4-Nitroaniline	<0.73		0.73	0.066
98-95-3	Nitrobenzene	<0.37		0.37	0.049
88-75-5	2-Nitrophenol	<0.37		0.37	0.062
100-02-7	4-Nitrophenol	<1.8		1.8	0.089
62-75-9	N-Nitrosodimethylamine	<0.37		0.37	0.072
621-64-7	N-Nitrosodi-n-propylamine	<0.37		0.37	0.035
86-30-6	N-Nitrosodiphenylamine	<0.37		0.37	0.070
106-47-8	p-Chloroaniline	<0.37		0.37	0.036
87-86-5	Pentachlorophenol	<0.73		0.73	0.065
108-95-2	Phenol	<0.37		0.37	0.058
120-82-1	1,2,4-Trichlorobenzene	<0.37		0.37	0.047
95-95-4	2,4,5-Trichlorophenol	<0.37		0.37	0.095
88-06-2	2,4,6-Trichlorophenol	<0.37		0.37	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	69		14-104
367-12-4	2-Fluorophenol	50		10-102
4165-60-0	Nitrobenzene-d5	64		10-105
4165-62-2	Phenol-d5	51		10-94
1718-51-0	Terphenyl-d14	102		31-119
118-79-6	2,4,6-Tribromophenol	86		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7711.D		
Lims ID:	510-62781-J-1-D	Client ID:	SB0058:TP1:000020
Inject. Date:	11-Mar-2011 13:05:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-1		
Misc. Info.:	510-0004516-012 =510-0004516-012		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	77240	Lims Sample ID:	12
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 10:27:10	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 13:44:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.630	1.641	-0.011	85	220585	50.3	
$ 34 Phenol-d5	99	2.378	2.384	-0.006	0	236912	51.5	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	92	144224	40.0	
$ 49 Nitrobenzene-d5	82	3.126	3.132	-0.006	83	111692	32.2	
* 57 Naphthalene-d8	136	3.767	3.773	-0.006	99	430366	40.0	
$ 66 2-Fluorobiphenyl	172	4.820	4.825	-0.005	99	303615	34.5	
* 73 Acenaphthene-d10	164	5.423	5.423	0.0	91	254432	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	35845	86.4	M
* 90 Phenanthrene-d10	188	6.988	6.994	-0.006	97	347585	40.0	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	98	171753	51.0	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	97	147641	40.0	s
* 109 Perylene-d12	264	10.162	10.167	-0.005	95	88829	40.0	s

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test

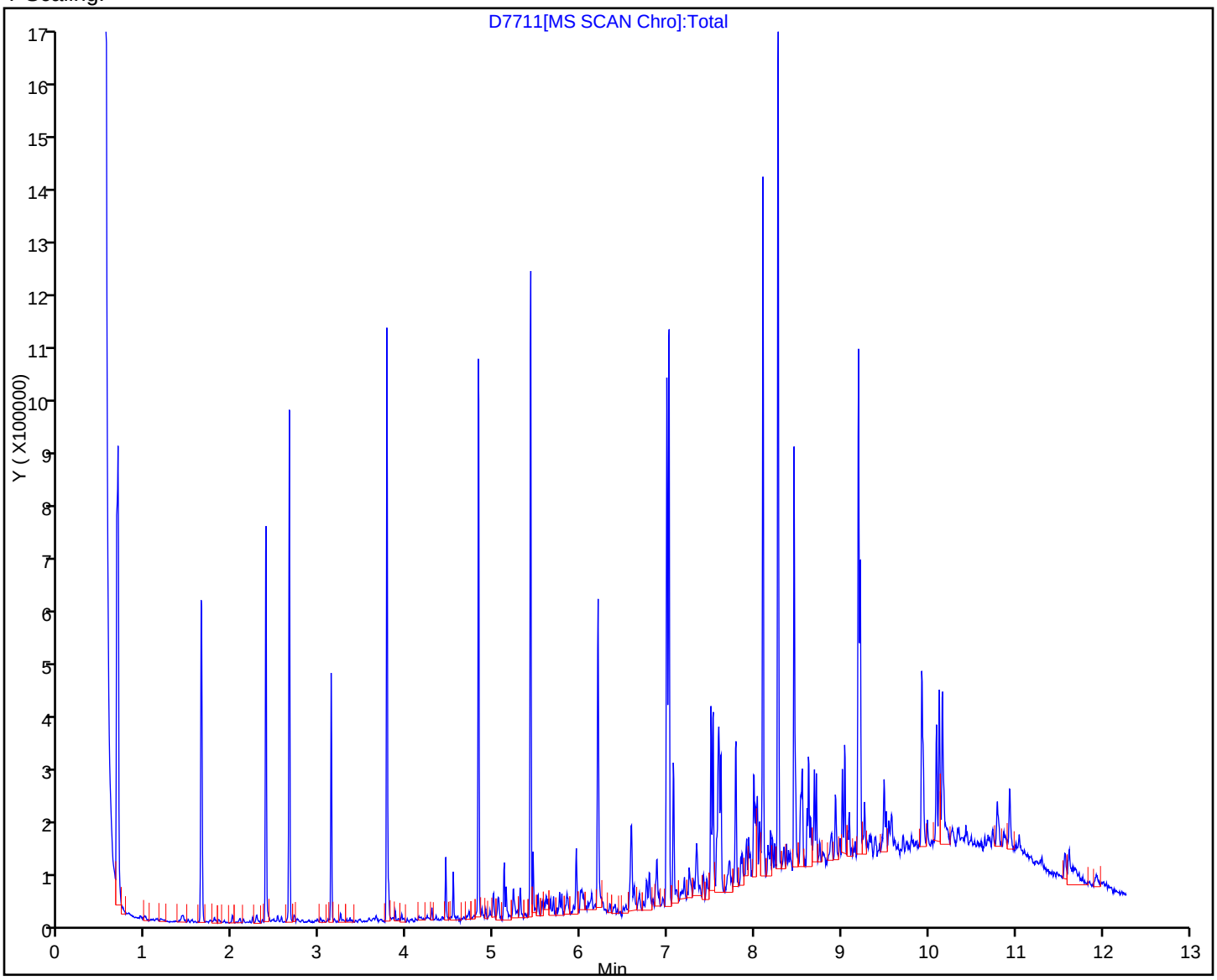
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 13:44:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7711.D

Injection Date:	11-Mar-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	12
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 13:44:29 Chrom Revision: 1.2 29-Oct-2010 14:13:24

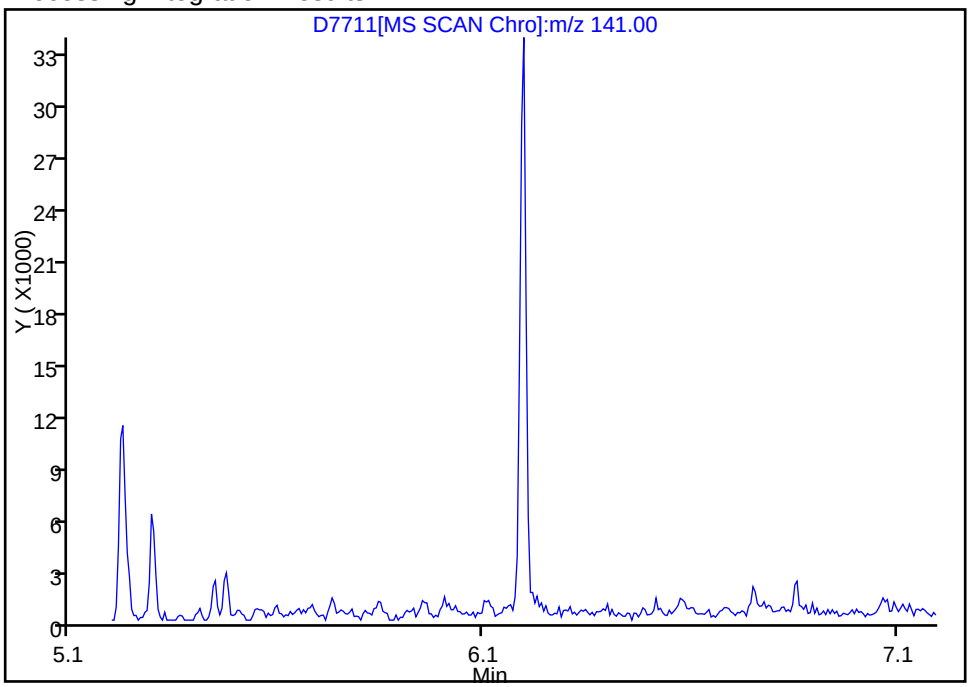
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7711.D		
Injection Date:	11-Mar-2011 13:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	12
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

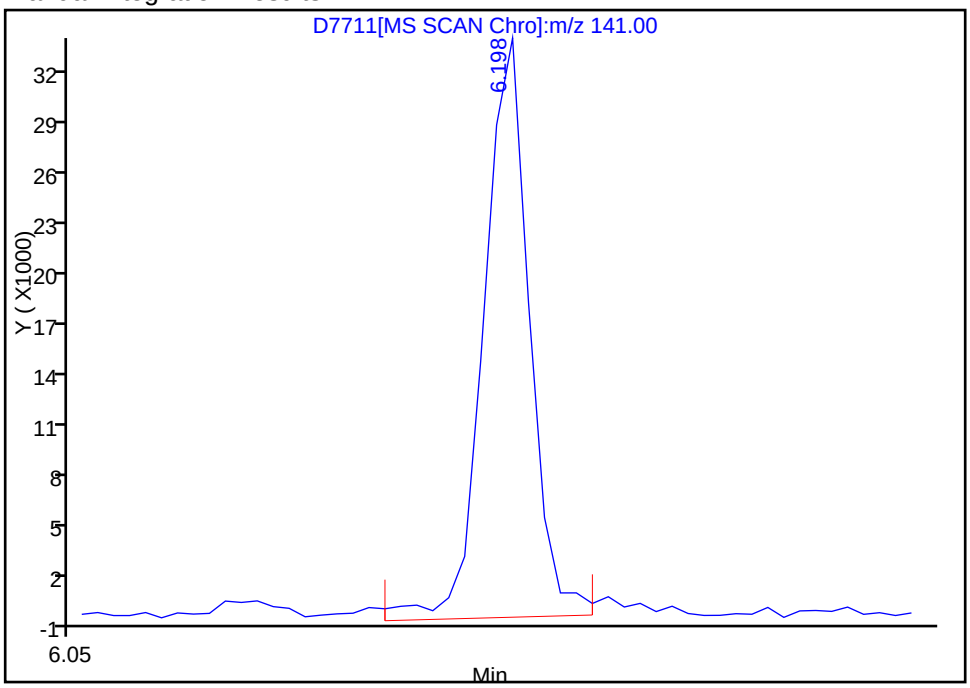
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 35845
Amount: 86.426067



Reviewer: squiresb, 11-Mar-2011 13:42:55
Audit Action: Manually Integrated
Audit Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: D7714.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:20

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.72(g) | Date Analyzed: 03/11/2011 13:59

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.8		1.8	0.76
100-51-6	Benzyl alcohol	<0.36		0.36	0.046
111-91-1	Bis(2-chloroethoxy)methane	<0.36		0.36	0.035
111-44-4	Bis(2-chloroethyl)ether	<0.36		0.36	0.066
39638-32-9	Bis(2-chloroisopropyl) ether	<0.36		0.36	0.061
117-81-7	Bis(2-ethylhexyl) phthalate	<0.72		0.72	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.36		0.36	0.051
85-68-7	Butyl benzyl phthalate	<0.36		0.36	0.043
86-74-8	Carbazole	<0.36		0.36	0.052
59-50-7	4-Chloro-3-methylphenol	<0.36		0.36	0.044
91-58-7	2-Chloronaphthalene	<0.36		0.36	0.034
95-57-8	2-Chlorophenol	<0.36		0.36	0.065
7005-72-3	4-Chlorophenyl phenyl ether	<0.36		0.36	0.033
132-64-9	Dibenzofuran	<0.36		0.36	0.021
84-74-2	Dibutylphthalate	<0.36		0.36	0.16
95-50-1	1,2-Dichlorobenzene	<0.36		0.36	0.076
541-73-1	1,3-Dichlorobenzene	<0.36		0.36	0.081
106-46-7	1,4-Dichlorobenzene	<0.36		0.36	0.083
91-94-1	3,3'-Dichlorobenzidine	<0.72		0.72	0.033
120-83-2	2,4-Dichlorophenol	<0.36		0.36	0.046
84-66-2	Diethyl phthalate	<0.36		0.36	0.038
105-67-9	2,4-Dimethylphenol	<0.36		0.36	0.041
131-11-3	Dimethyl phthalate	<0.36		0.36	0.034
534-52-1	4,6-Dinitro-2-methylphenol	<0.72		0.72	0.071
51-28-5	2,4-Dinitrophenol	<1.8		1.8	0.027
121-14-2	2,4-Dinitrotoluene	<0.36		0.36	0.066
606-20-2	2,6-Dinitrotoluene	<0.36		0.36	0.055
117-84-0	Di-n-octyl phthalate	<0.36		0.36	0.034
118-74-1	Hexachlorobenzene	<0.36		0.36	0.022
87-68-3	Hexachloro-1,3-butadiene	<0.36		0.36	0.052
77-47-4	Hexachlorocyclopentadiene	<0.36		0.36	0.11
67-72-1	Hexachloroethane	<0.36		0.36	0.075
78-59-1	Isophorone	<0.36		0.36	0.033
91-57-6	2-Methylnaphthalene	<0.36		0.36	0.030

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: D7714.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:20

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.72(g) | Date Analyzed: 03/11/2011 13:59

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.36		0.36	0.047
15831-10-4	3 & 4 Methylphenol	<0.36		0.36	0.040
88-74-4	2-Nitroaniline	<0.72		0.72	0.072
99-09-2	3-Nitroaniline	<0.72		0.72	0.075
100-01-6	4-Nitroaniline	<0.72		0.72	0.065
98-95-3	Nitrobenzene	<0.36		0.36	0.048
88-75-5	2-Nitrophenol	<0.36		0.36	0.061
100-02-7	4-Nitrophenol	<1.8		1.8	0.088
62-75-9	N-Nitrosodimethylamine	<0.36		0.36	0.071
621-64-7	N-Nitrosodi-n-propylamine	<0.36		0.36	0.035
86-30-6	N-Nitrosodiphenylamine	<0.36		0.36	0.069
106-47-8	p-Chloroaniline	<0.36		0.36	0.035
87-86-5	Pentachlorophenol	<0.72		0.72	0.064
108-95-2	Phenol	<0.36		0.36	0.057
120-82-1	1,2,4-Trichlorobenzene	<0.36		0.36	0.047
95-95-4	2,4,5-Trichlorophenol	<0.36		0.36	0.093
88-06-2	2,4,6-Trichlorophenol	<0.36		0.36	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	73		14-104
367-12-4	2-Fluorophenol	62		10-102
4165-60-0	Nitrobenzene-d5	71		10-105
4165-62-2	Phenol-d5	60		10-94
1718-51-0	Terphenyl-d14	90		31-119
118-79-6	2,4,6-Tribromophenol	85		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7714.D		
Lims ID:	510-62781-J-2-B	Client ID:	SB0058:TP1:040050
Inject. Date:	11-Mar-2011 13:59:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-2		
Misc. Info.:	510-0004516-015 =510-0004516-015		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	77240	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 14:00:55	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 14:13:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.636	1.636	0.0	85	338883	62.2	
$ 34 Phenol-d5	99	2.378	2.384	-0.006	0	346054	60.5	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	92	179304	40.0	
$ 49 Nitrobenzene-d5	82	3.126	3.132	-0.006	84	142747	35.6	
* 57 Naphthalene-d8	136	3.767	3.773	-0.006	99	498382	40.0	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	99	358723	36.7	
* 73 Acenaphthene-d10	164	5.423	5.429	-0.006	92	282674	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	39326	85.3	M
* 90 Phenanthrene-d10	188	6.989	6.994	-0.005	97	439452	40.0	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	98	292512	45.3	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	96	282816	40.0	
* 109 Perylene-d12	264	10.151	10.162	-0.011	96	174676	40.0	

QC Flag Legend

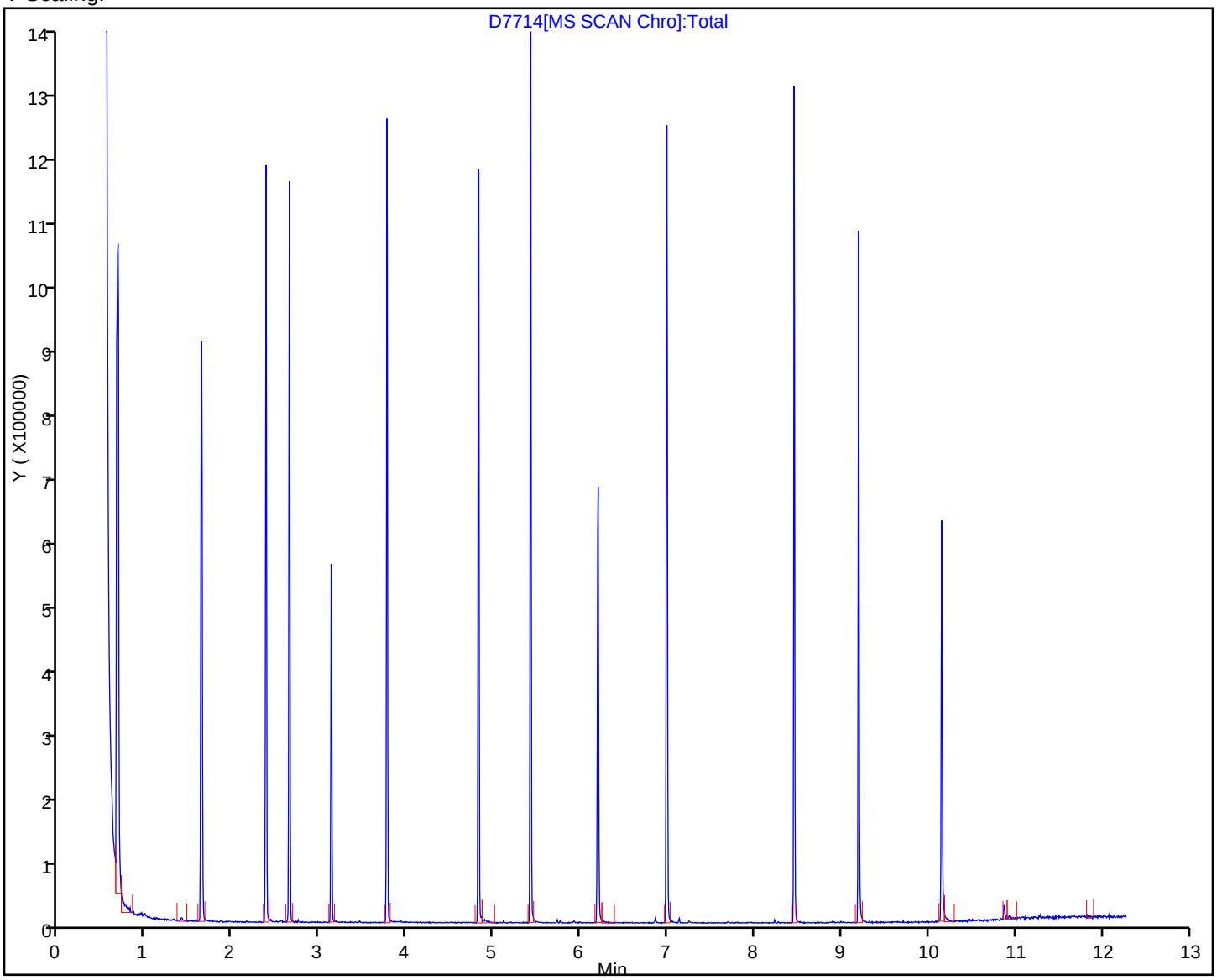
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 14:13:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7714.D

Injection Date:	11-Mar-2011 13:59:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	15
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 14:13:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

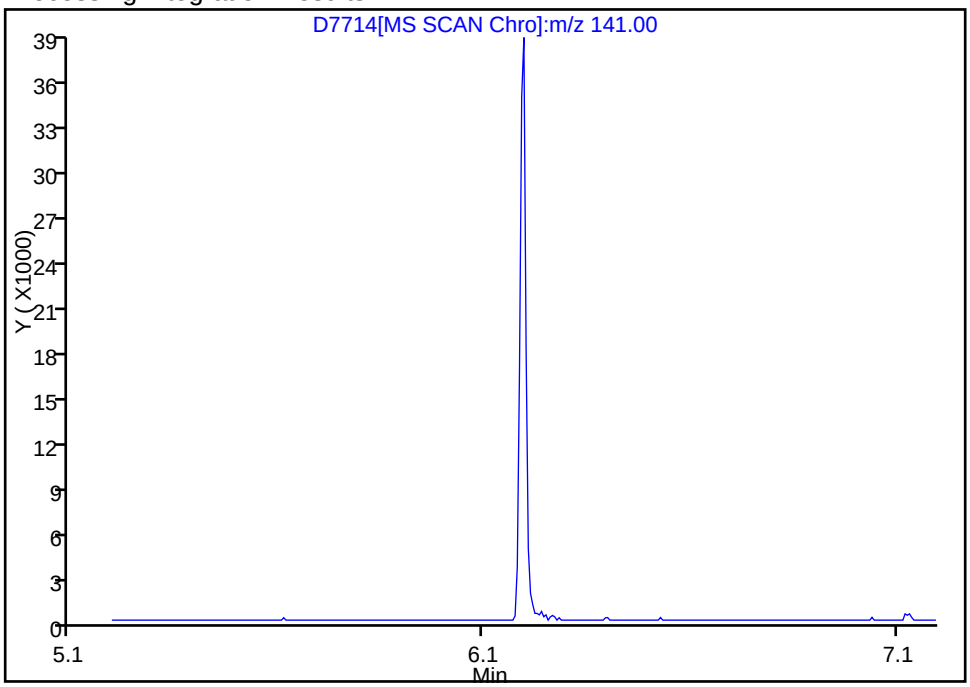
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7714.D		
Injection Date:	11-Mar-2011 13:59:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	15
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

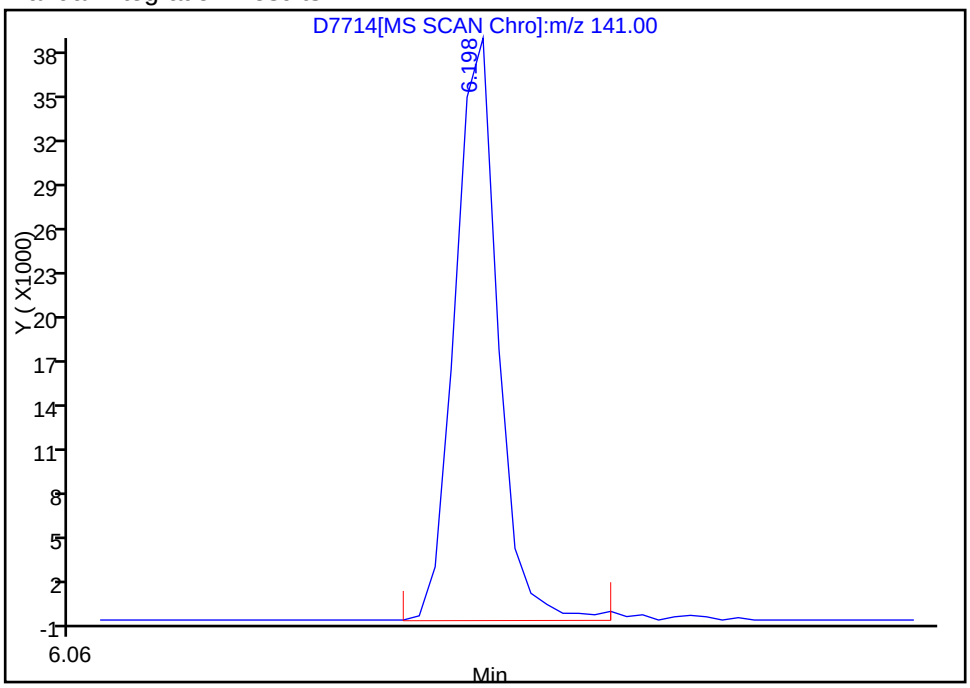
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 39326
Amount: 85.345732



Reviewer: squiresb, 11-Mar-2011 14:13:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: D7715.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:40

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 14:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.9		1.9	0.79
100-51-6	Benzyl alcohol	<0.37		0.37	0.048
111-91-1	Bis(2-chloroethoxy)methane	<0.37		0.37	0.036
111-44-4	Bis(2-chloroethyl)ether	<0.37		0.37	0.068
39638-32-9	Bis(2-chloroisopropyl) ether	<0.37		0.37	0.063
117-81-7	Bis(2-ethylhexyl) phthalate	<0.74		0.74	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.37		0.37	0.053
85-68-7	Butyl benzyl phthalate	<0.37		0.37	0.045
86-74-8	Carbazole	<0.37		0.37	0.053
59-50-7	4-Chloro-3-methylphenol	<0.37		0.37	0.046
91-58-7	2-Chloronaphthalene	<0.37		0.37	0.035
95-57-8	2-Chlorophenol	<0.37		0.37	0.067
7005-72-3	4-Chlorophenyl phenyl ether	<0.37		0.37	0.035
132-64-9	Dibenzofuran	<0.37		0.37	0.022
84-74-2	Dibutylphthalate	<0.37		0.37	0.17
95-50-1	1,2-Dichlorobenzene	<0.37		0.37	0.079
541-73-1	1,3-Dichlorobenzene	<0.37		0.37	0.084
106-46-7	1,4-Dichlorobenzene	<0.37		0.37	0.085
91-94-1	3,3'-Dichlorobenzidine	<0.74		0.74	0.034
120-83-2	2,4-Dichlorophenol	<0.37		0.37	0.048
84-66-2	Diethyl phthalate	<0.37		0.37	0.040
105-67-9	2,4-Dimethylphenol	<0.37		0.37	0.042
131-11-3	Dimethyl phthalate	<0.37		0.37	0.035
534-52-1	4,6-Dinitro-2-methylphenol	<0.74		0.74	0.073
51-28-5	2,4-Dinitrophenol	<1.9		1.9	0.028
121-14-2	2,4-Dinitrotoluene	<0.37		0.37	0.068
606-20-2	2,6-Dinitrotoluene	<0.37		0.37	0.057
117-84-0	Di-n-octyl phthalate	<0.37		0.37	0.035
118-74-1	Hexachlorobenzene	<0.37		0.37	0.023
87-68-3	Hexachloro-1,3-butadiene	<0.37		0.37	0.053
77-47-4	Hexachlorocyclopentadiene	<0.37		0.37	0.11
67-72-1	Hexachloroethane	<0.37		0.37	0.077
78-59-1	Isophorone	<0.37		0.37	0.034
91-57-6	2-Methylnaphthalene	<0.37		0.37	0.031

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: D7715.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:40

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 14:17

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.37		0.37	0.048
15831-10-4	3 & 4 Methylphenol	<0.37		0.37	0.041
88-74-4	2-Nitroaniline	<0.74		0.74	0.075
99-09-2	3-Nitroaniline	<0.74		0.74	0.077
100-01-6	4-Nitroaniline	<0.74		0.74	0.067
98-95-3	Nitrobenzene	<0.37		0.37	0.050
88-75-5	2-Nitrophenol	<0.37		0.37	0.063
100-02-7	4-Nitrophenol	<1.9		1.9	0.091
62-75-9	N-Nitrosodimethylamine	<0.37		0.37	0.073
621-64-7	N-Nitrosodi-n-propylamine	<0.37		0.37	0.036
86-30-6	N-Nitrosodiphenylamine	<0.37		0.37	0.071
106-47-8	p-Chloroaniline	<0.37		0.37	0.036
87-86-5	Pentachlorophenol	<0.74		0.74	0.066
108-95-2	Phenol	<0.37		0.37	0.059
120-82-1	1,2,4-Trichlorobenzene	<0.37		0.37	0.048
95-95-4	2,4,5-Trichlorophenol	<0.37		0.37	0.097
88-06-2	2,4,6-Trichlorophenol	<0.37		0.37	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	64		14-104
367-12-4	2-Fluorophenol	48		10-102
4165-60-0	Nitrobenzene-d5	62		10-105
4165-62-2	Phenol-d5	53		10-94
1718-51-0	Terphenyl-d14	93		31-119
118-79-6	2,4,6-Tribromophenol	74		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7715.D		
Lims ID:	510-62781-J-3-B	Client ID:	SB0058:TP2:000020
Inject. Date:	11-Mar-2011 14:17:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-3		
Misc. Info.:	510-0004516-016 =510-0004516-016		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	77240	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 14:00:55	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 14:40:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.636	1.636	0.0	85	342503	48.1	
$ 34 Phenol-d5	99	2.378	2.384	-0.006	0	399532	53.5	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	93	234215	40.0	
$ 49 Nitrobenzene-d5	82	3.131	3.132	-0.001	81	174797	31.0	
* 57 Naphthalene-d8	136	3.773	3.773	0.0	99	698955	40.0	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	98	464461	31.8	
* 73 Acenaphthene-d10	164	5.423	5.429	-0.006	92	421889	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	50648	73.6	M
* 90 Phenanthrene-d10	188	6.989	6.994	-0.005	97	560728	40.0	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	98	257094	46.4	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	96	242769	40.0	
* 109 Perylene-d12	264	10.151	10.162	-0.011	94	150948	40.0	

QC Flag Legend

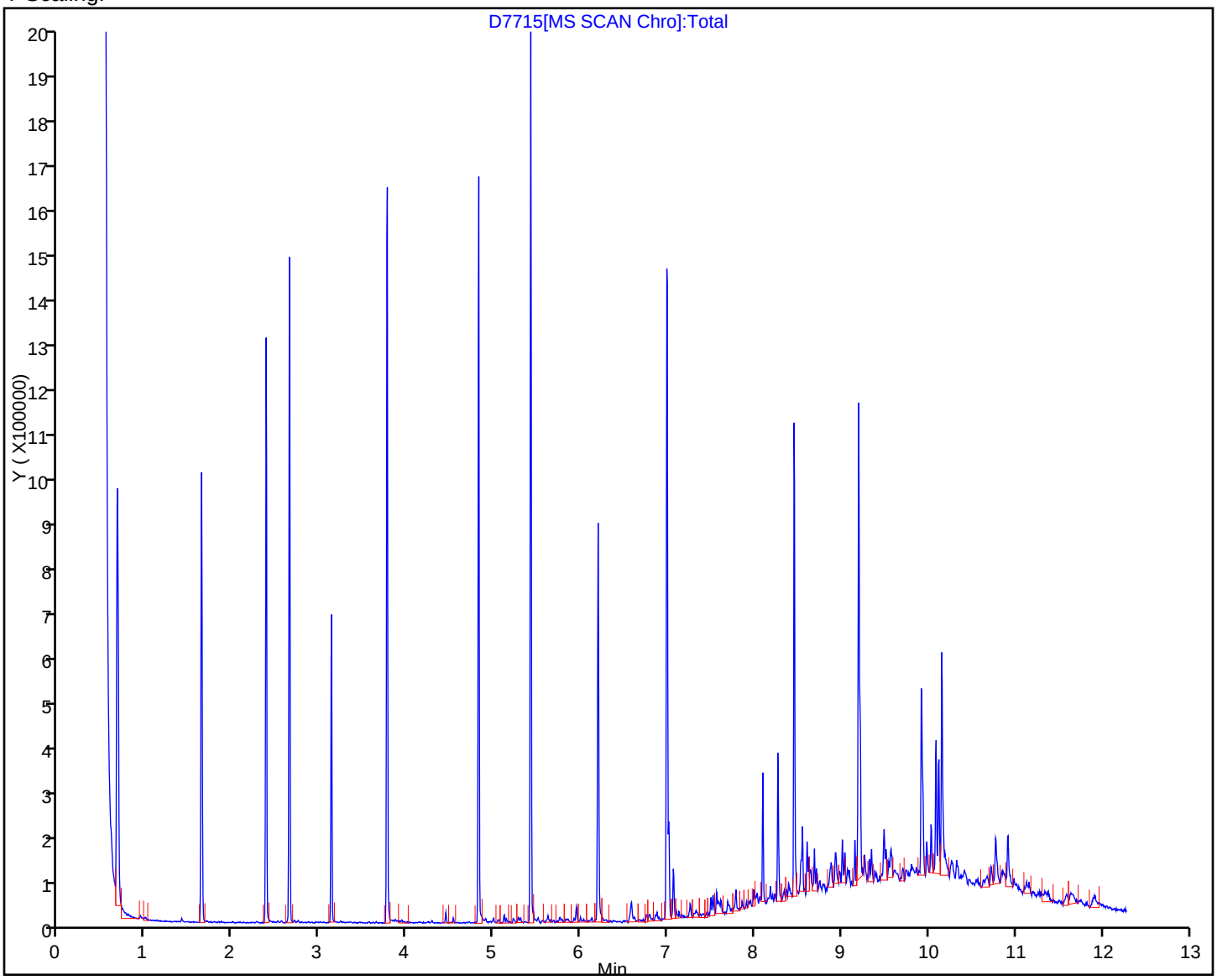
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 14:40:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7715.D

Injection Date:	11-Mar-2011 14:17:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	16
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 14:40:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

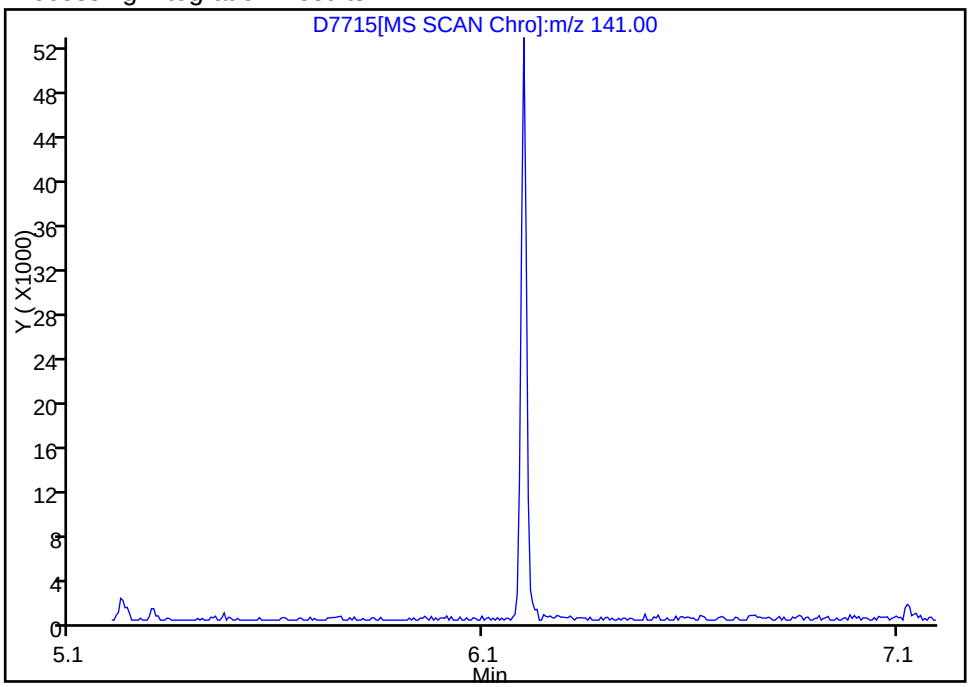
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7715.D		
Injection Date:	11-Mar-2011 14:17:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	16
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

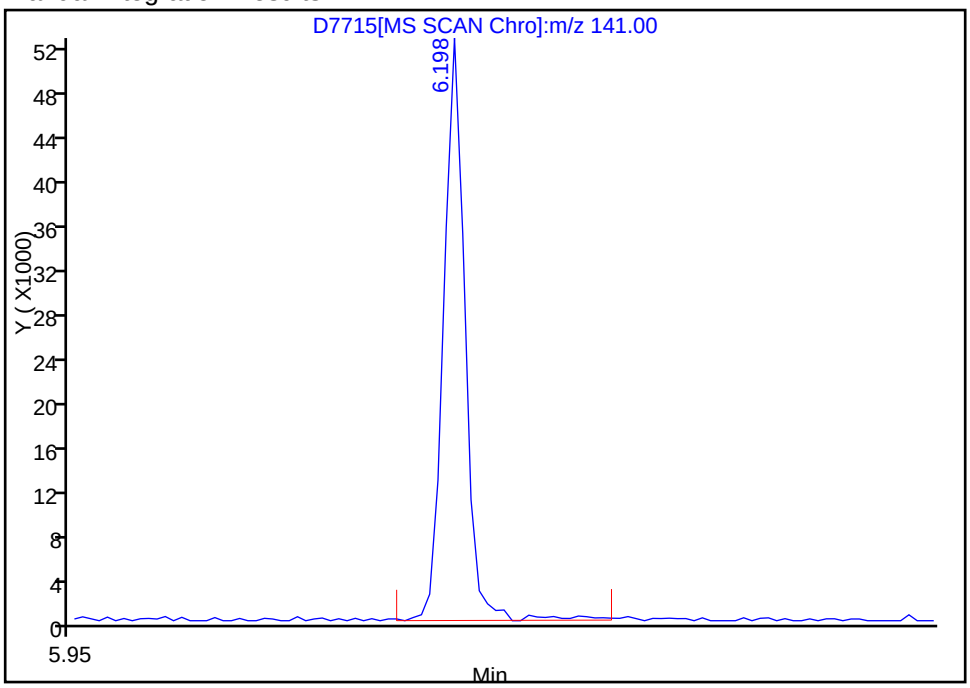
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 50648
Amount: 73.646480



Reviewer: squiresb, 11-Mar-2011 14:40:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: D7716.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:50

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.43(g) | Date Analyzed: 03/11/2011 14:35

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.8		1.8	0.76
100-51-6	Benzyl alcohol	<0.36		0.36	0.046
111-91-1	Bis(2-chloroethoxy)methane	<0.36		0.36	0.035
111-44-4	Bis(2-chloroethyl)ether	<0.36		0.36	0.065
39638-32-9	Bis(2-chloroisopropyl) ether	<0.36		0.36	0.061
117-81-7	Bis(2-ethylhexyl) phthalate	<0.71		0.71	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.36		0.36	0.051
85-68-7	Butyl benzyl phthalate	<0.36		0.36	0.043
86-74-8	Carbazole	<0.36		0.36	0.051
59-50-7	4-Chloro-3-methylphenol	<0.36		0.36	0.044
91-58-7	2-Chloronaphthalene	<0.36		0.36	0.034
95-57-8	2-Chlorophenol	<0.36		0.36	0.065
7005-72-3	4-Chlorophenyl phenyl ether	<0.36		0.36	0.033
132-64-9	Dibenzofuran	<0.36		0.36	0.021
84-74-2	Dibutylphthalate	<0.36		0.36	0.16
95-50-1	1,2-Dichlorobenzene	<0.36		0.36	0.076
541-73-1	1,3-Dichlorobenzene	<0.36		0.36	0.081
106-46-7	1,4-Dichlorobenzene	<0.36		0.36	0.082
91-94-1	3,3'-Dichlorobenzidine	<0.71		0.71	0.033
120-83-2	2,4-Dichlorophenol	<0.36		0.36	0.046
84-66-2	Diethyl phthalate	<0.36		0.36	0.038
105-67-9	2,4-Dimethylphenol	<0.36		0.36	0.041
131-11-3	Dimethyl phthalate	<0.36		0.36	0.034
534-52-1	4,6-Dinitro-2-methylphenol	<0.71		0.71	0.070
51-28-5	2,4-Dinitrophenol	<1.8		1.8	0.026
121-14-2	2,4-Dinitrotoluene	<0.36		0.36	0.065
606-20-2	2,6-Dinitrotoluene	<0.36		0.36	0.055
117-84-0	Di-n-octyl phthalate	<0.36		0.36	0.034
118-74-1	Hexachlorobenzene	<0.36		0.36	0.022
87-68-3	Hexachloro-1,3-butadiene	<0.36		0.36	0.051
77-47-4	Hexachlorocyclopentadiene	<0.36		0.36	0.11
67-72-1	Hexachloroethane	<0.36		0.36	0.074
78-59-1	Isophorone	<0.36		0.36	0.033
91-57-6	2-Methylnaphthalene	<0.36		0.36	0.030

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: D7716.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:50

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.43(g) | Date Analyzed: 03/11/2011 14:35

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.36		0.36	0.046
15831-10-4	3 & 4 Methylphenol	<0.36		0.36	0.039
88-74-4	2-Nitroaniline	<0.71		0.71	0.072
99-09-2	3-Nitroaniline	<0.71		0.71	0.074
100-01-6	4-Nitroaniline	<0.71		0.71	0.065
98-95-3	Nitrobenzene	<0.36		0.36	0.048
88-75-5	2-Nitrophenol	<0.36		0.36	0.060
100-02-7	4-Nitrophenol	<1.8		1.8	0.087
62-75-9	N-Nitrosodimethylamine	<0.36		0.36	0.071
621-64-7	N-Nitrosodi-n-propylamine	<0.36		0.36	0.034
86-30-6	N-Nitrosodiphenylamine	<0.36		0.36	0.068
106-47-8	p-Chloroaniline	<0.36		0.36	0.035
87-86-5	Pentachlorophenol	<0.71		0.71	0.064
108-95-2	Phenol	<0.36		0.36	0.057
120-82-1	1,2,4-Trichlorobenzene	<0.36		0.36	0.046
95-95-4	2,4,5-Trichlorophenol	<0.36		0.36	0.093
88-06-2	2,4,6-Trichlorophenol	<0.36		0.36	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	71		14-104
367-12-4	2-Fluorophenol	63		10-102
4165-60-0	Nitrobenzene-d5	74		10-105
4165-62-2	Phenol-d5	65		10-94
1718-51-0	Terphenyl-d14	98		31-119
118-79-6	2,4,6-Tribromophenol	82		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7716.D		
Lims ID:	510-62781-J-4-B	Client ID:	SB0058:TP2:040050
Inject. Date:	11-Mar-2011 14:35:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-4		
Misc. Info.:	510-0004516-017 =510-0004516-017		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	77240	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 14:00:55	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 15:00:30

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.636	1.636	0.0	85	459525	62.9	
$ 34 Phenol-d5	99	2.384	2.384	0.0	0	498899	65.0	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	93	240476	40.0	
$ 49 Nitrobenzene-d5	82	3.131	3.132	-0.001	82	216743	36.8	
* 57 Naphthalene-d8	136	3.773	3.773	-0.001	99	730469	40.0	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	97	536656	35.5	
* 73 Acenaphthene-d10	164	5.423	5.429	-0.006	92	437465	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	58496	82.0	M
* 90 Phenanthrene-d10	188	6.994	6.994	0.0	98	612061	40.0	
$ 98 Terphenyl-d14	244	8.458	8.452	0.006	97	382588	49.2	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	95	341021	40.0	
* 109 Perylene-d12	264	10.151	10.162	-0.011	95	194041	40.0	

QC Flag Legend

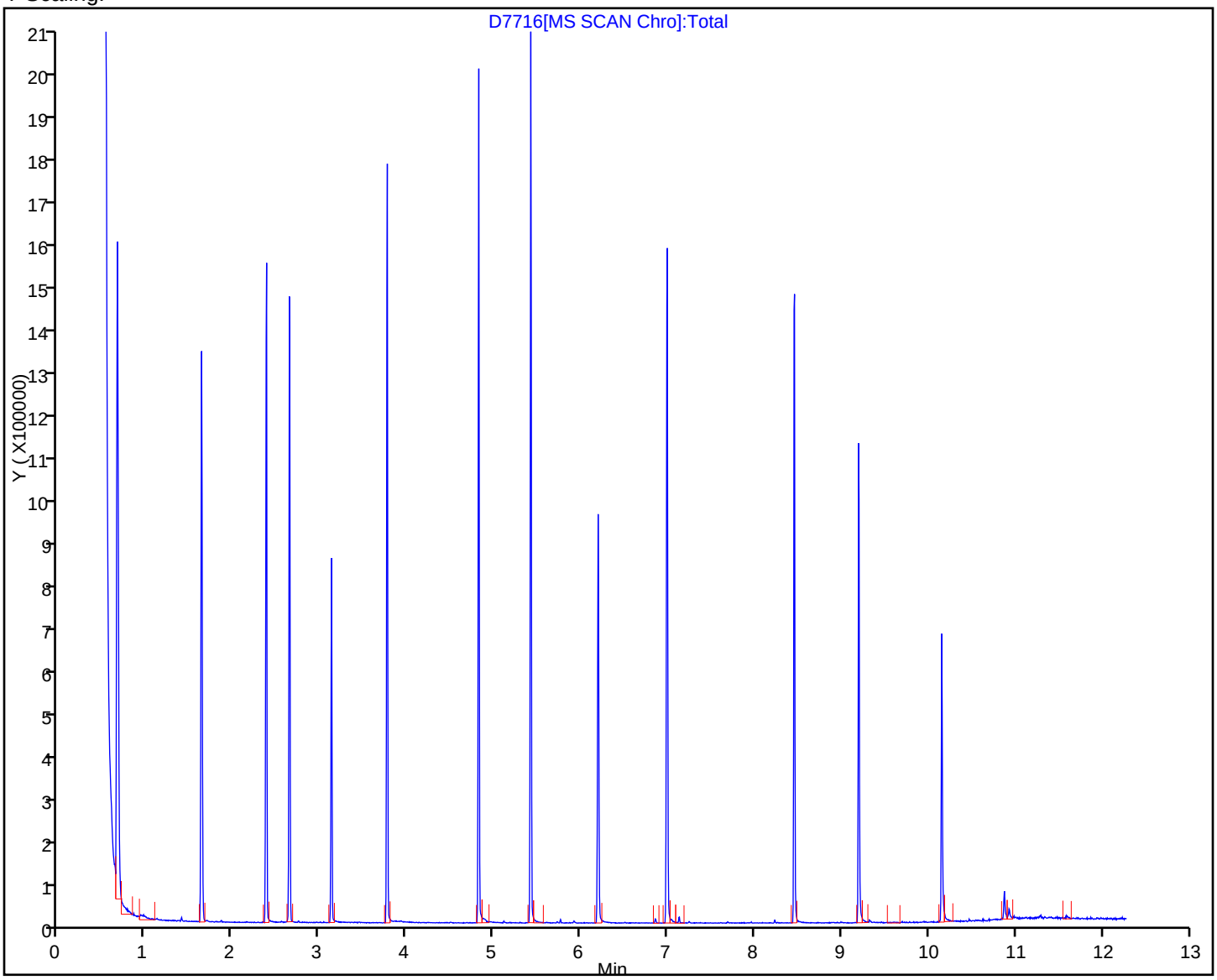
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 15:00:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7716.D

Injection Date:	11-Mar-2011 14:35:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	17
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 15:00:31 Chrom Revision: 1.2 29-Oct-2010 14:13:24

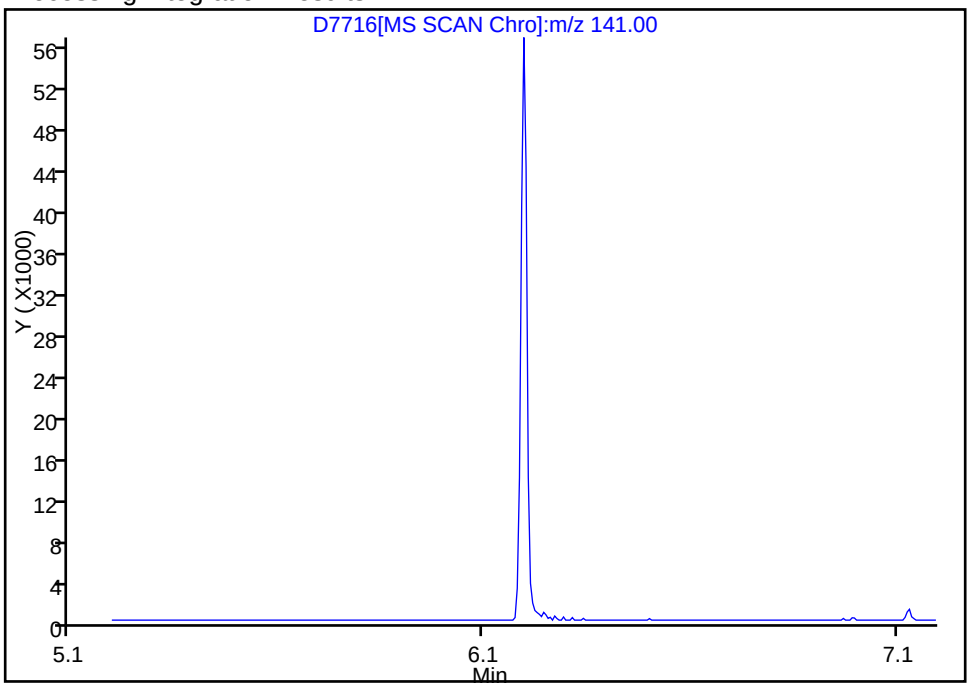
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7716.D		
Injection Date:	11-Mar-2011 14:35:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	17
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

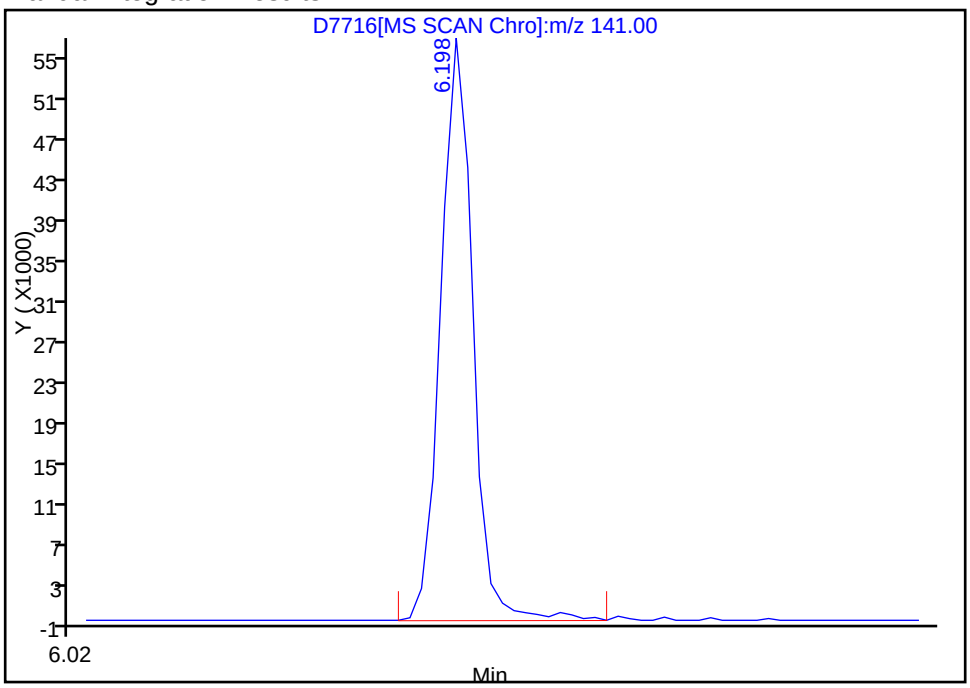
Not Detected
Expected RT: 6.20

Processing Integration Results



Manual Integration Results

RT: 6.20
Response: 58496
Amount: 82.029631



Reviewer: squiresb, 11-Mar-2011 15:00:30
Audit Action: Manually Integrated
Audit Reason: Other

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: D7717.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:30

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.59(g) | Date Analyzed: 03/11/2011 14:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.8		1.8	0.75
100-51-6	Benzyl alcohol	<0.35		0.35	0.045
111-91-1	Bis(2-chloroethoxy)methane	<0.35		0.35	0.034
111-44-4	Bis(2-chloroethyl)ether	<0.35		0.35	0.065
39638-32-9	Bis(2-chloroisopropyl) ether	<0.35		0.35	0.060
117-81-7	Bis(2-ethylhexyl) phthalate	<0.71		0.71	0.11
101-55-3	4-Bromophenyl phenyl ether	<0.35		0.35	0.050
85-68-7	Butyl benzyl phthalate	<0.35		0.35	0.043
86-74-8	Carbazole	<0.35		0.35	0.051
59-50-7	4-Chloro-3-methylphenol	<0.35		0.35	0.044
91-58-7	2-Chloronaphthalene	<0.35		0.35	0.033
95-57-8	2-Chlorophenol	<0.35		0.35	0.064
7005-72-3	4-Chlorophenyl phenyl ether	<0.35		0.35	0.033
132-64-9	Dibenzofuran	<0.35		0.35	0.021
84-74-2	Dibutylphthalate	<0.35		0.35	0.16
95-50-1	1,2-Dichlorobenzene	<0.35		0.35	0.075
541-73-1	1,3-Dichlorobenzene	<0.35		0.35	0.080
106-46-7	1,4-Dichlorobenzene	<0.35		0.35	0.081
91-94-1	3,3'-Dichlorobenzidine	<0.71		0.71	0.033
120-83-2	2,4-Dichlorophenol	<0.35		0.35	0.045
84-66-2	Diethyl phthalate	<0.35		0.35	0.038
105-67-9	2,4-Dimethylphenol	<0.35		0.35	0.040
131-11-3	Dimethyl phthalate	<0.35		0.35	0.033
534-52-1	4,6-Dinitro-2-methylphenol	<0.71		0.71	0.069
51-28-5	2,4-Dinitrophenol	<1.8		1.8	0.026
121-14-2	2,4-Dinitrotoluene	<0.35		0.35	0.065
606-20-2	2,6-Dinitrotoluene	<0.35		0.35	0.054
117-84-0	Di-n-octyl phthalate	<0.35		0.35	0.034
118-74-1	Hexachlorobenzene	<0.35		0.35	0.022
87-68-3	Hexachloro-1,3-butadiene	<0.35		0.35	0.051
77-47-4	Hexachlorocyclopentadiene	<0.35		0.35	0.11
67-72-1	Hexachloroethane	<0.35		0.35	0.074
78-59-1	Isophorone	<0.35		0.35	0.033
91-57-6	2-Methylnaphthalene	<0.35		0.35	0.029

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: D7717.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:30

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.59(g) | Date Analyzed: 03/11/2011 14:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.35		0.35	0.046
15831-10-4	3 & 4 Methylphenol	<0.35		0.35	0.039
88-74-4	2-Nitroaniline	<0.71		0.71	0.071
99-09-2	3-Nitroaniline	<0.71		0.71	0.073
100-01-6	4-Nitroaniline	<0.71		0.71	0.064
98-95-3	Nitrobenzene	<0.35		0.35	0.047
88-75-5	2-Nitrophenol	<0.35		0.35	0.060
100-02-7	4-Nitrophenol	<1.8		1.8	0.086
62-75-9	N-Nitrosodimethylamine	<0.35		0.35	0.070
621-64-7	N-Nitrosodi-n-propylamine	<0.35		0.35	0.034
86-30-6	N-Nitrosodiphenylamine	<0.35		0.35	0.068
106-47-8	p-Chloroaniline	<0.35		0.35	0.035
87-86-5	Pentachlorophenol	<0.71		0.71	0.063
108-95-2	Phenol	<0.35		0.35	0.056
120-82-1	1,2,4-Trichlorobenzene	<0.35		0.35	0.046
95-95-4	2,4,5-Trichlorophenol	<0.35		0.35	0.092
88-06-2	2,4,6-Trichlorophenol	<0.35		0.35	0.099

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	68		14-104
367-12-4	2-Fluorophenol	57		10-102
4165-60-0	Nitrobenzene-d5	67		10-105
4165-62-2	Phenol-d5	59		10-94
1718-51-0	Terphenyl-d14	88		31-119
118-79-6	2,4,6-Tribromophenol	81		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7717.D		
Lims ID:	510-62781-J-5-B	Client ID:	SB0058: FIELD DUPLICATE
Inject. Date:	11-Mar-2011 14:53:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-5		
Misc. Info.:	510-0004516-018 =510-0004516-018		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	77240	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 14:00:55	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	14-Mar-2011 10:18:52

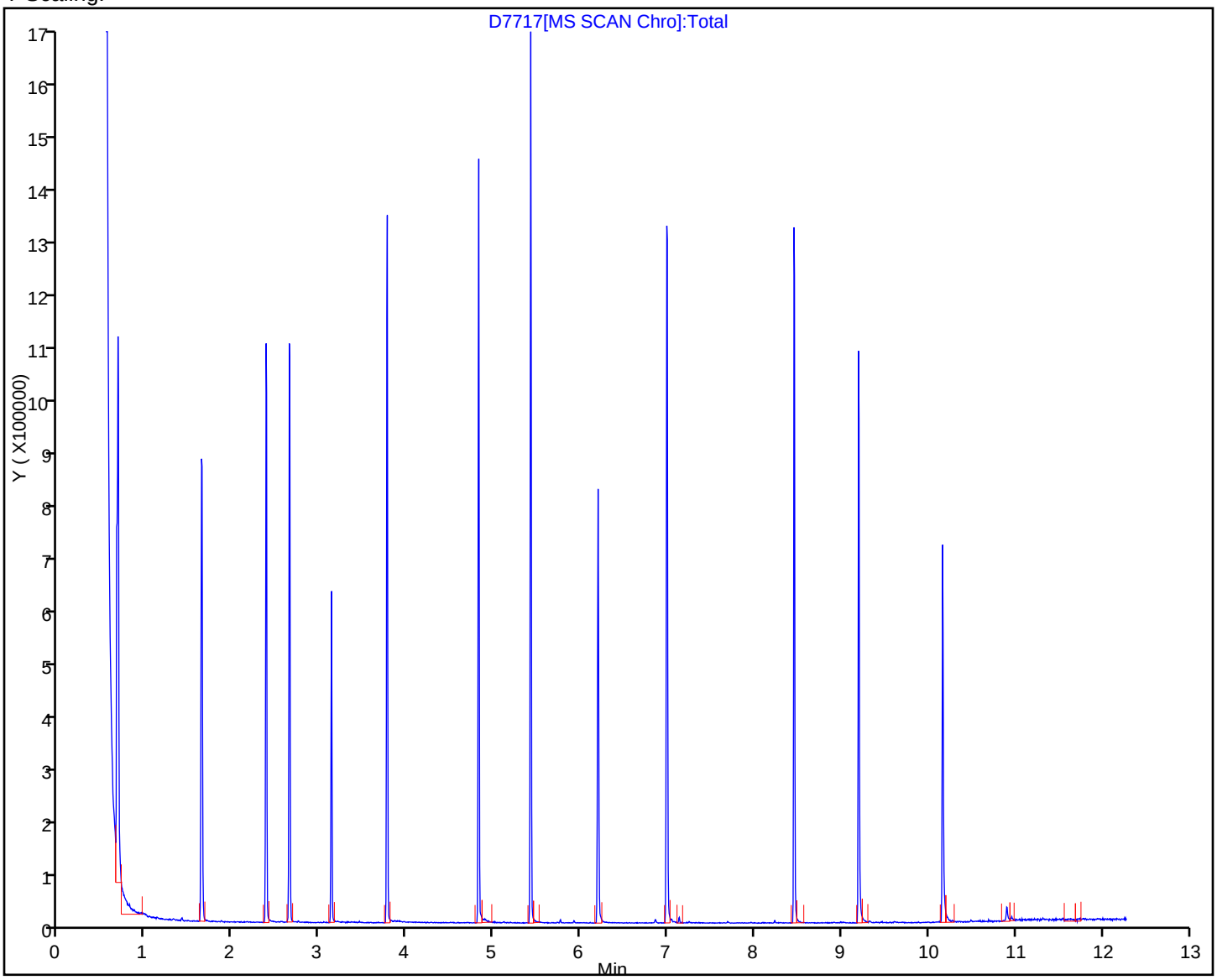
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.641	1.636	0.005	84	325050	57.6	
$ 34 Phenol-d5	99	2.378	2.384	-0.006	0	351406	59.4	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	93	185536	40.0	
$ 49 Nitrobenzene-d5	82	3.131	3.132	-0.001	82	149687	33.8	
* 57 Naphthalene-d8	136	3.772	3.773	-0.001	99	550148	40.0	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	98	401208	33.9	
* 73 Acenaphthene-d10	164	5.423	5.429	-0.006	92	342315	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	1	45010	80.7	
* 90 Phenanthrene-d10	188	6.988	6.994	-0.006	97	512364	40.0	
$ 98 Terphenyl-d14	244	8.457	8.452	0.005	96	329576	43.9	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	96	328865	40.0	
* 109 Perylene-d12	264	10.162	10.162	0.0	94	214484	40.0	

Report Date: 14-Mar-2011 10:18:53 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7717.D

Injection Date:	11-Mar-2011 14:53:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	18
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD005 510-75445/2	D7331.D
Level 2	SSTD010 510-75445/3	D7332.D
Level 3	SSTD020 510-75445/4	D7333.D
Level 4	SSTD030 510-75445/5	D7334.D
Level 5	SSTD040 510-75445/6	D7335.D
Level 6	SSTD050 510-75445/7	D7336.D
Level 7	SSTD060 510-75445/8	D7337.D
Level 8	SSTD080 510-75445/9	D7338.D
Level 9	SSTD100 510-75445/10	D7339.D
Level 10	SSTD120 510-75445/11	D7340.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 LVL 10		B	M1	M2								
1,4-Dioxane	0.5641 0.5030	0.6715 0.4841	0.4952 0.4687	0.5504 0.4690	0.5164 0.4533	Ave		0.5176				12.0		15.0			
N-Nitrosodimethylamine	0.6391 0.6025	0.6854 0.6317	0.6861 0.6026	0.5528 0.6071	0.6845 0.5854	Ave		0.6277				7.4		15.0			
Pyridine	1.2142 1.0918	1.3772 1.1245	1.2785 1.0689	1.0192 1.0702	1.2200 1.0491	Ave		1.1513				10.0		15.0			
Phenol	1.4293 1.1966	1.4177 1.1634	1.4084 1.2079	1.0941 1.0593	1.3550 1.0817	Ave		1.2413				12.0		15.0			
Aniline	+++++ 1.1524	+++++ 1.0617	1.4353 0.9909	1.0879 +++++	1.2870 +++++	Ave		1.1692				14.0		15.0			
Bis(2-chloroethyl)ether	1.1227 0.9331	1.0043 0.9429	1.0664 0.9858	0.8443 0.9356	1.0677 1.0806	Ave		0.9983				8.6		15.0			
2-Chlorophenol	1.4562 1.1727	1.4594 1.1625	1.4143 1.1084	1.1011 1.0703	1.3557 1.0856	Ave		1.2386				13.0		15.0			
1,3-Dichlorobenzene	+++++ 0.8241	+++++ 0.9000	1.0176 0.7832	0.7211 0.8949	0.9643 0.7308	Ave		0.8545				13.0		15.0			
1,4-Dichlorobenzene	1.6190 1.4012	1.6453 1.3828	1.5722 1.3123	1.2580 1.3120	1.5712 1.2623	Ave		1.4336				11.0		15.0			
Benzyl alcohol	0.8400 0.7126	0.7519 0.6934	0.8112 0.7081	0.6521 0.6558	0.7832 0.6915	Ave		0.7300				8.8		15.0			
1,2-Dichlorobenzene	1.5611 1.3207	1.4688 1.2958	1.4964 1.2360	1.2057 1.2371	1.4850 1.1896	Ave		1.3496				10.0		15.0			
2-Methylphenol	1.1880 0.9047	1.0410 0.8957	1.0977 0.8866	0.8649 0.8221	1.0424 0.8752	Ave		0.9618				13.0		15.0			
Bis(2-chloroisopropyl) ether	1.0466 0.8203	0.8675 0.8356	0.9195 0.8507	0.7593 0.7953	0.9244 0.8141	Ave		0.8633				9.5		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

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 LVL 10		B	M1	M2								
Acetophenone	1.5402 1.2499	1.2435 1.1720	1.4194 1.1472	1.1453 1.0553	1.3893 1.0868	Ave		1.2449				13.0		15.0			
3 & 4 Methylphenol	1.1976 0.9417	1.0188 0.9025	1.0962 0.8815	0.8938 0.8375	1.0767 0.8887	Ave		0.9735				12.0		15.0			
N-Nitrosodi-n-propylamine	0.7004 0.5596	0.5447 0.5600	0.6435 0.5730	0.5317 0.5137	0.6412 0.5527	Ave		0.5820			0.0500	10.0		15.0			
Hexachloroethane	0.5324 0.4779	0.5384 0.4894	0.5228 0.4808	0.4338 0.4754	0.5358 0.4617	Ave		0.4948				7.2		15.0			
Nitrobenzene	0.3266 0.2839	0.3164 0.2836	0.3246 0.2739	0.2689 0.2675	0.3034 0.2535	Ave		0.2902				8.9		15.0			
Isophorone	0.5807 0.4926	0.4890 0.4592	0.5439 0.4512	0.4555 0.3940	0.5228 0.3967	Ave		0.4785				13.0		15.0			
2-Nitrophenol	0.2442 0.2214	0.2204 0.2255	0.2457 0.2213	0.2020 0.2134	0.2336 0.2095	Ave		0.2237				6.3		15.0			
2,4-Dimethylphenol	0.4206 0.3544	0.3667 0.3454	0.4078 0.3384	0.3343 0.3189	0.3753 0.3180	Ave		0.3580				9.8		15.0			
Benzoic acid	0.2239 0.2775	0.1724 0.2802	0.2586 0.2602	0.2587 0.2640	0.2585 0.2562	Ave		0.2510				13.0		15.0			
Bis(2-chloroethoxy)methane	1.2976 1.0074	1.0004 0.9908	1.1184 1.0010	0.9321 0.8986	1.1399 0.9663	Ave		1.0352				11.0		15.0			
2,4-Dichlorophenol	0.6007 0.5480	0.6548 0.5512	0.6518 0.5298	0.4903 0.5399	0.6136 0.5017	Ave		0.5682				10.0		15.0			
1,2,4-Trichlorobenzene	0.3969 0.3384	0.3644 0.3503	0.3836 0.3360	0.3192 0.3247	0.3635 0.3049	Ave		0.3482				8.4		15.0			
4-Chlorophenol	0.4846 0.4104	0.3755 0.3727	0.4201 0.3872	0.4243 0.3488	0.3936 0.3609	Ave		0.3978				9.9		15.0			
Naphthalene	+++++ 0.9882	1.2169 0.9388	1.1854 0.8531	0.9548 0.8577	1.1207 0.7967	Ave		0.9903				15.0		15.0			
p-Chloroaniline	+++++ 0.3848	0.4489 0.3314	0.4484 0.3256	0.3486 +++++	0.4074 +++++	Ave		0.3850				14.0		15.0			
Hexachloro-1,3-butadiene	0.2186 0.1898	0.1948 0.2003	0.2088 0.1985	0.1764 0.1970	0.2042 0.1827	Ave		0.1971				6.2		15.0			
4-Chloro-3-methylphenol	0.3417 0.2924	0.2710 0.2741	0.3116 0.2812	0.2776 0.2515	0.2948 0.2631	Ave		0.2859				9.1		15.0			
2-Methylnaphthalene	0.7612 0.6206	0.6293 0.5999	0.6738 0.5780	0.5868 0.5448	0.6468 0.5288	Ave		0.6170				11.0		15.0			
Hexachlorocyclopentadiene	0.2152 0.2352	0.2014 +++++	0.2832 +++++	0.2086 +++++	0.2470 +++++	Ave		0.2318			0.0500	13.0		15.0			
2,4,6-Trichlorophenol	0.4034 0.3823	0.3793 0.3809	0.4076 0.3725	0.3275 0.3583	0.3955 0.3542	Ave		0.3762				6.5		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

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 LVL 10		B	M1	M2								
2,4,5-Trichlorophenol	0.4626 0.3993	0.4160 0.4001	0.4650 0.3838	0.3750 0.3817	0.4485 0.3698	Ave		0.4102				8.8		15.0			
1,1'-Biphenyl	1.6961 1.4229	1.7445 1.3937	1.6839 1.2853	1.3302 1.3296	1.6052 1.1941	Ave		1.4686				13.0		15.0			
2-Chloronaphthalene	1.3665 1.1163	1.3424 1.1082	1.3282 1.0387	1.0256 1.0560	1.2621 0.9766	Ave		1.1621				13.0		15.0			
2-Nitroaniline	0.2737 0.2457	0.2558 0.2419	0.2651 0.2512	0.2264 0.2290	0.2513 0.2333	Ave		0.2474				6.2		15.0			
Dimethyl phthalate	1.4723 1.1984	1.3650 1.1835	1.3223 1.1464	1.1512 1.0330	1.2905 1.0643	Ave		1.2227				11.0		15.0			
2,6-Dinitrotoluene	0.3550 0.3181	0.3314 0.3236	0.3497 0.3241	0.3059 0.2912	0.3407 0.2984	Ave		0.3238				6.6		15.0			
Acenaphthylene	2.1585 1.7213	2.0828 1.6280	2.0389 1.5256	1.6407 1.5143	1.9229 1.3907	Ave		1.7624				15.0		15.0			
3-Nitroaniline	0.3570 0.3292	0.3199 0.3071	0.3353 0.2967	0.3083 0.2739	0.3334 0.2800	Ave		0.3141				8.3		15.0			
Acenaphthene	1.3261 1.1514	1.2725 1.1103	1.3096 1.0623	1.0626 1.0430	1.2305 0.9908	Ave		1.1559				10.0		15.0			
2,4-Dinitrophenol	+++++ 0.2026	+++++ 0.2126	0.1537 0.2186	0.1903 0.1876	0.1697 0.2164	Ave		0.1939			0.0500	12.0		15.0			
4-Nitrophenol	0.1314 0.1427	0.1070 0.1410	0.1319 0.1420	0.1332 0.1259	0.1356 0.1417	Ave		0.1332			0.0500	8.1		15.0			
2,4-Dinitrotoluene	0.4754 0.3951	0.3728 0.3896	0.3908 0.3958	0.3722 0.3303	0.4071 0.3714	Ave		0.3900				9.4		15.0			
Dibenzofuran	1.8681 1.5238	1.7707 1.4413	1.7206 1.3765	1.4303 1.3199	1.6400 1.2416	Ave		1.5333				14.0		15.0			
Diethyl phthalate	1.3576 1.1046	1.1674 1.0931	1.1625 1.0985	1.0599 0.9164	1.1571 0.9886	Ave		1.1106				11.0		15.0			
Fluorene	1.5447 1.2625	1.4190 1.2096	1.4001 1.1812	1.2157 1.0874	1.3354 1.0673	Ave		1.2723				12.0		15.0			
4-Chlorophenyl phenyl ether	0.6916 0.5746	0.6354 0.5851	0.6298 0.5746	0.5579 0.5126	0.6011 0.5304	Ave		0.5893				9.0		15.0			
4-Nitroaniline	0.3491 0.2883	0.3120 0.2882	0.3094 0.3058	0.2826 0.2500	0.3133 0.2833	Ave		0.2982				8.8		15.0			
4,6-Dinitro-2-methylphenol	0.1235 0.1607	0.1036 0.1708	0.1482 0.1657	0.1484 0.1614	0.1473 0.1609	Ave		0.1490				14.0		15.0			
N-Nitrosodiphenylamine	0.8954 0.7312	0.8406 0.7195	0.8665 0.6744	0.6713 0.6908	0.8032 0.6168	Ave		0.7510				13.0		15.0			
1,2-Diphenylhydrazine	0.6847 0.5843	0.6647 0.5687	0.6719 0.5371	0.5243 0.5693	0.6247 0.5027	Ave		0.5932				11.0		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 CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

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 LVL 10		B	M1	M2								
4-Bromophenyl phenyl ether	0.2384 0.2095	0.2205 0.2163	0.2314 0.2136	0.1994 0.2080	0.2234 0.2018	Ave		0.2162				5.8		15.0			
Hexachlorobenzene	0.2292 0.1966	0.2162 0.1999	0.2202 0.1984	0.1793 0.1957	0.2113 0.1840	Ave		0.2031				7.8		15.0			
Pentachlorophenol	0.1106 0.1497	0.1113 0.1614	0.1503 0.1607	0.1385 0.1495	0.1497 0.1536	Ave		0.1435				13.0		15.0			
Phenanthrene	+++++ 1.0684	1.3016 1.0216	1.2533 0.9138	1.0135 0.9931	1.1927 0.8794	Ave		1.0708				14.0		15.0			
Anthracene	+++++ 1.1116	1.2934 1.0452	1.3041 0.9403	1.0573 0.9989	1.2374 0.8773	Ave		1.0962				14.0		15.0			
Carbazole	1.2793 0.9841	1.1849 0.9244	1.1081 0.8459	0.9489 0.8387	1.0884 0.7959	Qua	1.9331	1.0277	-0.002						0.9960		0.9950
Dibutylphthalate	1.3892 1.0703	1.1345 1.0837	1.1767 0.9873	1.0713 0.8917	1.1481 0.8986	Ave		1.0852				13.0		15.0			
Fluoranthene	1.3363 1.0686	1.2552 1.0423	1.2024 0.9358	1.0524 0.9309	1.1667 0.8930	Ave		1.0884				14.0		15.0			
Benzidine	+++++ 0.2773	+++++ 0.2348	+++++ 0.2093	0.2373 0.2209	0.2931 +++++	Ave		0.2454				13.0		15.0			
Pyrene	+++++ 1.4447	1.7151 1.2820	1.6996 1.3064	1.4048 1.3122	1.7107 1.1964	Ave		1.4524				14.0		15.0			
Butyl benzyl phthalate	0.7178 0.6258	0.5874 0.6451	0.6842 0.6543	0.6246 0.5732	0.6533 0.6164	Ave		0.6382				6.7		15.0			
3,3'-Dichlorobenzidine	0.4017 0.4401	0.3764 0.4404	0.4542 0.4139	0.3735 0.4289	0.4241 0.4137	Ave		0.4167				6.4		15.0			
Benzo[a]anthracene	1.5521 1.2548	1.2821 1.1796	1.3794 1.0961	1.2030 1.1787	1.3678 1.1931	Ave		1.2687				10.0		15.0			
Bis(2-ethylhexyl) phthalate	0.8970 0.7362	0.7043 0.7704	0.8080 0.7528	0.7379 0.6457	0.7879 0.7106	Ave		0.7551				9.0		15.0			
Chrysene	1.4947 1.2259	1.2665 1.1773	1.3529 1.1129	1.1448 1.1381	1.3652 1.0071	Ave		1.2285				12.0		15.0			
Di-n-octyl phthalate	1.7354 1.6288	1.4329 1.7953	1.6640 1.6449	1.5962 1.4452	1.9347 1.5290	Ave		1.6407				9.4		15.0			
Benzo[b]fluoranthene	1.5069 1.3236	1.4163 1.3874	1.6408 1.3098	1.3474 1.3722	1.5533 1.3291	Ave		1.4187				7.9		15.0			
Benzo[k]fluoranthene	1.6754 1.6215	1.7368 1.6559	1.6484 1.4873	1.3104 1.4034	1.9090 1.2917	Ave		1.5740				13.0		15.0			
Benzo[a]pyrene	1.4798 1.3837	1.4269 1.4189	1.3930 1.3072	1.1836 1.3377	1.5889 1.1728	Ave		1.3692				9.3		15.0			
Indeno[1,2,3-cd]pyrene	1.2921 1.2908	1.1400 1.3919	1.3465 1.3225	1.1291 1.3267	1.3412 1.2748	Ave		1.2856				6.7		15.0			

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

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

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 LVL 10		B	M1	M2								
Dibenz(a,h)anthracene	1.0434 1.1152	0.8888 1.1665	1.0926 1.1126	0.9502 1.0697	1.0973 1.0657	Ave		1.0602				7.8		15.0			
Benzo[g,h,i]perylene	1.1160 1.1300	1.1074 1.1923	1.2071 1.1116	0.9977 1.1356	1.2007 1.0932	Ave		1.1291				5.5		15.0			
2-Fluorophenol	1.3190 1.1386	1.5277 1.1474	1.3707 1.1156	1.0829 1.0612	1.3127 1.0881	Ave		1.2164				13.0		15.0			
Phenol-d5	1.4715 1.2278	1.4280 1.2095	1.4221 1.1908	1.1373 1.1129	1.3785 1.1833	Ave		1.2762				11.0		15.0			
Nitrobenzene-d5	+++++ 0.3232	0.3455 0.3278	0.3574 0.3123	0.2944 0.3081	0.3404 0.2912	Ave		0.3222				7.1		15.0			
2-Fluorobiphenyl	1.6005 1.3383	1.6017 1.3309	1.6098 1.2329	1.2291 1.2380	1.5052 1.1424	Ave		1.3829				13.0		15.0			
2,4,6-Tribromophenol	0.0677 0.0636	0.0656 0.0680	0.0607 0.0674	0.0661 0.0584	0.0686 0.0659	Ave		0.0652				5.2		15.0			
Terphenyl-d14	1.1541 0.8806	0.9494 0.8439	0.9780 0.8729	0.8624 0.7918	0.9834 0.8128	Ave		0.9129				12.0		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.: 510-62781-1 Analy Batch No.: 75445

SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	SSTD005 510-75445/2	D7331.D
Level 2	SSTD010 510-75445/3	D7332.D
Level 3	SSTD020 510-75445/4	D7333.D
Level 4	SSTD030 510-75445/5	D7334.D
Level 5	SSTD040 510-75445/6	D7335.D
Level 6	SSTD050 510-75445/7	D7336.D
Level 7	SSTD060 510-75445/8	D7337.D
Level 8	SSTD080 510-75445/9	D7338.D
Level 9	SSTD100 510-75445/10	D7339.D
Level 10	SSTD120 510-75445/11	D7340.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 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dioxane	DCB	Ave	16786 114827	29005 183951	61024 227036	108315 221543	77638 251554	4.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodimethylamine	DCB	Ave	23769 137529	29607 240025	84538 291885	108774 286764	102917 324841	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Pyridine	DCB	Ave	45159 249218	59490 427259	157535 517797	200553 505512	183420 582129	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Phenol	DCB	Ave	53162 273155	61238 442025	173543 585092	215291 500382	203717 600266	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Aniline	DCB	Ave	+++++ 263054	+++++ 403400	176854 479988	214074 +++++	193492 +++++	+++++ 50.0	+++++ 60.0	20.0 80.0	30.0 +++++	40.0 +++++
Bis(2-chloroethyl)ether	DCB	Ave	41758 212999	43381 358254	131397 477522	166134 441947	160520 599645	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Chlorophenol	DCB	Ave	54162 267698	63037 441691	174274 536895	216679 505595	203825 602407	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,3-Dichlorobenzene	ANT	Ave	+++++ 326299	+++++ 545397	197263 653469	255134 634361	240345 714007	+++++ 50.0	+++++ 60.0	20.0 80.0	30.0 100	40.0 120
1,4-Dichlorobenzene	DCB	Ave	60217 319855	71069 525390	193722 635674	247545 619762	236215 700469	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzyl alcohol	DCB	Ave	31244 162666	32477 263457	99951 343005	128320 309785	117753 383740	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2-Dichlorobenzene	DCB	Ave	58063 301483	63444 492327	184386 598734	237255 584365	223260 660138	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Methylphenol	DCB	Ave	44187 206515	44968 340313	135263 429470	170195 388342	156721 485638	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-chloroisopropyl) ether	DCB	Ave	38926 187240	37470 317504	113298 412064	149419 375679	138972 451731	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acetophenone	DCB	Ave	57286 285323	53711 445289	174903 555700	225363 498484	208876 603093	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

FORM VI
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SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/03/2011 11:05 Calibration End Date: 02/03/2011 13:51 Calibration ID: 3711

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
3 & 4 Methylphenol	DCB	Ave	44542 214961	44008 342912	135076 427016	175880 395630	161874 493133	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodi-n-propylamine	DCB	Ave	26050 127730	23529 212759	79287 277557	104621 242656	96405 306688	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachloroethane	DCB	Ave	19801 109081	23256 185951	64414 232917	85369 224560	80549 256178	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Nitrobenzene	NPT	Ave	37878 191587	38750 309932	116276 392115	155823 362659	139876 434911	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Isophorone	NPT	Ave	67338 332392	59893 501726	194856 645888	263994 534084	241019 680444	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Nitrophenol	NPT	Ave	28321 149408	26999 246353	88010 316851	117089 289352	107712 359392	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dimethylphenol	NPT	Ave	48781 239157	44919 377400	146083 484474	193750 432355	173037 545488	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzoic acid	NPT	Ave	25965 187253	21119 306218	92627 372511	149914 357940	119163 439455	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-chloroethoxy)methane	DCB	Ave	48262 229965	43213 376442	137808 484887	183409 424452	171372 536199	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dichlorophenol	ANT	Ave	42574 216994	39615 334053	126339 442021	173475 382705	152940 490140	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2,4-Trichlorobenzene	NPT	Ave	46025 228361	44633 382730	137433 481056	185017 440159	167595 522966	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Chlorophenol	NPT	Ave	112408 332356	91998 475075	225741 554303	327898 472898	226828 618999	10.0 60.0	20.0 70.0	30.0 80.0	40.0 100	50.0 120
Naphthalene	NPT	Ave	+++++ 666832	149057 1025801	424655 1221184	553355 1162752	516697 1366610	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
p-Chloroaniline	NPT	Ave	+++++ 259654	54986 362090	160638 466064	202044 +++++	187813 +++++	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 +++++	40.0 +++++
Hexachloro-1,3-butadiene	NPT	Ave	25354 128062	23866 218825	74796 284184	102222 267122	94151 313459	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Chloro-3-methylphenol	NPT	Ave	39624 197348	33195 299471	111639 402548	160879 340999	135938 451370	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Methylnaphthalene	NPT	Ave	88273 418815	77079 655546	241399 827345	340101 738513	298224 907115	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachlorocyclopentadiene	ANT	Ave	15252 93120	12183 +++++	54904 +++++	73820 +++++	61556 +++++	5.00 50.0	10.0 +++++	20.0 +++++	30.0 +++++	40.0 +++++
2,4,6-Trichlorophenol	ANT	Ave	28590 151364	22950 230809	79009 310783	115890 253966	98589 346110	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4,5-Trichlorophenol	ANT	Ave	32783 158123	25169 242434	90137 320205	132689 270535	111801 361327	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,1'-Biphenyl	ANT	Ave	120208 563401	105544 844576	326421 1072389	470667 942491	400114 1166697	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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SDG No.:

Instrument ID: SMSA GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

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ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chloronaphthalene	ANT	Ave	96849 442006	81215 671593	257453 866679	362874 748561	314582 954198	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Nitroaniline	ANT	Ave	19398 97281	15478 146600	51387 209614	80121 162329	62628 227986	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dimethyl phthalate	ANT	Ave	104346 474495	82582 717205	256320 956517	407342 732194	321674 1039850	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,6-Dinitrotoluene	ANT	Ave	25161 125956	20052 196094	67791 270423	108237 206441	84931 291511	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acenaphthylene	ANT	Ave	152982 681561	126010 986585	395231 1272858	580538 1073388	479280 1358758	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
3-Nitroaniline	ANT	Ave	25300 130364	19354 186088	64988 247525	109097 194180	83090 273612	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Acenaphthene	ANT	Ave	93985 455914	76986 672857	253849 886306	375991 739330	306712 968017	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dinitrophenol	ANT	Ave	+++++ 80218	+++++ 128864	29791 182360	67331 132998	42309 211400	+++++ 50.0	+++++ 60.0	20.0 80.0	30.0 100	40.0 120
4-Nitrophenol	ANT	Ave	9315 56510	6471 85442	25569 118484	47144 89230	33795 138419	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4-Dinitrotoluene	ANT	Ave	33690 156429	22554 236079	75757 330199	131703 234150	101481 362900	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibenzofuran	ANT	Ave	132397 603370	107127 873457	333527 1148500	506097 935630	408786 1213115	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Diethyl phthalate	ANT	Ave	96220 437363	70629 662454	225340 916568	375022 649555	288406 965887	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Fluorene	ANT	Ave	109479 499899	85846 733048	271399 985544	430139 770792	332850 1042827	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Chlorophenyl phenyl ether	ANT	Ave	49013 227510	38442 354565	122083 479398	197400 363333	149837 518188	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Nitroaniline	ANT	Ave	24745 114142	18877 174650	59977 255166	99989 177183	78101 276833	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4,6-Dinitro-2-methylphenol	PHN	Ave	12655 91628	8680 148371	38302 204832	79995 144999	50659 231202	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
N-Nitrosodiphenylamine	PHN	Ave	91767 416919	70451 625036	223920 833838	361925 620617	276188 886441	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
1,2-Diphenylhydrazine	PHN	Ave	70178 333155	55713 494019	173623 664030	282665 511478	214805 722498	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
4-Bromophenyl phenyl ether	PHN	Ave	24435 119456	18484 187856	59796 264148	107519 186830	76813 290028	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Hexachlorobenzene	PHN	Ave	23487 112090	18119 173624	56900 245252	96663 175825	72654 264477	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Pentachlorophenol	PHN	Ave	11339 85341	9332 140185	38840 198691	74678 134263	51456 220689	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Phenanthrene	PHN	Ave	+++++ 609181	109093 887441	323878 1129798	546450 892164	410094 1263903	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Anthracene	PHN	Ave	+++++ 633857	108404 907942	337011 1162603	570074 897330	425454 1260866	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Carbazole	PHN	Qua	131110 561152	99313 802969	286367 1045874	511601 753426	374244 1143783	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibutylphthalate	PHN	Ave	142371 610319	95091 941349	304099 1220728	577603 801048	394777 1291481	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Fluoranthene	PHN	Ave	136951 609348	105201 905443	310729 1157059	567427 836240	401149 1283366	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzidine	CRY	Ave	+++++ 359178	+++++ 722172	+++++ 703042	428300 567693	253006 +++++	+++++ 150	+++++ 260	+++++ 300	130 400	140 +++++
Pyrene	CRY	Ave	+++++ 623829	118078 910082	322423 1170212	585254 843031	421981 1290060	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Butyl benzyl phthalate	CRY	Ave	55596 270251	40438 457975	129788 586050	260210 368255	161138 664622	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
3,3'-Dichlorobenzidine	CRY	Ave	31112 190063	25914 312635	86173 370779	155581 275569	104623 446113	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[a]anthracene	CRY	Ave	120207 541855	88267 837370	261679 981796	501159 757273	337402 1286496	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Bis(2-ethylhexyl) phthalate	CRY	Ave	69473 317907	48491 546920	153273 674335	307398 414826	194336 766229	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Chrysene	CRY	Ave	115761 529378	87192 835711	256648 996881	476912 731226	336755 1085971	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Di-n-octyl phthalate	PRY	Ave	93178 528572	66846 919386	237153 1122117	472004 711519	294052 1278787	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[b]fluoranthene	PRY	Ave	80909 429541	66072 710485	233849 893500	398417 675556	236084 1111583	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[k]fluoranthene	PRY	Ave	89955 526200	81025 847993	234933 1014594	387472 690953	290147 1080311	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[a]pyrene	PRY	Ave	79451 449049	66569 726594	198532 891717	349972 658599	241488 980852	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Indeno[1,2,3-cd]pyrene	PRY	Ave	69374 418895	53183 712769	191898 902172	333874 653185	203852 1066184	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Dibenz(a,h)anthracene	PRY	Ave	56019 361907	41463 597354	155719 758989	280980 526648	166770 891250	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Benzo[g,h,i]perylene	PRY	Ave	59917 366714	51663 610553	172029 758275	295004 559091	182497 914299	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Fluorophenol	DCB	Ave	49059 259917	65988 435951	168904 540425	213090 501300	197356 603789	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Phenol-d5	DCB	Ave	54731 280267	61682 459542	175237 576849	223793 525724	207244 656608	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

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Nitrobenzene-d5	NPT	Ave	+++++ 218086	42315 358123	128034 447105	170642 417620	156935 499484	+++++ 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2-Fluorobiphenyl	ANT	Ave	113431 529923	96903 806542	312054 1028707	434877 877569	375173 1116219	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
2,4,6-Tribromophenol	ANT	Ave	4800 25182	3967 41234	11757 56255	23389 41398	17106 64376	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120
Terphenyl-d14	CRY	Ave	89385 380261	65363 599087	185529 781924	359267 508711	242561 876440	5.00 50.0	10.0 60.0	20.0 80.0	30.0 100	40.0 120

Curve Type Legend:

Ave = Average ISTD
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D
Lims ID: sstd005 Client ID:
Inject. Date: 03-Feb-2011 11:05:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: SSTD005
Misc. Info.: 510-0004341-002 =510-0004341-002
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 75445 Lims Sample ID: 2
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:20:32 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:20:32

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.536	1.547	-0.011	84	16786	4.36	
30 N-Nitrosodimethylamine	74	1.691	1.697	-0.006	94	23769	5.09	
31 Pyridine	79	1.723	1.729	-0.006	95	45159	5.27	
$ 32 2-Fluorophenol	112	2.525	2.541	-0.016	84	49059	5.42	
$ 34 Phenol-d5	99	3.262	3.278	-0.016	0	54731	5.77	
35 Phenol	94	3.273	3.289	-0.016	93	53162	5.76	
36 Aniline	93	3.310	3.332	-0.022	93	61552	7.08	
38 2-Chlorophenol	128	3.412	3.422	-0.010	88	54162	5.88	
39 1,3-Dichlorobenzene	146	3.550	3.551	-0.001	95	62272	5.14	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	297547	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	93	60217	5.65	
42 Benzyl alcohol	108	3.716	3.722	-0.006	91	31244	5.75	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	98	58063	5.78	
44 2-Methylphenol	108	3.812	3.823	-0.011	92	44187	6.18	
10 2,2'-oxybis(2-chloropropane)	45	3.844	3.850	-0.006	48	38926	6.06	
45 Acetophenone	105	3.957	3.962	-0.006	93	57286	6.19	
47 3 & 4 Methylphenol	108	3.951	3.967	-0.016	0	44542	6.15	
46 N-Nitrosodi-n-propylamine	70	3.957	3.967	-0.011	70	26050	6.02	
48 Hexachloroethane	117	4.053	4.053	0.0	88	19801	5.38	
$ 49 Nitrobenzene-d5	82	4.090	4.101	-0.011	83	42546	5.69	
50 Nitrobenzene	77	4.111	4.117	-0.006	79	37878	5.63	
51 Isophorone	82	4.336	4.347	-0.011	92	67338	6.07	
52 2-Nitrophenol	139	4.405	4.411	-0.006	84	28321	5.46	
53 2,4-Dimethylphenol	107	4.453	4.459	-0.006	89	48781	5.87	
37 Bis(2-chloroethyl)ether	93	3.364	3.364	0.0	90	41758	5.52	M
54 Bis(2-chloroethoxy)methane	93	4.544	4.555	-0.011	94	48262	6.27	
5 Benzoic acid	105	4.507	4.587	-0.080	7	25965	4.46	M
55 2,4-Dichlorophenol	162	4.630	4.640	-0.010	93	42574	5.29	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	94	46025	5.70	
114 4-Chlorophenol	128	4.747	4.753	-0.006	0	112408	12.2	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	927760	40.0	
58 Naphthalene	128	4.790	4.790	0.0	83	155769	6.78	
S 3 Methyl Phenols,Total	100				0		12.3	
59 4-Chloroaniline	127	4.843	4.854	-0.011	82	59173	6.63	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	95	25354	5.55	
61 4-Chloro-3-methylphenol	107	5.313	5.330	-0.017	89	39624	5.98	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	86	88273	6.17	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	95	15252	4.64	
64 2,4,6-Trichlorophenol	196	5.730	5.741	-0.011	88	28590	5.36	
65 2,4,5-Trichlorophenol	196	5.762	5.773	-0.011	90	32783	5.64	
$ 66 2-Fluorobiphenyl	172	5.821	5.826	-0.005	100	113431	5.79	
116 1,1'-Biphenyl	154	5.922	5.928	-0.006	0	120208	5.77	
67 2-Chloronaphthalene	162	5.938	5.944	-0.006	95	96849	5.88	
68 2-Nitroaniline	65	6.051	6.056	-0.005	92	19398	5.53	
69 Dimethyl phthalate	163	6.280	6.297	-0.017	95	104346	6.02	
70 2,6-Dinitrotoluene	165	6.344	6.355	-0.011	78	25161	5.48	
71 Acenaphthylene	152	6.403	6.414	-0.011	97	152982	6.12	
72 3-Nitroaniline	138	6.521	6.537	-0.016	91	25300	5.68	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	93	566981	40.0	
74 Acenaphthene	153	6.601	6.612	-0.011	87	93985	5.74	
75 2,4-Dinitrophenol	184	6.644	6.654	-0.010	71	6325	2.30	
78 4-Nitrophenol	109	6.724	6.735	-0.011	73	9315	4.93	
76 2,4-Dinitrotoluene	165	6.788	6.799	-0.011	51	33690	6.09	
77 Dibenzofuran	168	6.793	6.799	-0.006	96	132397	6.09	
79 Diethyl phthalate	149	7.066	7.077	-0.011	98	96220	6.11	
80 Fluorene	166	7.151	7.157	-0.006	85	109479	6.07	
81 4-Chlorophenyl phenyl ether	204	7.162	7.167	-0.005	87	49013	5.87	
82 4-Nitroaniline	138	7.167	7.189	-0.022	70	24745	5.85	
83 4,6-Dinitro-2-methylphenol	198	7.205	7.221	-0.016	29	12655	4.14	
84 N-Nitrosodiphenylamine	169	7.279	7.290	-0.011	0	91767	5.96	
85 1,2-Diphenylhydrazine	77	7.317	7.328	-0.011	1	70178	5.77	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	0	4800	5.19	M
87 4-Bromophenyl phenyl ether	248	7.637	7.643	-0.006	55	24435	5.51	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	89	23487	5.64	
89 Pentachlorophenol	266	7.867	7.867	0.0	88	11339	3.85	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	98	819899	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	95	143895	6.56	
92 Anthracene	178	8.097	8.102	-0.005	98	144193	6.42	
93 Carbazole	167	8.241	8.246	-0.005	76	131110	4.38	
94 Di-n-butyl phthalate	149	8.556	8.562	-0.006	98	142371	6.40	
95 Fluoranthene	202	9.032	9.037	-0.005	98	136951	6.14	
96 Benzidine	184	9.144	9.149	-0.005	96	50462	13.3	
97 Pyrene	202	9.208	9.213	-0.005	95	146094	6.49	
$ 98 Terphenyl-d14	244	9.341	9.342	-0.001	96	89385	6.32	
99 Butyl benzyl phthalate	149	9.715	9.721	-0.006	92	55596	5.62	
100 3,3'-Dichlorobenzidine	252	10.111	10.116	-0.005	99	31112	4.82	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	54	120207	6.12	
* 103 Chrysene-d12	240	10.137	10.143	-0.006	95	619599	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.159	10.159	0.0	89	69473	5.94	
104 Chrysene	228	10.159	10.164	-0.005	67	115761	6.08	
105 Di-n-octyl phthalate	149	10.634	10.640	-0.006	0	93178	5.29	
106 Benzo[b]fluoranthene	252	10.923	10.928	-0.005	100	80909	5.31	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.944	10.950	-0.006	90	89955	5.32	
108 Benzo[a]pyrene	252	11.174	11.179	-0.005	84	79451	5.40	
* 109 Perylene-d12	264	11.217	11.217	0.0	93	429529	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.162	12.168	-0.006	92	69374	5.03	
111 Dibenz(a,h)anthracene	278	12.173	12.184	-0.011	84	56019	4.92	
24 Benzo[g,h,i]perylene	276	12.435	12.445	-0.010	98	59917	4.94	

QC Flag Legend

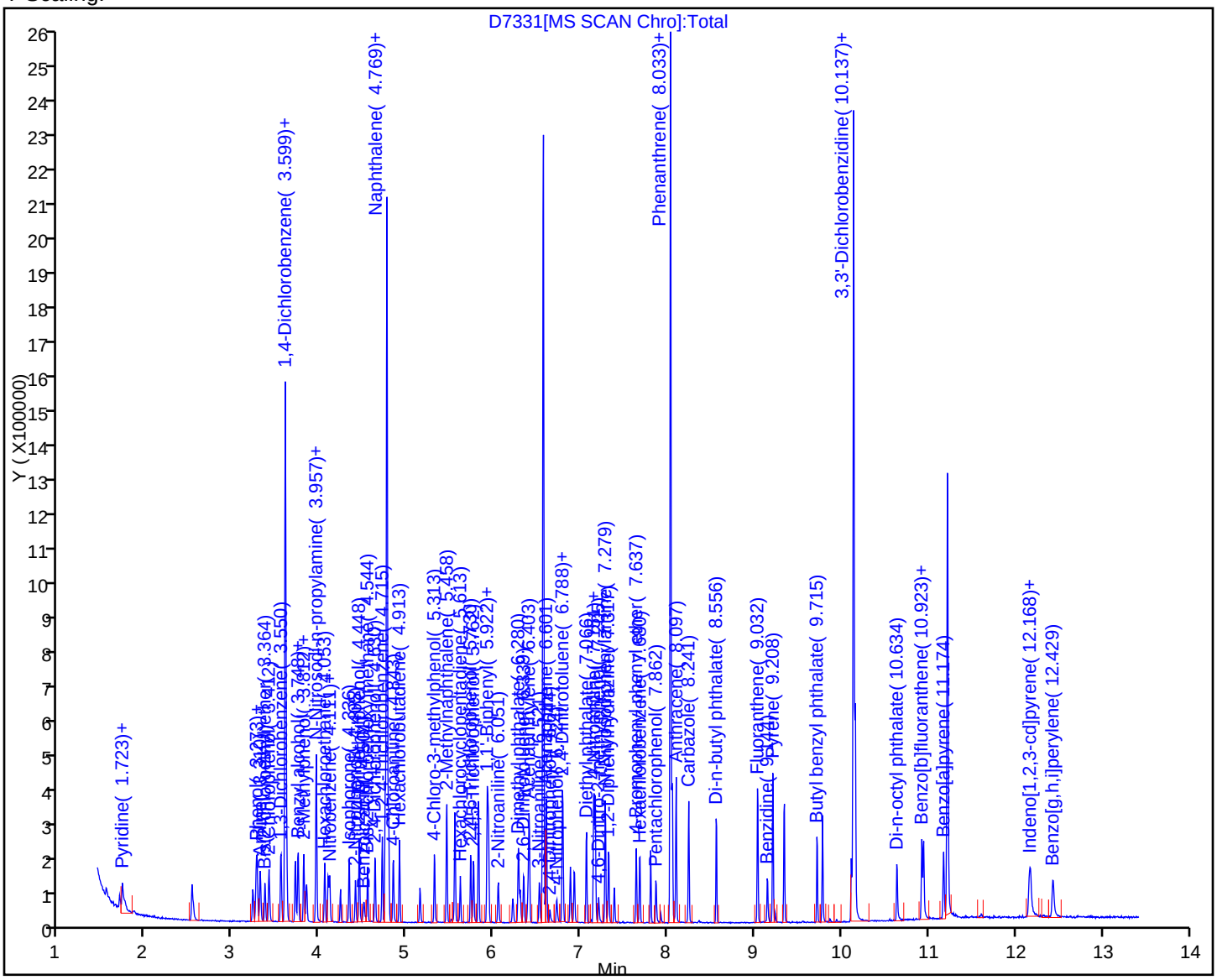
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:20:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D

Injection Date:	03-Feb-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:20:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24

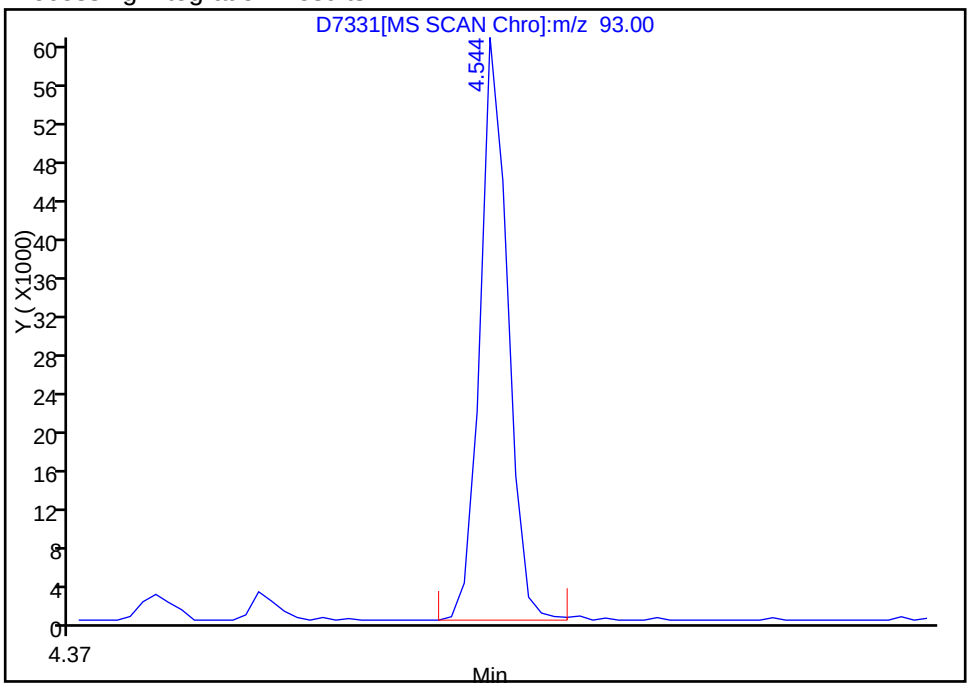
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D		
Injection Date:	03-Feb-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.36

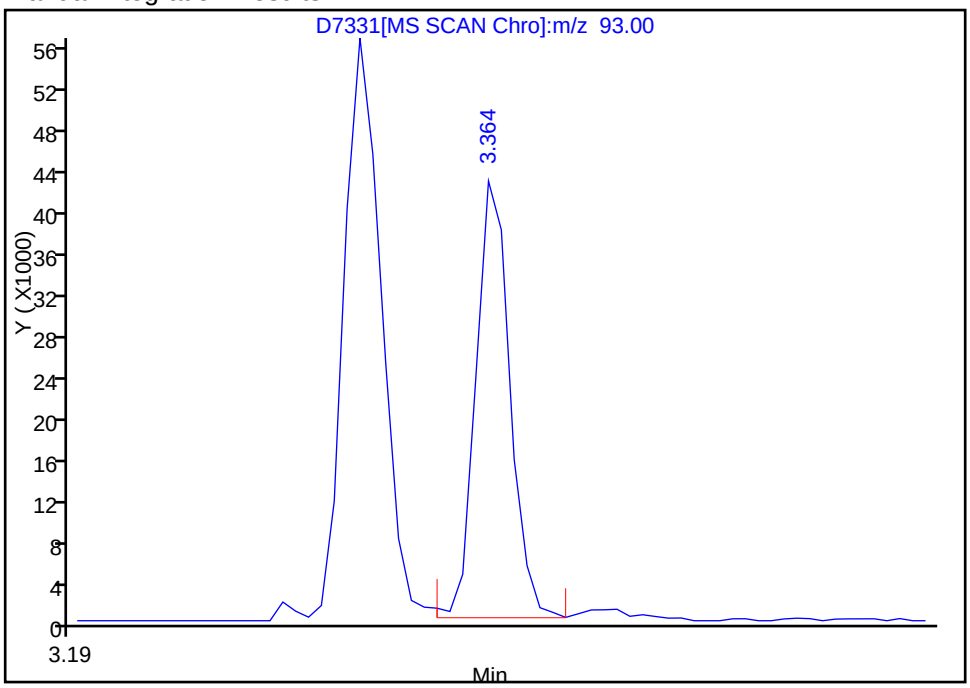
Processing Integration Results

RT: 4.54
Response: 48262
Amount: 6.267169



Manual Integration Results

RT: 3.36
Response: 41758
Amount: 5.515749



Reviewer: squiresb, 04-Feb-2011 15:20:32
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:20:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24

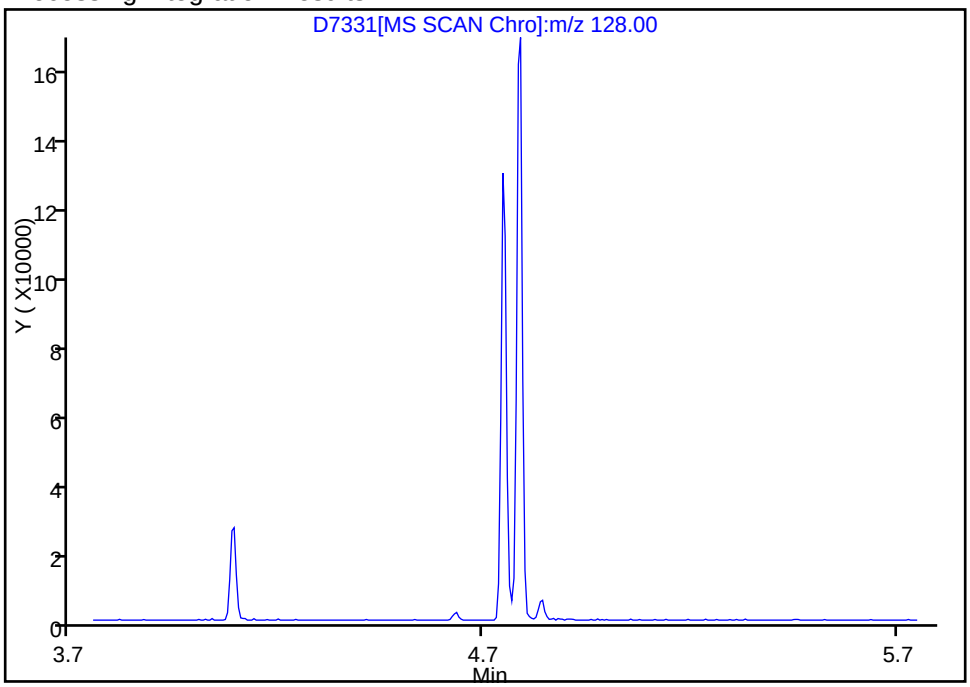
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D		
Injection Date:	03-Feb-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

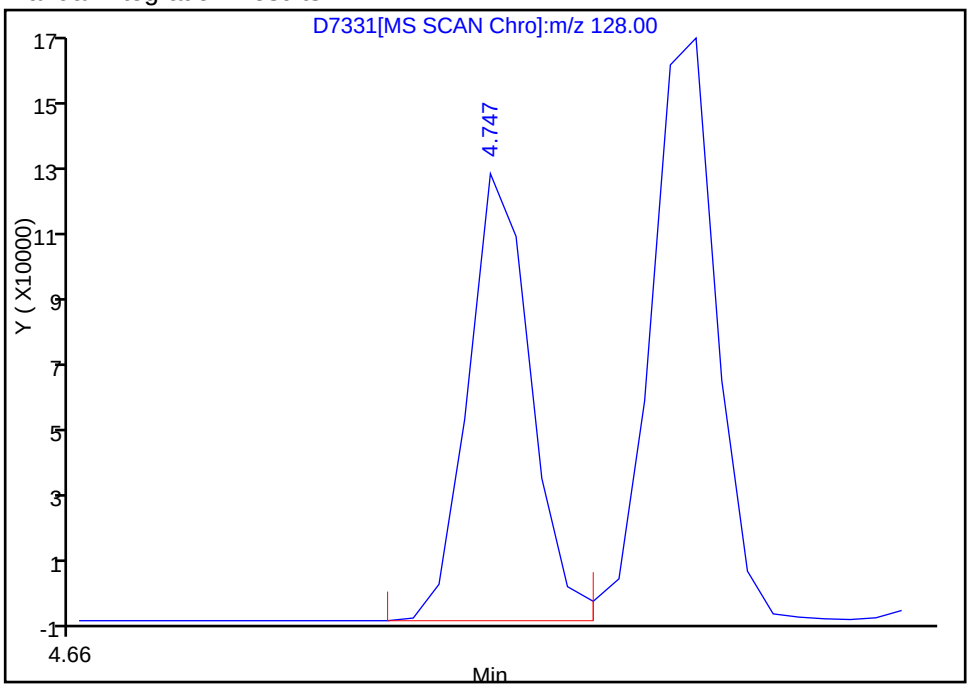
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 112408
Amount: 12.182418



Reviewer: squiresb, 03-Feb-2011 12:21:17
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:20:34 Chrom Revision: 1.2 29-Oct-2010 14:13:24

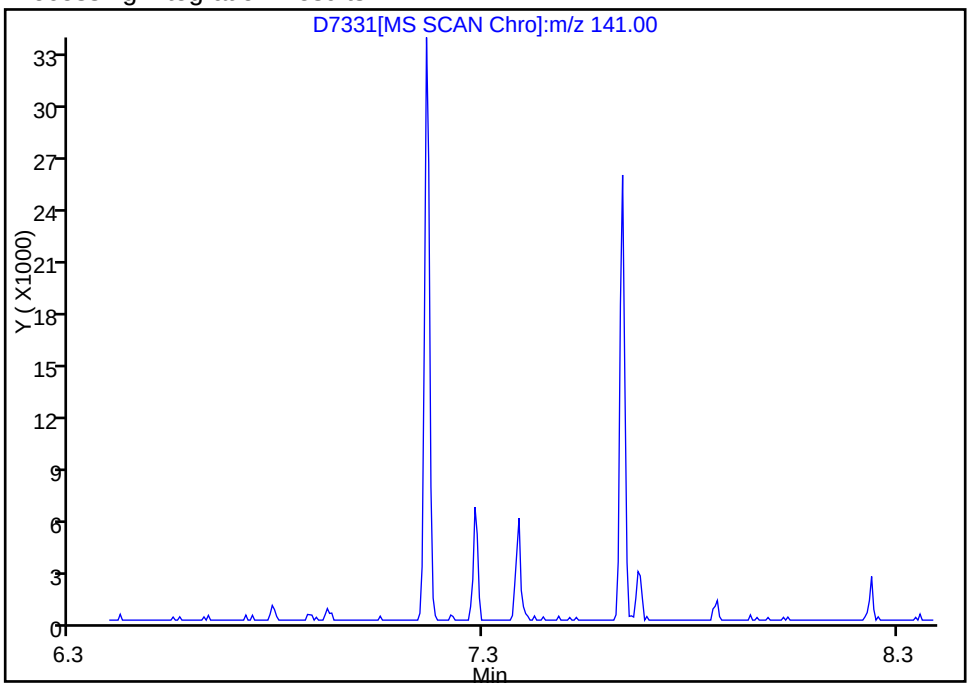
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D		
Injection Date:	03-Feb-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 7.39

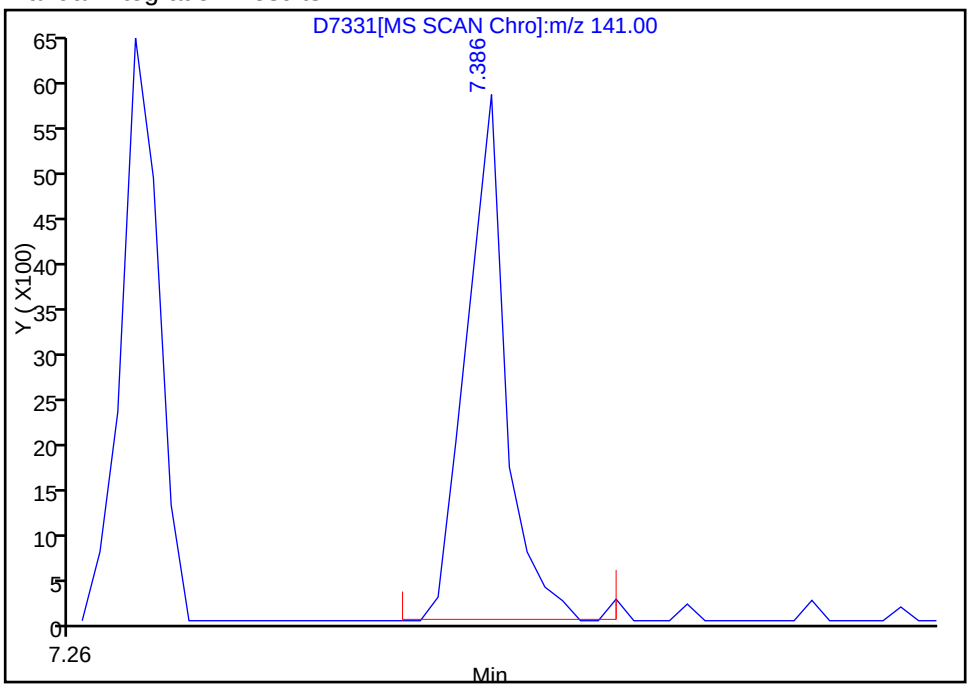
Processing Integration Results

Not Detected
Expected RT: 7.39



Manual Integration Results

RT: 7.39
Response: 4800
Amount: 5.193506



Reviewer: squiresb, 03-Feb-2011 11:25:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

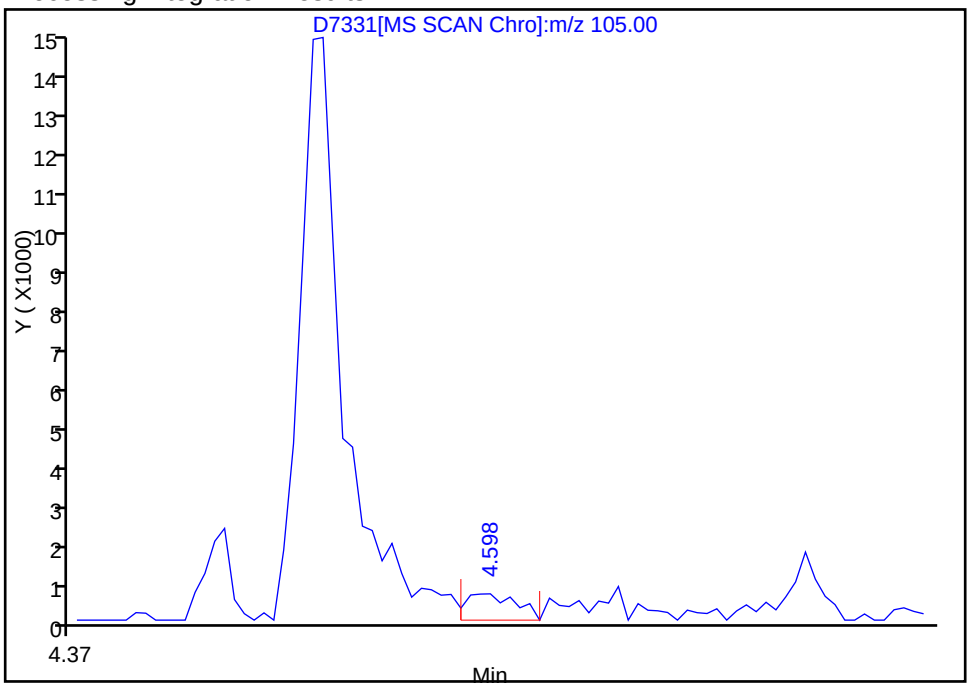
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D		
Injection Date:	03-Feb-2011 11:05:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

5 Benzoic acid, Signal: 1, m/z: 105.0 Type: quant, RT: 4.59

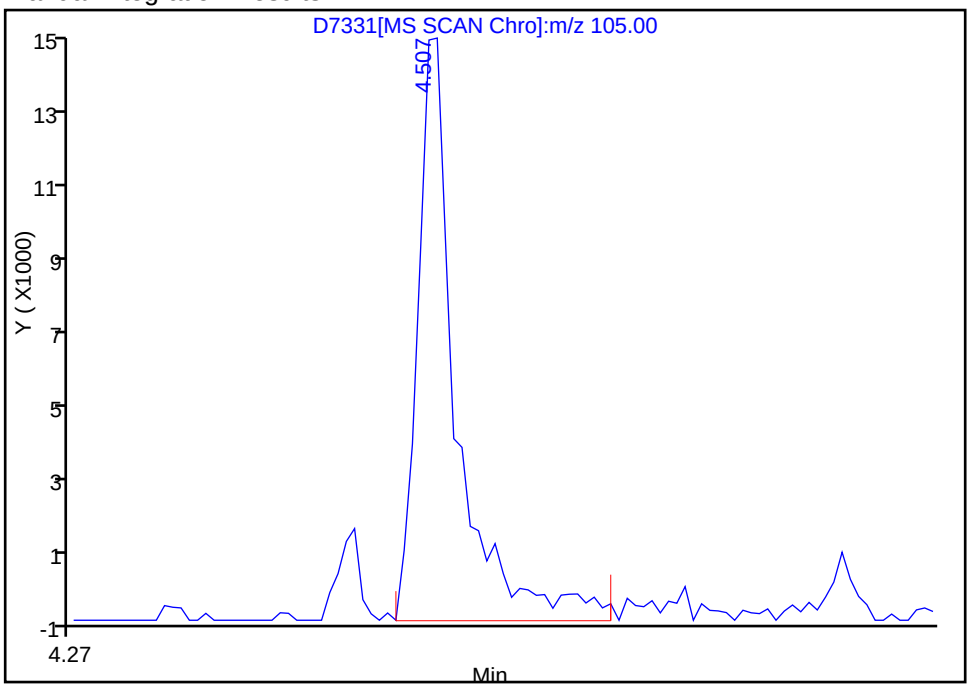
Processing Integration Results

RT: 4.60
Response: 1291
Amount: 5.000000



Manual Integration Results

RT: 4.51
Response: 25965
Amount: 4.459694



Reviewer: squiresb, 03-Feb-2011 11:25:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7332.D		
Lims ID:	sstd010	Client ID:	
Inject. Date:	03-Feb-2011 11:24:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	SSTD010		
Misc. Info.:	510-0004314-003 =510-0004314-003		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	75445	Lims Sample ID:	3
Sublist:	chrom-8270C_SMSA*sub25		
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m		
Last Update:	04-Feb-2011 15:20:50	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	04-Feb-2011 15:20:50

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.547	1.547	0.0	88	29005	13.0	
30 N-Nitrosodimethylamine	74	1.697	1.697	0.0	94	29607	10.9	
31 Pyridine	79	1.734	1.729	0.005	97	59490	12.0	
$ 32 2-Fluorophenol	112	2.530	2.541	-0.011	83	65988	12.6	
$ 34 Phenol-d5	99	3.262	3.278	-0.016	0	61682	11.2	
35 Phenol	94	3.278	3.289	-0.011	95	61238	11.4	
36 Aniline	93	3.310	3.332	-0.022	51	66956	13.3	
37 Bis(2-chloroethyl)ether	93	3.364	3.364	0.0	93	43381	9.86	M
38 2-Chlorophenol	128	3.412	3.422	-0.010	90	63037	11.8	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	97	72902	14.1	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	172823	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	95	71069	11.5	
42 Benzyl alcohol	108	3.716	3.722	-0.006	82	32477	10.3	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	98	63444	10.9	
44 2-Methylphenol	108	3.812	3.823	-0.011	93	44968	10.8	
10 2,2'-oxybis(2-chloropropane)	45	3.844	3.850	-0.006	64	37470	10.0	
45 Acetophenone	105	3.957	3.962	-0.005	94	53711	9.99	
47 3 & 4 Methylphenol	108	3.957	3.967	-0.010	0	44008	10.5	
46 N-Nitrosodi-n-propylamine	70	3.957	3.967	-0.010	68	23529	9.36	
48 Hexachloroethane	117	4.053	4.053	0.0	89	23256	10.9	
$ 49 Nitrobenzene-d5	82	4.090	4.101	-0.011	83	42315	10.7	
50 Nitrobenzene	77	4.112	4.117	-0.005	78	38750	10.9	
51 Isophorone	82	4.336	4.347	-0.011	94	59893	10.2	
52 2-Nitrophenol	139	4.411	4.411	0.0	80	26999	9.85	
53 2,4-Dimethylphenol	107	4.453	4.459	-0.006	87	44919	10.2	
54 Bis(2-chloroethoxy)methane	93	4.544	4.555	-0.011	96	43213	9.66	
5 Benzoic acid	105	4.502	4.587	-0.085	81	21119	6.87	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	94	39615	11.5	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	95	44633	10.5	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	91998	18.9	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	489950	40.0	
58 Naphthalene	128	4.790	4.790	0.0	84	149057	12.3	
S 3 Methyl Phenols,Total	100				0		21.3	
59 4-Chloroaniline	127	4.843	4.854	-0.011	82	54986	11.7	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	96	23866	9.88	
61 4-Chloro-3-methylphenol	107	5.314	5.330	-0.016	89	33195	9.48	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	86	77079	10.2	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	86	12183	8.69	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	86	22950	10.1	
65 2,4,5-Trichlorophenol	196	5.768	5.773	-0.005	86	25169	10.1	
$ 66 2-Fluorobiphenyl	172	5.821	5.826	-0.005	100	96903	11.6	
116 1,1'-Biphenyl	154	5.923	5.928	-0.005	0	105544	11.9	
67 2-Chloronaphthalene	162	5.939	5.944	-0.005	95	81215	11.6	
68 2-Nitroaniline	65	6.051	6.056	-0.005	95	15478	10.3	
69 Dimethyl phthalate	163	6.280	6.297	-0.017	96	82582	11.2	
70 2,6-Dinitrotoluene	165	6.339	6.355	-0.016	74	20052	10.2	
71 Acenaphthylene	152	6.403	6.414	-0.011	98	126010	11.8	
72 3-Nitroaniline	138	6.521	6.537	-0.016	94	19354	10.2	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	92	241998	40.0	
74 Acenaphthene	153	6.601	6.612	-0.011	87	76986	11.0	
75 2,4-Dinitrophenol	184	6.644	6.654	-0.010	75	4461	3.80	
78 4-Nitrophenol	109	6.724	6.735	-0.011	70	6471	8.03	
76 2,4-Dinitrotoluene	165	6.788	6.799	-0.011	50	22554	9.56	
77 Dibenzofuran	168	6.793	6.799	-0.006	97	107127	11.5	
79 Diethyl phthalate	149	7.066	7.077	-0.011	97	70629	10.5	
80 Fluorene	166	7.151	7.157	-0.006	82	85846	11.2	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	83	38442	10.8	
82 4-Nitroaniline	138	7.167	7.189	-0.022	56	18877	10.5	
83 4,6-Dinitro-2-methylphenol	198	7.205	7.221	-0.016	78	8680	6.95	
84 N-Nitrosodiphenylamine	169	7.279	7.290	-0.011	0	70451	11.2	
85 1,2-Diphenylhydrazine	77	7.317	7.328	-0.011	1	55713	11.2	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	53	3967	10.1	
87 4-Bromophenyl phenyl ether	248	7.637	7.643	-0.006	55	18484	10.2	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	86	18119	10.6	
89 Pentachlorophenol	266	7.867	7.867	0.0	86	9332	7.76	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	98	335261	40.0	
91 Phenanthrene	178	8.049	8.054	-0.005	97	109093	12.2	
92 Anthracene	178	8.097	8.102	-0.005	99	108404	11.8	
93 Carbazole	167	8.241	8.246	-0.005	77	99313	9.85	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	95091	10.5	
95 Fluoranthene	202	9.037	9.037	0.0	97	105201	11.5	
96 Benzidine	184	9.149	9.149	0.0	96	35194	20.8	
97 Pyrene	202	9.208	9.213	-0.005	95	118078	11.8	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	96	65363	10.4	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	92	40438	9.20	
100 3,3'-Dichlorobenzidine	252	10.116	10.116	0.0	97	25914	9.03	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	100	88267	10.1	
* 103 Chrysene-d12	240	10.143	10.143	0.0	97	275388	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.159	10.159	0.0	93	48491	9.33	
104 Chrysene	228	10.159	10.164	-0.005	96	87192	10.3	
105 Di-n-octyl phthalate	149	10.645	10.640	0.005	0	66846	8.73	
106 Benzo[b]fluoranthene	252	10.928	10.928	0.0	99	66072	9.98	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.950	10.950	0.0	81	81025	11.0	
108 Benzo[a]pyrene	252	11.179	11.179	0.0	97	66569	10.4	
* 109 Perylene-d12	264	11.222	11.217	0.005	93	186606	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.173	12.168	0.005	92	53183	8.87	
111 Dibenz(a,h)anthracene	278	12.184	12.184	0.0	90	41463	8.38	
24 Benzo[g,h,i]perylene	276	12.440	12.445	-0.005	96	51663	9.81	

QC Flag Legend

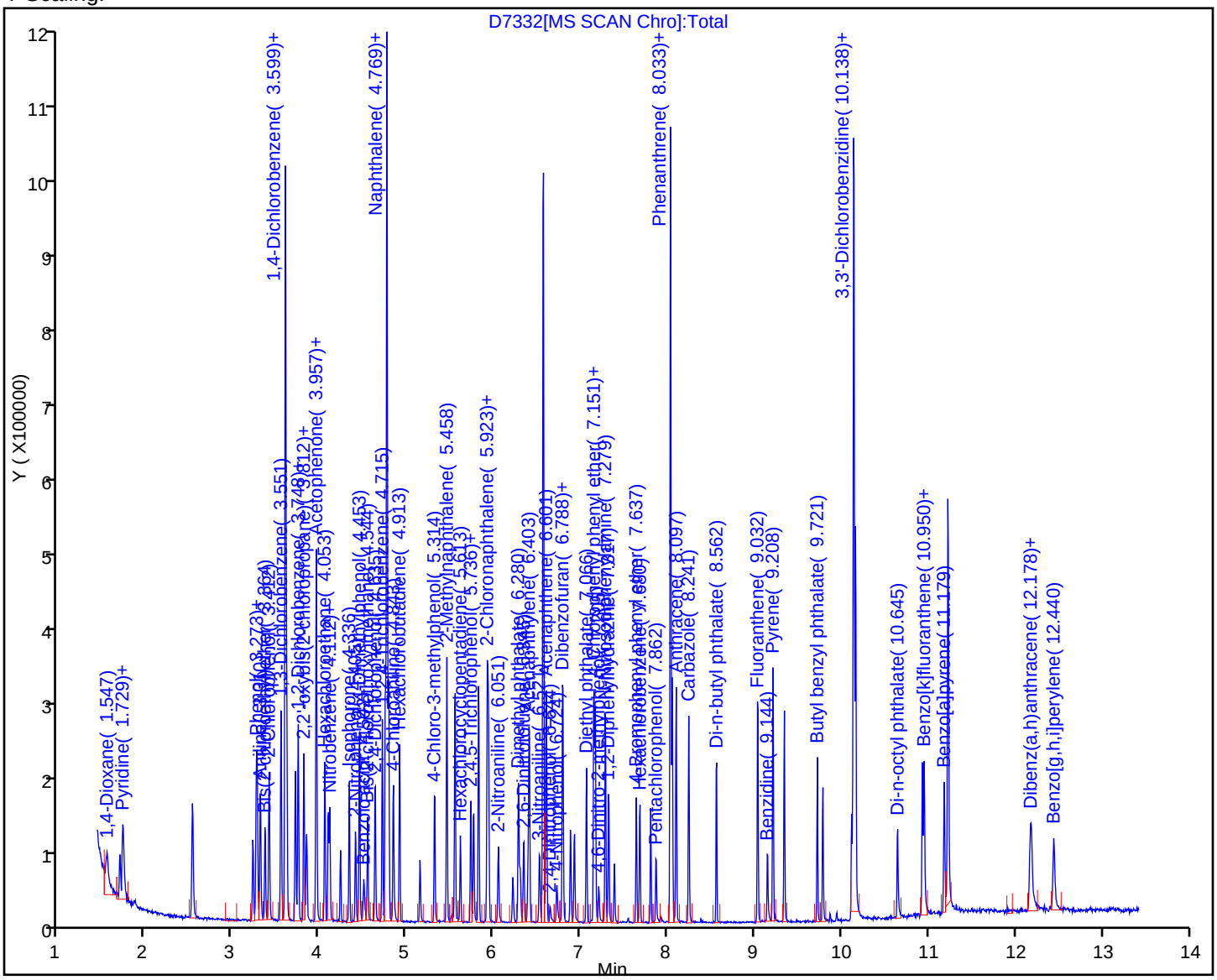
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:20:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7332.D

Injection Date:	03-Feb-2011 11:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:20:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

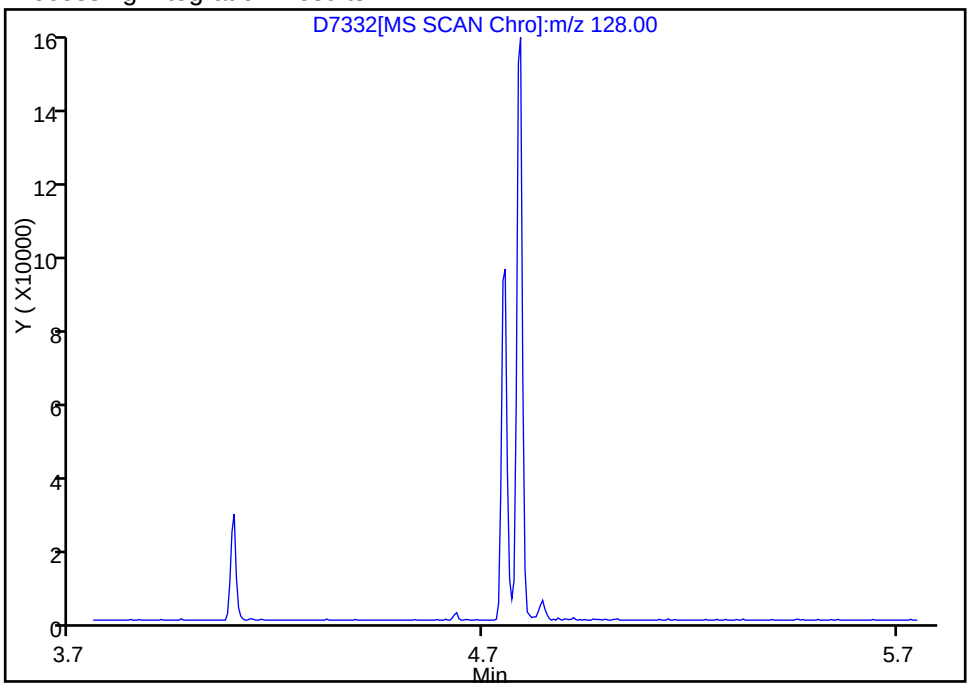
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7332.D		
Injection Date:	03-Feb-2011 11:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

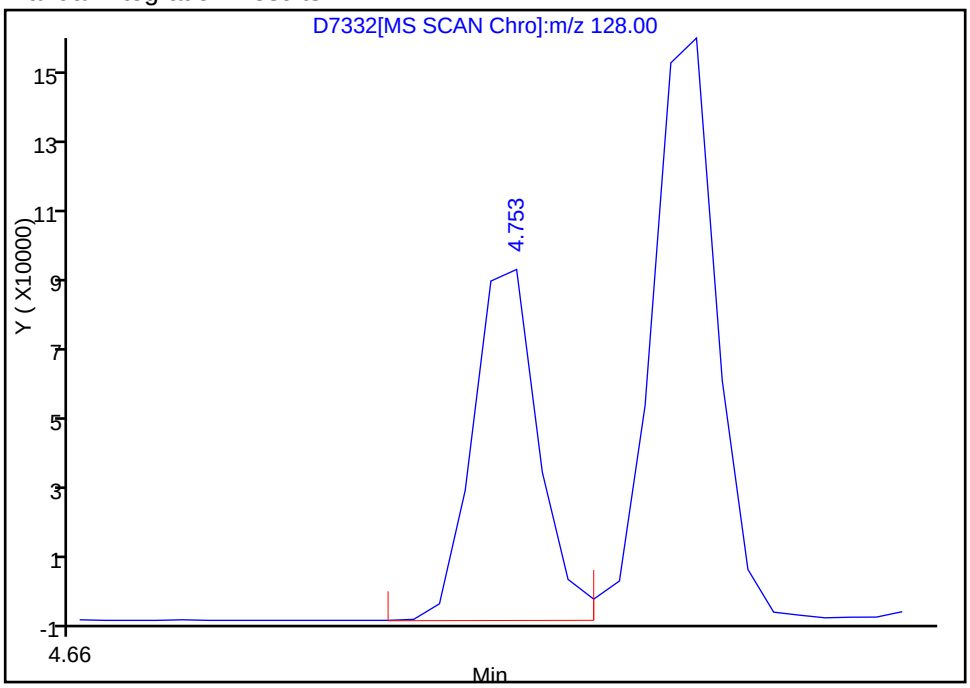
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 91998
Amount: 18.879851



Reviewer: squiresb, 03-Feb-2011 11:58:13
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:20:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

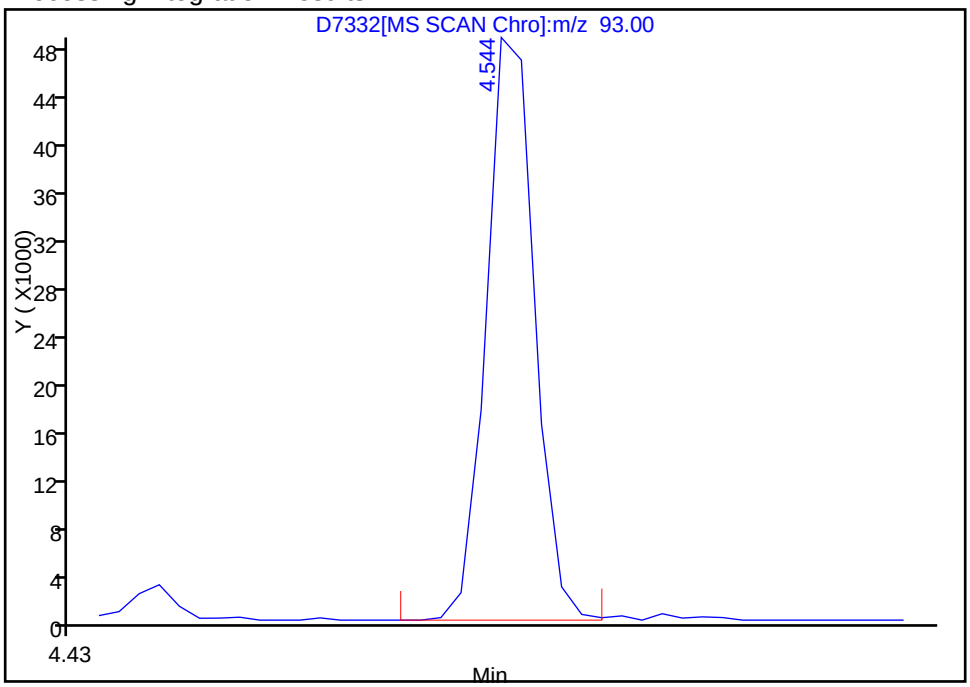
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7332.D		
Injection Date:	03-Feb-2011 11:24:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	3
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.36

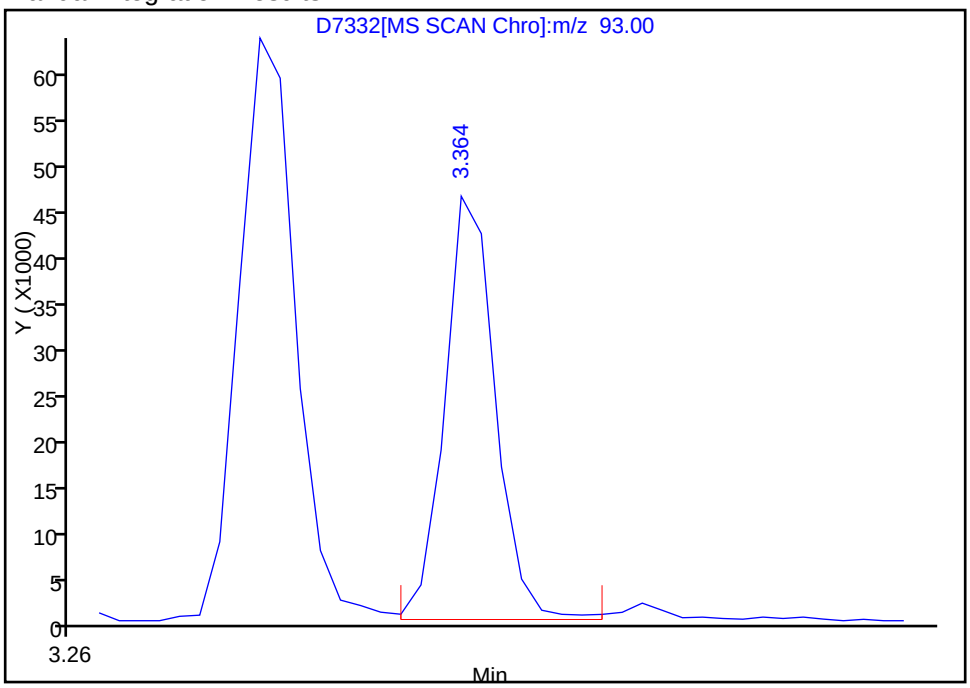
Processing Integration Results

RT: 4.54
Response: 43213
Amount: 9.829735



Manual Integration Results

RT: 3.36
Response: 43381
Amount: 9.864181



Reviewer: squiresb, 04-Feb-2011 15:20:50
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D
Lims ID: sstd020 Client ID:
Inject. Date: 03-Feb-2011 11:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: SSTD020
Misc. Info.: 510-0004314-004 =510-0004314-004
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 4
Lims Batch ID: 75445 Lims Sample ID: 4
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:21:03 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:21:03

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	91	61024	19.1	
30 N-Nitrosodimethylamine	74	1.691	1.697	-0.006	96	84538	21.9	
31 Pyridine	79	1.723	1.729	-0.006	97	157535	22.2	
$ 32 2-Fluorophenol	112	2.530	2.541	-0.011	86	168904	22.5	
$ 34 Phenol-d5	99	3.267	3.278	-0.011	0	175237	22.3	
35 Phenol	94	3.278	3.289	-0.011	94	173543	22.7	
36 Aniline	93	3.310	3.332	-0.022	25	176854	24.6	
37 Bis(2-chloroethyl)ether	93	3.364	3.364	0.0	92	131397	21.1	M
38 2-Chlorophenol	128	3.412	3.422	-0.010	90	174274	22.8	
39 1,3-Dichlorobenzene	146	3.550	3.551	-0.001	98	197263	23.8	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	246503	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	95	193722	21.9	
42 Benzyl alcohol	108	3.716	3.722	-0.006	83	99951	22.2	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	98	184386	22.2	
44 2-Methylphenol	108	3.812	3.823	-0.011	93	135263	22.8	
10 2,2'-oxybis(2-chloropropane)	45	3.844	3.850	-0.006	50	113298	21.3	
45 Acetophenone	105	3.956	3.962	-0.006	95	174903	22.8	
47 3 & 4 Methylphenol	108	3.956	3.967	-0.011	0	135076	22.5	
46 N-Nitrosodi-n-propylamine	70	3.962	3.967	-0.005	78	79287	22.1	
48 Hexachloroethane	117	4.053	4.053	0.0	91	64414	21.1	
$ 49 Nitrobenzene-d5	82	4.095	4.101	-0.006	81	128034	22.2	
50 Nitrobenzene	77	4.111	4.117	-0.006	81	116276	22.4	
51 Isophorone	82	4.336	4.347	-0.011	93	194856	22.7	
52 2-Nitrophenol	139	4.405	4.411	-0.006	83	88010	22.0	
53 2,4-Dimethylphenol	107	4.453	4.459	-0.006	87	146083	22.8	
54 Bis(2-chloroethoxy)methane	93	4.549	4.555	-0.006	96	137808	21.6	
5 Benzoic acid	105	4.528	4.587	-0.059	87	92627	20.6	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	94	126339	22.9	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	95	137433	22.0	
114 4-Chlorophenol	128	4.752	4.753	-0.001	0	225741	31.7	M

Report Date: 04-Feb-2011 15:21:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	716493	40.0	
58 Naphthalene	128	4.790	4.790	0.0	98	424655	23.9	
S 3 Methyl Phenols,Total	100				0		45.3	
59 4-Chloroaniline	127	4.843	4.854	-0.011	82	160638	23.3	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	97	74796	21.2	
61 4-Chloro-3-methylphenol	107	5.319	5.330	-0.011	86	111639	21.8	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	87	241399	21.8	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	88	54904	24.4	
64 2,4,6-Trichlorophenol	196	5.735	5.741	-0.006	86	79009	21.7	
65 2,4,5-Trichlorophenol	196	5.768	5.773	-0.005	88	90137	22.7	
$ 66 2-Fluorobiphenyl	172	5.826	5.826	0.0	100	312054	23.3	
116 1,1'-Biphenyl	154	5.922	5.928	-0.006	0	326421	22.9	
67 2-Chloronaphthalene	162	5.938	5.944	-0.006	95	257453	22.9	
68 2-Nitroaniline	65	6.051	6.056	-0.005	94	51387	21.4	
69 Dimethyl phthalate	163	6.286	6.297	-0.011	95	256320	21.6	
70 2,6-Dinitrotoluene	165	6.344	6.355	-0.011	75	67791	21.6	
71 Acenaphthylene	152	6.409	6.414	-0.005	98	395231	23.1	
72 3-Nitroaniline	138	6.526	6.537	-0.011	92	64988	21.3	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	91	387686	40.0	
74 Acenaphthene	153	6.606	6.612	-0.006	90	253849	22.7	
75 2,4-Dinitrophenol	184	6.644	6.654	-0.010	84	29791	15.8	
78 4-Nitrophenol	109	6.724	6.735	-0.011	73	25569	19.8	
76 2,4-Dinitrotoluene	165	6.788	6.799	-0.011	52	75757	20.0	
77 Dibenzofuran	168	6.793	6.799	-0.006	96	333527	22.4	
79 Diethyl phthalate	149	7.066	7.077	-0.011	98	225340	20.9	
80 Fluorene	166	7.151	7.157	-0.006	82	271399	22.0	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	86	122083	21.4	
82 4-Nitroaniline	138	7.167	7.189	-0.022	64	59977	20.8	
83 4,6-Dinitro-2-methylphenol	198	7.205	7.221	-0.016	78	38302	19.9	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	223920	23.1	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	16	173623	22.7	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	62	11757	18.6	
87 4-Bromophenyl phenyl ether	248	7.637	7.643	-0.006	59	59796	21.4	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	85	56900	21.7	
89 Pentachlorophenol	266	7.862	7.867	-0.005	91	38840	20.9	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	516849	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	323878	23.4	
92 Anthracene	178	8.097	8.102	-0.005	98	337011	23.8	
93 Carbazole	167	8.241	8.246	-0.005	95	286367	20.6	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	304099	21.7	
95 Fluoranthene	202	9.037	9.037	0.0	97	310729	22.1	
96 Benzidine	184	9.149	9.149	0.0	96	188958	81.2	
97 Pyrene	202	9.213	9.213	0.0	94	322423	23.4	
$ 98 Terphenyl-d14	244	9.341	9.342	-0.001	96	185529	21.4	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	90	129788	21.4	
100 3,3'-Dichlorobenzidine	252	10.116	10.116	0.0	99	86173	21.8	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	100	261679	21.7	M
* 103 Chrysene-d12	240	10.143	10.143	0.0	97	379410	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.159	10.159	0.0	91	153273	21.4	
104 Chrysene	228	10.159	10.164	-0.005	97	256648	22.0	
105 Di-n-octyl phthalate	149	10.640	10.640	0.0	0	237153	20.3	
106 Benzo[b]fluoranthene	252	10.928	10.928	0.0	98	233849	23.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.944	10.950	-0.006	92	234933	20.9	
108 Benzo[a]pyrene	252	11.179	11.179	0.0	98	198532	20.3	
* 109 Perylene-d12	264	11.222	11.217	0.005	95	285038	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.168	12.168	0.0	93	191898	20.9	
111 Dibenz(a,h)anthracene	278	12.184	12.184	0.0	90	155719	20.6	
24 Benzo[g,h,i]perylene	276	12.440	12.445	-0.005	96	172029	21.4	

QC Flag Legend

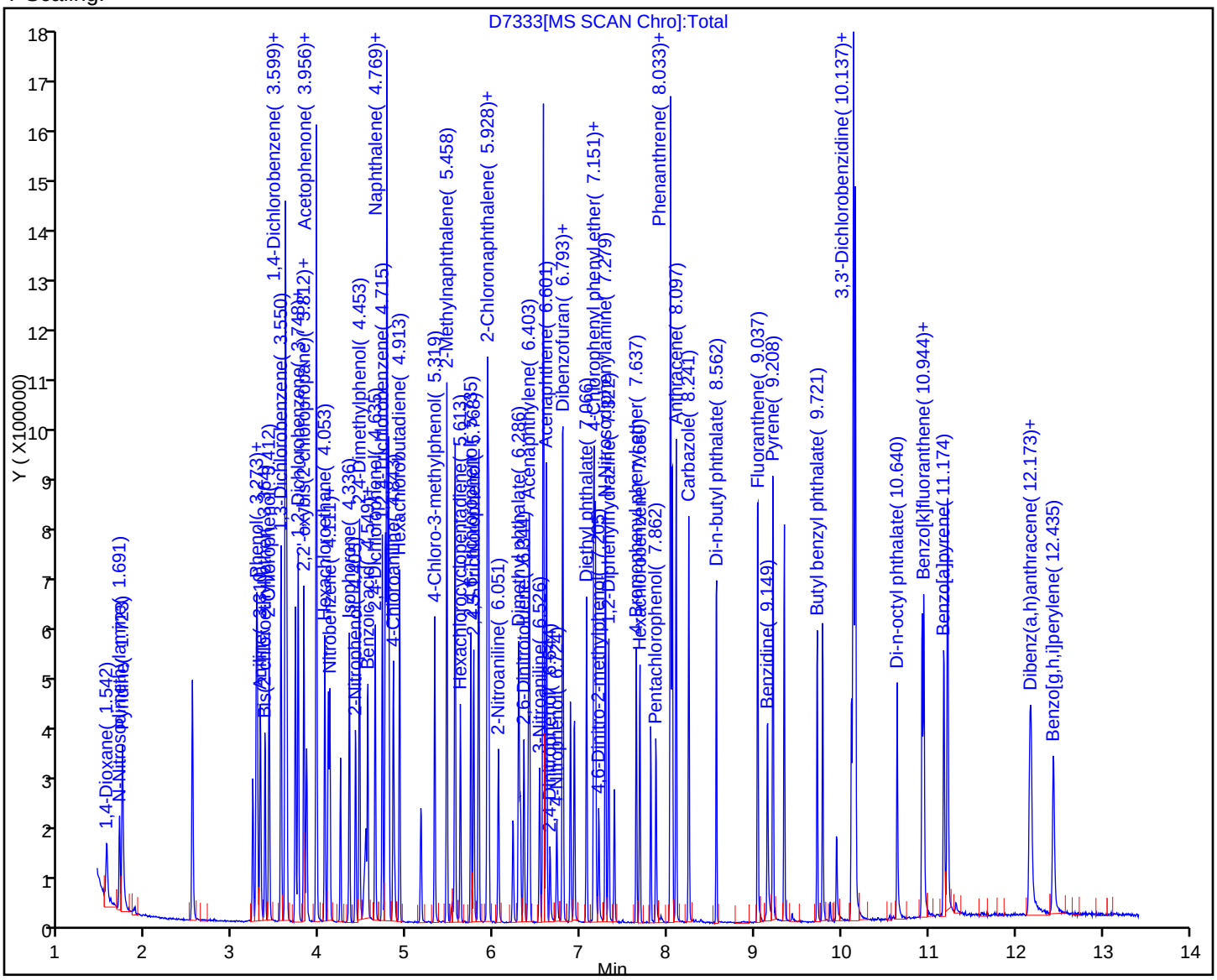
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:21:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D

Injection Date:	03-Feb-2011 11:42:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:21:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

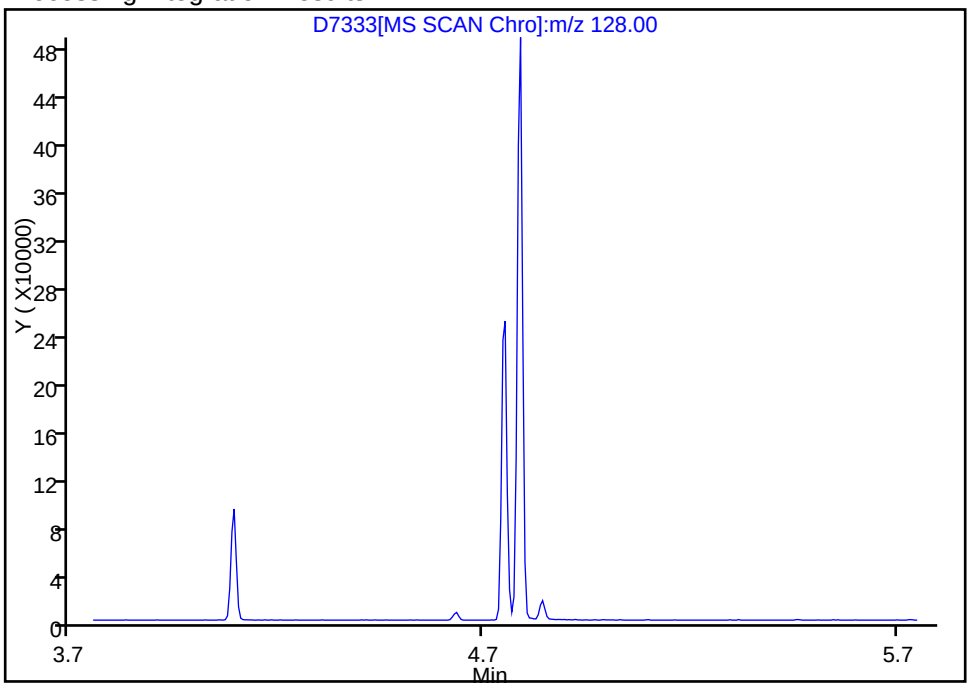
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D		
Injection Date:	03-Feb-2011 11:42:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

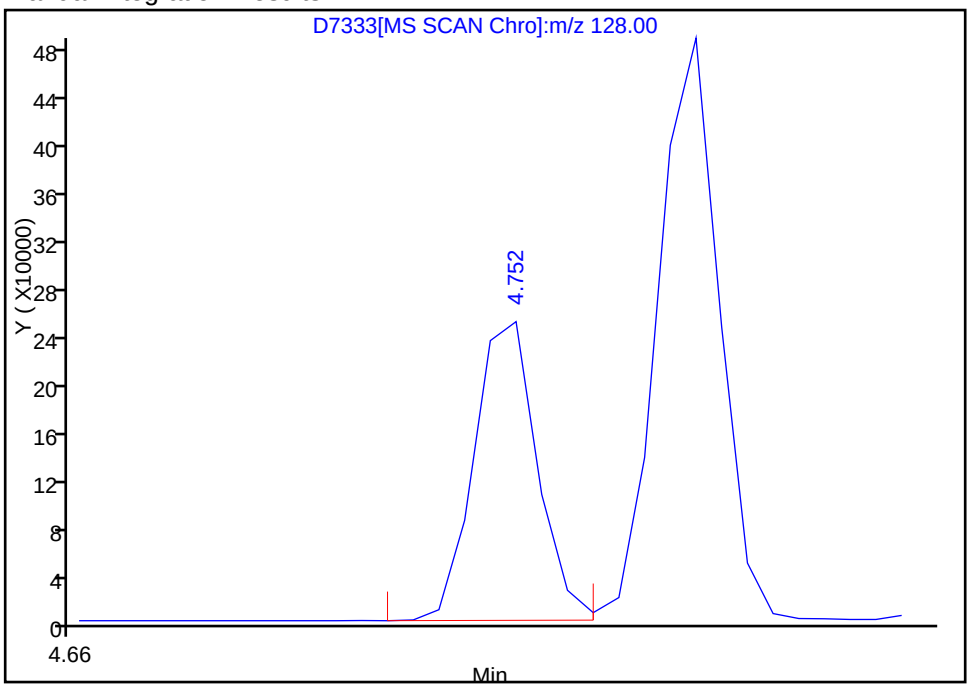
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 225741
Amount: 31.678924



Reviewer: squiresb, 03-Feb-2011 11:59:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:21:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

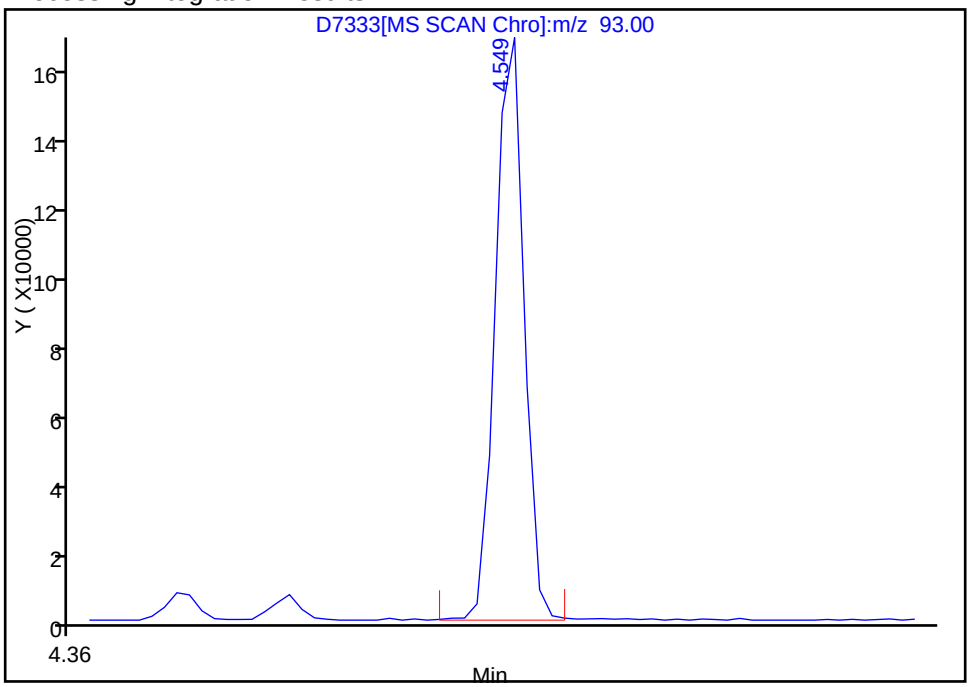
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D		
Injection Date:	03-Feb-2011 11:42:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.36

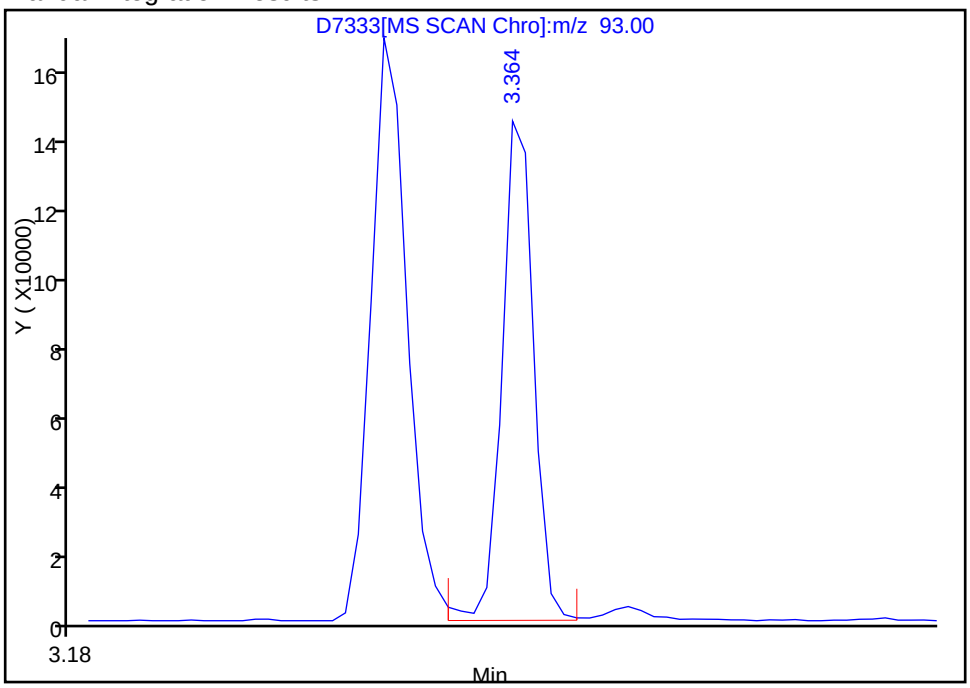
Processing Integration Results

RT: 4.55
Response: 137808
Amount: 21.969250



Manual Integration Results

RT: 3.36
Response: 131397
Amount: 21.054807



Reviewer: squiresb, 04-Feb-2011 15:21:03
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 04-Feb-2011 15:21:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

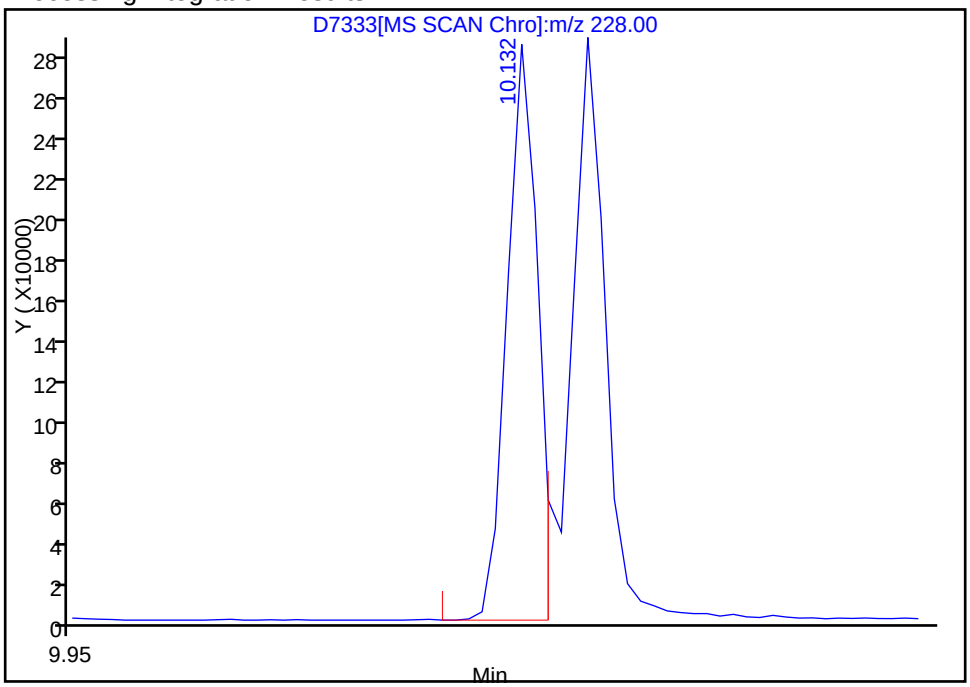
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7333.D		
Injection Date:	03-Feb-2011 11:42:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	4
Operator ID:	WDS	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.13

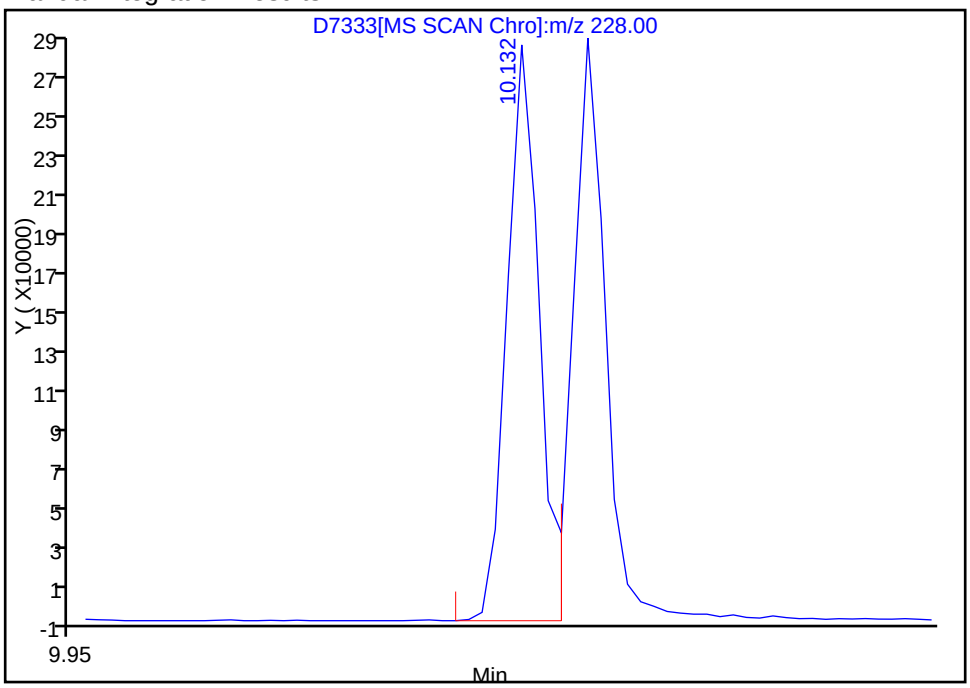
Processing Integration Results

RT: 10.13
Response: 247653
Amount: 18.921591



Manual Integration Results

RT: 10.13
Response: 261679
Amount: 21.745729



Reviewer: squiresb, 03-Feb-2011 11:59:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7334.D
Lims ID: sstd030 Client ID:
Inject. Date: 03-Feb-2011 12:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: SSTD030
Misc. Info.: 510-0004314-005 =510-0004314-005
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 5
Lims Batch ID: 75445 Lims Sample ID: 5
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:21:11 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:21:11

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	90	108315	31.9	
30 N-Nitrosodimethylamine	74	1.692	1.697	-0.005	96	108774	26.4	
31 Pyridine	79	1.724	1.729	-0.005	96	200553	26.6	
$ 32 2-Fluorophenol	112	2.530	2.541	-0.011	85	213090	26.7	
$ 34 Phenol-d5	99	3.268	3.278	-0.010	0	223793	26.7	
35 Phenol	94	3.278	3.289	-0.011	94	215291	26.4	
36 Aniline	93	3.310	3.332	-0.022	25	214074	27.9	
37 Bis(2-chloroethyl)ether	93	3.364	3.364	0.0	93	166134	25.2	M
38 2-Chlorophenol	128	3.412	3.422	-0.010	90	216679	26.7	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	97	255134	25.3	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	262437	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	94	247545	26.3	
42 Benzyl alcohol	108	3.716	3.722	-0.006	82	128320	26.8	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	98	237255	26.8	
44 2-Methylphenol	108	3.812	3.823	-0.011	92	170195	27.0	
10 2,2'-oxybis(2-chloropropane)	45	3.844	3.850	-0.006	92	149419	26.4	
45 Acetophenone	105	3.957	3.962	-0.005	95	225363	27.6	
47 3 & 4 Methylphenol	108	3.957	3.967	-0.010	0	175880	27.5	
46 N-Nitrosodi-n-propylamine	70	3.962	3.967	-0.005	80	104621	27.4	
48 Hexachloroethane	117	4.053	4.053	0.0	88	85369	26.3	
$ 49 Nitrobenzene-d5	82	4.096	4.101	-0.005	82	170642	27.4	
50 Nitrobenzene	77	4.112	4.117	-0.005	81	155823	27.8	
51 Isophorone	82	4.336	4.347	-0.011	93	263994	28.6	
52 2-Nitrophenol	139	4.411	4.411	0.0	81	117089	27.1	
53 2,4-Dimethylphenol	107	4.454	4.459	-0.005	89	193750	28.0	
54 Bis(2-chloroethoxy)methane	93	4.550	4.555	-0.005	96	183409	27.0	
5 Benzoic acid	105	4.539	4.587	-0.048	77	149914	30.9	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	94	173475	25.9	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	94	185017	27.5	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	327898	42.7	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	772723	40.0	
58 Naphthalene	128	4.790	4.790	0.0	98	553355	28.9	
S 3 Methyl Phenols,Total	100				0		54.5	
59 4-Chloroaniline	127	4.843	4.854	-0.011	83	202044	27.2	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	96	102222	26.8	
61 4-Chloro-3-methylphenol	107	5.319	5.330	-0.011	88	160879	29.1	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	85	340101	28.5	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	89	73820	27.0	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	86	115890	26.1	
65 2,4,5-Trichlorophenol	196	5.768	5.773	-0.005	87	132689	27.4	
$ 66 2-Fluorobiphenyl	172	5.826	5.826	0.0	99	434877	26.7	
116 1,1'-Biphenyl	154	5.923	5.928	-0.005	0	470667	27.2	
67 2-Chloronaphthalene	162	5.939	5.944	-0.005	95	362874	26.5	
68 2-Nitroaniline	65	6.051	6.056	-0.005	94	80121	27.5	
69 Dimethyl phthalate	163	6.286	6.297	-0.011	96	407342	28.2	
70 2,6-Dinitrotoluene	165	6.345	6.355	-0.010	74	108237	28.3	
71 Acenaphthylene	152	6.409	6.414	-0.005	98	580538	27.9	
72 3-Nitroaniline	138	6.526	6.537	-0.011	90	109097	29.5	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	92	471774	40.0	
74 Acenaphthene	153	6.606	6.612	-0.006	90	375991	27.6	
75 2,4-Dinitrophenol	184	6.649	6.654	-0.005	79	67331	29.4	
78 4-Nitrophenol	109	6.724	6.735	-0.011	77	47144	30.0	
76 2,4-Dinitrotoluene	165	6.788	6.799	-0.011	59	131703	28.6	
77 Dibenzofuran	168	6.793	6.799	-0.006	95	506097	28.0	
79 Diethyl phthalate	149	7.066	7.077	-0.011	98	375022	28.6	
80 Fluorene	166	7.151	7.157	-0.006	82	430139	28.7	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	85	197400	28.4	
82 4-Nitroaniline	138	7.173	7.189	-0.016	77	99989	28.4	
83 4,6-Dinitro-2-methylphenol	198	7.210	7.221	-0.011	27	79995	29.9	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	361925	26.8	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	1	282665	26.5	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	68	23389	30.4	
87 4-Bromophenyl phenyl ether	248	7.637	7.643	-0.006	56	107519	27.7	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	85	96663	26.5	
89 Pentachlorophenol	266	7.867	7.867	0.0	89	74678	29.0	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	718883	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	546450	28.4	
92 Anthracene	178	8.097	8.102	-0.005	98	570074	28.9	
93 Carbazole	167	8.241	8.246	-0.005	94	511601	27.4	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	577603	29.6	
95 Fluoranthene	202	9.037	9.037	0.0	98	567427	29.0	
96 Benzidine	184	9.149	9.149	0.0	96	428300	125.7	
97 Pyrene	202	9.213	9.213	0.0	94	585254	29.0	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	96	359267	28.3	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	94	260210	29.4	
100 3,3'-Dichlorobenzidine	252	10.116	10.116	0.0	99	155581	26.9	
101 Benzo[a]anthracene	228	10.138	10.132	0.006	100	501159	28.4	
* 103 Chrysene-d12	240	10.143	10.143	0.0	95	555465	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.164	10.159	0.005	90	307398	29.3	
104 Chrysene	228	10.164	10.164	0.0	76	476912	28.0	
105 Di-n-octyl phthalate	149	10.645	10.640	0.005	0	472004	29.2	
106 Benzo[b]fluoranthene	252	10.934	10.928	0.006	98	398417	28.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.955	10.950	0.005	97	387472	25.0	
108 Benzo[a]pyrene	252	11.185	11.179	0.006	97	349972	25.9	
* 109 Perylene-d12	264	11.227	11.217	0.010	94	394261	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.173	12.168	0.005	92	333874	26.3	
111 Dibenz(a,h)anthracene	278	12.189	12.184	0.005	90	280980	26.9	
24 Benzo[g,h,i]perylene	276	12.446	12.445	0.001	97	295004	26.5	

QC Flag Legend

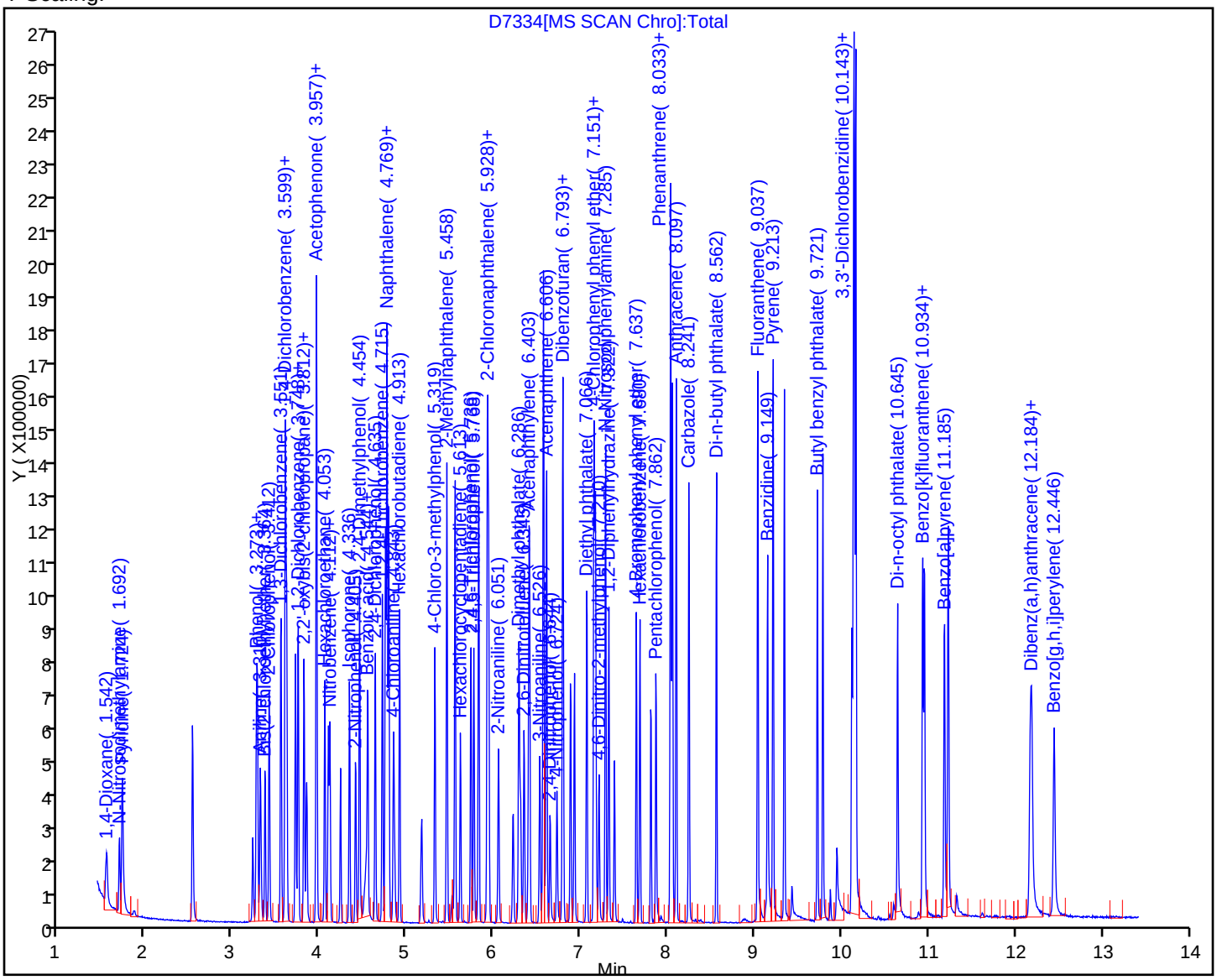
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:21:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7334.D

Injection Date:	03-Feb-2011 12:01:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:21:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

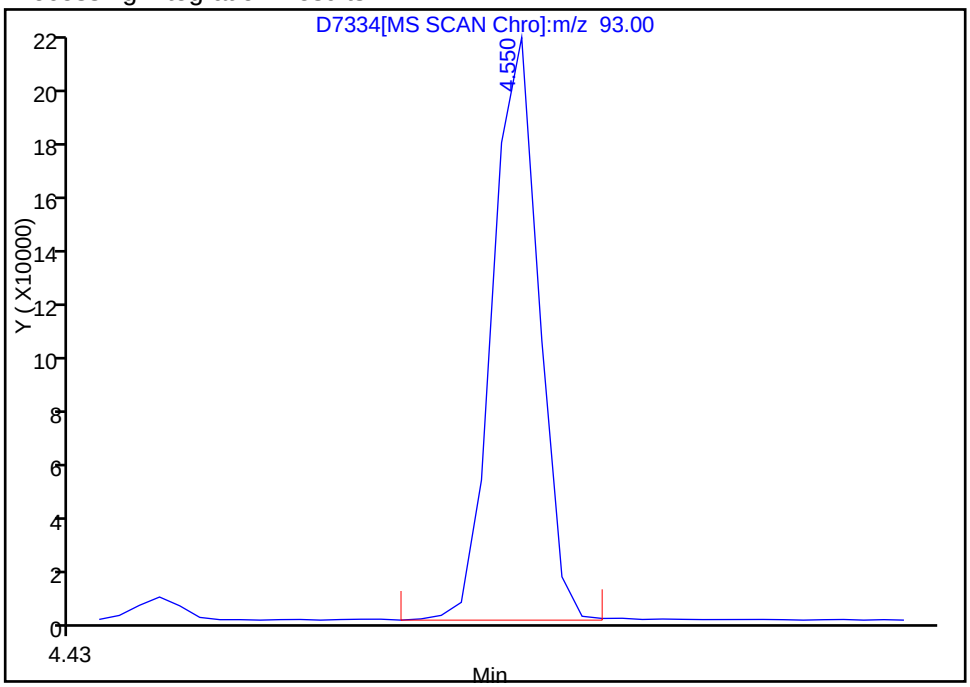
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7334.D		
Injection Date:	03-Feb-2011 12:01:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.36

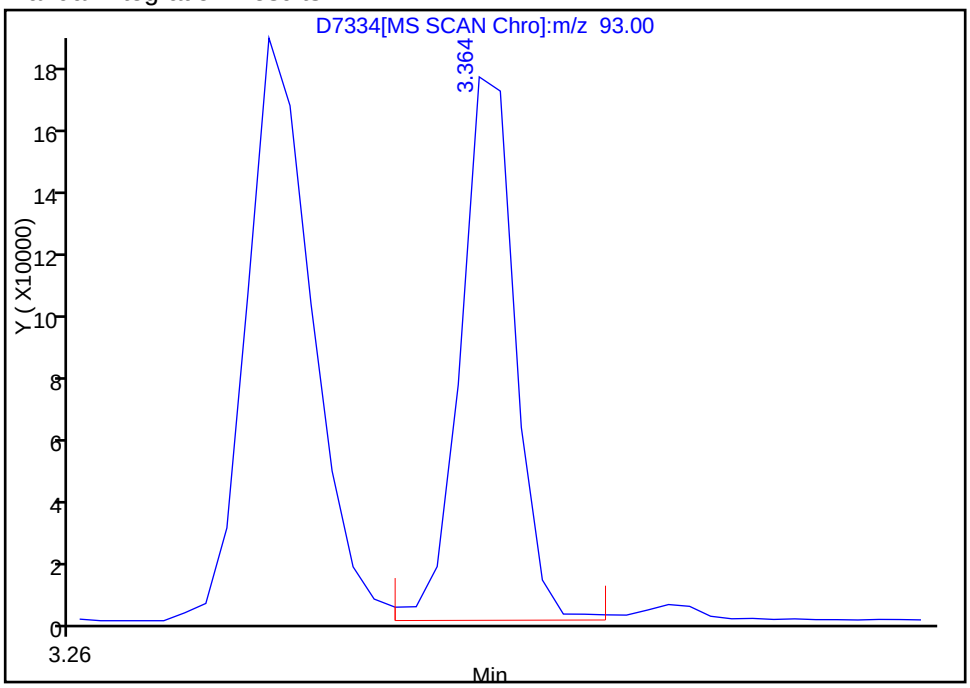
Processing Integration Results

RT: 4.55
Response: 183409
Amount: 27.604736



Manual Integration Results

RT: 3.36
Response: 166134
Amount: 25.223296



Reviewer: squiresb, 04-Feb-2011 15:21:11
Audit Action: Manually Integrated
Audit Reason: Analyst error

Report Date: 04-Feb-2011 15:21:12 Chrom Revision: 1.2 29-Oct-2010 14:13:24

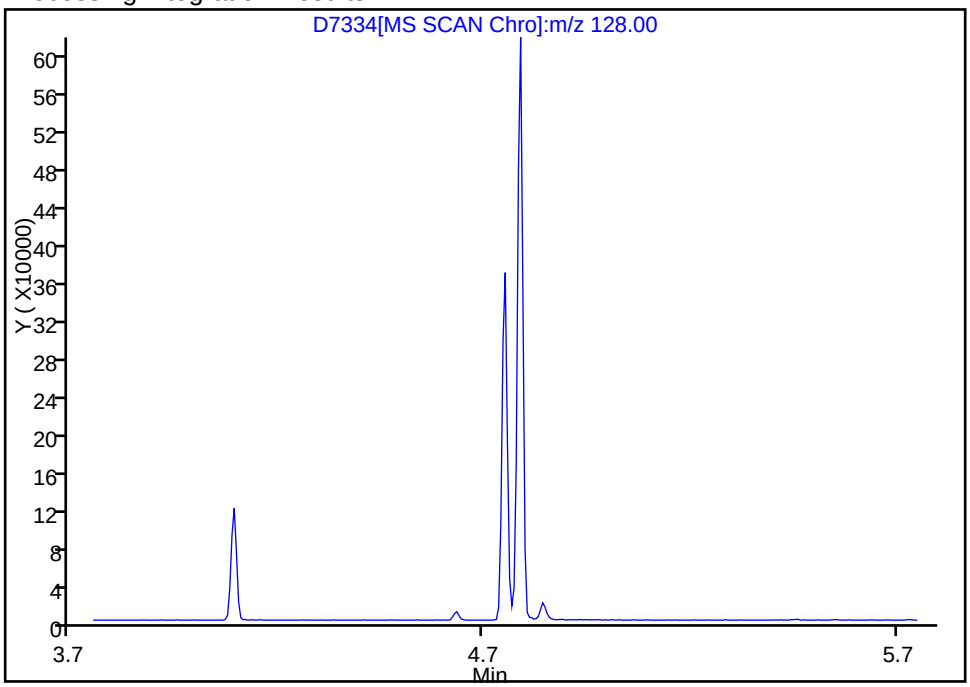
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7334.D		
Injection Date:	03-Feb-2011 12:01:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	5
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

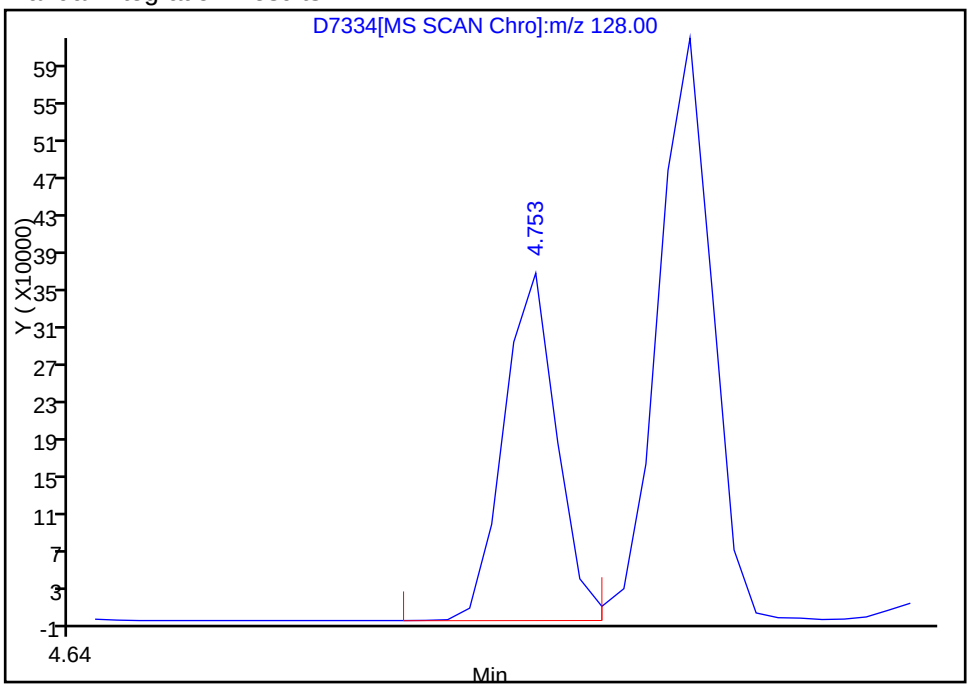
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 327898
Amount: 42.666485



Reviewer: squiresb, 03-Feb-2011 12:23:38
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7335.D
Lims ID: sstd040 Client ID:
Inject. Date: 03-Feb-2011 12:19:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: SSTD040
Misc. Info.: 510-0004314-006 =510-0004314-006
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 6
Lims Batch ID: 75445 Lims Sample ID: 6
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:21:23 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:21:23

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.537	1.547	-0.010	91	77638	39.9	
30 N-Nitrosodimethylamine	74	1.686	1.697	-0.011	97	102917	43.6	
31 Pyridine	79	1.718	1.729	-0.011	97	183420	42.4	
$ 32 2-Fluorophenol	112	2.530	2.541	-0.011	83	197356	43.2	
$ 34 Phenol-d5	99	3.268	3.278	-0.010	0	207244	43.2	
35 Phenol	94	3.278	3.289	-0.011	94	203717	43.7	
36 Aniline	93	3.310	3.332	-0.022	25	193492	44.0	
37 Bis(2-chloroethyl)ether	93	3.364	3.364	0.0	91	160520	42.8	M
38 2-Chlorophenol	128	3.412	3.422	-0.010	90	203825	43.8	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	96	240345	45.1	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	91	150382	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	95	236215	43.8	
42 Benzyl alcohol	108	3.716	3.722	-0.006	83	117753	42.9	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	223260	44.0	
44 2-Methylphenol	108	3.813	3.823	-0.011	94	156721	43.4	
10 2,2'-oxybis(2-chloropropane)	45	3.845	3.850	-0.005	93	138972	42.8	
45 Acetophenone	105	3.957	3.962	-0.005	96	208876	44.6	
47 3 & 4 Methylphenol	108	3.957	3.967	-0.010	0	161874	44.2	
46 N-Nitrosodi-n-propylamine	70	3.962	3.967	-0.005	79	96405	44.1	
48 Hexachloroethane	117	4.053	4.053	0.0	89	80549	43.3	
$ 49 Nitrobenzene-d5	82	4.096	4.101	-0.005	81	156935	42.3	
50 Nitrobenzene	77	4.112	4.117	-0.005	80	139876	41.8	
51 Isophorone	82	4.336	4.347	-0.011	93	241019	43.7	
52 2-Nitrophenol	139	4.406	4.411	-0.005	83	107712	41.8	
53 2,4-Dimethylphenol	107	4.454	4.459	-0.005	88	173037	41.9	
54 Bis(2-chloroethoxy)methane	93	4.550	4.555	-0.005	95	171372	44.0	
5 Benzoic acid	105	4.534	4.587	-0.053	71	119163	41.2	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	95	152940	43.2	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	94	167595	41.8	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	226828	49.5	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	461057	40.0	
58 Naphthalene	128	4.790	4.790	0.0	97	516697	45.3	
S 3 Methyl Phenols,Total	100				0		87.6	
59 4-Chloroaniline	127	4.844	4.854	-0.010	82	187813	42.3	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	96	94151	41.4	
61 4-Chloro-3-methylphenol	107	5.319	5.330	-0.011	88	135938	41.2	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	85	298224	41.9	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	96	61556	42.6	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	87	98589	42.1	
65 2,4,5-Trichlorophenol	196	5.768	5.773	-0.005	85	111801	43.7	
$ 66 2-Fluorobiphenyl	172	5.827	5.826	0.001	99	375173	43.5	
116 1,1'-Biphenyl	154	5.923	5.928	-0.005	0	400114	43.7	
67 2-Chloronaphthalene	162	5.939	5.944	-0.005	95	314582	43.4	
68 2-Nitroaniline	65	6.051	6.056	-0.005	94	62628	40.6	
69 Dimethyl phthalate	163	6.286	6.297	-0.011	95	321674	42.2	
70 2,6-Dinitrotoluene	165	6.345	6.355	-0.010	74	84931	42.1	
71 Acenaphthylene	152	6.409	6.414	-0.005	97	479280	43.6	
72 3-Nitroaniline	138	6.526	6.537	-0.011	90	83090	42.5	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	90	249254	40.0	
74 Acenaphthene	153	6.607	6.612	-0.006	90	306712	42.6	
75 2,4-Dinitrophenol	184	6.644	6.654	-0.010	70	42309	35.0	
78 4-Nitrophenol	109	6.724	6.735	-0.011	78	33795	40.7	
76 2,4-Dinitrotoluene	165	6.788	6.799	-0.011	55	101481	41.8	
77 Dibenzofuran	168	6.793	6.799	-0.006	95	408786	42.8	
79 Diethyl phthalate	149	7.066	7.077	-0.011	97	288406	41.7	
80 Fluorene	166	7.151	7.157	-0.006	82	332850	42.0	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	86	149837	40.8	
82 4-Nitroaniline	138	7.173	7.189	-0.016	81	78101	42.0	
83 4,6-Dinitro-2-methylphenol	198	7.210	7.221	-0.011	71	50659	39.5	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	276188	42.8	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	1	214805	42.1	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	62	17106	42.1	
87 4-Bromophenyl phenyl ether	248	7.638	7.643	-0.005	55	76813	41.3	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	87	72654	41.6	
89 Pentachlorophenol	266	7.867	7.867	0.0	86	51456	41.7	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	343841	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	410094	44.6	
92 Anthracene	178	8.097	8.102	-0.005	98	425454	45.2	
93 Carbazole	167	8.241	8.246	-0.005	76	374244	44.6	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	394777	42.3	
95 Fluoranthene	202	9.032	9.037	-0.005	99	401149	42.9	
96 Benzidine	184	9.149	9.149	0.0	96	253006	167.2	
97 Pyrene	202	9.208	9.213	-0.005	96	421981	47.1	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	97	242561	43.1	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	92	161138	40.9	
100 3,3'-Dichlorobenzidine	252	10.111	10.116	-0.005	97	104623	40.7	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	100	337402	43.1	
* 103 Chrysene-d12	240	10.138	10.143	-0.005	96	246666	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.159	10.159	0.0	90	194336	41.7	
104 Chrysene	228	10.159	10.164	-0.005	73	336755	44.5	
105 Di-n-octyl phthalate	149	10.640	10.640	0.0	0	294052	47.2	
106 Benzo[b]fluoranthene	252	10.928	10.928	0.0	98	236084	43.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.944	10.950	-0.006	81	290147	48.5	
108 Benzo[a]pyrene	252	11.174	11.179	-0.005	96	241488	46.4	
* 109 Perylene-d12	264	11.217	11.217	0.0	94	151989	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.162	12.168	-0.006	91	203852	41.7	
111 Dibenz(a,h)anthracene	278	12.178	12.184	-0.006	87	166770	41.4	
24 Benzo[g,h,i]perylene	276	12.440	12.445	-0.005	98	182497	42.5	

QC Flag Legend

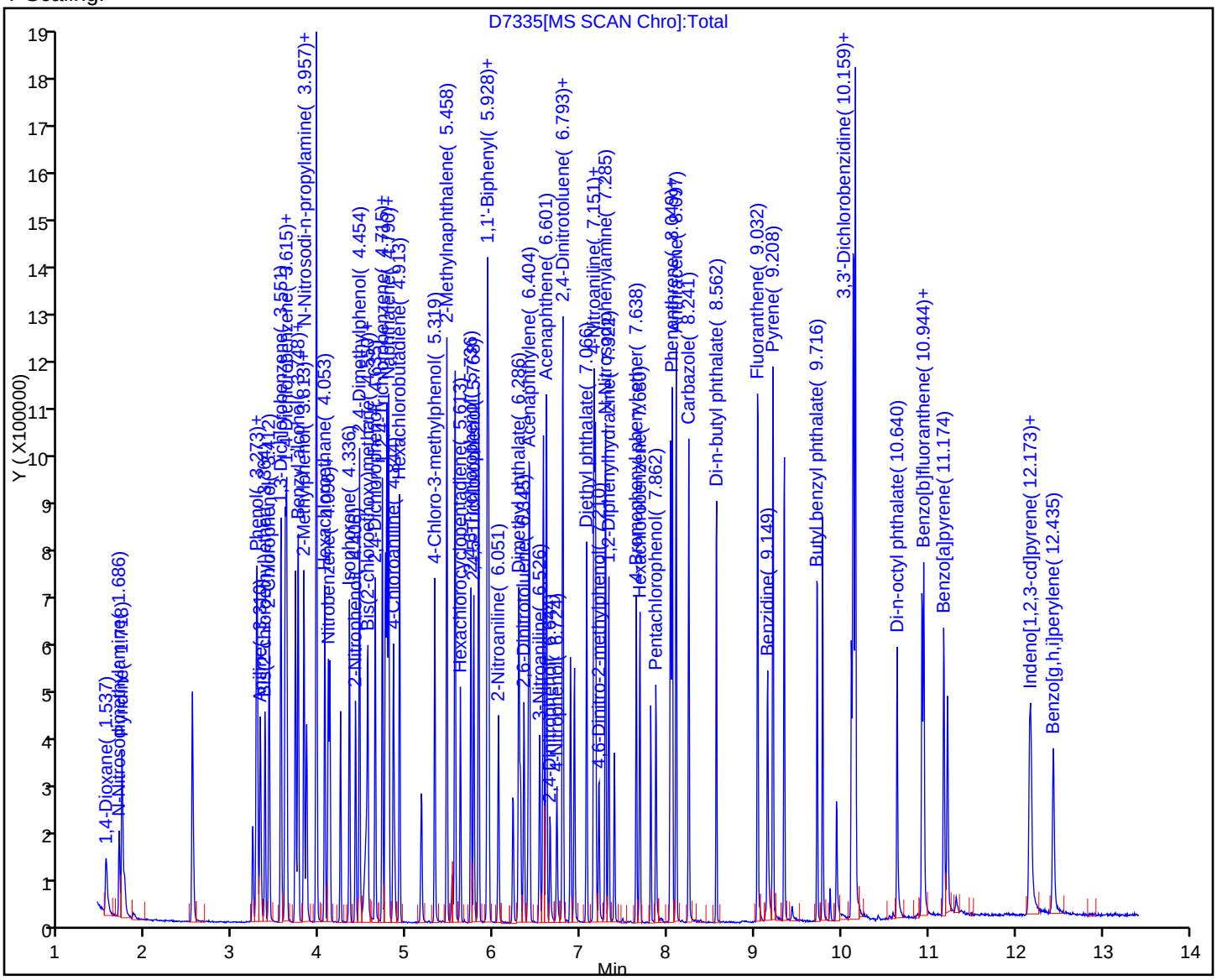
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:21:23 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7335.D

Injection Date:	03-Feb-2011 12:19:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:21:23 Chrom Revision: 1.2 29-Oct-2010 14:13:24

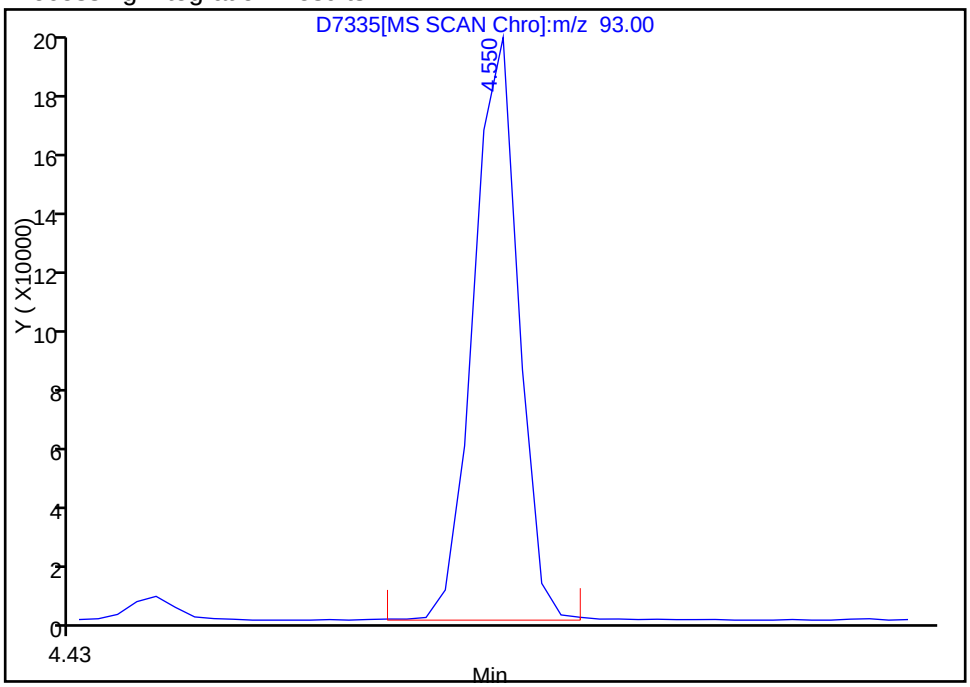
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7335.D		
Injection Date:	03-Feb-2011 12:19:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.36

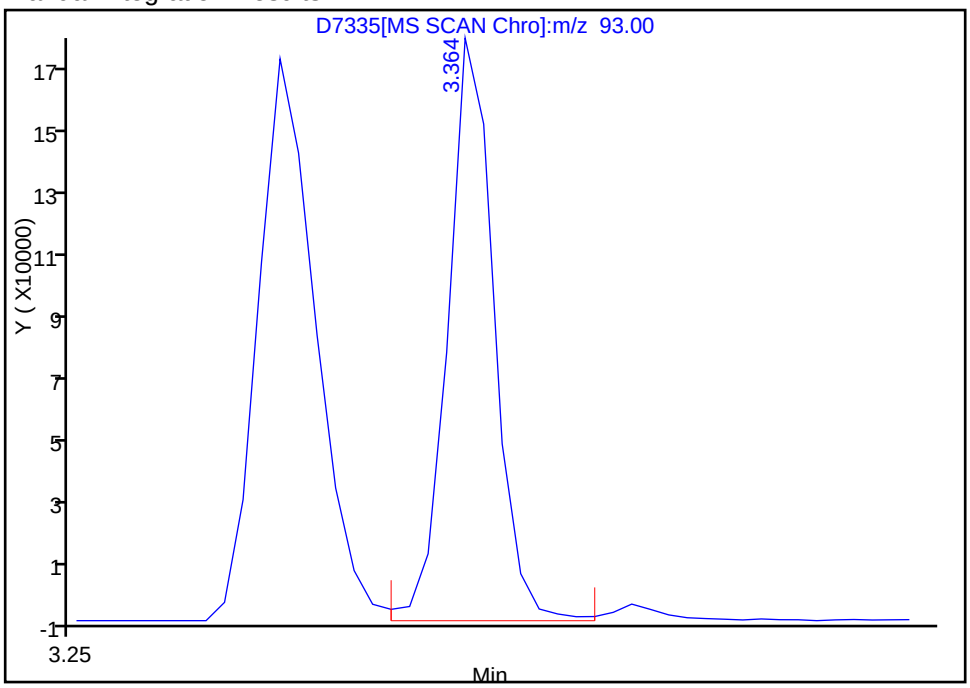
Processing Integration Results

RT: 4.55
Response: 171372
Amount: 45.405911



Manual Integration Results

RT: 3.36
Response: 160520
Amount: 42.838550



Reviewer: squiresb, 04-Feb-2011 15:21:23
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:21:23 Chrom Revision: 1.2 29-Oct-2010 14:13:24

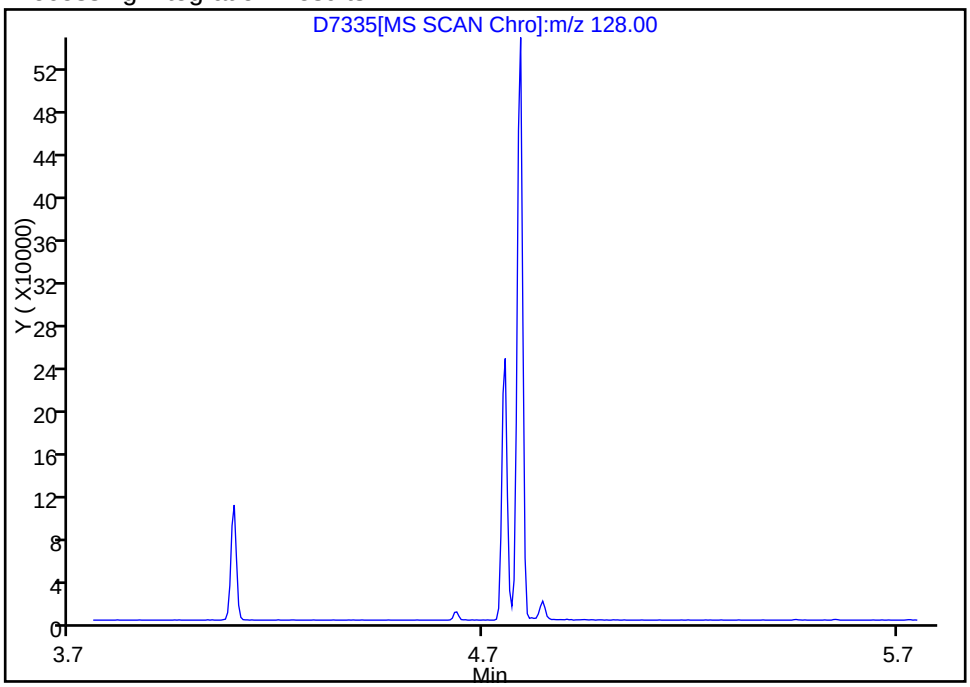
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7335.D		
Injection Date:	03-Feb-2011 12:19:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	6
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

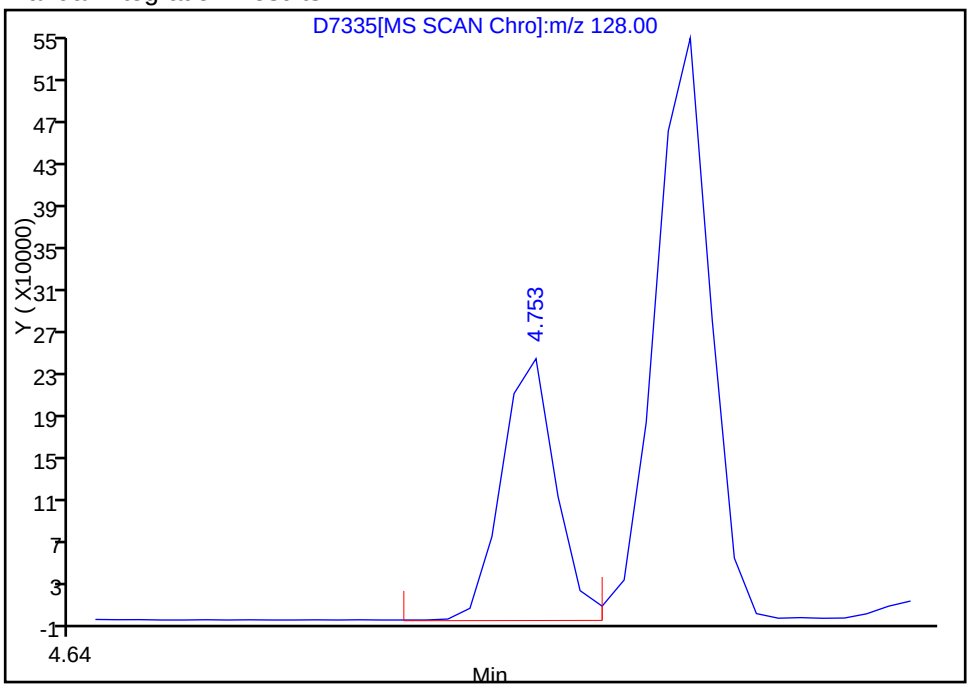
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 226828
Amount: 49.466818



Reviewer: squiresb, 03-Feb-2011 12:35:18
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7336.D
Lims ID: sstd050 Client ID:
Inject. Date: 03-Feb-2011 12:37:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 6
Sample ID: SSTD050
Misc. Info.: 510-0004314-007 =510-0004314-007
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 7
Lims Batch ID: 75445 Lims Sample ID: 7
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:21:34 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:21:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	90	114827	48.6	
30 N-Nitrosodimethylamine	74	1.692	1.697	-0.005	97	137529	48.0	
31 Pyridine	79	1.724	1.729	-0.005	98	249218	47.4	
$ 32 2-Fluorophenol	112	2.536	2.541	-0.005	83	259917	46.8	
$ 34 Phenol-d5	99	3.268	3.278	-0.010	0	280267	48.1	
35 Phenol	94	3.278	3.289	-0.011	94	273155	48.2	
36 Aniline	93	3.316	3.332	-0.016	25	263054	49.3	
37 Bis(2-chloroethyl)ether	93	3.369	3.369	0.0	92	212999	47.1	M
38 2-Chlorophenol	128	3.417	3.422	-0.005	89	267698	47.3	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	98	326299	48.2	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	182663	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	96	319855	48.9	
42 Benzyl alcohol	108	3.716	3.722	-0.006	82	162666	48.8	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	301483	48.9	
44 2-Methylphenol	108	3.818	3.823	-0.005	93	206515	47.0	
10 2,2'-oxybis(2-chloropropane)	45	3.845	3.850	-0.005	64	187240	47.5	
45 Acetophenone	105	3.957	3.962	-0.005	94	285323	50.2	
47 3 & 4 Methylphenol	108	3.957	3.967	-0.010	0	214961	48.4	
46 N-Nitrosodi-n-propylamine	70	3.962	3.967	-0.005	72	127730	48.1	
48 Hexachloroethane	117	4.053	4.053	0.0	88	109081	48.3	
$ 49 Nitrobenzene-d5	82	4.096	4.101	-0.005	82	218086	50.1	
50 Nitrobenzene	77	4.112	4.117	-0.005	81	191587	48.9	
51 Isophorone	82	4.336	4.347	-0.011	93	332392	51.5	
52 2-Nitrophenol	139	4.411	4.411	0.0	81	149408	49.5	
53 2,4-Dimethylphenol	107	4.454	4.459	-0.005	88	239157	49.5	
54 Bis(2-chloroethoxy)methane	93	4.550	4.555	-0.005	96	229965	48.7	
5 Benzoic acid	105	4.550	4.587	-0.037	35	187253	55.3	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	94	216994	48.2	
56 1,2,4-Trichlorobenzene	180	4.715	4.721	-0.006	93	228361	48.6	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	332356	61.9	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	539860	40.0	
58 Naphthalene	128	4.790	4.790	0.0	98	666832	49.9	
S 3 Methyl Phenols,Total	100				0		95.4	
59 4-Chloroaniline	127	4.844	4.854	-0.010	83	259654	50.0	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	96	128062	48.1	
61 4-Chloro-3-methylphenol	107	5.319	5.330	-0.011	89	197348	51.1	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	84	418815	50.3	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	90	93120	50.7	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	87	151364	50.8	
65 2,4,5-Trichlorophenol	196	5.768	5.773	-0.005	94	158123	48.7	
$ 66 2-Fluorobiphenyl	172	5.827	5.826	0.001	98	529923	48.4	
116 1,1'-Biphenyl	154	5.923	5.928	-0.005	0	563401	48.4	
67 2-Chloronaphthalene	162	5.939	5.944	-0.005	96	442006	48.0	
68 2-Nitroaniline	65	6.051	6.056	-0.005	94	97281	49.7	
69 Dimethyl phthalate	163	6.291	6.297	-0.006	96	474495	49.0	
70 2,6-Dinitrotoluene	165	6.350	6.355	-0.005	78	125956	49.1	
71 Acenaphthylene	152	6.409	6.414	-0.005	97	681561	48.8	
72 3-Nitroaniline	138	6.526	6.537	-0.011	92	130364	52.4	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	91	316762	40.0	
74 Acenaphthene	153	6.606	6.612	-0.006	90	455914	49.8	
75 2,4-Dinitrophenol	184	6.649	6.654	-0.005	67	80218	52.2	
78 4-Nitrophenol	109	6.724	6.735	-0.011	75	56510	53.6	
76 2,4-Dinitrotoluene	165	6.793	6.799	-0.006	48	156429	50.6	
77 Dibenzofuran	168	6.793	6.799	-0.006	94	603370	49.7	
79 Diethyl phthalate	149	7.071	7.077	-0.006	97	437363	49.7	
80 Fluorene	166	7.151	7.157	-0.006	82	499899	49.6	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	85	227510	48.8	
82 4-Nitroaniline	138	7.173	7.189	-0.016	79	114142	48.3	
83 4,6-Dinitro-2-methylphenol	198	7.210	7.221	-0.011	51	91628	53.9	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	416919	48.7	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	1	333155	49.2	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	68	25182	48.8	
87 4-Bromophenyl phenyl ether	248	7.638	7.643	-0.005	58	119456	48.4	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	85	112090	48.4	
89 Pentachlorophenol	266	7.867	7.867	0.0	90	85341	52.1	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	98	456165	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	609181	49.9	
92 Anthracene	178	8.097	8.102	-0.005	98	633857	50.7	
93 Carbazole	167	8.241	8.246	-0.005	94	561152	51.4	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	610319	49.3	
95 Fluoranthene	202	9.037	9.037	0.0	98	609348	49.1	
96 Benzidine	184	9.149	9.149	0.0	96	359178	169.5	
97 Pyrene	202	9.214	9.213	0.001	93	623829	49.7	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	96	380261	48.2	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	94	270251	49.0	
100 3,3'-Dichlorobenzidine	252	10.116	10.116	0.0	98	190063	52.8	
101 Benzo[a]anthracene	228	10.138	10.132	0.006	99	541855	49.5	
* 103 Chrysene-d12	240	10.143	10.143	0.0	96	345453	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.164	10.159	0.005	90	317907	48.8	
104 Chrysene	228	10.164	10.164	0.0	86	529378	49.9	
105 Di-n-octyl phthalate	149	10.645	10.640	0.005	0	528572	49.6	
106 Benzo[b]fluoranthene	252	10.934	10.928	0.006	98	429541	46.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.955	10.950	0.005	81	526200	51.5	
108 Benzo[a]pyrene	252	11.185	11.179	0.006	96	449049	50.5	
* 109 Perylene-d12	264	11.228	11.217	0.011	94	259619	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.178	12.168	0.010	93	418895	50.2	
111 Dibenz(a,h)anthracene	278	12.194	12.184	0.010	90	361907	52.6	
24 Benzo[g,h,i]perylene	276	12.451	12.445	0.006	96	366714	50.0	

QC Flag Legend

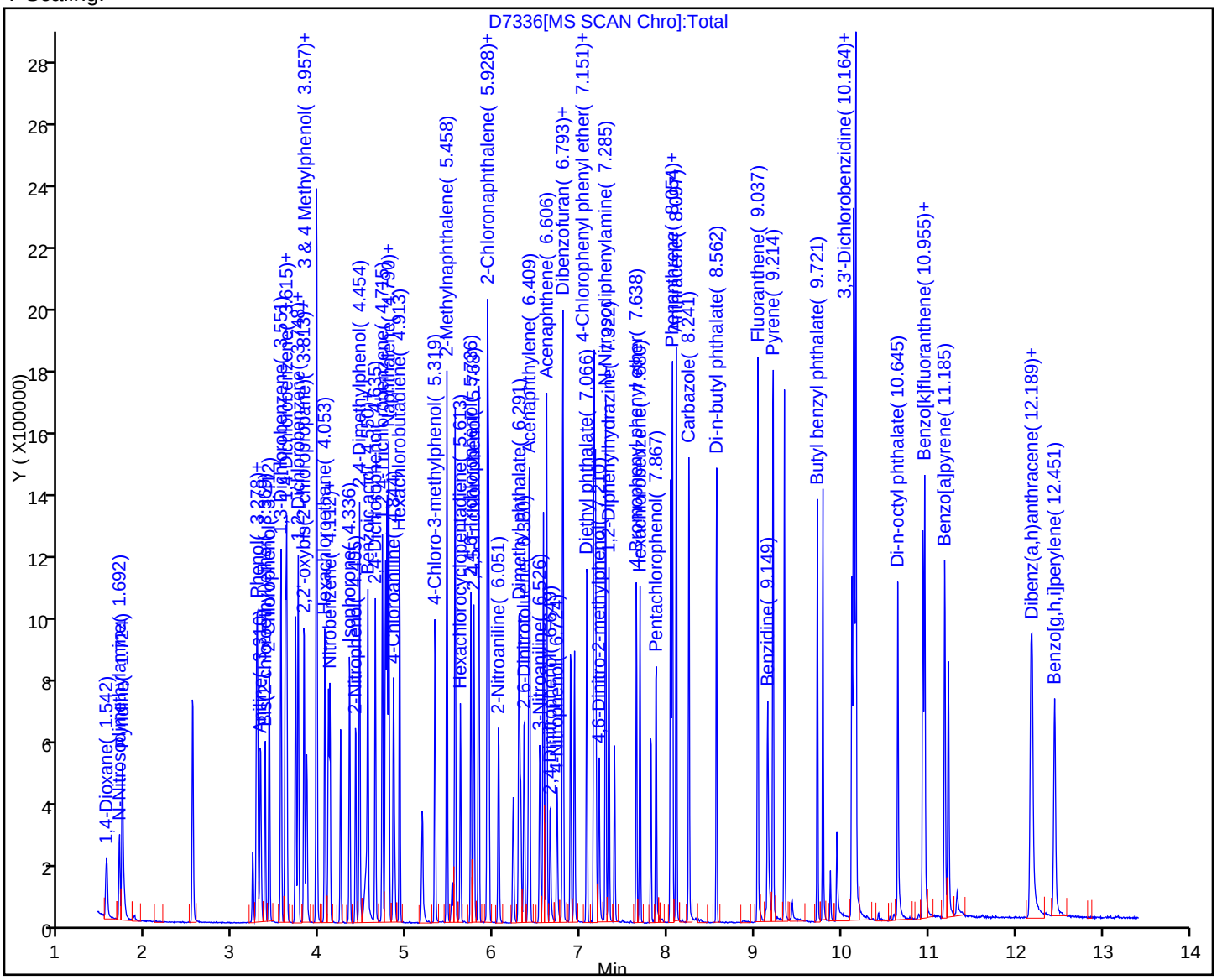
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:21:35 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7336.D

Injection Date:	03-Feb-2011 12:37:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:21:35 Chrom Revision: 1.2 29-Oct-2010 14:13:24

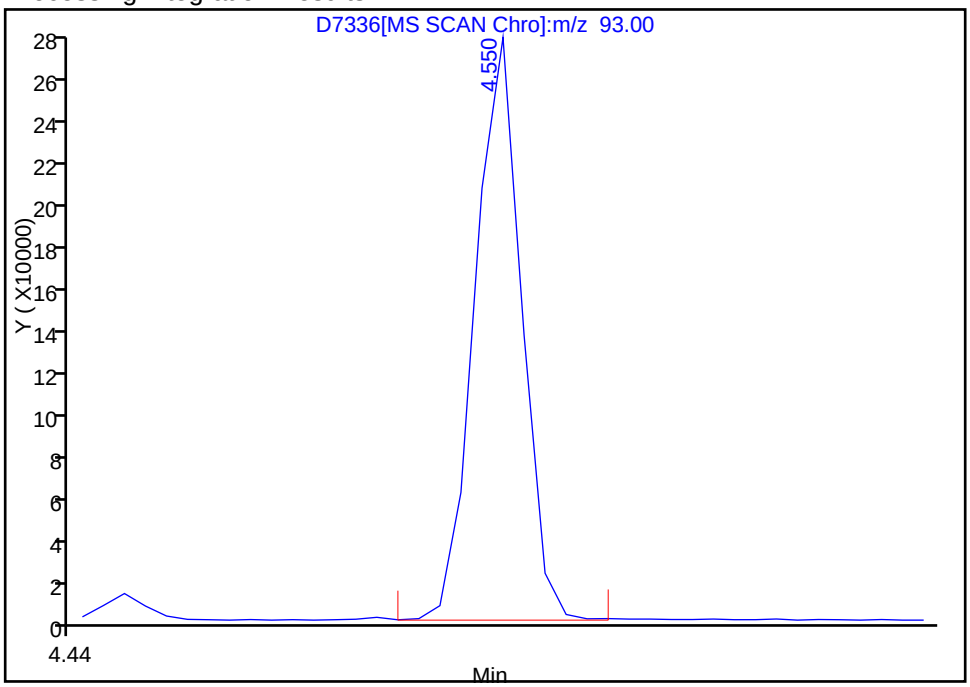
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7336.D		
Injection Date:	03-Feb-2011 12:37:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.37

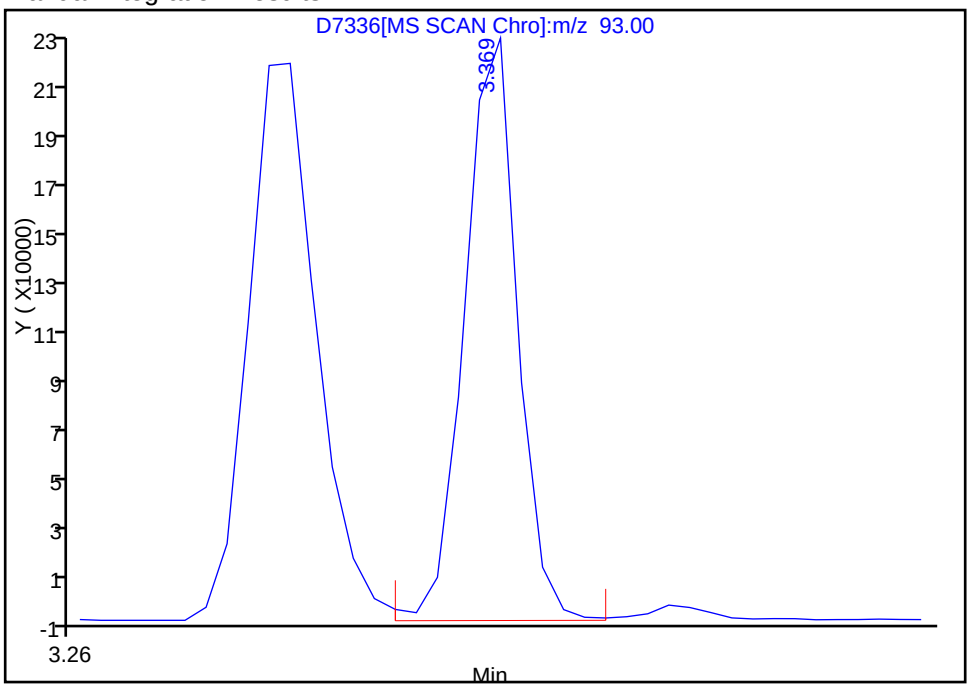
Processing Integration Results

RT: 4.55
Response: 229965
Amount: 50.525733



Manual Integration Results

RT: 3.37
Response: 212999
Amount: 47.149635



Reviewer: squiresb, 04-Feb-2011 15:21:34
Audit Action: Manually Integrated
Audit Reason: Other

Report Date: 04-Feb-2011 15:21:35 Chrom Revision: 1.2 29-Oct-2010 14:13:24

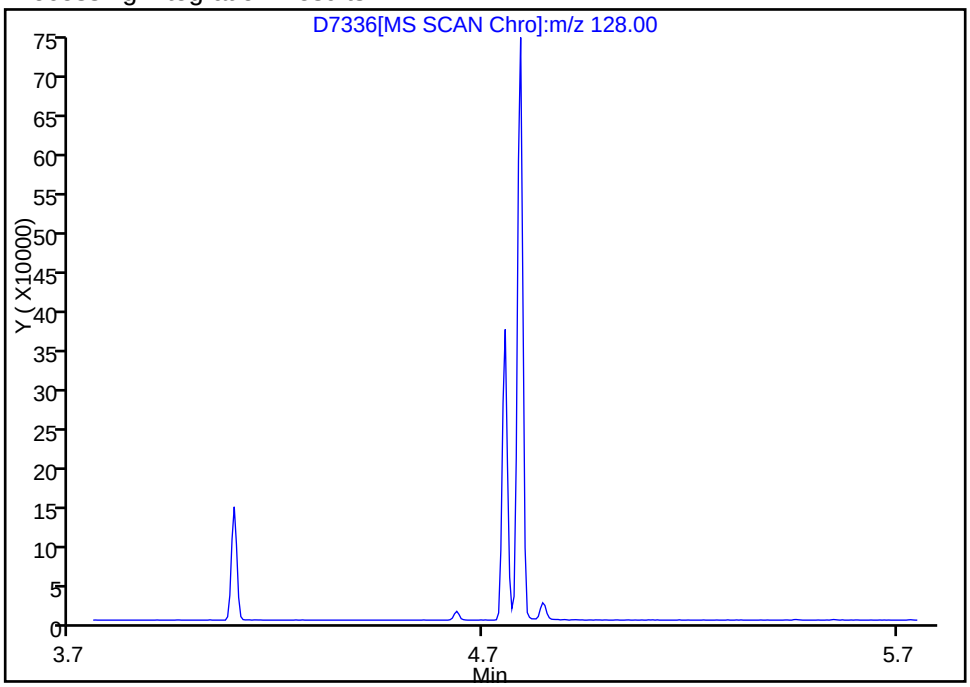
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7336.D		
Injection Date:	03-Feb-2011 12:37:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	7
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

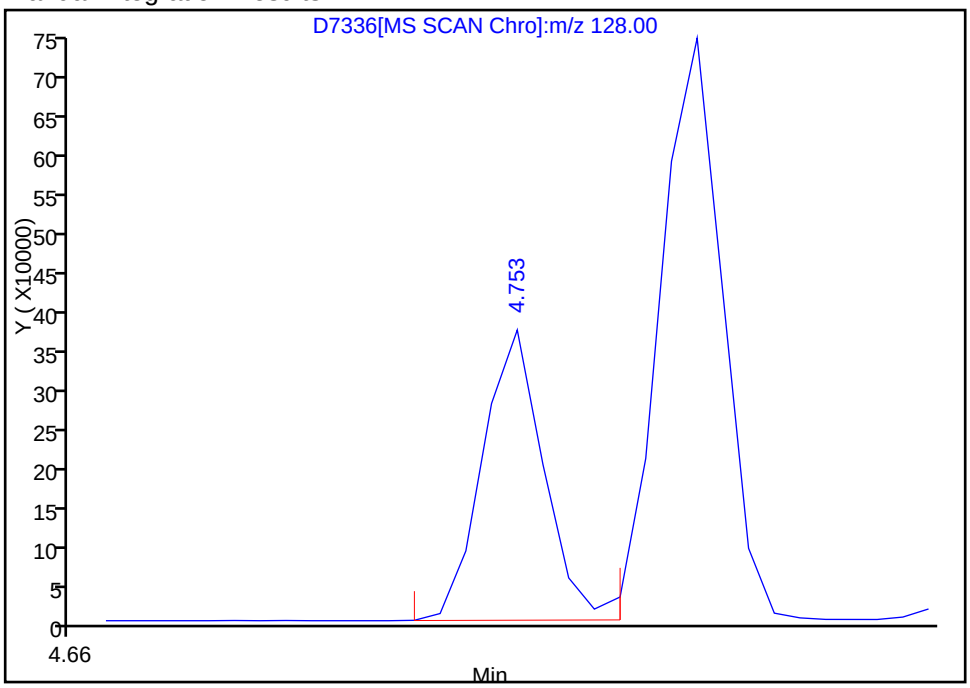
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 332356
Amount: 61.900521



Reviewer: squiresb, 03-Feb-2011 13:19:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7337.D
Lims ID: sstd060 Client ID:
Inject. Date: 03-Feb-2011 12:56:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: SSTD060
Misc. Info.: 510-0004314-008 =510-0004314-008
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 8
Lims Batch ID: 75445 Lims Sample ID: 8
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:21:45 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:21:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	91	183951	56.1	
30 N-Nitrosodimethylamine	74	1.691	1.697	-0.006	98	240025	60.4	
31 Pyridine	79	1.723	1.729	-0.006	96	427259	58.6	
$ 32 2-Fluorophenol	112	2.536	2.541	-0.005	87	435951	56.6	
$ 34 Phenol-d5	99	3.273	3.278	-0.005	0	459542	56.9	
35 Phenol	94	3.283	3.289	-0.006	93	442025	56.2	
36 Aniline	93	3.315	3.332	-0.017	25	403400	54.5	
37 Bis(2-chloroethyl)ether	93	3.369	3.369	0.0	93	358254	57.5	M
38 2-Chlorophenol	128	3.417	3.422	-0.005	91	441691	56.3	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	97	545397	63.2	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	93	253364	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	94	525390	57.9	
42 Benzyl alcohol	108	3.721	3.722	-0.001	83	263457	57.0	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	492327	57.6	
44 2-Methylphenol	108	3.818	3.823	-0.005	94	340313	55.9	
10 2,2'-oxybis(2-chloropropane)	45	3.844	3.850	-0.006	64	317504	58.1	
45 Acetophenone	105	3.962	3.962	0.0	95	445289	56.5	
47 3 & 4 Methylphenol	108	3.962	3.967	-0.005	0	342912	55.6	
46 N-Nitrosodi-n-propylamine	70	3.967	3.967	0.0	81	212759	57.7	
48 Hexachloroethane	117	4.053	4.053	0.0	91	185951	59.3	
$ 49 Nitrobenzene-d5	82	4.095	4.101	-0.006	83	358123	61.0	
50 Nitrobenzene	77	4.117	4.117	0.0	80	309932	58.6	
51 Isophorone	82	4.341	4.347	-0.006	93	501726	57.6	
52 2-Nitrophenol	139	4.411	4.411	0.0	83	246353	60.5	
53 2,4-Dimethylphenol	107	4.453	4.459	-0.006	89	377400	57.9	
54 Bis(2-chloroethoxy)methane	93	4.550	4.555	-0.005	96	376442	57.4	
5 Benzoic acid	105	4.571	4.587	-0.016	89	306218	67.0	
55 2,4-Dichlorophenol	162	4.635	4.640	-0.005	96	334053	58.2	
56 1,2,4-Trichlorobenzene	180	4.720	4.721	-0.001	94	382730	60.4	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	475075	65.6	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	728447	40.0	
58 Naphthalene	128	4.790	4.790	0.0	97	1025801	56.9	
S 3 Methyl Phenols,Total	100				0		111.5	
59 4-Chloroaniline	127	4.849	4.854	-0.005	82	362090	51.6	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	98	218825	61.0	
61 4-Chloro-3-methylphenol	107	5.324	5.330	-0.006	87	299471	57.5	
62 2-Methylnaphthalene	141	5.458	5.463	-0.005	83	655546	58.3	
63 Hexachlorocyclopentadiene	237	5.618	5.613	0.005	94	101484	43.4	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	87	230809	60.8	
65 2,4,5-Trichlorophenol	196	5.773	5.773	0.0	96	242434	58.5	
$ 66 2-Fluorobiphenyl	172	5.826	5.826	0.0	97	806542	57.7	
116 1,1'-Biphenyl	154	5.928	5.928	0.0	0	844576	56.9	
67 2-Chloronaphthalene	162	5.939	5.944	-0.005	97	671593	57.2	
68 2-Nitroaniline	65	6.056	6.056	0.0	95	146600	58.7	
69 Dimethyl phthalate	163	6.291	6.297	-0.006	97	717205	58.1	
70 2,6-Dinitrotoluene	165	6.350	6.355	-0.005	75	196094	60.0	
71 Acenaphthylene	152	6.409	6.414	-0.005	97	986585	55.4	
72 3-Nitroaniline	138	6.532	6.537	-0.005	88	186088	58.7	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	92	404005	40.0	
74 Acenaphthene	153	6.606	6.612	-0.006	90	672857	57.6	
75 2,4-Dinitrophenol	184	6.649	6.654	-0.005	71	128864	65.8	
78 4-Nitrophenol	109	6.729	6.735	-0.006	74	85442	63.5	
76 2,4-Dinitrotoluene	165	6.793	6.799	-0.006	54	236079	59.9	
77 Dibenzofuran	168	6.799	6.799	0.0	94	873457	56.4	
79 Diethyl phthalate	149	7.071	7.077	-0.006	97	662454	59.1	
80 Fluorene	166	7.151	7.157	-0.006	81	733048	57.0	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	86	354565	59.6	
82 4-Nitroaniline	138	7.178	7.189	-0.011	80	174650	58.0	
83 4,6-Dinitro-2-methylphenol	198	7.215	7.221	-0.006	48	148371	68.8	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	625036	57.5	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	1	494019	57.5	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	59	41234	62.6	
87 4-Bromophenyl phenyl ether	248	7.643	7.643	0.0	52	187856	60.0	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	84	173624	59.1	
89 Pentachlorophenol	266	7.867	7.867	0.0	89	140185	67.5	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	579105	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	887441	57.2	
92 Anthracene	178	8.102	8.102	0.0	97	907942	57.2	
93 Carbazole	167	8.246	8.246	0.0	94	802969	59.3	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	941349	59.9	
95 Fluoranthene	202	9.037	9.037	0.0	98	905443	57.5	
96 Benzidine	184	9.149	9.149	0.0	96	722172	248.7	
97 Pyrene	202	9.213	9.213	0.0	93	910082	53.0	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	95	599087	55.5	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	92	457975	60.7	
100 3,3'-Dichlorobenzidine	252	10.111	10.116	-0.005	97	312635	63.4	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	98	837370	55.8	
* 103 Chrysene-d12	240	10.138	10.143	-0.005	89	473252	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.154	10.159	-0.005	93	546920	61.2	
104 Chrysene	228	10.159	10.164	-0.005	67	835711	57.5	
105 Di-n-octyl phthalate	149	10.634	10.640	-0.006	0	919386	65.7	
106 Benzo[b]fluoranthene	252	10.923	10.928	-0.005	97	710485	58.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.944	10.950	-0.006	78	847993	63.1	
108 Benzo[a]pyrene	252	11.174	11.179	-0.005	95	726594	62.2	
* 109 Perylene-d12	264	11.217	11.217	0.0	94	341400	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.168	12.168	0.0	92	712769	65.0	
111 Dibenz(a,h)anthracene	278	12.178	12.184	-0.006	86	597354	66.0	
24 Benzo[g,h,i]perylene	276	12.440	12.445	-0.005	98	610553	63.4	

QC Flag Legend

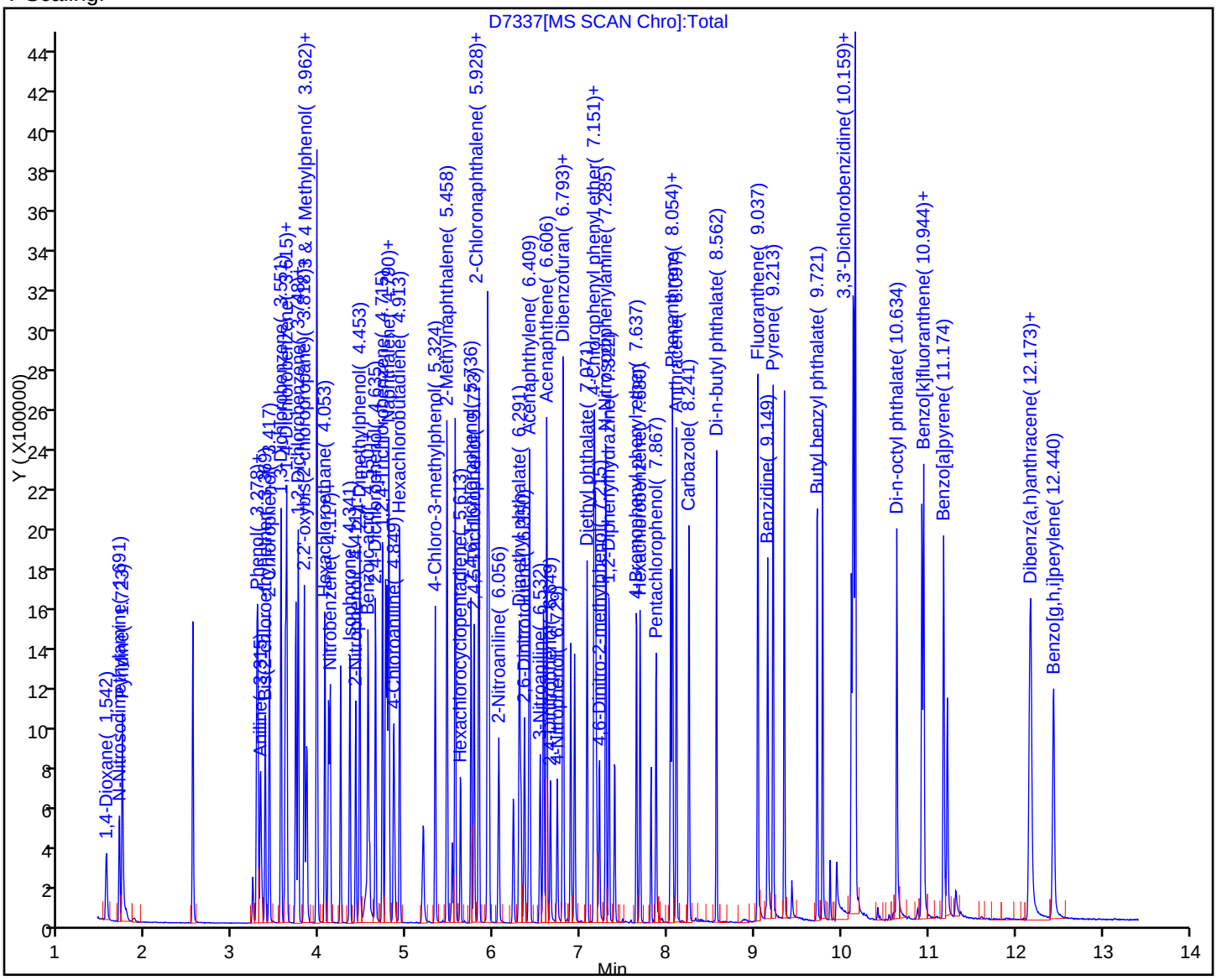
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:21:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7337.D

Injection Date:	03-Feb-2011 12:56:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:21:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

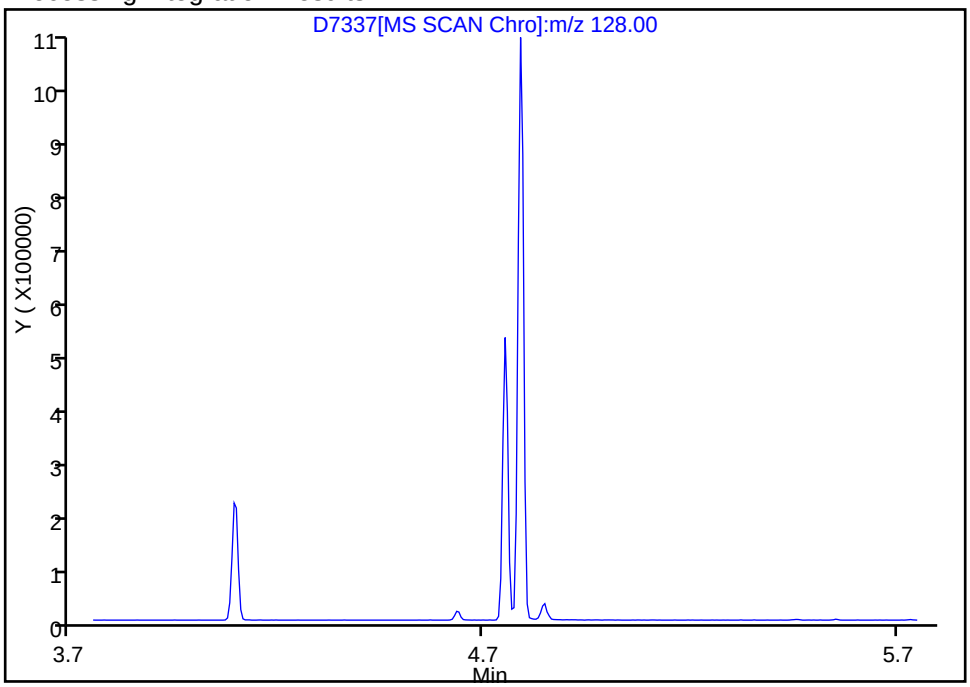
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7337.D		
Injection Date:	03-Feb-2011 12:56:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

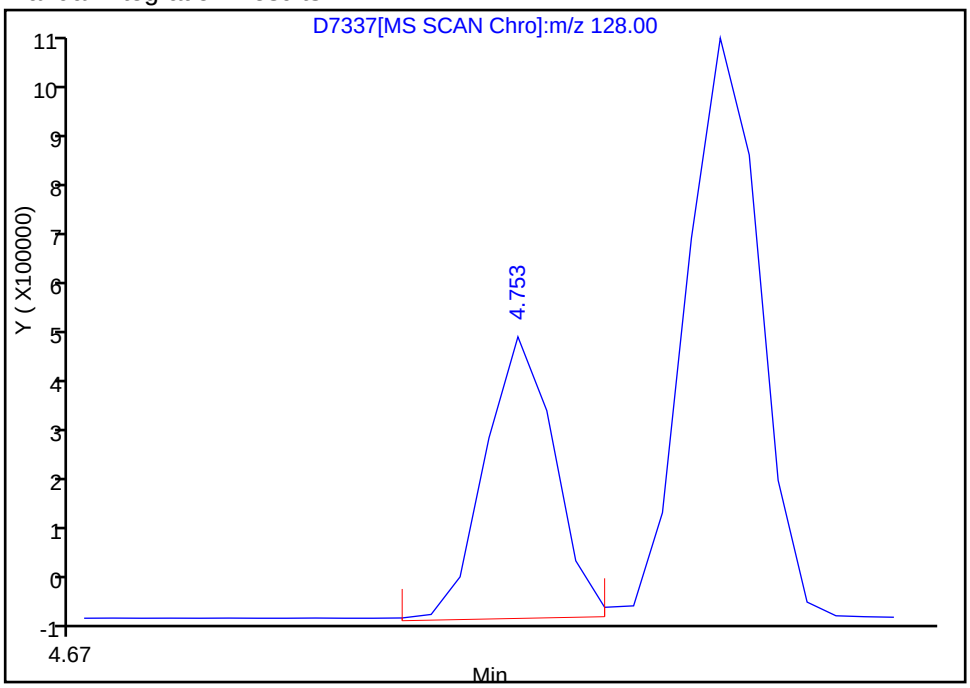
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 475075
Amount: 65.574676



Reviewer: squiresb, 03-Feb-2011 13:21:28
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:21:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

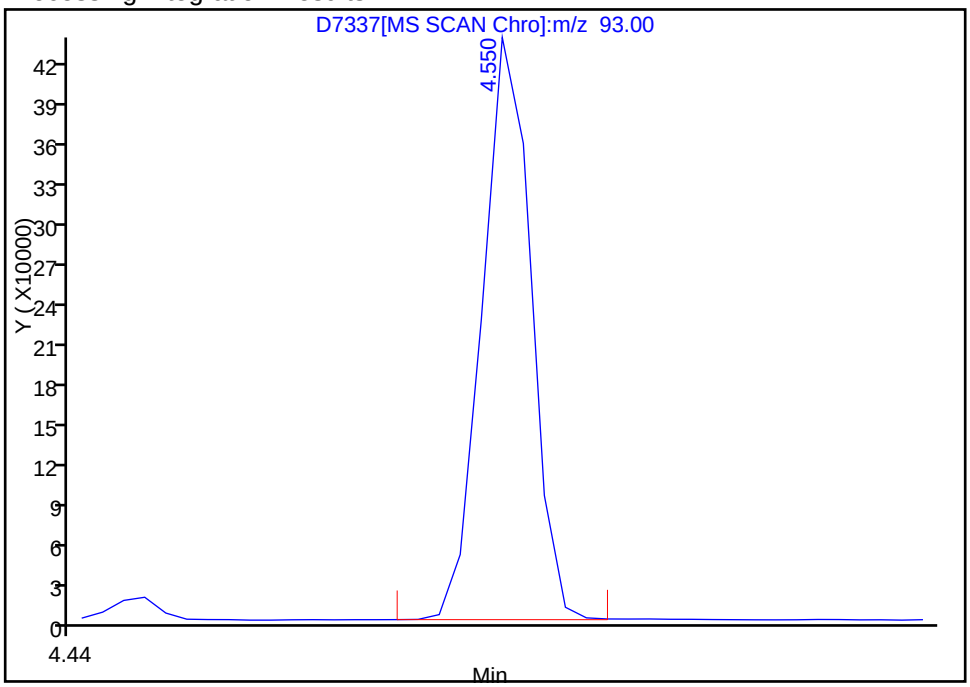
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7337.D		
Injection Date:	03-Feb-2011 12:56:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	8
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.37

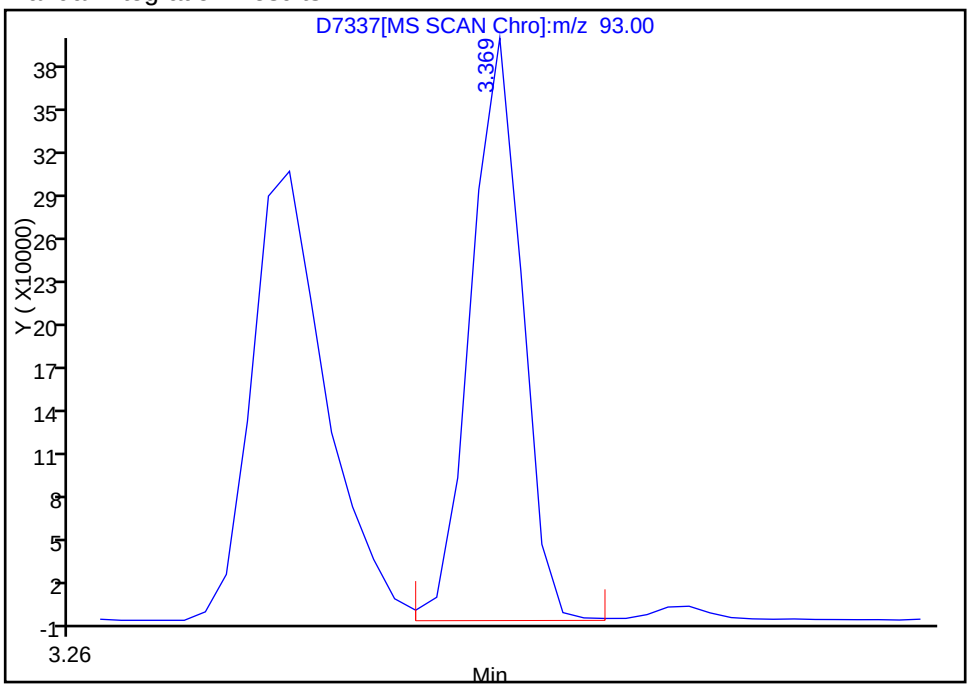
Processing Integration Results

RT: 4.55
Response: 376442
Amount: 60.076486



Manual Integration Results

RT: 3.37
Response: 358254
Amount: 57.451793



Reviewer: squiresb, 04-Feb-2011 15:21:45
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Lims ID:	sstd080	Client ID:	
Inject. Date:	03-Feb-2011 13:14:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	SSTD080		
Misc. Info.:	510-0004314-009 =510-0004314-009		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	75445	Lims Sample ID:	9
Sublist:	chrom-8270C_SMSA*sub25		
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m		
Last Update:	04-Feb-2011 15:22:04	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	04-Feb-2011 15:22:04

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	88	227036	72.4	
30 N-Nitrosodimethylamine	74	1.697	1.697	0.0	97	291885	76.8	
31 Pyridine	79	1.729	1.729	0.0	97	517797	74.3	M
$ 32 2-Fluorophenol	112	2.536	2.541	-0.005	87	540425	73.4	
$ 34 Phenol-d5	99	3.273	3.278	-0.005	0	576849	74.7	
35 Phenol	94	3.284	3.289	-0.005	93	585092	77.8	M
36 Aniline	93	3.316	3.332	-0.016	25	479988	67.8	
37 Bis(2-chloroethyl)ether	93	3.369	3.369	0.0	91	477522	80.2	M
38 2-Chlorophenol	128	3.417	3.422	-0.005	91	536895	71.6	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	96	653469	73.3	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	242264	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	93	635674	73.2	
42 Benzyl alcohol	108	3.722	3.722	0.0	82	343005	77.6	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	598734	73.3	
44 2-Methylphenol	108	3.818	3.823	-0.005	95	429470	73.7	
10 2,2'-oxybis(2-chloropropane)	45	3.845	3.850	-0.005	64	412064	78.8	
45 Acetophenone	105	3.962	3.962	0.0	95	555700	73.7	
47 3 & 4 Methylphenol	108	3.967	3.967	0.0	0	427016	72.4	
46 N-Nitrosodi-n-propylamine	70	3.967	3.967	0.0	68	277557	78.8	
48 Hexachloroethane	117	4.053	4.053	0.0	91	232917	77.7	
$ 49 Nitrobenzene-d5	82	4.101	4.101	0.0	82	447105	77.5	
50 Nitrobenzene	77	4.117	4.117	0.0	81	392115	75.5	
51 Isophorone	82	4.347	4.347	0.0	92	645888	75.4	
52 2-Nitrophenol	139	4.411	4.411	0.0	84	316851	79.2	
53 2,4-Dimethylphenol	107	4.459	4.459	0.0	88	484474	75.6	
54 Bis(2-chloroethoxy)methane	93	4.555	4.555	0.0	95	484887	77.4	
5 Benzoic acid	105	4.582	4.587	-0.005	89	372511	82.9	
55 2,4-Dichlorophenol	162	4.641	4.640	0.001	94	442021	74.6	
56 1,2,4-Trichlorobenzene	180	4.721	4.721	0.0	95	481056	77.2	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	554303	77.9	M

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	715751	40.0	
58 Naphthalene	128	4.790	4.790	0.0	96	1221184	68.9	
S 3 Methyl Phenols,Total	100				0		146.2	
59 4-Chloroaniline	127	4.849	4.854	-0.005	82	466064	67.7	
60 Hexachlorobutadiene	225	4.918	4.918	0.0	95	284184	80.6	
61 4-Chloro-3-methylphenol	107	5.324	5.330	-0.006	89	402548	78.7	
62 2-Methylnaphthalene	141	5.463	5.463	0.0	83	827345	74.9	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	89	107037	44.3	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	89	310783	79.2	
65 2,4,5-Trichlorophenol	196	5.773	5.773	0.0	95	320205	74.9	
$ 66 2-Fluorobiphenyl	172	5.827	5.826	0.001	96	1028707	71.3	
116 1,1'-Biphenyl	154	5.928	5.928	0.0	0	1072389	70.0	
67 2-Chloronaphthalene	162	5.944	5.944	0.0	96	866679	71.5	
68 2-Nitroaniline	65	6.056	6.056	0.0	93	209614	81.3	
69 Dimethyl phthalate	163	6.297	6.297	0.0	97	956517	75.0	
70 2,6-Dinitrotoluene	165	6.355	6.355	0.0	77	270423	80.1	
71 Acenaphthylene	152	6.414	6.414	0.0	96	1272858	69.3	
72 3-Nitroaniline	138	6.537	6.537	0.0	87	247525	75.6	
* 73 Acenaphthene-d10	164	6.574	6.574	0.0	82	417175	40.0	
74 Acenaphthene	153	6.607	6.612	-0.006	90	886306	73.5	
75 2,4-Dinitrophenol	184	6.655	6.654	0.001	77	182360	90.2	
78 4-Nitrophenol	109	6.735	6.735	0.0	73	118484	85.3	
76 2,4-Dinitrotoluene	165	6.799	6.799	0.0	52	330199	81.2	
77 Dibenzofuran	168	6.799	6.799	0.0	97	1148500	71.8	
79 Diethyl phthalate	149	7.077	7.077	0.0	96	916568	79.1	
80 Fluorene	166	7.157	7.157	0.0	81	985544	74.3	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	87	479398	78.0	
82 4-Nitroaniline	138	7.183	7.189	-0.006	80	255166	82.0	
83 4,6-Dinitro-2-methylphenol	198	7.216	7.221	-0.005	59	204832	88.9	
84 N-Nitrosodiphenylamine	169	7.290	7.290	0.0	0	833838	71.8	
85 1,2-Diphenylhydrazine	77	7.328	7.328	0.0	13	664030	72.4	
$ 86 2,4,6-Tribromophenol	141	7.392	7.392	0.0	66	56255	82.7	
87 4-Bromophenyl phenyl ether	248	7.643	7.643	0.0	53	264148	79.0	
88 Hexachlorobenzene	284	7.686	7.686	0.0	87	245252	78.1	
89 Pentachlorophenol	266	7.867	7.867	0.0	91	198691	89.6	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	618209	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	1129798	68.3	
92 Anthracene	178	8.102	8.102	0.0	96	1162603	68.6	
93 Carbazole	167	8.247	8.246	0.001	92	1045874	75.8	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	1220728	72.8	
95 Fluoranthene	202	9.037	9.037	0.0	97	1157059	68.8	
96 Benzidine	184	9.149	9.149	0.0	96	703042	255.8	
97 Pyrene	202	9.214	9.213	0.001	93	1170212	72.0	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	95	781924	76.5	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	95	586050	82.0	
100 3,3'-Dichlorobenzidine	252	10.122	10.116	0.006	97	370779	79.5	
101 Benzo[a]anthracene	228	10.138	10.132	0.006	97	981796	69.1	
* 103 Chrysene-d12	240	10.148	10.143	0.005	97	447864	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.164	10.159	0.005	90	674335	79.8	
104 Chrysene	228	10.164	10.164	0.0	90	996881	72.5	M
105 Di-n-octyl phthalate	149	10.645	10.640	0.005	0	1122117	80.2	
106 Benzo[b]fluoranthene	252	10.939	10.928	0.011	97	893500	73.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.955	10.950	0.005	63	1014594	75.6	
108 Benzo[a]pyrene	252	11.185	11.179	0.006	93	891717	76.4	
* 109 Perylene-d12	264	11.228	11.217	0.011	94	341085	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.178	12.168	0.010	90	902172	82.3	
111 Dibenz(a,h)anthracene	278	12.195	12.184	0.010	89	758989	84.0	
24 Benzo[g,h,i]perylene	276	12.456	12.445	0.011	96	758275	78.8	

QC Flag Legend

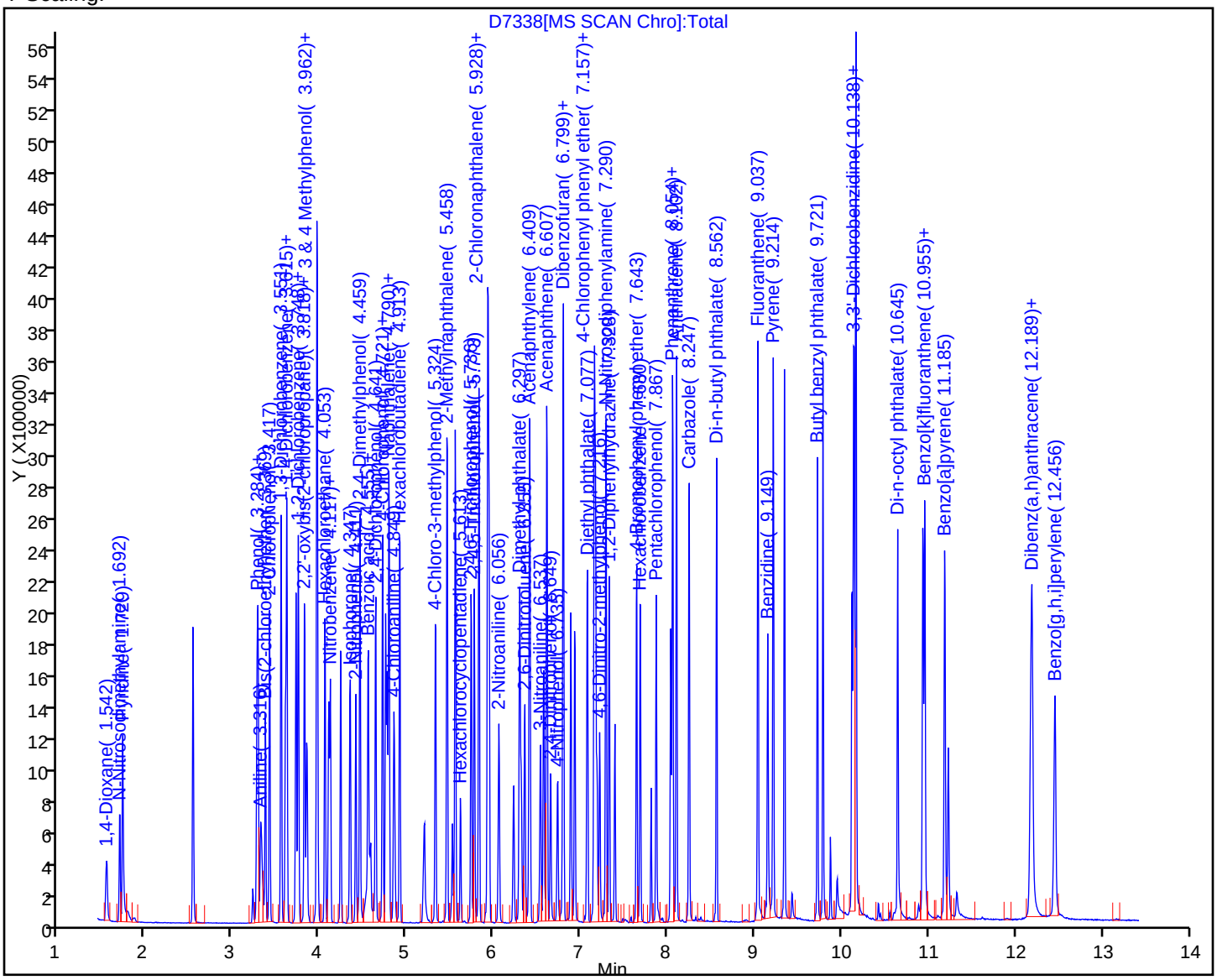
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D

Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

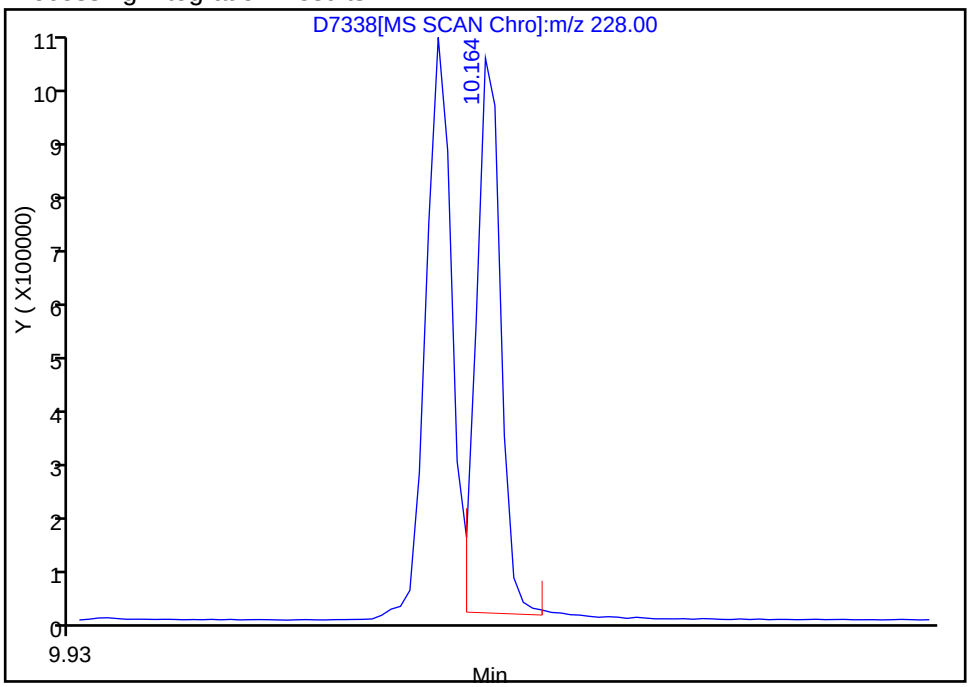
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 10.16

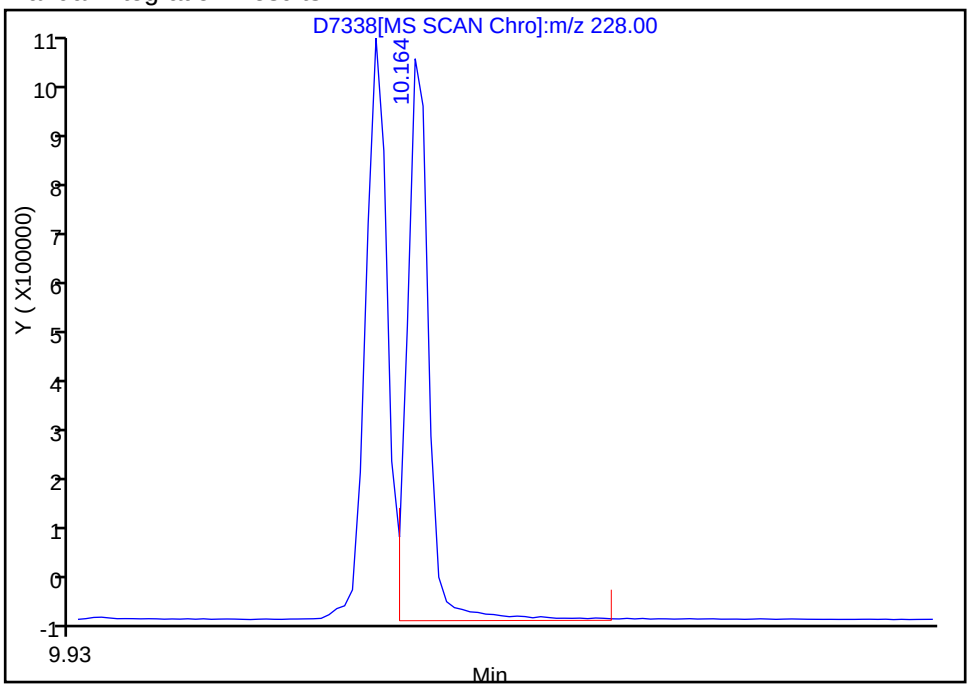
Processing Integration Results

RT: 10.16
Response: 919124
Amount: 65.323398



Manual Integration Results

RT: 10.16
Response: 996881
Amount: 72.471799



Reviewer: squiresb, 03-Feb-2011 13:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

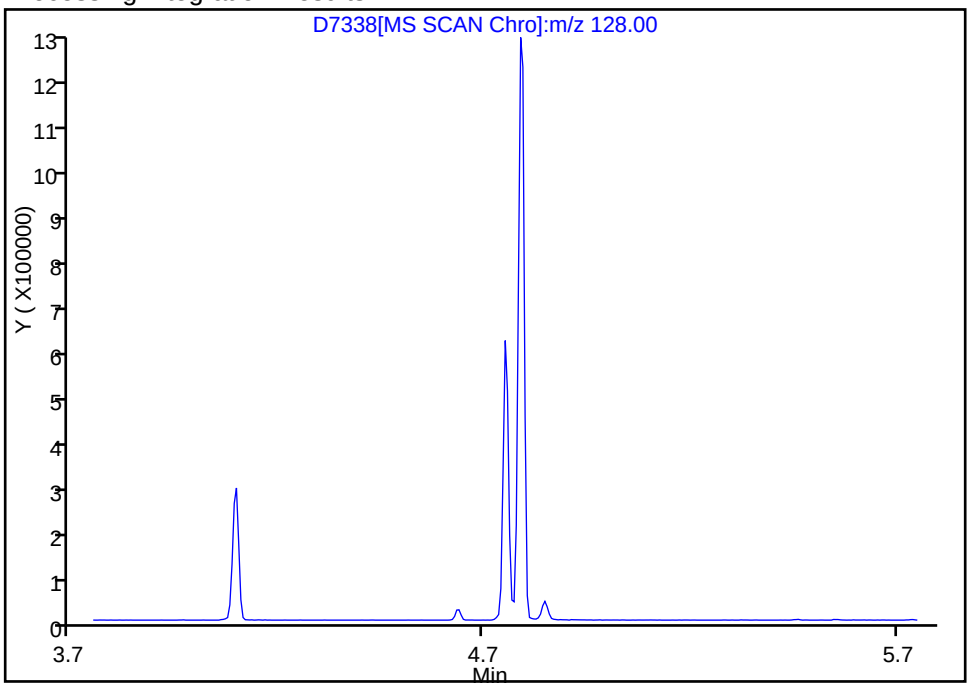
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

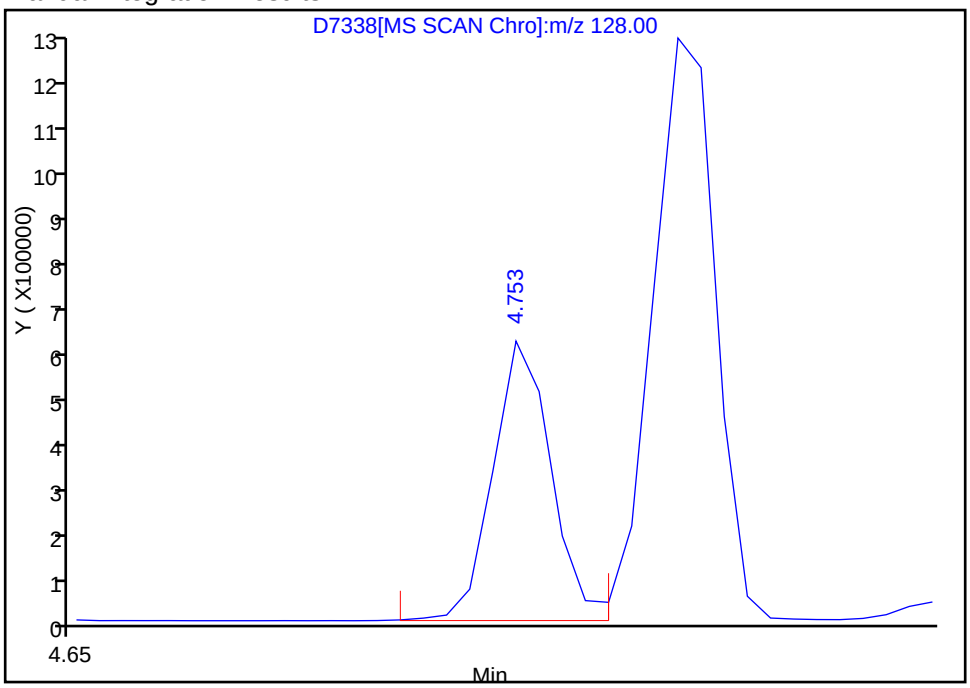
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 554303
Amount: 77.867673



Reviewer: squiresb, 03-Feb-2011 13:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

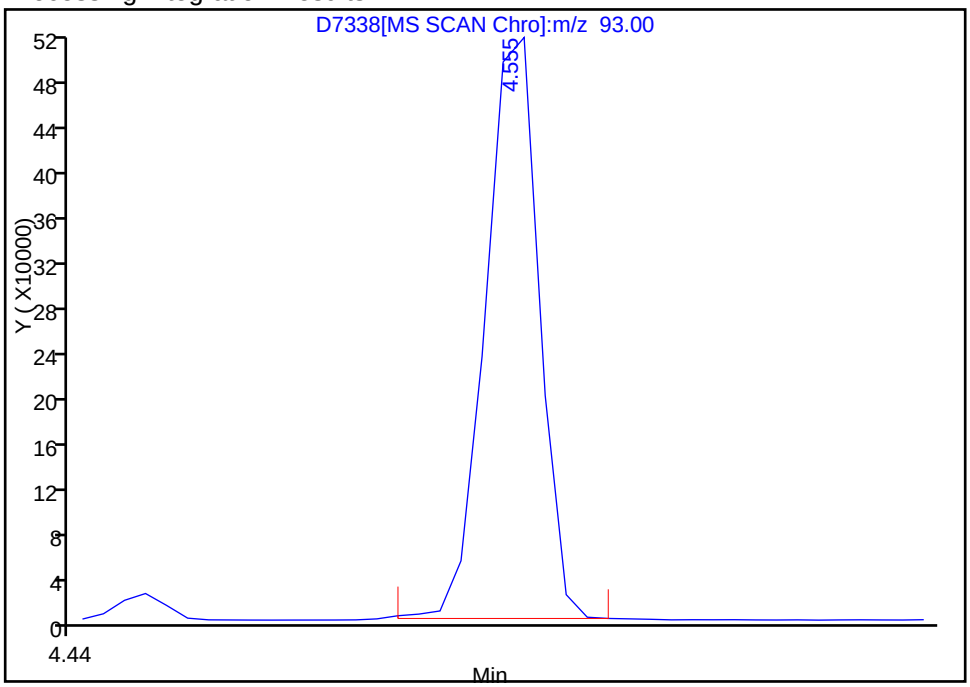
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.37

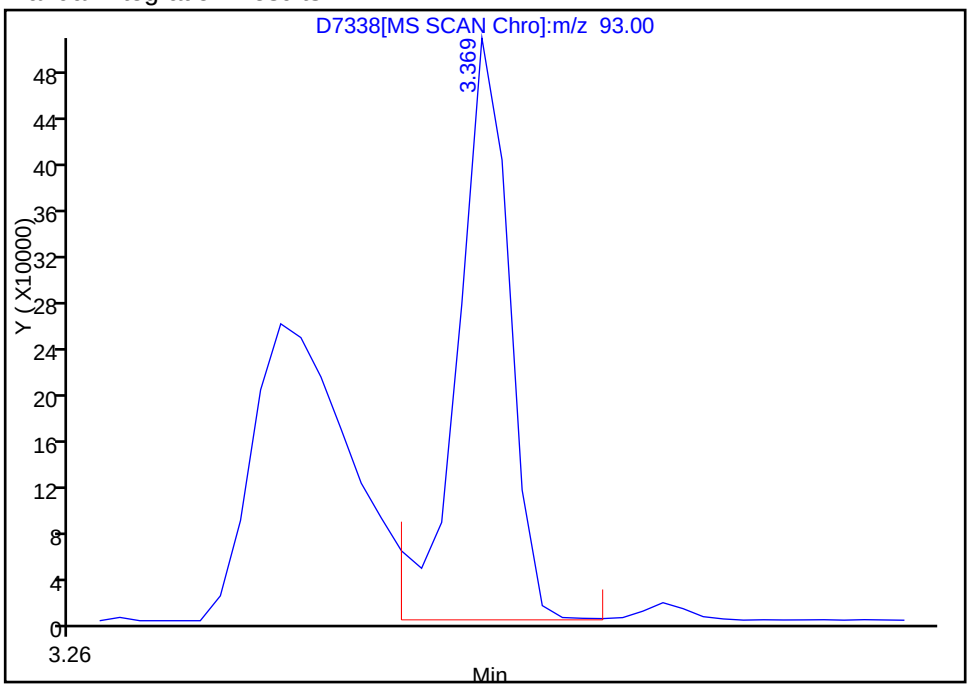
Processing Integration Results

RT: 4.56
Response: 484887
Amount: 81.322197



Manual Integration Results

RT: 3.37
Response: 477522
Amount: 80.210832



Reviewer: squiresb, 04-Feb-2011 15:22:04
Audit Action: Manually Integrated
Audit Reason: Analyst error

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

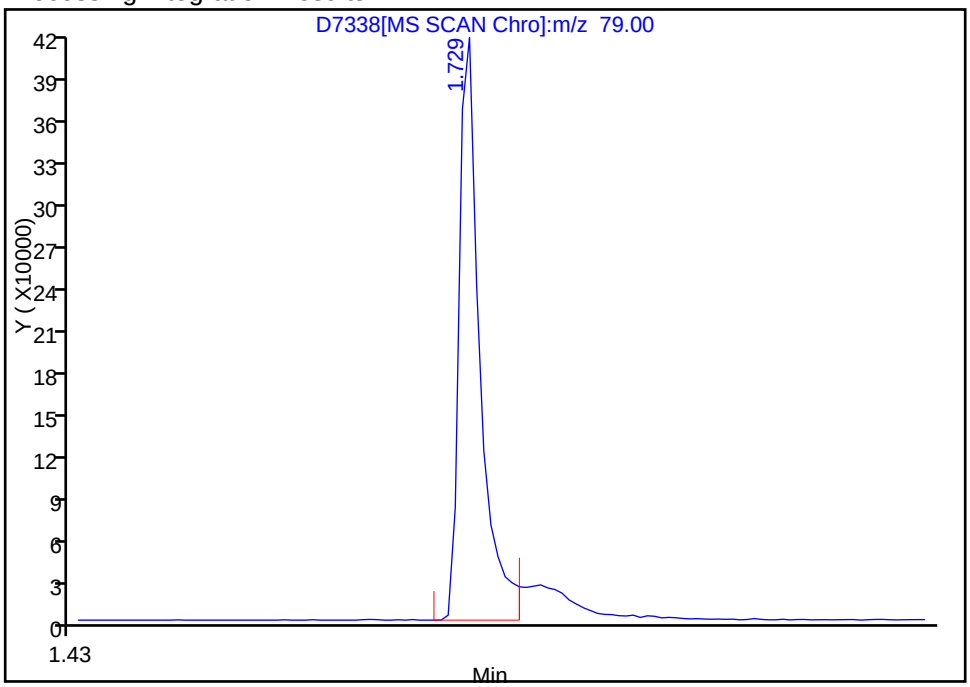
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

31 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 1.73

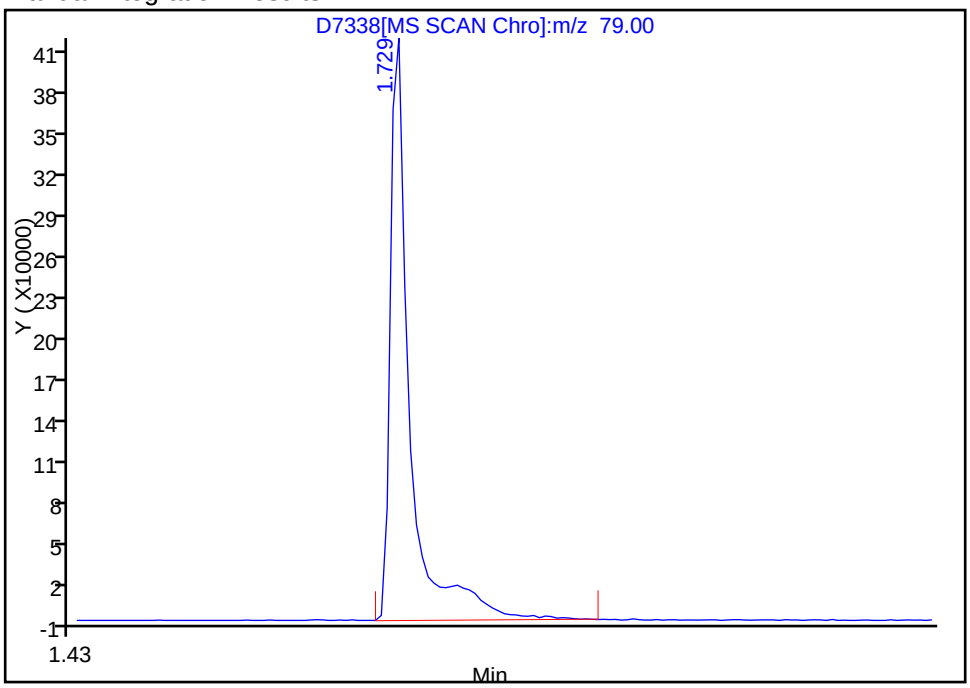
Processing Integration Results

RT: 1.73
Response: 452283
Amount: 64.537870



Manual Integration Results

RT: 1.73
Response: 517797
Amount: 74.273234



Reviewer: squiresb, 03-Feb-2011 13:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:22:05 Chrom Revision: 1.2 29-Oct-2010 14:13:24

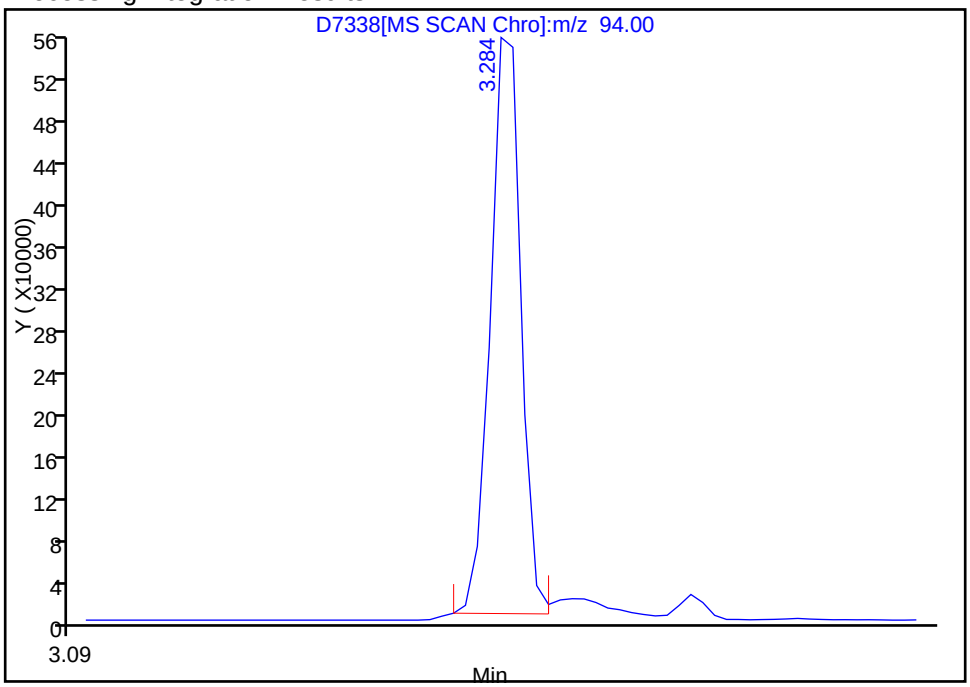
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7338.D		
Injection Date:	03-Feb-2011 13:14:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	9
Operator ID:	WDS	Injection Vol:	1.00 ul

35 Phenol, Signal: 1, m/z: 94.0 Type: quant, RT: 3.29

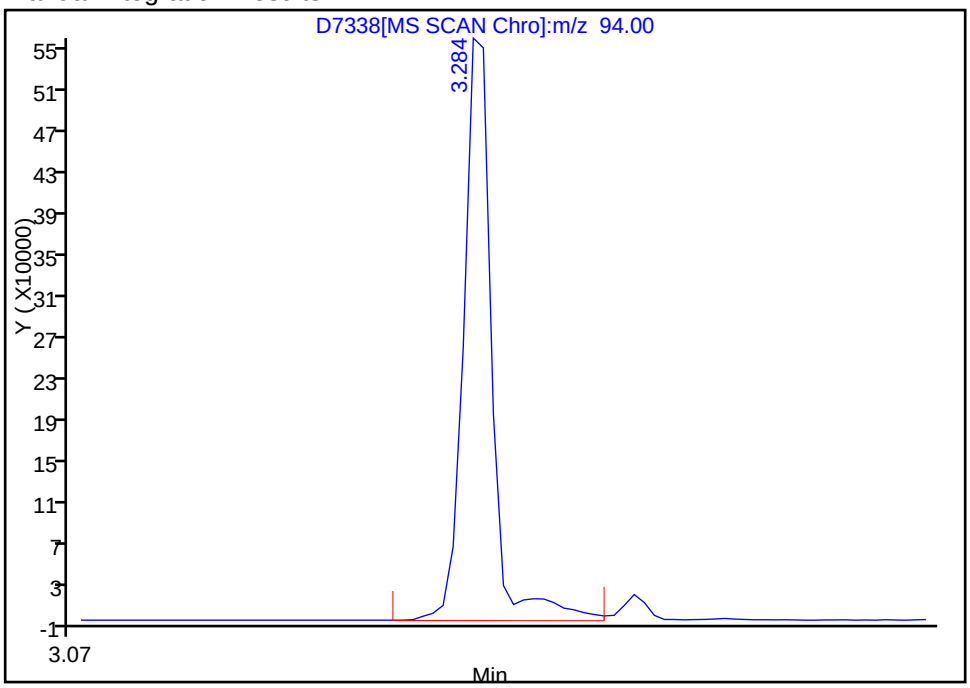
Processing Integration Results

RT: 3.28
Response: 525887
Amount: 68.452546



Manual Integration Results

RT: 3.28
Response: 585092
Amount: 77.841762



Reviewer: squiresb, 03-Feb-2011 13:50:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7339.D
Lims ID: sstd100 Client ID:
Inject. Date: 03-Feb-2011 13:33:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 9
Sample ID: SSTD100
Misc. Info.: 510-0004314-010 =510-0004314-010
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 75445 Lims Sample ID: 10
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:22:15 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:22:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.542	1.547	-0.005	90	221543	90.6	
30 N-Nitrosodimethylamine	74	1.692	1.697	-0.005	96	286764	96.7	
31 Pyridine	79	1.729	1.729	0.0	97	505512	92.9	M
$ 32 2-Fluorophenol	112	2.536	2.541	-0.005	88	501300	87.2	
$ 34 Phenol-d5	99	3.273	3.278	-0.005	0	525724	87.2	
35 Phenol	94	3.289	3.289	0.0	93	500382	85.3	
36 Aniline	93	3.321	3.332	-0.011	25	427583	77.4	
37 Bis(2-chloroethyl)ether	93	3.369	3.369	0.0	93	441947	94.8	M
38 2-Chlorophenol	128	3.417	3.422	-0.005	92	505595	86.4	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	96	634361	104.7	
* 40 1,4-Dichlorobenzene-d4	152	3.599	3.604	-0.005	92	188996	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	94	619762	91.5	
42 Benzyl alcohol	108	3.722	3.722	0.0	82	309785	89.8	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	584365	91.7	
44 2-Methylphenol	108	3.818	3.823	-0.005	95	388342	85.5	
10 2,2'-oxybis(2-chloropropane)	45	3.845	3.850	-0.005	64	375679	92.1	
45 Acetophenone	105	3.962	3.962	0.0	95	498484	84.8	
47 3 & 4 Methylphenol	108	3.962	3.967	-0.005	0	395630	86.0	
46 N-Nitrosodi-n-propylamine	70	3.967	3.967	0.0	74	242656	88.3	
48 Hexachloroethane	117	4.053	4.053	0.0	90	224560	96.1	
$ 49 Nitrobenzene-d5	82	4.101	4.101	0.0	82	417620	95.6	
50 Nitrobenzene	77	4.117	4.117	0.0	81	362659	92.2	
51 Isophorone	82	4.341	4.347	-0.006	92	534084	82.3	
52 2-Nitrophenol	139	4.411	4.411	0.0	83	289352	95.4	
53 2,4-Dimethylphenol	107	4.459	4.459	0.0	88	432355	89.1	
54 Bis(2-chloroethoxy)methane	93	4.550	4.555	-0.005	96	424452	86.8	
5 Benzoic acid	105	4.576	4.587	-0.011	90	357940	105.2	
55 2,4-Dichlorophenol	162	4.641	4.640	0.001	94	382705	95.0	
56 1,2,4-Trichlorobenzene	180	4.721	4.721	0.0	95	440159	93.3	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	472898	87.7	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.769	4.774	-0.005	99	542249	40.0	
58 Naphthalene	128	4.790	4.790	0.0	97	1162752	86.6	
S 3 Methyl Phenols,Total	100				0		171.5	
59 4-Chloroaniline	127	4.849	4.854	-0.005	82	379888	72.8	
60 Hexachlorobutadiene	225	4.913	4.918	-0.005	97	267122	100.0	
61 4-Chloro-3-methylphenol	107	5.324	5.330	-0.006	88	340999	88.0	
62 2-Methylnaphthalene	141	5.463	5.463	0.0	83	738513	88.3	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	97	47984	29.2	
64 2,4,6-Trichlorophenol	196	5.736	5.741	-0.005	87	253966	95.2	
65 2,4,5-Trichlorophenol	196	5.773	5.773	0.0	94	270535	93.0	
$ 66 2-Fluorobiphenyl	172	5.827	5.826	0.001	96	877569	89.5	
116 1,1'-Biphenyl	154	5.928	5.928	0.0	0	942491	90.5	
67 2-Chloronaphthalene	162	5.944	5.944	0.0	96	748561	90.9	
68 2-Nitroaniline	65	6.056	6.056	0.0	95	162329	92.6	
69 Dimethyl phthalate	163	6.291	6.297	-0.006	96	732194	84.5	
70 2,6-Dinitrotoluene	165	6.350	6.355	-0.005	76	206441	89.9	
71 Acenaphthylene	152	6.409	6.414	-0.005	97	1073388	85.9	
72 3-Nitroaniline	138	6.532	6.537	-0.005	91	194180	87.2	
* 73 Acenaphthene-d10	164	6.569	6.574	-0.005	81	283535	40.0	
74 Acenaphthene	153	6.606	6.612	-0.006	90	739330	90.2	
75 2,4-Dinitrophenol	184	6.649	6.654	-0.005	71	132998	96.7	
78 4-Nitrophenol	109	6.729	6.735	-0.006	74	89230	94.5	
76 2,4-Dinitrotoluene	165	6.793	6.799	-0.006	51	234150	84.7	
77 Dibenzofuran	168	6.799	6.799	0.0	94	935630	86.1	
79 Diethyl phthalate	149	7.071	7.077	-0.006	97	649555	82.5	
80 Fluorene	166	7.151	7.157	-0.006	81	770792	85.5	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	87	363333	87.0	
82 4-Nitroaniline	138	7.178	7.189	-0.011	80	177183	83.8	
83 4,6-Dinitro-2-methylphenol	198	7.216	7.221	-0.005	48	144999	108.3	
84 N-Nitrosodiphenylamine	169	7.285	7.290	-0.005	0	620617	92.0	
85 1,2-Diphenylhydrazine	77	7.322	7.328	-0.006	14	511478	96.0	
$ 86 2,4,6-Tribromophenol	141	7.386	7.392	-0.006	65	41398	89.6	
87 4-Bromophenyl phenyl ether	248	7.643	7.643	0.0	53	186830	96.2	
88 Hexachlorobenzene	284	7.680	7.686	-0.006	84	175825	96.4	
89 Pentachlorophenol	266	7.867	7.867	0.0	90	134263	104.1	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	359343	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	892164	92.7	
92 Anthracene	178	8.097	8.102	-0.005	98	897330	91.1	
93 Carbazole	167	8.247	8.246	0.001	75	753426	100.5	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	801048	82.2	
95 Fluoranthene	202	9.037	9.037	0.0	98	836240	85.5	
96 Benzidine	184	9.149	9.149	0.0	96	567693	360.0	
97 Pyrene	202	9.214	9.213	0.001	93	843031	90.3	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	96	508711	86.7	
99 Butyl benzyl phthalate	149	9.716	9.721	-0.005	95	368255	89.8	
100 3,3'-Dichlorobenzidine	252	10.111	10.116	-0.005	97	275569	102.9	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	99	757273	92.9	
* 103 Chrysene-d12	240	10.138	10.143	-0.005	79	256990	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.154	10.159	-0.005	92	414826	85.5	
104 Chrysene	228	10.159	10.164	-0.005	93	731226	92.6	
105 Di-n-octyl phthalate	149	10.635	10.640	-0.005	0	711519	88.1	
106 Benzo[b]fluoranthene	252	10.923	10.928	-0.005	98	675556	96.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.944	10.950	-0.006	93	690953	89.2	
108 Benzo[a]pyrene	252	11.174	11.179	-0.005	96	658599	97.7	
* 109 Perylene-d12	264	11.212	11.217	-0.005	94	196930	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.162	12.168	-0.006	91	653185	103.2	
111 Dibenz(a,h)anthracene	278	12.178	12.184	-0.006	93	526648	100.9	
24 Benzo[g,h,i]perylene	276	12.435	12.445	-0.010	95	559091	100.6	

QC Flag Legend

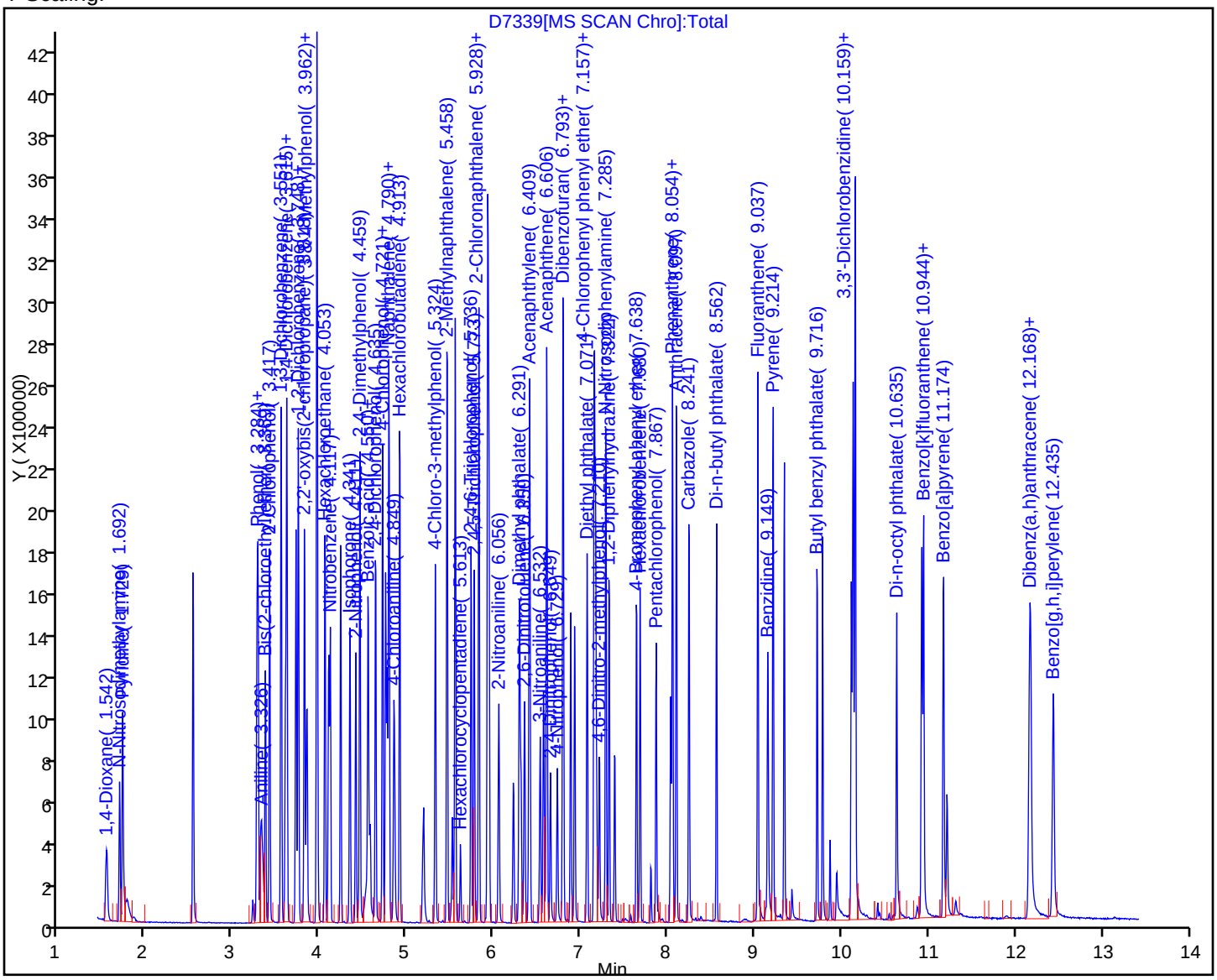
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:22:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7339.D

Injection Date:	03-Feb-2011 13:33:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:22:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

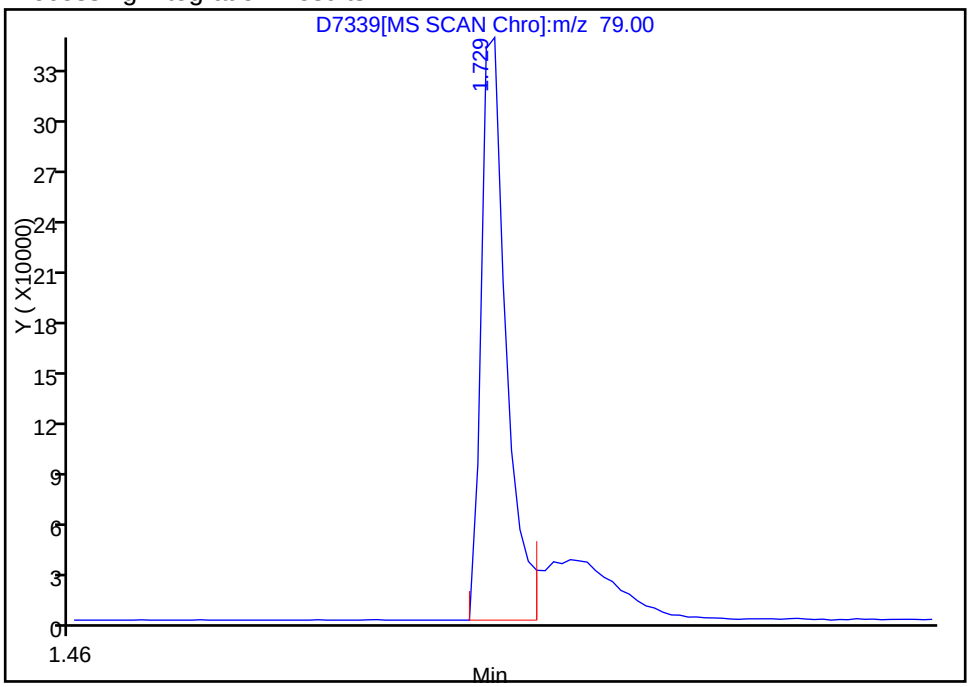
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7339.D		
Injection Date:	03-Feb-2011 13:33:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

31 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 1.73

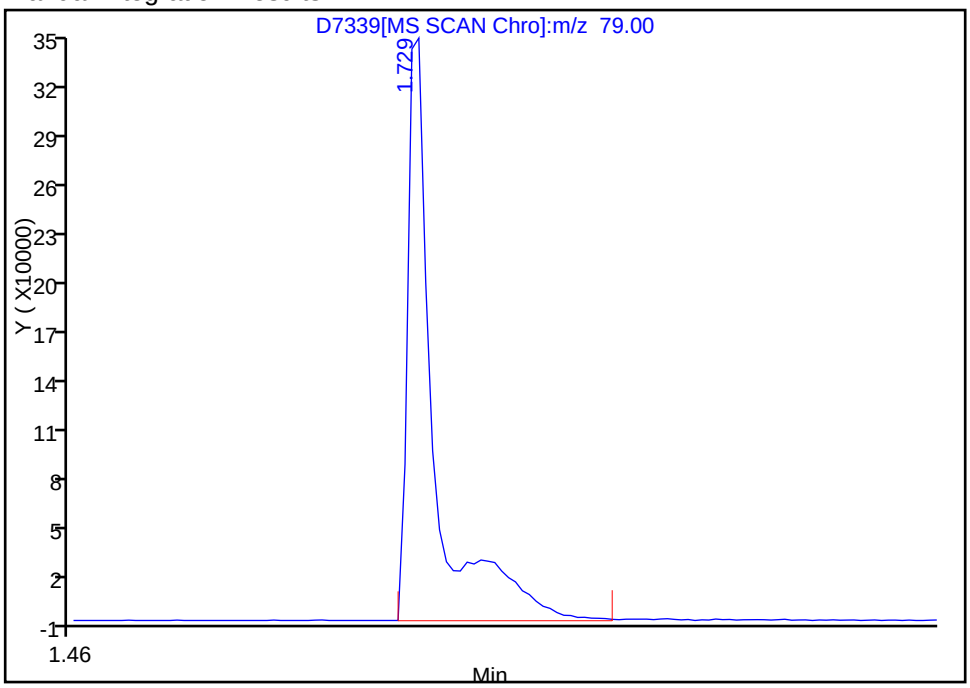
Processing Integration Results

RT: 1.73
Response: 387556
Amount: 74.306781



Manual Integration Results

RT: 1.73
Response: 505512
Amount: 92.948107



Reviewer: squiresb, 03-Feb-2011 14:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:22:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

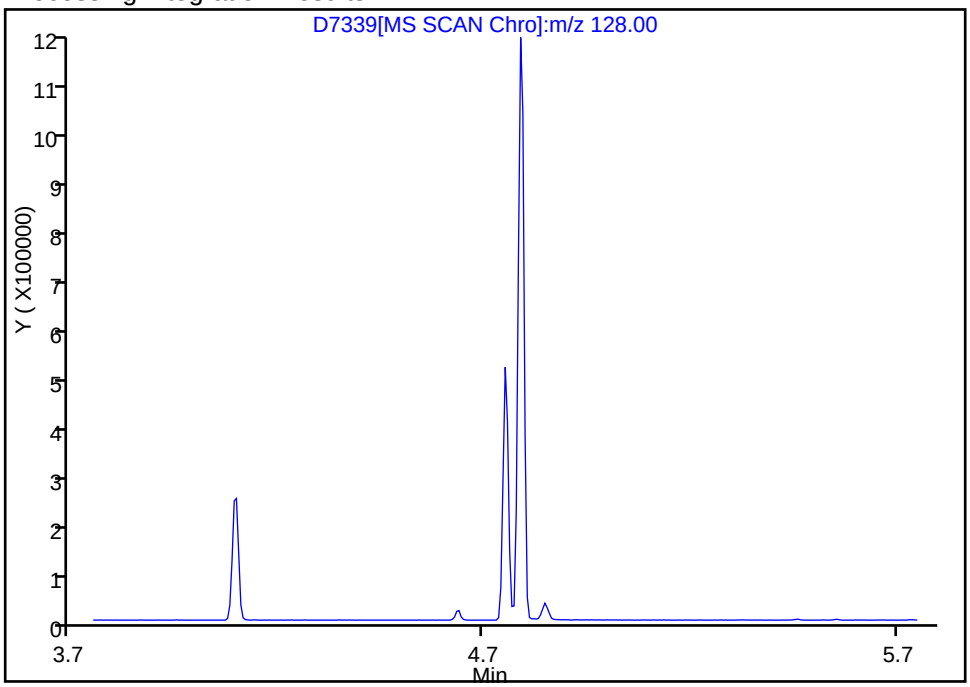
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7339.D		
Injection Date:	03-Feb-2011 13:33:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

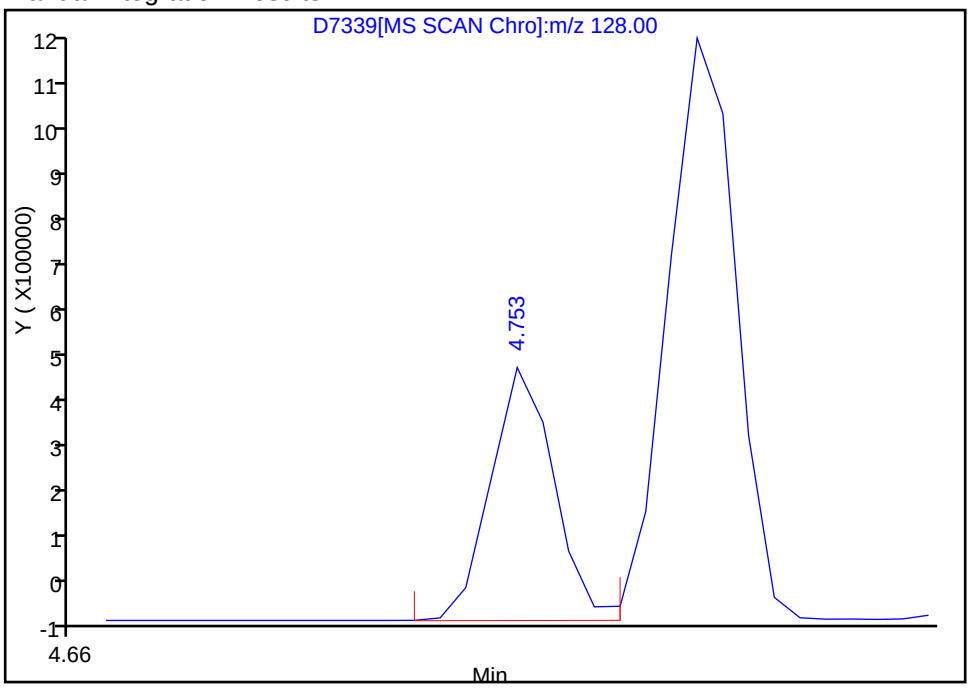
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 472898
Amount: 87.688098



Reviewer: squiresb, 03-Feb-2011 14:10:21
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:22:16 Chrom Revision: 1.2 29-Oct-2010 14:13:24

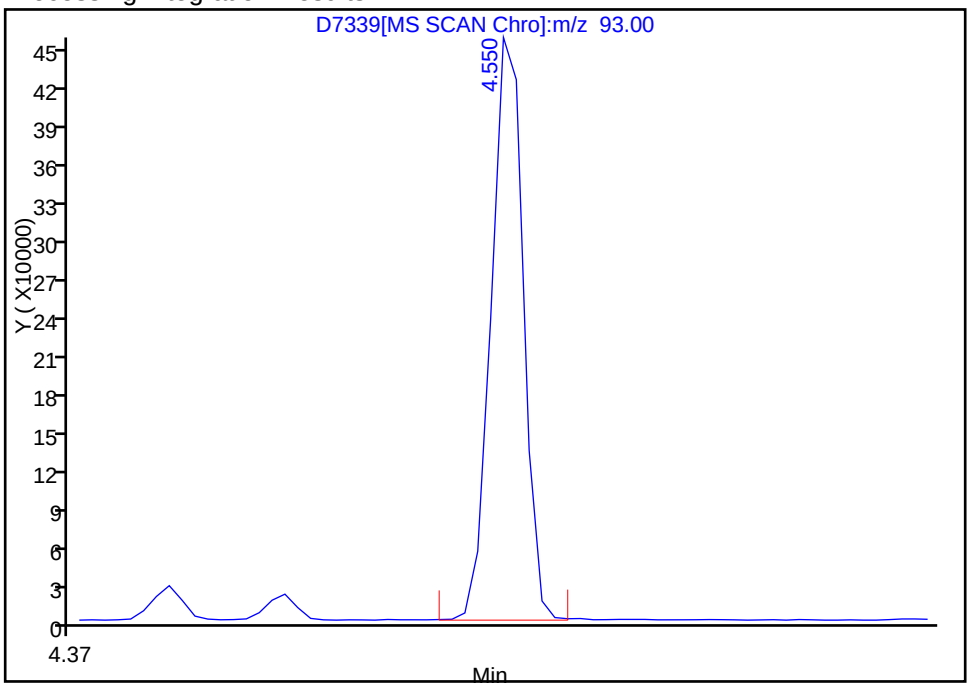
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7339.D		
Injection Date:	03-Feb-2011 13:33:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.37

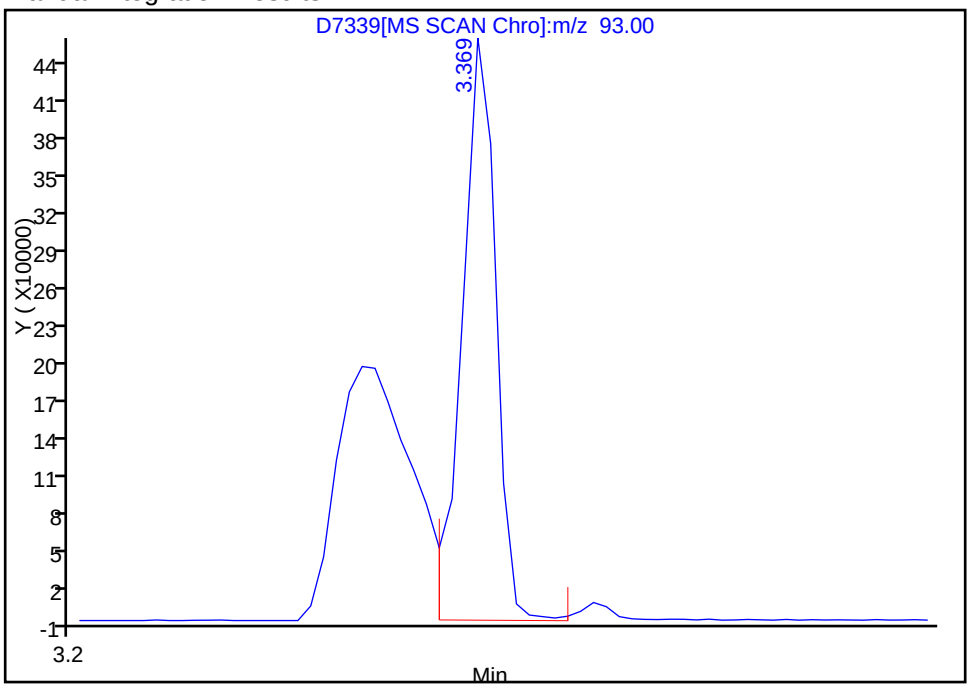
Processing Integration Results

RT: 4.55
Response: 424452
Amount: 91.391224



Manual Integration Results

RT: 3.37
Response: 441947
Amount: 94.801063



Reviewer: squiresb, 04-Feb-2011 15:22:15
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:23:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Lims ID: sstd120 Client ID:
Inject. Date: 03-Feb-2011 13:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 10
Sample ID: SSTD120
Misc. Info.: 510-0004314-011 =510-0004314-011
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 75445 Lims Sample ID: 11
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m
Last Update: 04-Feb-2011 15:23:21 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 04-Feb-2011 15:23:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
9 1,4-Dioxane	88	1.547	1.547	0.0	91	251554	105.1	
30 N-Nitrosodimethylamine	74	1.697	1.697	0.0	97	324841	111.9	
31 Pyridine	79	1.729	1.729	0.0	96	582129	109.3	M
$ 32 2-Fluorophenol	112	2.541	2.541	0.0	86	603789	107.3	
$ 34 Phenol-d5	99	3.278	3.278	0.0	0	656608	111.3	
35 Phenol	94	3.289	3.289	0.0	93	600266	104.6	
36 Aniline	93	3.332	3.332	0.0	25	516197	95.5	M
37 Bis(2-chloroethyl)ether	93	3.374	3.374	0.0	92	599645	129.9	M
38 2-Chlorophenol	128	3.422	3.422	0.0	90	602407	105.2	
39 1,3-Dichlorobenzene	146	3.551	3.551	0.0	96	714007	102.6	
* 40 1,4-Dichlorobenzene-d4	152	3.604	3.604	0.0	91	185015	40.0	
41 1,4-Dichlorobenzene	146	3.615	3.615	0.0	93	700469	105.7	
42 Benzyl alcohol	108	3.722	3.722	0.0	84	383740	113.7	
43 1,2-Dichlorobenzene	146	3.748	3.748	0.0	97	660138	105.8	
44 2-Methylphenol	108	3.823	3.823	0.0	94	485638	109.2	
10 2,2'-oxybis(2-chloropropane)	45	3.850	3.850	0.0	94	451731	113.2	
45 Acetophenone	105	3.962	3.962	0.0	96	603093	104.8	
47 3 & 4 Methylphenol	108	3.967	3.967	0.0	0	493133	109.5	
46 N-Nitrosodi-n-propylamine	70	3.967	3.967	0.0	65	306688	113.9	
48 Hexachloroethane	117	4.053	4.053	0.0	90	256178	112.0	
$ 49 Nitrobenzene-d5	82	4.101	4.101	0.0	83	499484	108.4	
50 Nitrobenzene	77	4.117	4.117	0.0	81	434911	104.8	
51 Isophorone	82	4.347	4.347	0.0	92	680444	99.5	
52 2-Nitrophenol	139	4.411	4.411	0.0	85	359392	112.4	
53 2,4-Dimethylphenol	107	4.459	4.459	0.0	89	545488	106.6	
54 Bis(2-chloroethoxy)methane	93	4.555	4.555	0.0	95	536199	112.0	
5 Benzoic acid	105	4.587	4.587	0.0	89	439455	122.5	
55 2,4-Dichlorophenol	162	4.640	4.640	0.0	94	490140	106.0	
56 1,2,4-Trichlorobenzene	180	4.721	4.721	0.0	96	522966	105.1	
114 4-Chlorophenol	128	4.753	4.753	0.0	0	618999	108.9	M

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 57 Naphthalene-d8	136	4.774	4.774	0.0	99	571763	40.0	
58 Naphthalene	128	4.790	4.790	0.0	96	1366610	96.5	
S 3 Methyl Phenols,Total	100				0		218.7	
59 4-Chloroaniline	127	4.854	4.854	0.0	82	484278	88.0	
60 Hexachlorobutadiene	225	4.918	4.918	0.0	95	313459	111.2	
61 4-Chloro-3-methylphenol	107	5.330	5.330	0.0	87	451370	110.4	
62 2-Methylnaphthalene	141	5.463	5.463	0.0	83	907115	102.9	
63 Hexachlorocyclopentadiene	237	5.613	5.613	0.0	95	50098	26.5	
64 2,4,6-Trichlorophenol	196	5.741	5.741	0.0	86	346110	113.0	
65 2,4,5-Trichlorophenol	196	5.773	5.773	0.0	94	361327	108.2	
$ 66 2-Fluorobiphenyl	172	5.826	5.826	0.0	95	1116219	99.1	
116 1,1'-Biphenyl	154	5.928	5.928	0.0	0	1166697	97.6	
67 2-Chloronaphthalene	162	5.944	5.944	0.0	96	954198	100.8	
68 2-Nitroaniline	65	6.056	6.056	0.0	94	227986	113.2	
69 Dimethyl phthalate	163	6.297	6.297	0.0	97	1039850	104.5	
70 2,6-Dinitrotoluene	165	6.355	6.355	0.0	72	291511	110.6	
71 Acenaphthylene	152	6.414	6.414	0.0	96	1358758	94.7	
72 3-Nitroaniline	138	6.537	6.537	0.0	90	273612	107.0	
* 73 Acenaphthene-d10	164	6.574	6.574	0.0	71	325681	40.0	
74 Acenaphthene	153	6.612	6.612	0.0	89	968017	102.9	
75 2,4-Dinitrophenol	184	6.654	6.654	0.0	77	211400	133.9	
78 4-Nitrophenol	109	6.735	6.735	0.0	75	138419	127.6	
76 2,4-Dinitrotoluene	165	6.799	6.799	0.0	53	362900	114.3	
77 Dibenzofuran	168	6.799	6.799	0.0	93	1213115	97.2	
79 Diethyl phthalate	149	7.077	7.077	0.0	97	965887	106.8	
80 Fluorene	166	7.157	7.157	0.0	80	1042827	100.7	
81 4-Chlorophenyl phenyl ether	204	7.167	7.167	0.0	87	518188	108.0	
82 4-Nitroaniline	138	7.189	7.189	0.0	80	276833	114.0	
83 4,6-Dinitro-2-methylphenol	198	7.221	7.221	0.0	48	231202	129.5	
84 N-Nitrosodiphenylamine	169	7.290	7.290	0.0	0	886441	98.6	
85 1,2-Diphenylhydrazine	77	7.328	7.328	0.0	1	722498	101.7	
$ 86 2,4,6-Tribromophenol	141	7.392	7.392	0.0	67	64376	121.3	
87 4-Bromophenyl phenyl ether	248	7.643	7.643	0.0	53	290028	112.0	
88 Hexachlorobenzene	284	7.686	7.686	0.0	87	264477	108.7	
89 Pentachlorophenol	266	7.867	7.867	0.0	93	220689	128.4	
* 90 Phenanthrene-d10	188	8.033	8.033	0.0	97	479057	40.0	
91 Phenanthrene	178	8.054	8.054	0.0	96	1263903	98.6	
92 Anthracene	178	8.102	8.102	0.0	96	1260866	96.0	
93 Carbazole	167	8.246	8.246	0.0	92	1143783	121.4	
94 Di-n-butyl phthalate	149	8.562	8.562	0.0	98	1291481	99.4	
95 Fluoranthene	202	9.037	9.037	0.0	96	1283366	98.5	
96 Benzidine	184	9.149	9.149	0.0	96	654649	296.8	
97 Pyrene	202	9.213	9.213	0.0	92	1290060	98.8	
$ 98 Terphenyl-d14	244	9.342	9.342	0.0	94	876440	106.8	
99 Butyl benzyl phthalate	149	9.721	9.721	0.0	93	664622	115.9	
100 3,3'-Dichlorobenzidine	252	10.116	10.116	0.0	97	446113	119.1	
101 Benzo[a]anthracene	228	10.132	10.132	0.0	96	1286496	112.8	
* 103 Chrysene-d12	240	10.143	10.143	0.0	94	359436	40.0	
102 Bis(2-ethylhexyl) phthalate	149	10.159	10.159	0.0	90	766229	112.9	
104 Chrysene	228	10.164	10.164	0.0	92	1085971	98.4	
105 Di-n-octyl phthalate	149	10.640	10.640	0.0	0	1278787	111.8	
106 Benzo[b]fluoranthene	252	10.928	10.928	0.0	96	1111583	112.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
107 Benzo[k]fluoranthene	252	10.950	10.950	0.0	86	1080311	98.5	
108 Benzo[a]pyrene	252	11.179	11.179	0.0	94	980852	102.8	
* 109 Perylene-d12	264	11.217	11.217	0.0	94	278780	40.0	
110 Indeno[1,2,3-cd]pyrene	276	12.168	12.168	0.0	91	1066184	119.0	
111 Dibenz(a,h)anthracene	278	12.184	12.184	0.0	89	891250	120.6	
24 Benzo[g,h,i]perylene	276	12.445	12.445	0.0	96	914299	116.2	

QC Flag Legend

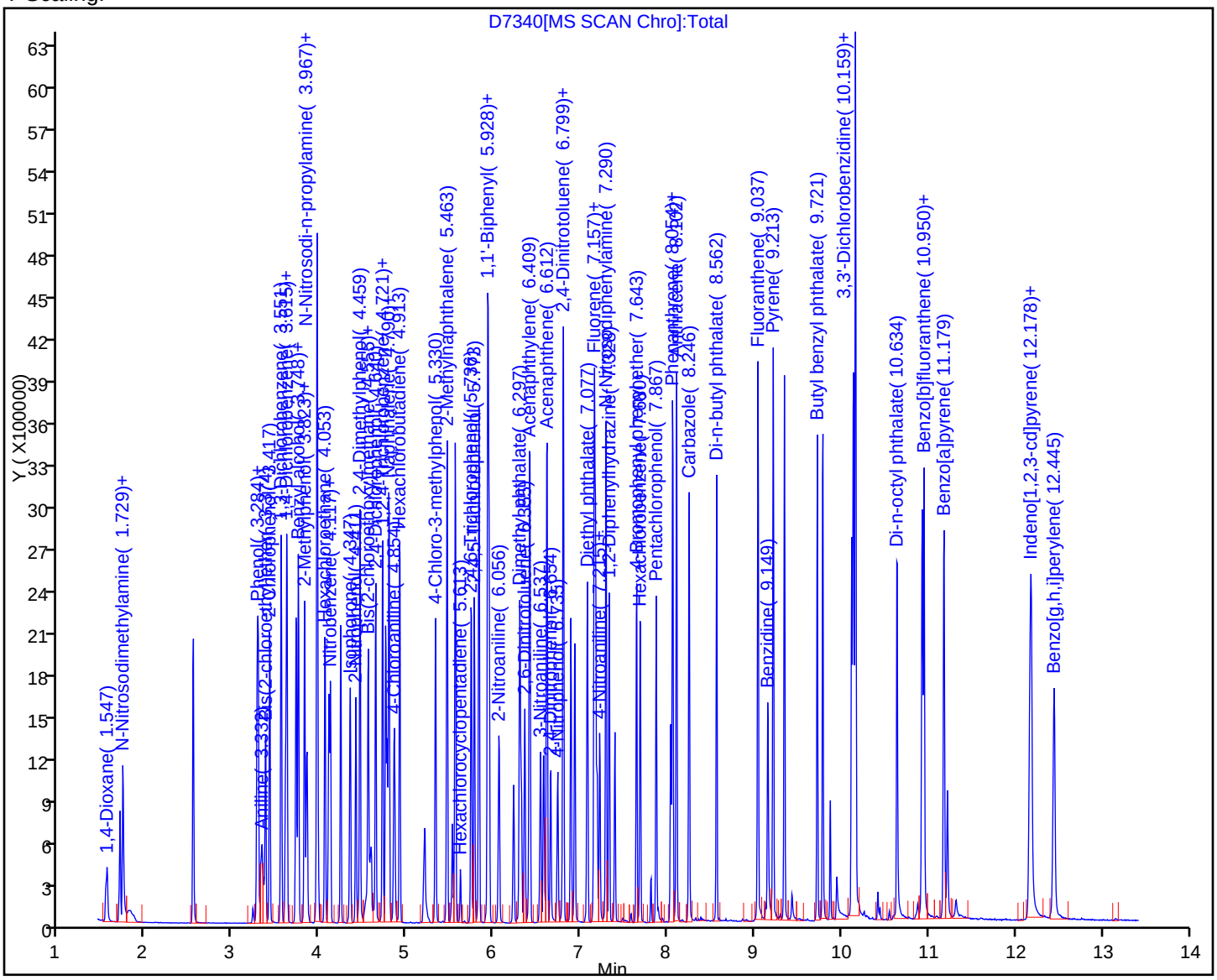
Review Flags
M - Manually Integrated

Report Date: 04-Feb-2011 15:23:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D

Injection Date:	03-Feb-2011 13:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 04-Feb-2011 15:23:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

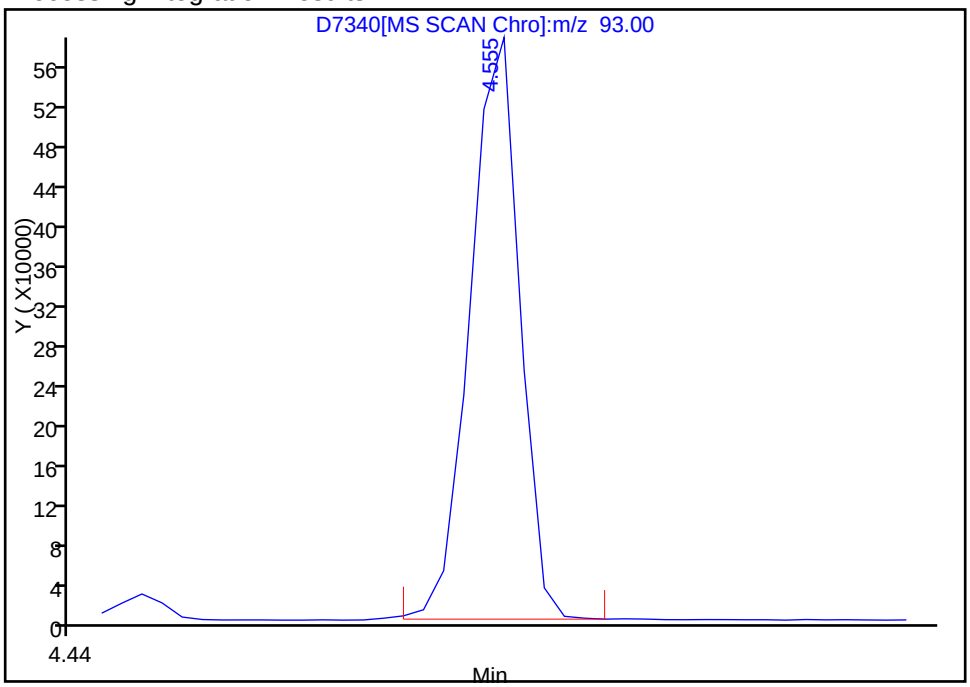
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Injection Date:	03-Feb-2011 13:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

37 Bis(2-chloroethyl)ether, Signal: 1, m/z: 93.0 Type: quant, RT: 3.37

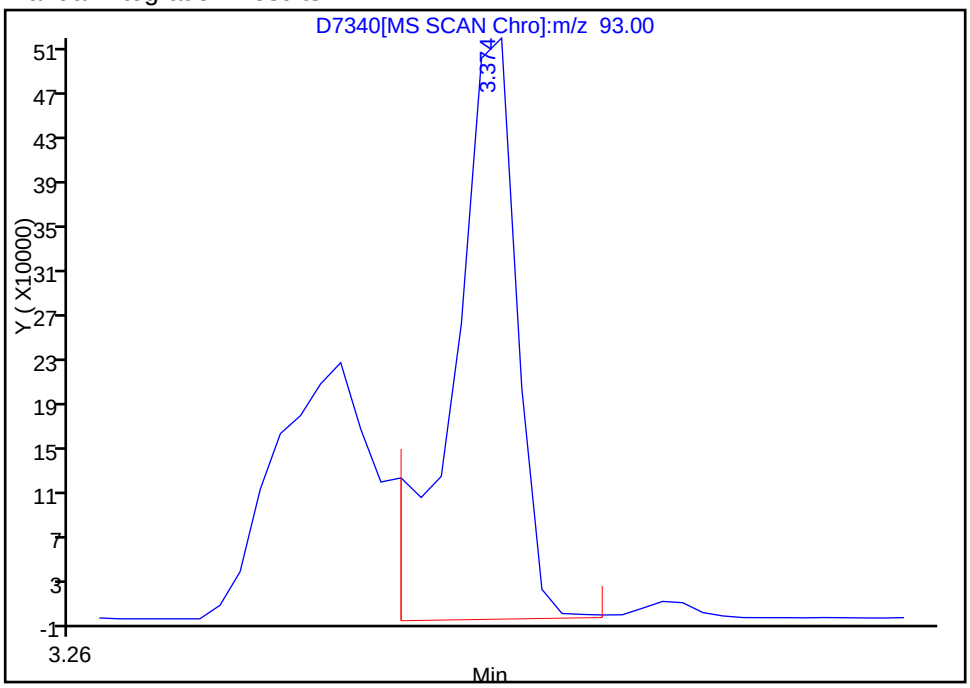
Processing Integration Results

RT: 4.55
Response: 536199
Amount: 117.4937



Manual Integration Results

RT: 3.37
Response: 599645
Amount: 129.8914



Reviewer: squiresb, 04-Feb-2011 15:23:21
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 04-Feb-2011 15:23:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

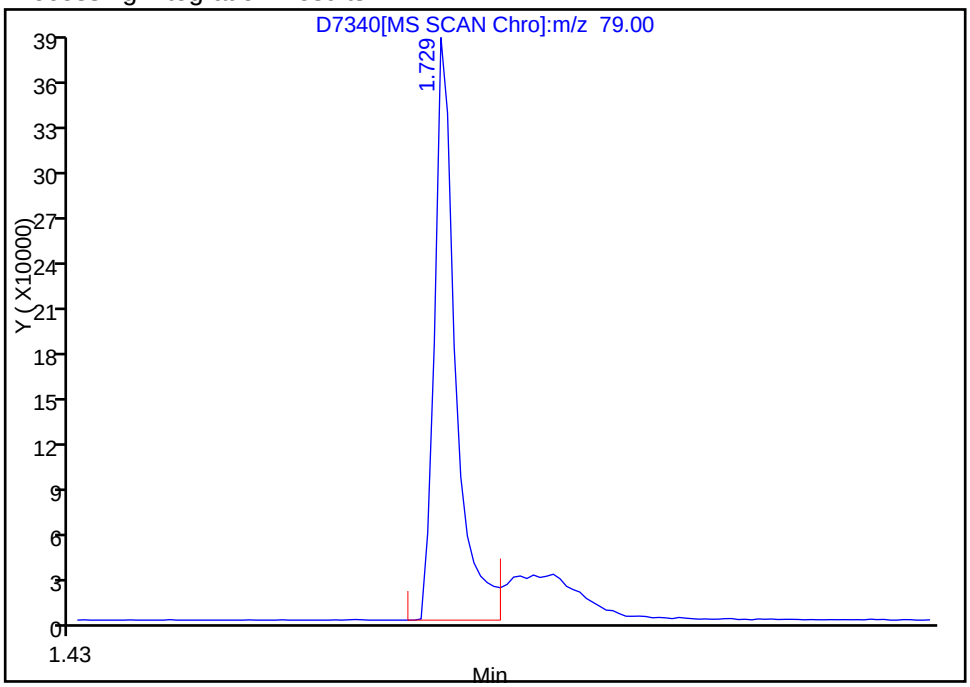
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Injection Date:	03-Feb-2011 13:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

31 Pyridine, Signal: 1, m/z: 79.0 Type: quant, RT: 1.73

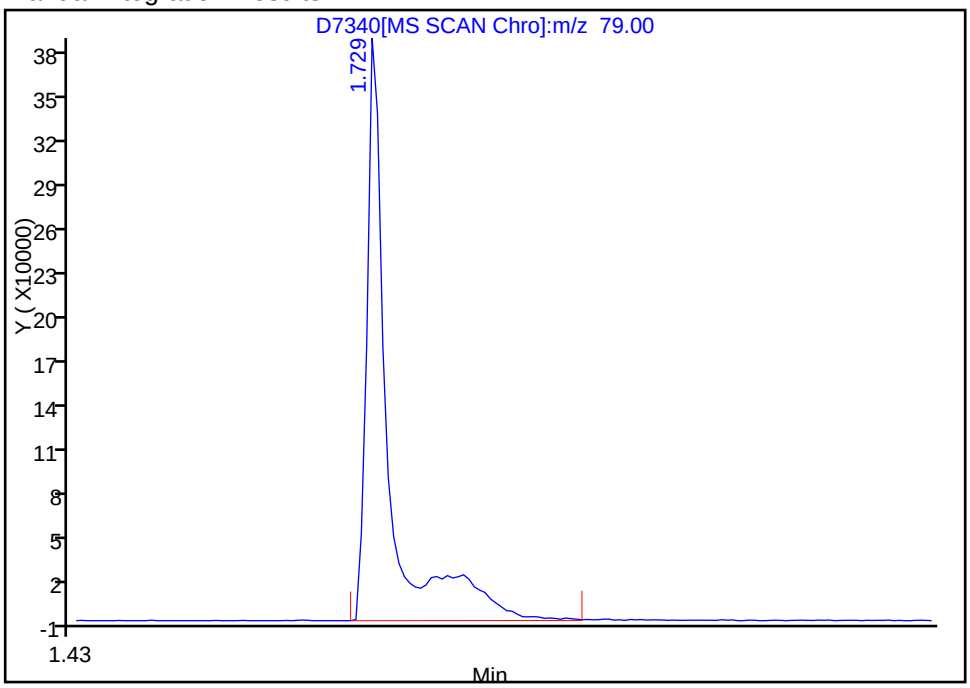
Processing Integration Results

RT: 1.73
Response: 458700
Amount: 87.852849



Manual Integration Results

RT: 1.73
Response: 582129
Amount: 109.3387



Reviewer: squiresb, 03-Feb-2011 14:13:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

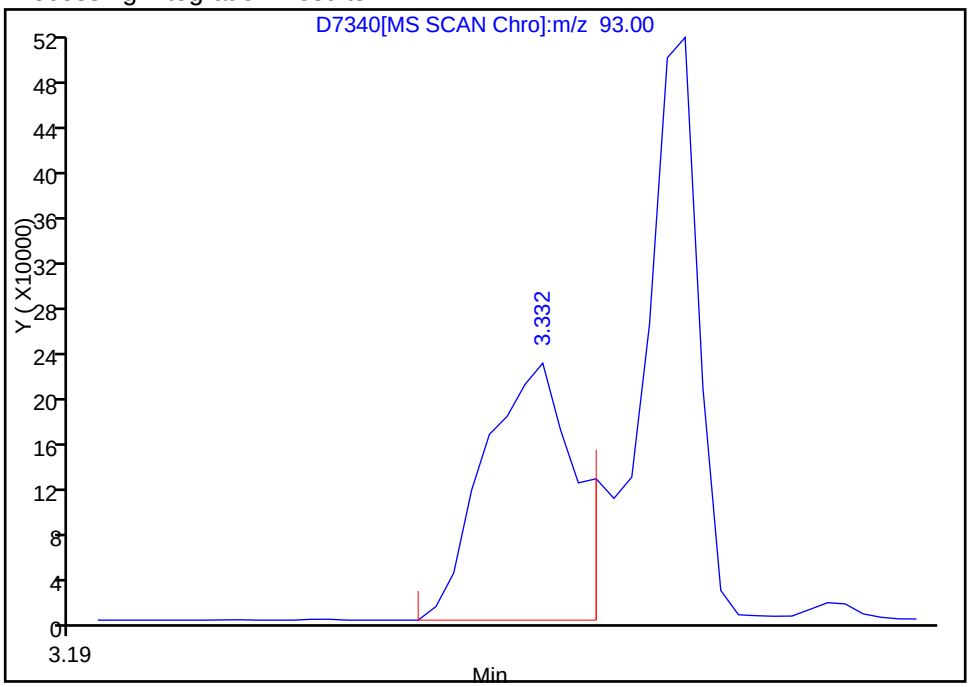
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Injection Date:	03-Feb-2011 13:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 3.33

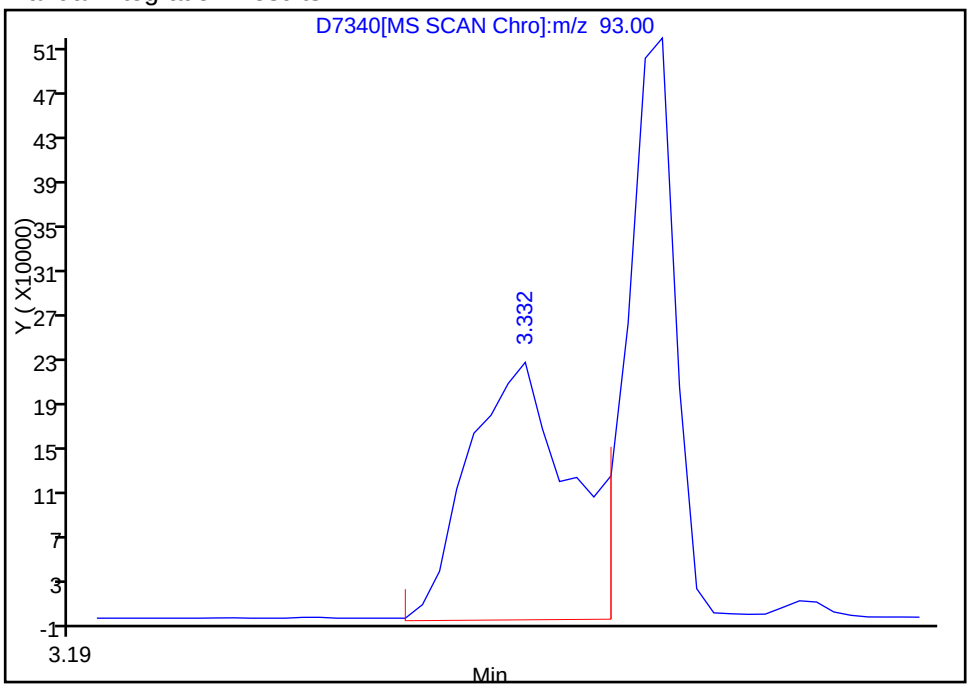
Processing Integration Results

RT: 3.33
Response: 435018
Amount: 80.461002



Manual Integration Results

RT: 3.33
Response: 516197
Amount: 95.475883



Reviewer: squiresb, 03-Feb-2011 14:13:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 04-Feb-2011 15:23:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

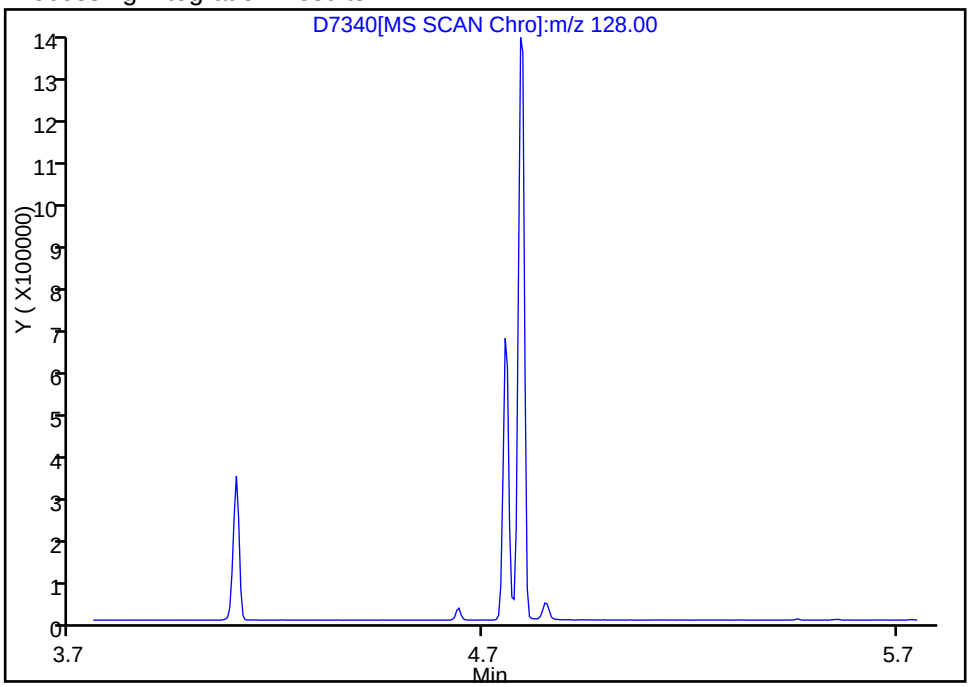
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Injection Date:	03-Feb-2011 13:51:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 4.75

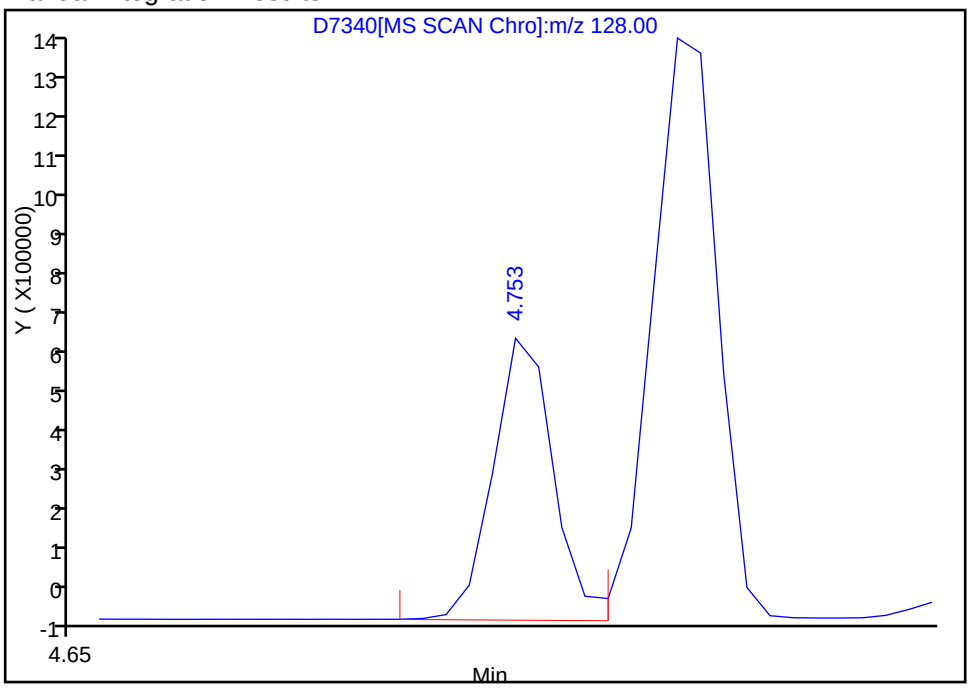
Processing Integration Results

Not Detected
Expected RT: 4.75



Manual Integration Results

RT: 4.75
Response: 618999
Amount: 108.8544



Reviewer: squiresb, 03-Feb-2011 14:13:16
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: SSTD050 510-77240/2 Calibration Date: 03/11/2011 10:07

Instrument ID: SMSA Calib Start Date: 02/03/2011 11:05

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 02/03/2011 13:51

Lab File ID: D7701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5176	0.4276		41.3	50.0	-17.4	40.0
N-Nitrosodimethylamine	Ave	0.6277	0.4322		34.4	50.0	-31.2	40.0
Pyridine	Ave	1.151	0.8495		36.9	50.0	-26.2	40.0
Aniline	Ave	1.169	0.9295		39.8	50.0	-20.5	40.0
Phenol	Ave	1.241	1.096		44.2	50.0	-11.7	20.0
Bis(2-chloroethyl)ether	Ave	0.998	0.8777		42.4	50.0	-12.1	40.0
2-Chlorophenol	Ave	1.239	1.108		44.7	50.0	-10.5	40.0
1,3-Dichlorobenzene	Ave	0.8545	0.8801		51.5	50.0	3.0	40.0
1,4-Dichlorobenzene	Ave	1.434	1.436		50.1	50.0	0.2	20.0
1,2-Dichlorobenzene	Ave	1.350	1.339		49.6	50.0	-0.8	40.0
Benzyl alcohol	Ave	0.7300	0.6638		45.5	50.0	-9.1	40.0
2-Methylphenol	Ave	0.9618	0.8259		42.9	50.0	-14.1	40.0
Bis(2-chloroisopropyl) ether	Ave	0.8633	0.8095		46.9	50.0	-6.2	40.0
Acetophenone	Ave	1.245	1.129		45.3	50.0	-9.3	40.0
N-Nitrosodi-n-propylamine	Ave	0.5820	0.5396	0.0500	46.4	50.0	-7.3	20.0
3 & 4 Methylphenol	Ave	0.9735	0.8361		42.9	50.0	-14.1	40.0
Hexachloroethane	Ave	0.4948	0.5305		53.6	50.0	7.2	40.0
Nitrobenzene	Ave	0.2902	0.2813		48.5	50.0	-3.1	40.0
Isophorone	Ave	0.4785	0.4727		49.4	50.0	-1.2	40.0
2-Nitrophenol	Ave	0.2237	0.2210		49.4	50.0	-1.2	20.0
2,4-Dimethylphenol	Ave	0.3580	0.3429		47.9	50.0	-4.2	40.0
Bis(2-chloroethoxy)methane	Ave	1.035	0.9610		46.4	50.0	-7.2	40.0
2,4-Dichlorophenol	Ave	0.5682	0.5318		46.8	50.0	-6.4	20.0
Benzoic acid	Ave	0.2510	0.2506		<50.0	50.0	-0.2	40.0
1,2,4-Trichlorobenzene	Ave	0.3482	0.3596		51.6	50.0	3.3	40.0
Naphthalene	Ave	0.9903	1.015		51.3	50.0	2.5	40.0
4-Chlorophenol	Ave	0.3978	0.3840		57.9	60.0	-3.5	40.0
p-Chloroaniline	Ave	0.3850	0.3540		46.0	50.0	-8.0	40.0
Hexachloro-1,3-butadiene	Ave	0.1971	0.2151		54.6	50.0	9.1	40.0
4-Chloro-3-methylphenol	Ave	0.2859	0.2889		50.5	50.0	1.0	20.0
2-Methylnaphthalene	Ave	0.6170	0.6234		50.5	50.0	1.0	40.0
Hexachlorocyclopentadiene	Ave	0.2318	0.2904	0.0500	62.6	50.0	25.3*	20.0
2,4,6-Trichlorophenol	Ave	0.3762	0.4028		53.5	50.0	7.1	20.0
2,4,5-Trichlorophenol	Ave	0.4102	0.4175		50.9	50.0	1.8	40.0
2-Chloronaphthalene	Ave	1.162	1.148		49.4	50.0	-1.2	40.0
1,1'-Biphenyl	Ave	1.469	1.449		49.3	50.0	-1.4	40.0
2-Nitroaniline	Ave	0.2474	0.2549		51.5	50.0	3.1	40.0
Dimethyl phthalate	Ave	1.223	1.402		57.3	50.0	14.6	40.0
2,6-Dinitrotoluene	Ave	0.3238	0.3586		55.4	50.0	10.7	40.0
Acenaphthylene	Ave	1.762	1.729		49.1	50.0	-1.9	40.0
3-Nitroaniline	Ave	0.3141	0.3506		55.8	50.0	11.6	40.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: SSTD050 510-77240/2 Calibration Date: 03/11/2011 10:07

Instrument ID: SMSA Calib Start Date: 02/03/2011 11:05

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 02/03/2011 13:51

Lab File ID: D7701.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.156	1.140		49.3	50.0	-1.3	20.0
2,4-Dinitrophenol	Ave	0.1939	0.2386	0.0500	61.5	50.0	23.0*	20.0
Dibenzofuran	Ave	1.533	1.600		52.2	50.0	4.4	40.0
4-Nitrophenol	Ave	0.1332	0.1896	0.0500	71.1	50.0	42.3*	20.0
2,4-Dinitrotoluene	Ave	0.3900	0.4662		59.8	50.0	19.5	40.0
Diethyl phthalate	Ave	1.111	1.420		63.9	50.0	27.9	40.0
Fluorene	Ave	1.272	1.370		53.8	50.0	7.7	40.0
4-Chlorophenyl phenyl ether	Ave	0.5893	0.6600		56.0	50.0	12.0	40.0
4-Nitroaniline	Ave	0.2982	0.3319		55.6	50.0	11.3	40.0
4,6-Dinitro-2-methylphenol	Ave	0.1490	0.1598		53.6	50.0	7.2	40.0
N-Nitrosodiphenylamine	Ave	0.7510	0.6652		44.3	50.0	-11.4	20.0
1,2-Diphenylhydrazine	Ave	0.5932	0.5952		50.2	50.0	0.3	40.0
4-Bromophenyl phenyl ether	Ave	0.2162	0.2081		48.1	50.0	-3.8	40.0
Hexachlorobenzene	Ave	0.2031	0.1866		45.9	50.0	-8.1	40.0
Pentachlorophenol	Ave	0.1435	0.1701		59.3	50.0	18.5	20.0
Phenanthrene	Ave	1.071	1.086		50.7	50.0	1.4	40.0
Anthracene	Ave	1.096	1.104		50.4	50.0	0.7	40.0
Carbazole	Qua		1.024		53.9	50.0	7.8	40.0
Dibutylphthalate	Ave	1.085	1.307		60.2	50.0	20.5	40.0
Fluoranthene	Ave	1.088	1.163		53.4	50.0	6.9	20.0
Benzidine	Ave	0.2454	0.2301		141	150	-6.3	40.0
Pyrene	Ave	1.452	1.490		51.3	50.0	2.6	40.0
Butyl benzyl phthalate	Ave	0.6382	0.7529		59.0	50.0	18.0	40.0
Benzo[a]anthracene	Ave	1.269	1.276		50.3	50.0	0.6	40.0
3,3'-Dichlorobenzidine	Ave	0.4167	0.3538		42.5	50.0	-15.1	40.0
Chrysene	Ave	1.229	1.023		41.6	50.0	-16.7	40.0
Bis(2-ethylhexyl) phthalate	Ave	0.7551	0.9742		64.5	50.0	29.0	40.0
Di-n-octyl phthalate	Ave	1.641	2.479		75.6	50.0	51.1*	20.0
Benzo[b]fluoranthene	Ave	1.419	1.585		55.9	50.0	11.7	40.0
Benzo[k]fluoranthene	Ave	1.574	1.732		55.0	50.0	10.0	40.0
Benzo[a]pyrene	Ave	1.369	1.432		52.3	50.0	4.6	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.286	1.182		46.0	50.0	-8.0	40.0
Dibenz(a,h)anthracene	Ave	1.060	0.9602		45.3	50.0	-9.4	40.0
Benzo[g,h,i]perylene	Ave	1.129	0.9916		43.9	50.0	-12.2	40.0
2-Fluorophenol	Ave	1.216	1.045		43.0	50.0	-14.1	
Phenol-d5	Ave	1.276	1.045		40.9	50.0	-18.1	
Nitrobenzene-d5	Ave	0.3222	0.3214		49.9	50.0	-0.3	
2-Fluorobiphenyl	Ave	1.383	1.395		50.4	50.0	0.8	
2,4,6-Tribromophenol	Ave	0.0652	0.0838		64.2	50.0	28.5	40.0
Terphenyl-d14	Ave	0.9129	1.035		56.7	50.0	13.4	

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D
Lims ID: sstd050 Client ID:
Inject. Date: 11-Mar-2011 10:07:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: SSTD050
Misc. Info.: 510-0004516-002 =510-0004516-002
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 2
Lims Batch ID: 77240 Lims Sample ID: 2
Sublist: chrom-8270C_SMSA*sub25
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m
Last Update: 14-Mar-2011 14:50:36 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 14-Mar-2011 14:50:36

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
30 N-Nitrosodimethylamine	74	0.861	0.861	0.0	89	80537	34.4	
31 Pyridine	79	0.877	0.877	0.0	96	158303	36.9	
$ 32 2-Fluorophenol	112	1.641	1.641	0.0	85	194762	43.0	
36 Aniline	93	2.378	2.378	0.0	0	173218	39.8	M
$ 34 Phenol-d5	99	2.384	2.384	0.0	0	194705	40.9	
35 Phenol	94	2.394	2.394	0.0	93	204285	44.2	
37 Bis(2-chloroethyl)ether	93	2.453	2.453	0.0	94	163553	42.4	
38 2-Chlorophenol	128	2.469	2.469	0.0	91	206473	44.7	
39 1,3-Dichlorobenzene	146	2.592	2.592	0.0	97	270580	51.5	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	92	149082	40.0	s
41 1,4-Dichlorobenzene	146	2.661	2.661	0.0	95	267627	50.1	
43 1,2-Dichlorobenzene	146	2.779	2.779	0.0	98	249511	49.6	
42 Benzyl alcohol	108	2.790	2.790	0.0	82	123697	45.5	
44 2-Methylphenol	108	2.907	2.907	0.0	95	153909	42.9	
45 Acetophenone	105	3.009	3.009	0.0	95	210325	45.3	M
46 N-Nitrosodi-n-propylamine	70	3.035	3.035	0.0	96	100564	46.4	
47 3 & 4 Methylphenol	108	3.057	3.057	0.0	0	155812	42.9	
48 Hexachloroethane	117	3.073	3.073	0.0	92	98858	53.6	
$ 49 Nitrobenzene-d5	82	3.132	3.132	0.0	83	167443	49.9	
50 Nitrobenzene	77	3.148	3.148	0.0	82	146529	48.5	
51 Isophorone	82	3.383	3.383	0.0	93	246240	49.4	
52 2-Nitrophenol	139	3.436	3.436	0.0	83	115117	49.4	
53 2,4-Dimethylphenol	107	3.527	3.527	0.0	91	178607	47.9	
54 Bis(2-chloroethoxy)methane	93	3.618	3.618	0.0	96	179092	46.4	
55 2,4-Dichlorophenol	162	3.666	3.666	0.0	94	163510	46.8	
5 Benzoic acid	105	3.666	3.666	0.0	32	130518	49.9	
56 1,2,4-Trichlorobenzene	180	3.730	3.730	0.0	94	187308	51.6	
* 57 Naphthalene-d8	136	3.773	3.773	0.0	99	416744	40.0	s
58 Naphthalene	128	3.789	3.789	0.0	98	528762	51.3	
59 4-Chloroaniline	127	3.874	3.874	0.0	83	184429	46.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
60 Hexachlorobutadiene	225	3.938	3.938	0.0	93	112036	54.6	
61 4-Chloro-3-methylphenol	107	4.376	4.376	0.0	87	150500	50.5	
62 2-Methylnaphthalene	141	4.446	4.376	0.070	56	324736	50.5	M
63 Hexachlorocyclopentadiene	237	4.606	4.606	0.0	96	89276	62.6	5
64 2,4,6-Trichlorophenol	196	4.734	4.734	0.0	88	123827	53.5	
65 2,4,5-Trichlorophenol	196	4.766	4.766	0.0	93	128344	50.9	M
S 3 Methyl Phenols,Total	100				0		85.9	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	99	428750	50.4	
67 2-Chloronaphthalene	162	4.900	4.900	0.0	98	352996	49.4	
116 1,1'-Biphenyl	154	4.905	4.905	0.0	0	445398	49.3	M
68 2-Nitroaniline	65	5.023	5.023	0.0	93	78369	51.5	
69 Dimethyl phthalate	163	5.252	5.252	0.0	96	430913	57.3	M
71 Acenaphthylene	152	5.284	5.284	0.0	96	531674	49.1	
70 2,6-Dinitrotoluene	165	5.284	5.284	0.0	50	110246	55.4	
72 3-Nitroaniline	138	5.423	5.423	0.0	54	107804	55.8	
* 73 Acenaphthene-d10	164	5.423	5.423	0.0	93	245956	40.0	s
74 Acenaphthene	153	5.455	5.455	0.0	90	350615	49.3	
75 2,4-Dinitrophenol	184	5.530	5.530	0.0	84	73365	61.5	
77 Dibenzofuran	168	5.626	5.626	0.0	94	492042	52.2	
78 4-Nitrophenol	109	5.637	5.637	0.0	0	58281	71.1	M
76 2,4-Dinitrotoluene	165	5.658	5.658	0.0	91	143332	59.8	
79 Diethyl phthalate	149	5.942	5.942	0.0	98	436617	63.9	
80 Fluorene	166	5.952	5.952	0.0	82	421084	53.8	
81 4-Chlorophenyl phenyl ether	204	5.995	5.995	0.0	74	202920	56.0	
82 4-Nitroaniline	138	6.006	6.006	0.0	80	102040	55.6	
83 4,6-Dinitro-2-methylphenol	198	6.043	6.043	0.0	73	88279	53.6	
84 N-Nitrosodiphenylamine	169	6.123	6.123	0.0	0	367537	44.3	
85 1,2-Diphenylhydrazine	77	6.155	6.155	0.0	11	328893	50.2	M
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	25758	64.2	M
87 4-Bromophenyl phenyl ether	248	6.551	6.551	0.0	54	114971	48.1	
88 Hexachlorobenzene	284	6.561	6.561	0.0	81	103115	45.9	
89 Pentachlorophenol	266	6.812	6.812	0.0	93	94003	59.3	
* 90 Phenanthrene-d10	188	6.994	6.994	0.0	97	442042	40.0	s
91 Phenanthrene	178	7.015	7.015	0.0	96	600203	50.7	M
92 Anthracene	178	7.069	7.069	0.0	98	610086	50.4	M
93 Carbazole	167	7.261	7.261	0.0	94	565748	53.9	M
94 Di-n-butyl phthalate	149	7.694	7.694	0.0	98	722298	60.2	
95 Fluoranthene	202	8.094	8.094	0.0	98	642669	53.4	
96 Benzidine	184	8.255	8.255	0.0	96	302613	140.6	M
97 Pyrene	202	8.271	8.271	0.0	93	653212	51.3	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	99	453882	56.7	
99 Butyl benzyl phthalate	149	8.869	8.869	0.0	93	330103	59.0	
101 Benzo[a]anthracene	228	9.195	9.195	0.0	100	559559	50.3	
* 103 Chrysene-d12	240	9.200	9.200	0.0	96	350736	40.0	sM
100 3,3'-Dichlorobenzidine	252	9.211	9.211	0.0	94	155125	42.5	
104 Chrysene	228	9.216	9.216	0.0	97	448442	41.6	
102 Bis(2-ethylhexyl) phthalate	149	9.323	9.323	0.0	91	427103	64.5	
105 Di-n-octyl phthalate	149	9.772	9.772	0.0	0	647765	75.6	
106 Benzo[b]fluoranthene	252	9.927	9.927	0.0	98	414120	55.9	
107 Benzo[k]fluoranthene	252	9.948	9.948	0.0	96	452464	55.0	M
108 Benzo[a]pyrene	252	10.130	10.130	0.0	95	374058	52.3	M
* 109 Perylene-d12	264	10.167	10.167	0.0	94	209008	40.0	sM

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
110 Indeno[1,2,3-cd]pyrene	276	10.808	10.808	0.0	96	308906	46.0	
111 Dibenz(a,h)anthracene	278	10.824	10.824	0.0	96	250871	45.3	
24 Benzo[g,h,i]perylene	276	10.953	10.953	0.0	98	259054	43.9	
9 1,4-Dioxane	88	0.749	0.749	0.0	0	79691	41.3	M
10 2,2'-oxybis(2-chloropropane)	45	2.923	2.923	0.0	0	150851	46.9	M
114 4-Chlorophenol	128	3.831	3.831	0.0	0	240014	57.9	M

QC Flag Legend

Processing Flags
5 - Exceeded Maximum Amount
s - Failed ISTD Recovery Test

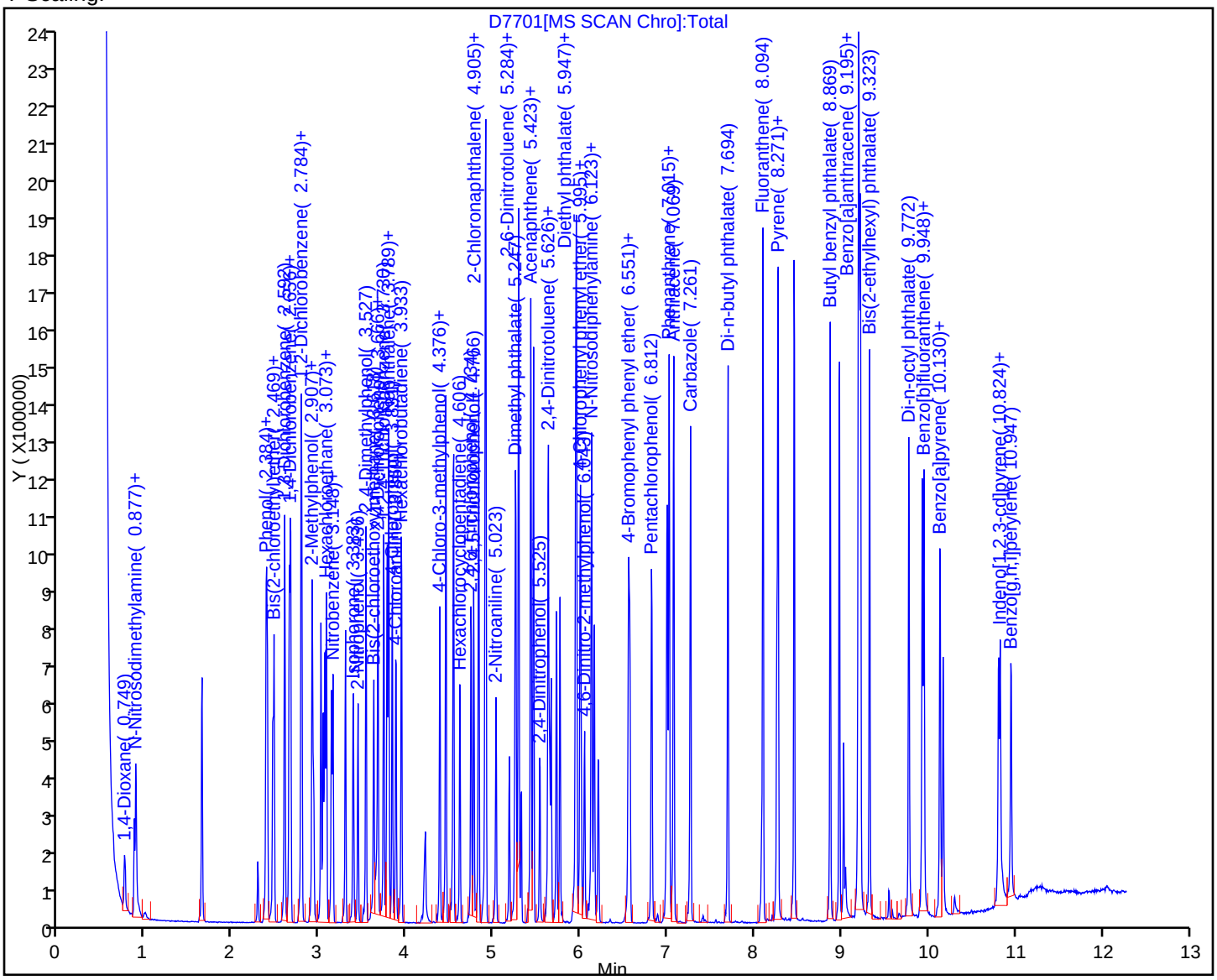
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D

Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

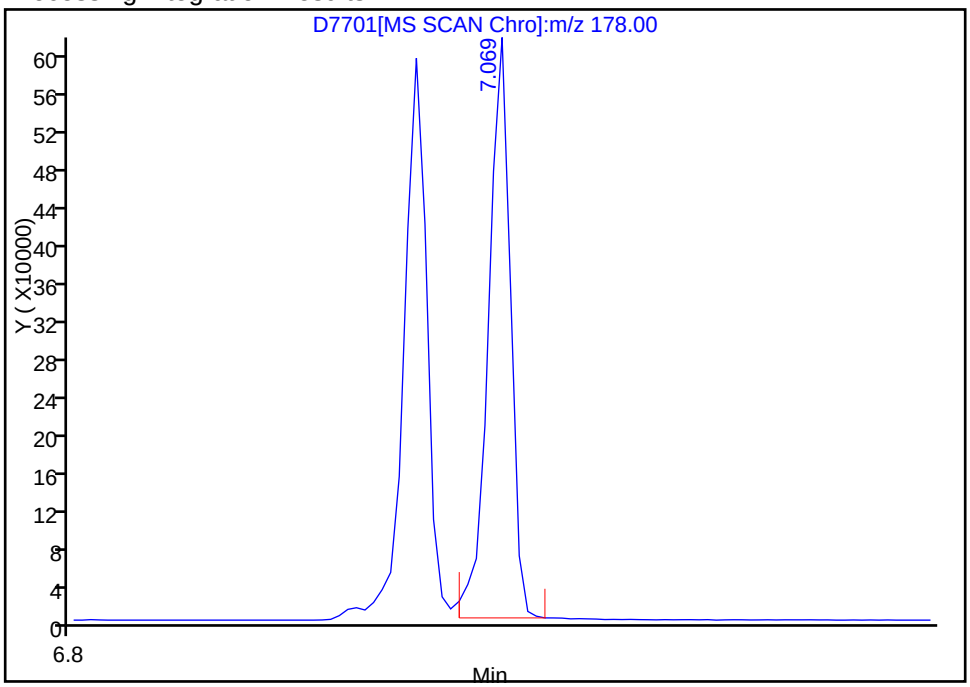
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 7.07

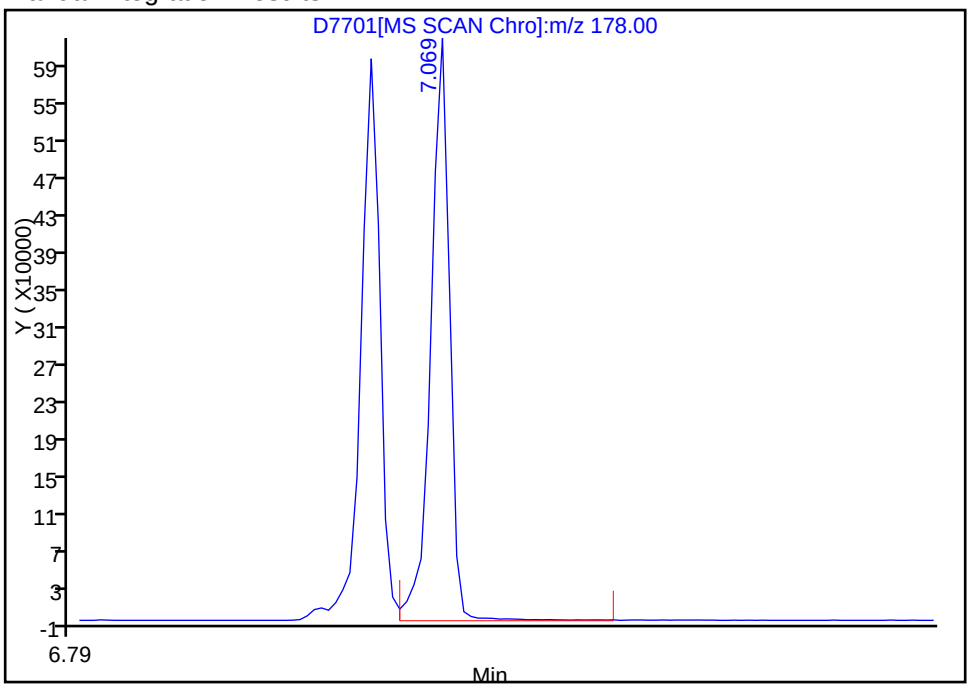
Processing Integration Results

RT: 7.07
Response: 588569
Amount: 48.586736



Manual Integration Results

RT: 7.07
Response: 610086
Amount: 50.362978



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

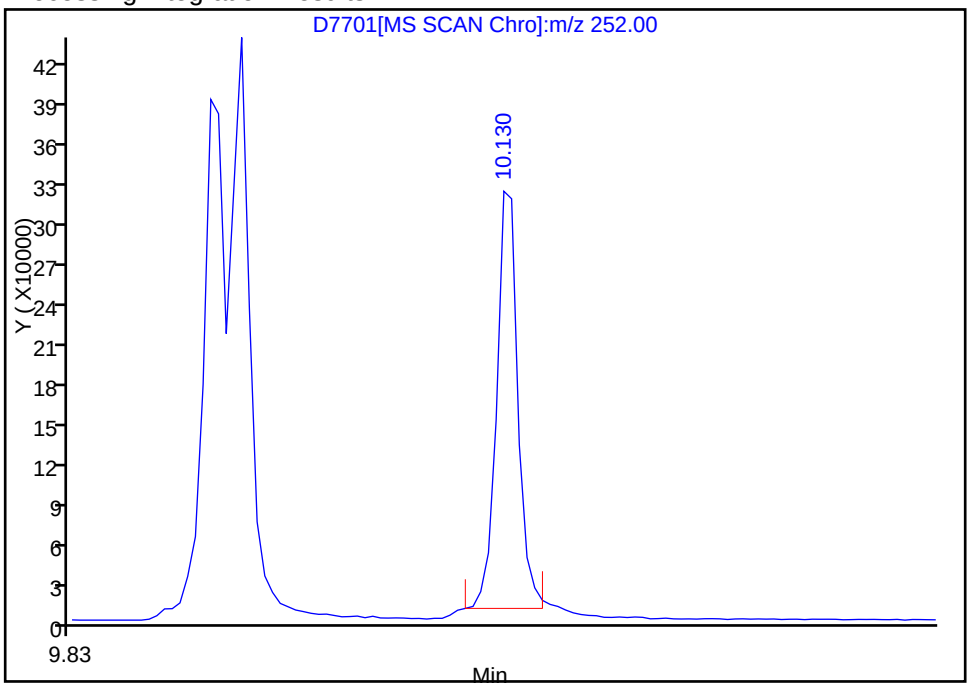
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	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: 10.13

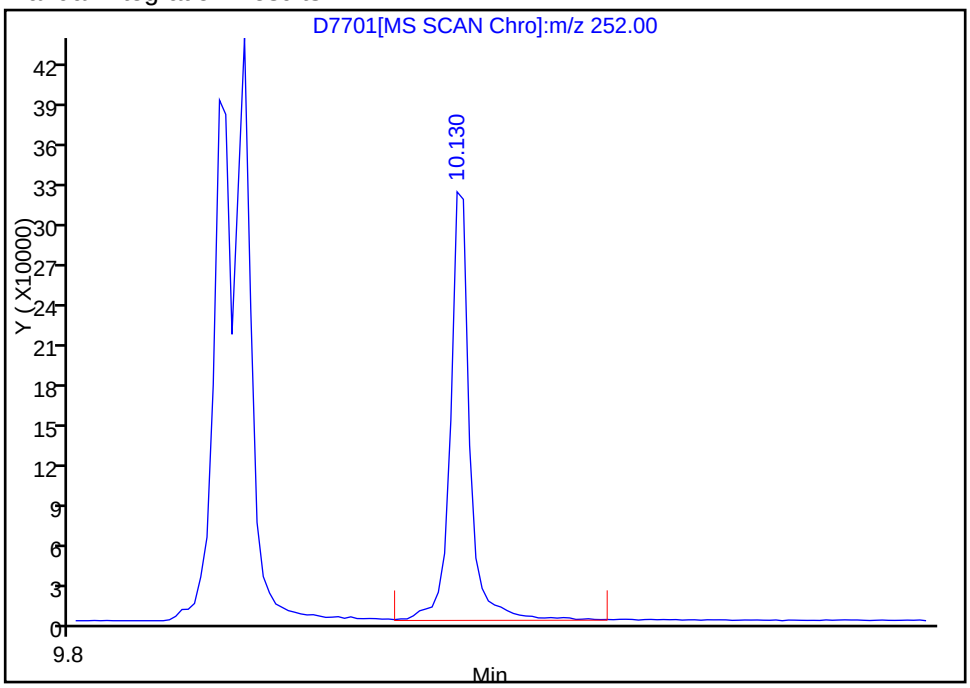
Processing Integration Results

RT: 10.13
Response: 320645
Amount: 52.264663



Manual Integration Results

RT: 10.13
Response: 374058
Amount: 52.282445



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

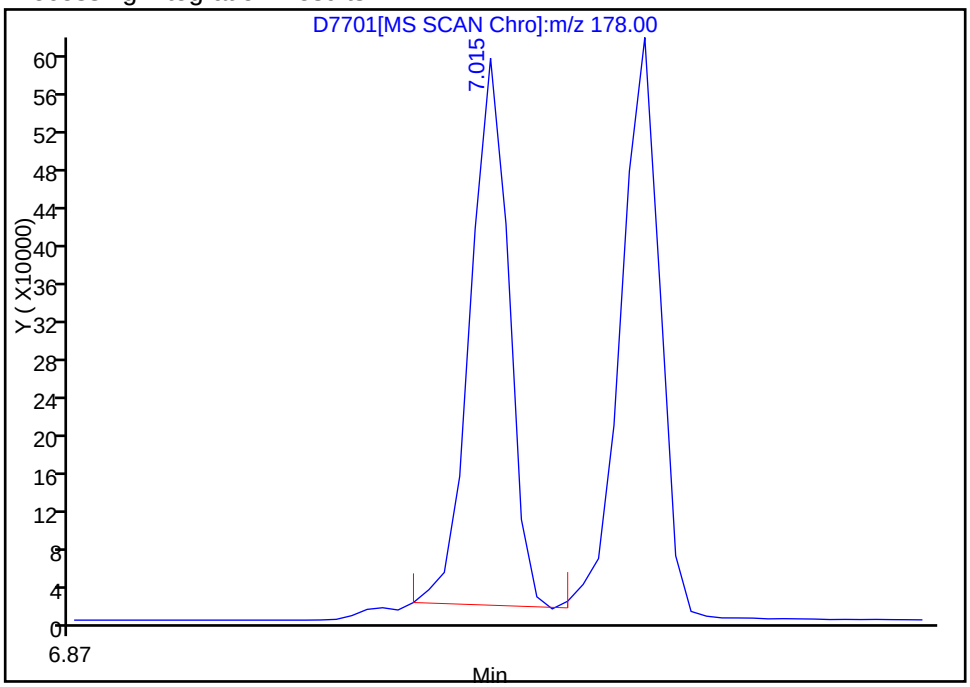
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

91 Phenanthrene, Signal: 1, m/z: 178.0 Type: quant, RT: 7.02

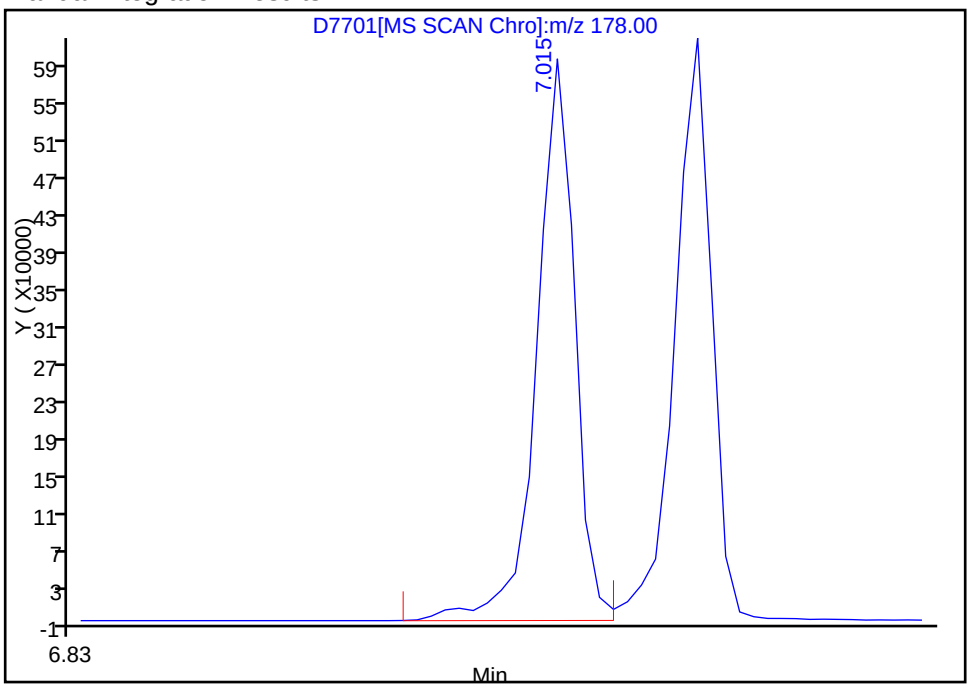
Processing Integration Results

RT: 7.02
Response: 537906
Amount: 45.455605



Manual Integration Results

RT: 7.02
Response: 600203
Amount: 50.719996



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

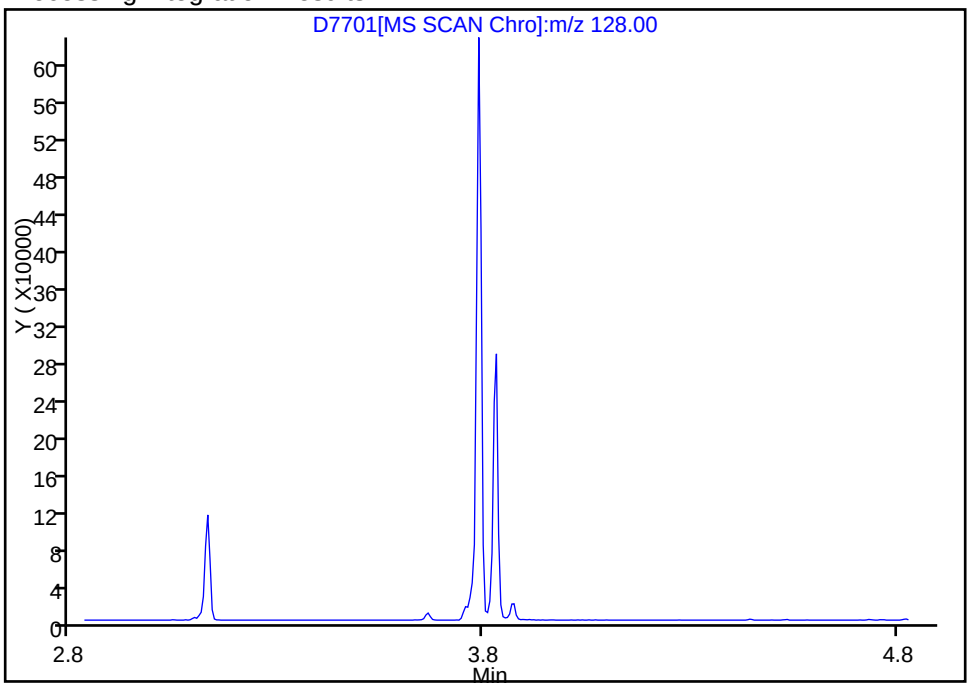
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

114 4-Chlorophenol, Signal: 1, m/z: 128.0 Type: quant, RT: 3.83

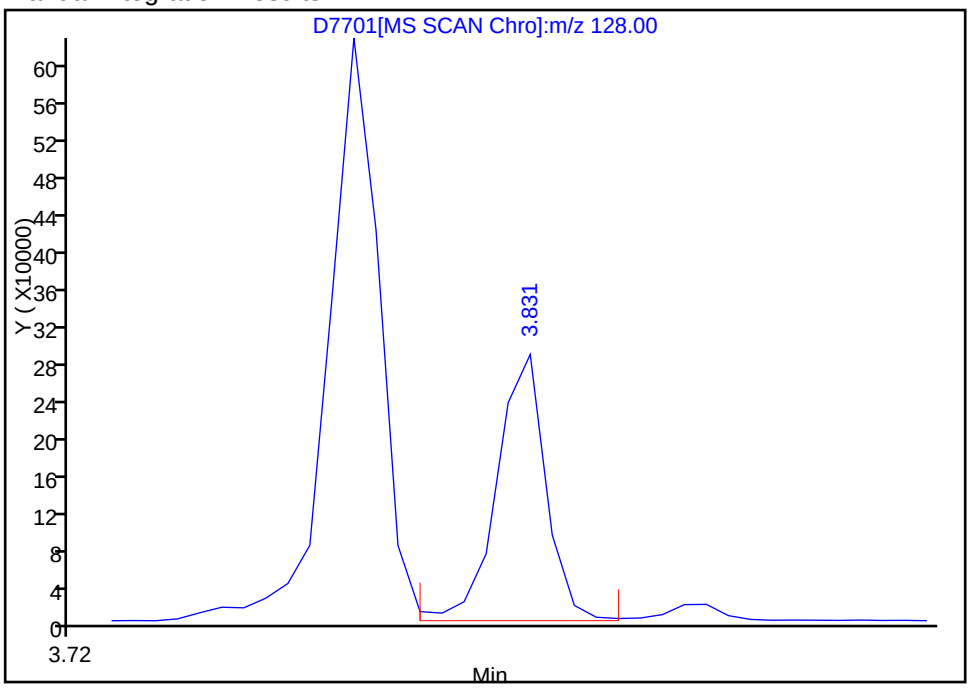
Processing Integration Results

Not Detected
Expected RT: 3.83



Manual Integration Results

RT: 3.83
Response: 240014
Amount: 57.908078



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

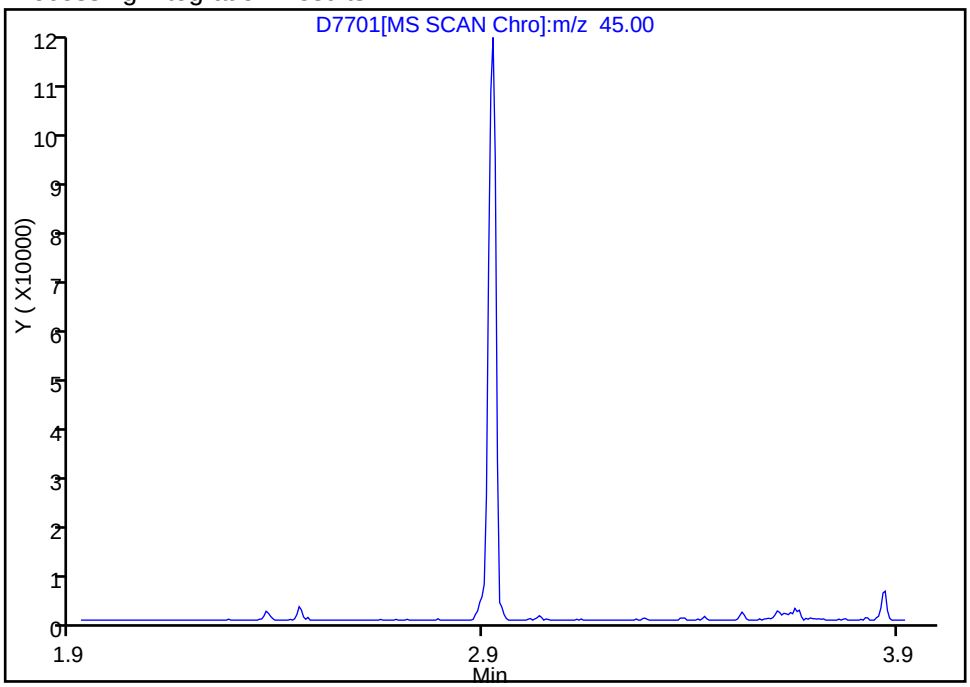
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 2.92

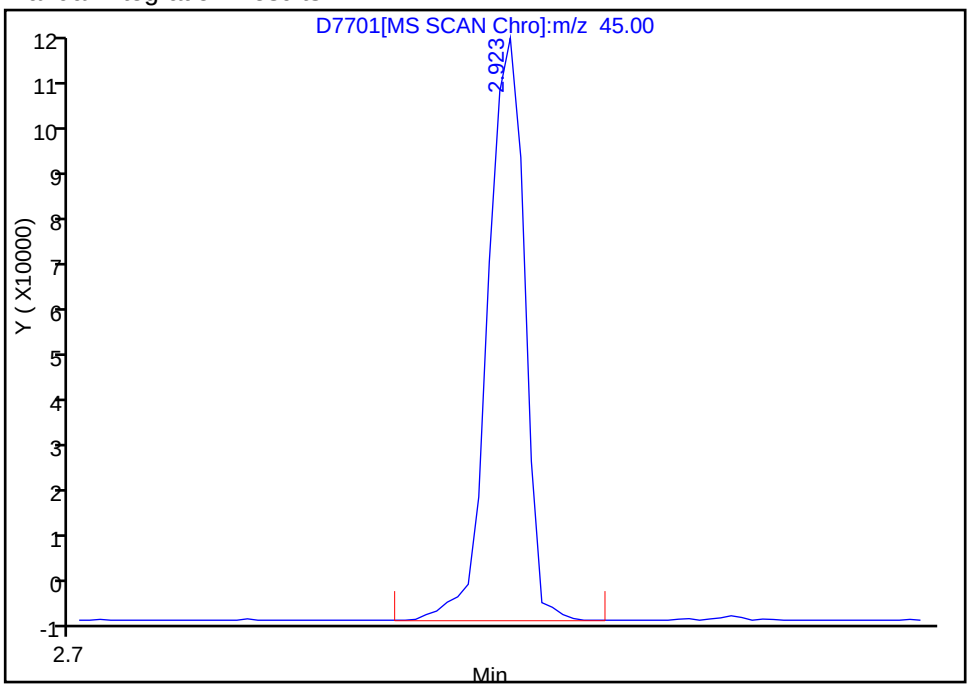
Processing Integration Results

Not Detected
Expected RT: 2.92



Manual Integration Results

RT: 2.92
Response: 150851
Amount: 46.882953



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

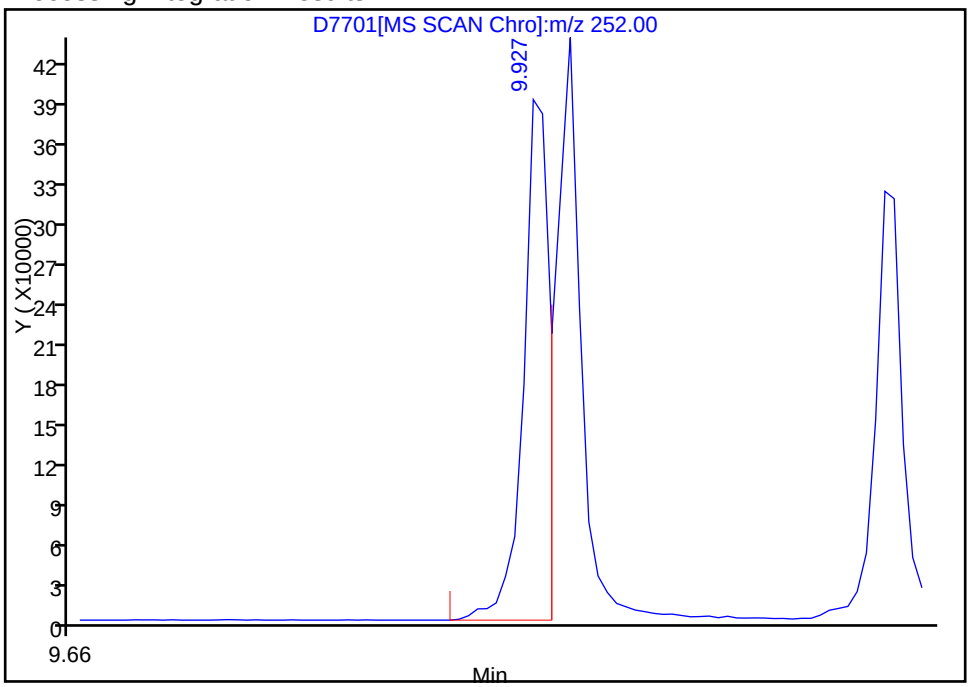
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	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: 9.95

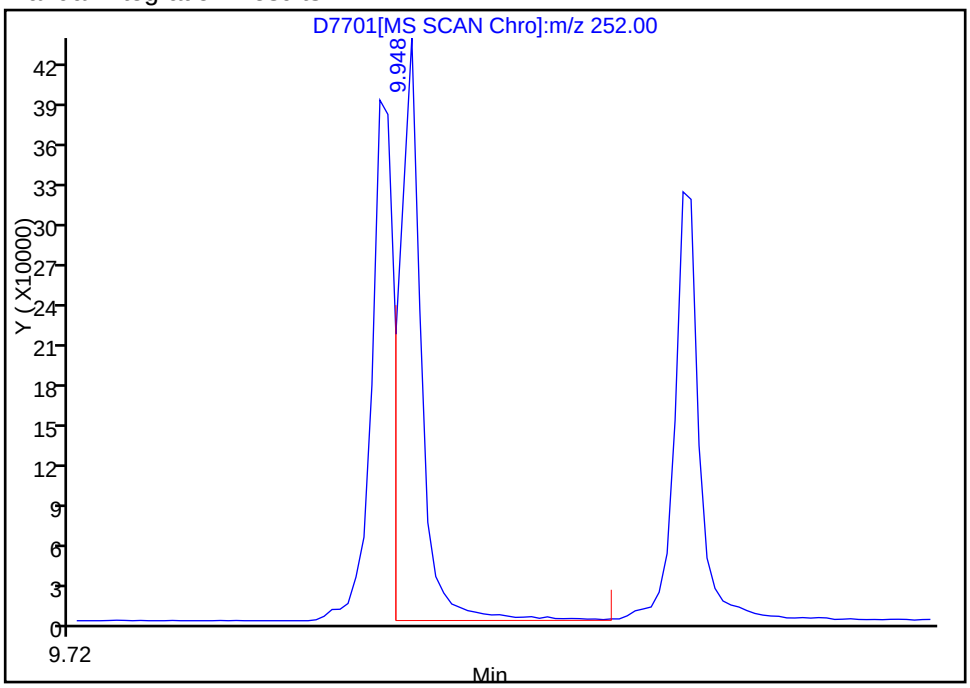
Processing Integration Results

RT: 9.93
Response: 414120
Amount: 58.720388



Manual Integration Results

RT: 9.95
Response: 452464
Amount: 55.014858



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

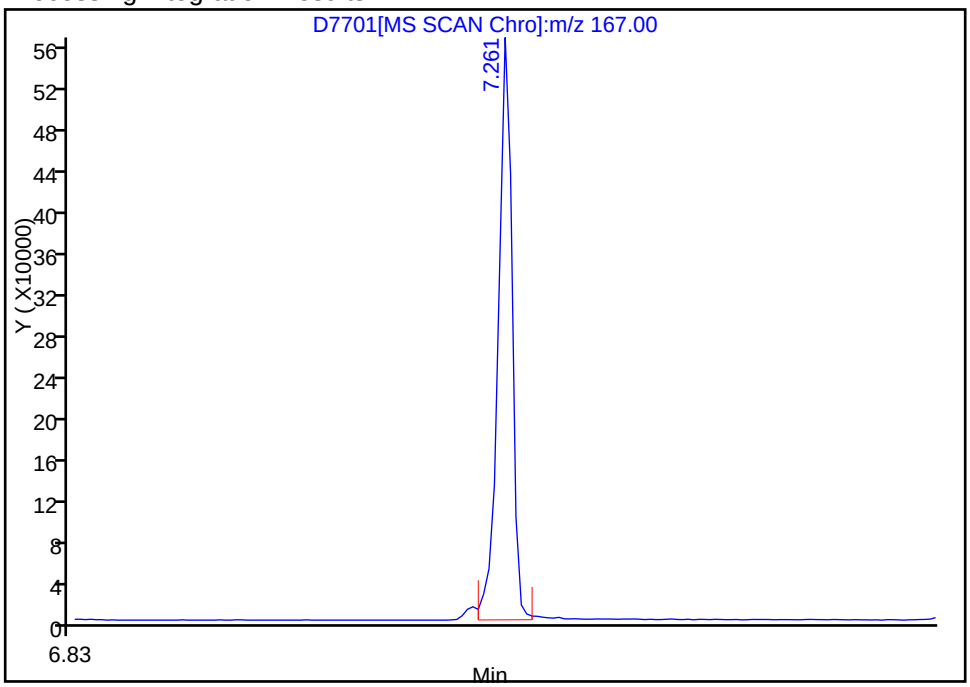
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

93 Carbazole, Signal: 1, m/z: 167.0 Type: quant, RT: 7.26

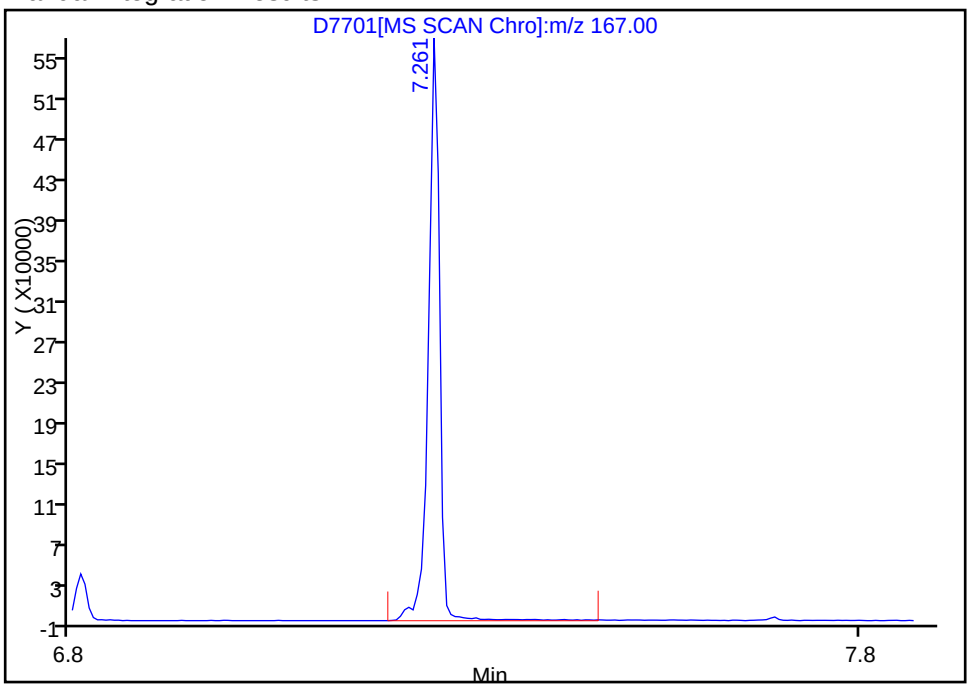
Processing Integration Results

RT: 7.26
Response: 541987
Amount: 51.249005



Manual Integration Results

RT: 7.26
Response: 565748
Amount: 53.919319



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:38 Chrom Revision: 1.2 29-Oct-2010 14:13:24

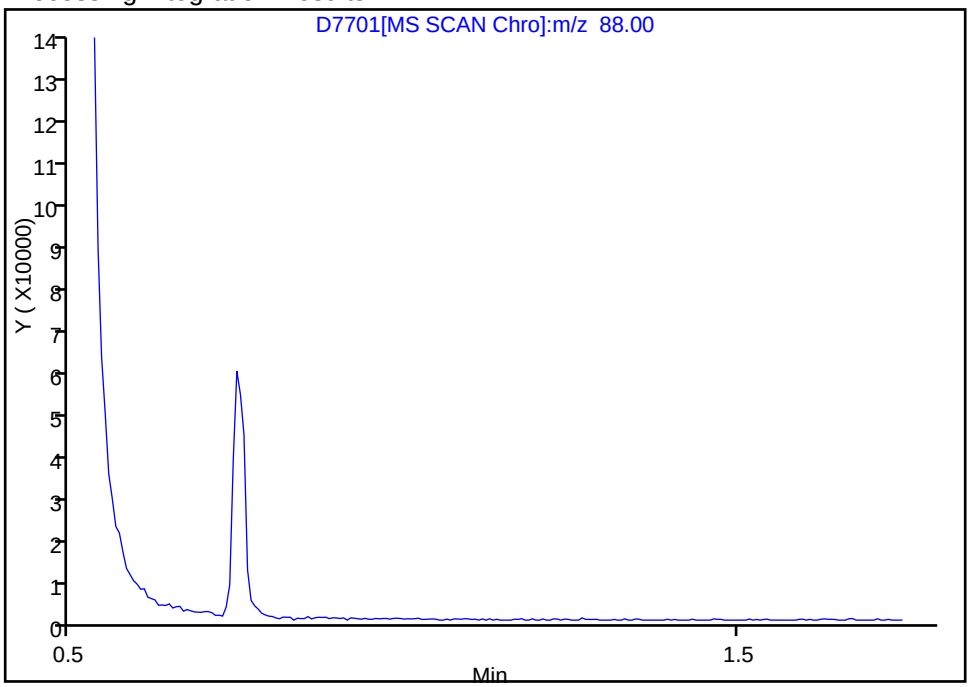
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

9 1,4-Dioxane, Signal: 1, m/z: 88.0 Type: quant, RT: 0.75

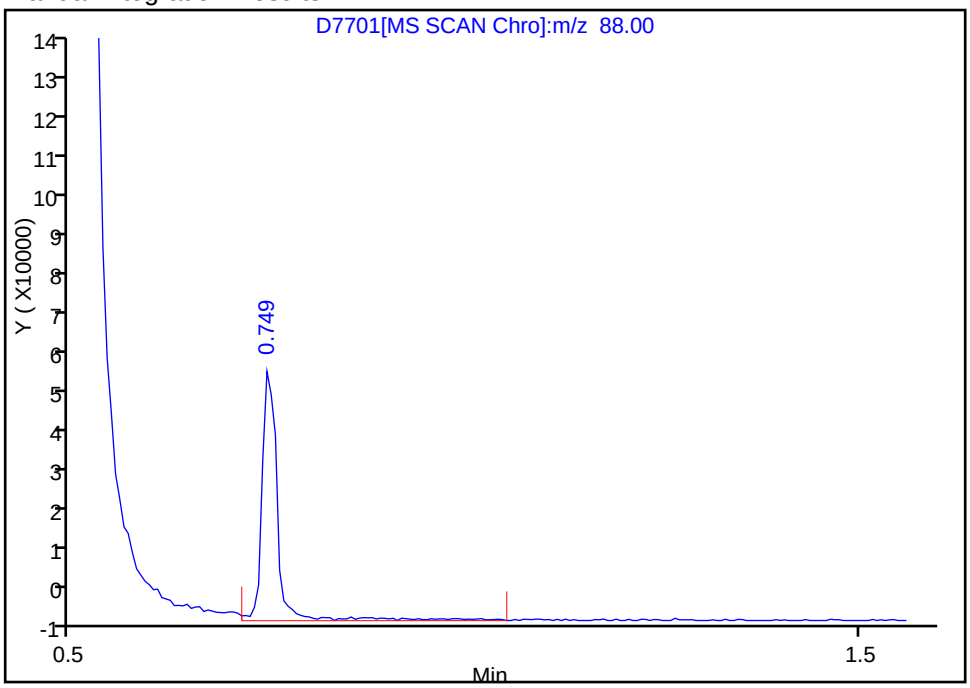
Processing Integration Results

Not Detected
Expected RT: 0.75



Manual Integration Results

RT: 0.75
Response: 79691
Amount: 41.310213



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Peak Tail

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

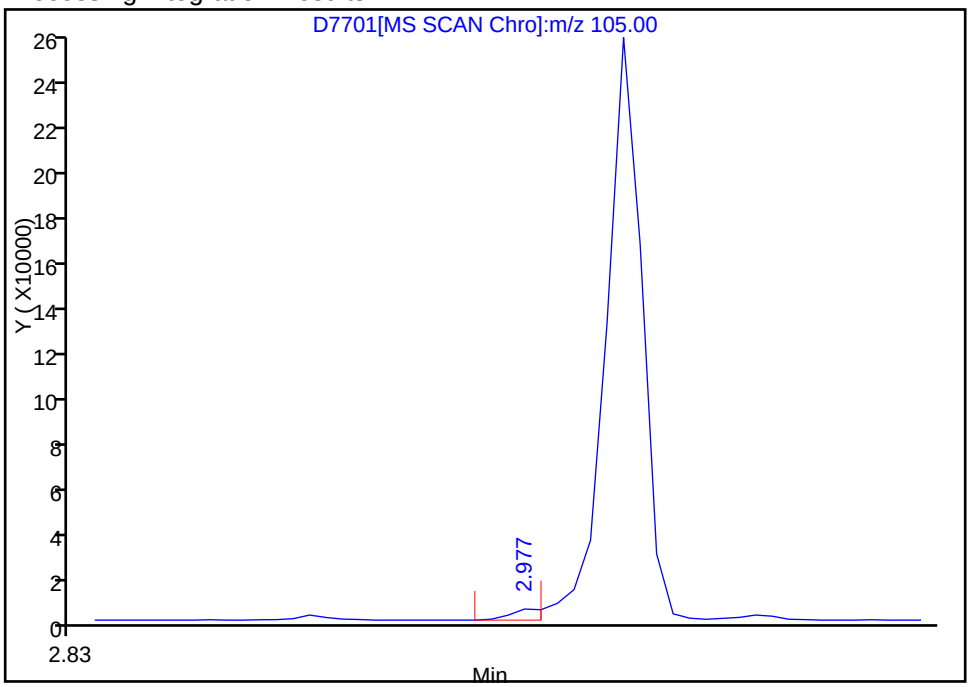
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

45 Acetophenone, Signal: 1, m/z: 105.0 Type: quant, RT: 3.01

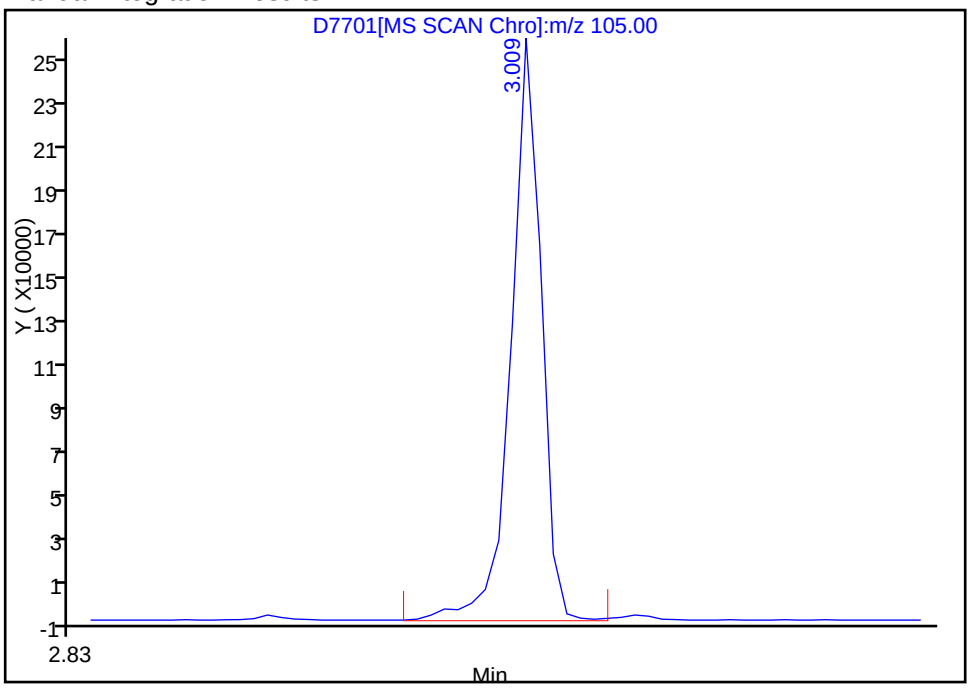
Processing Integration Results

RT: 2.98
Response: 3845
Amount: 0.828708



Manual Integration Results

RT: 3.01
Response: 210325
Amount: 45.331056



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

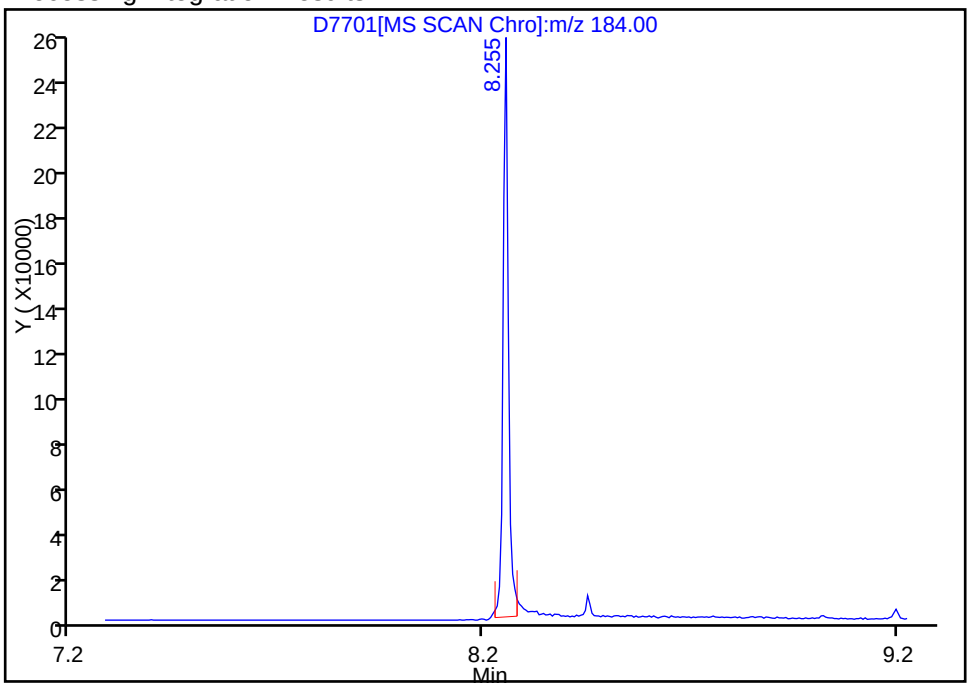
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

96 Benzidine, Signal: 1, m/z: 184.0 Type: quant, RT: 8.25

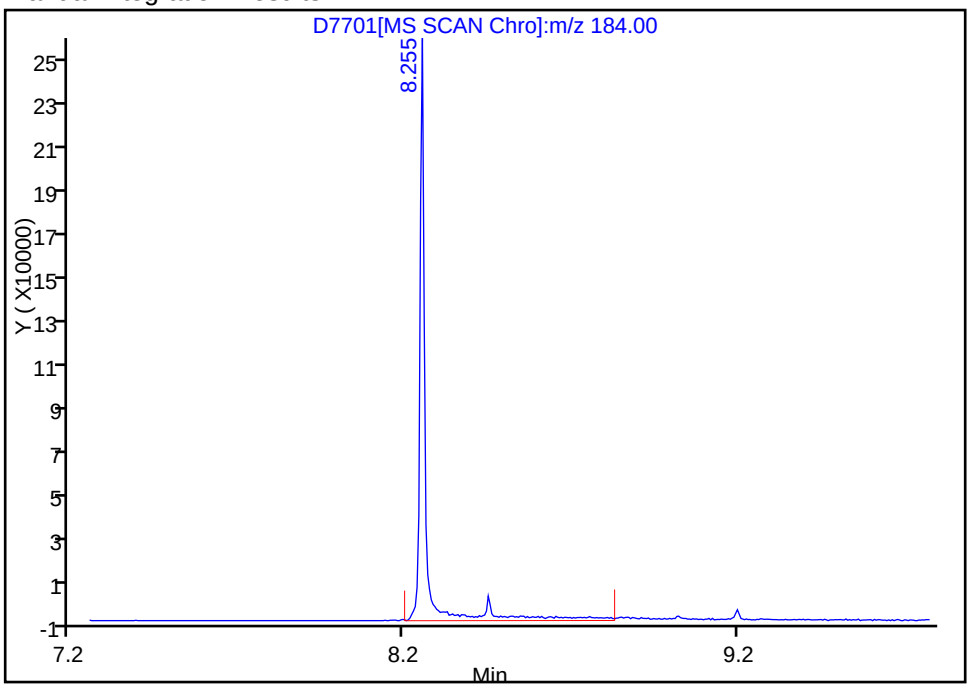
Processing Integration Results

RT: 8.25
Response: 228528
Amount: 113.4408



Manual Integration Results

RT: 8.25
Response: 302613
Amount: 140.6215



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

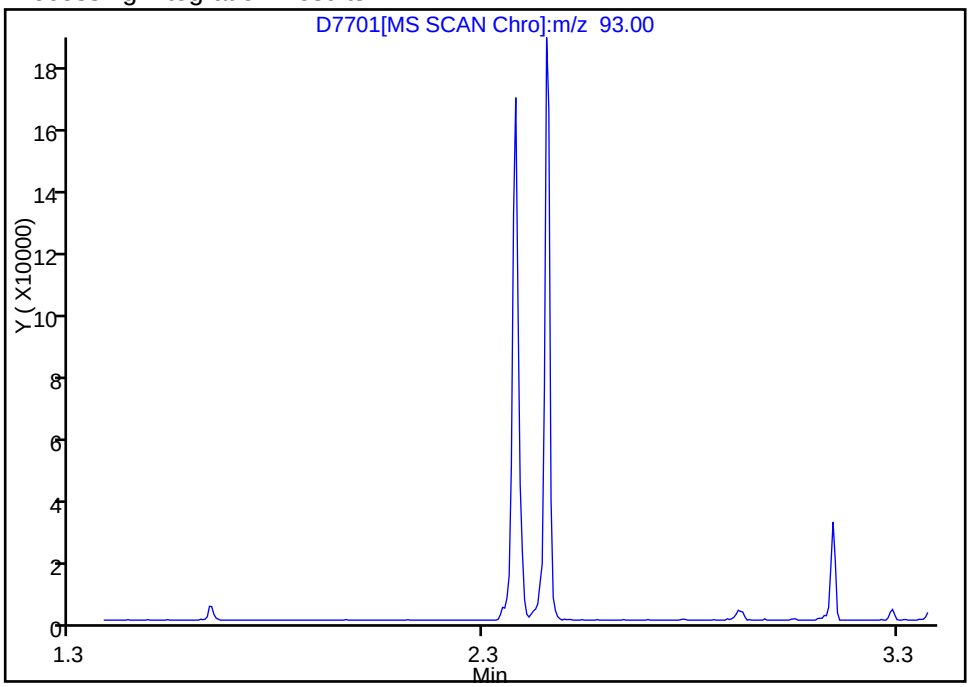
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

36 Aniline, Signal: 1, m/z: 93.0 Type: quant, RT: 2.38

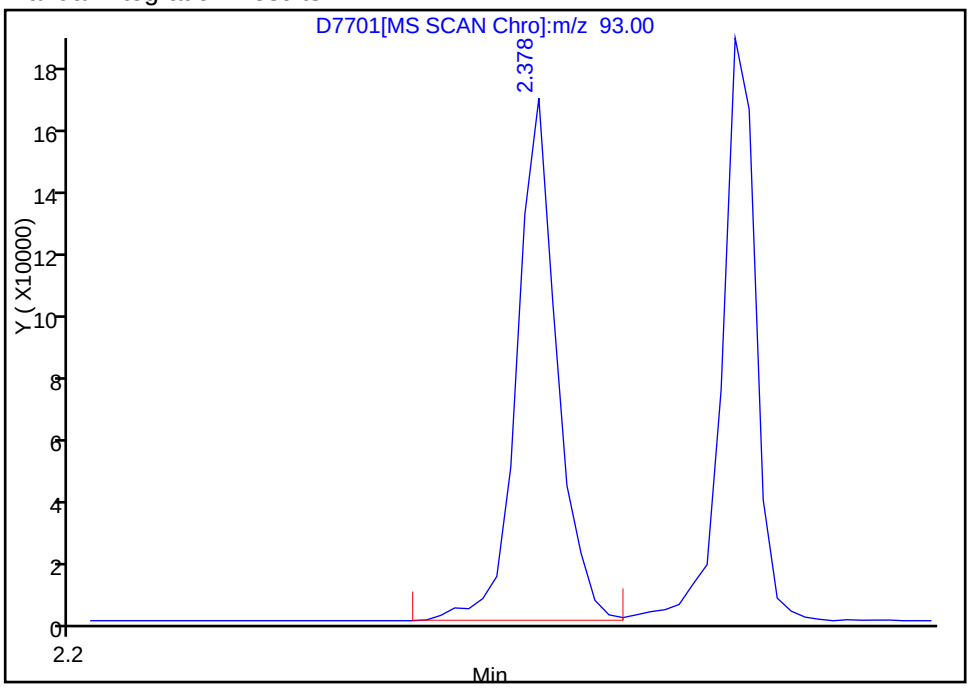
Processing Integration Results

Not Detected
Expected RT: 2.38



Manual Integration Results

RT: 2.38
Response: 173218
Amount: 39.750665



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

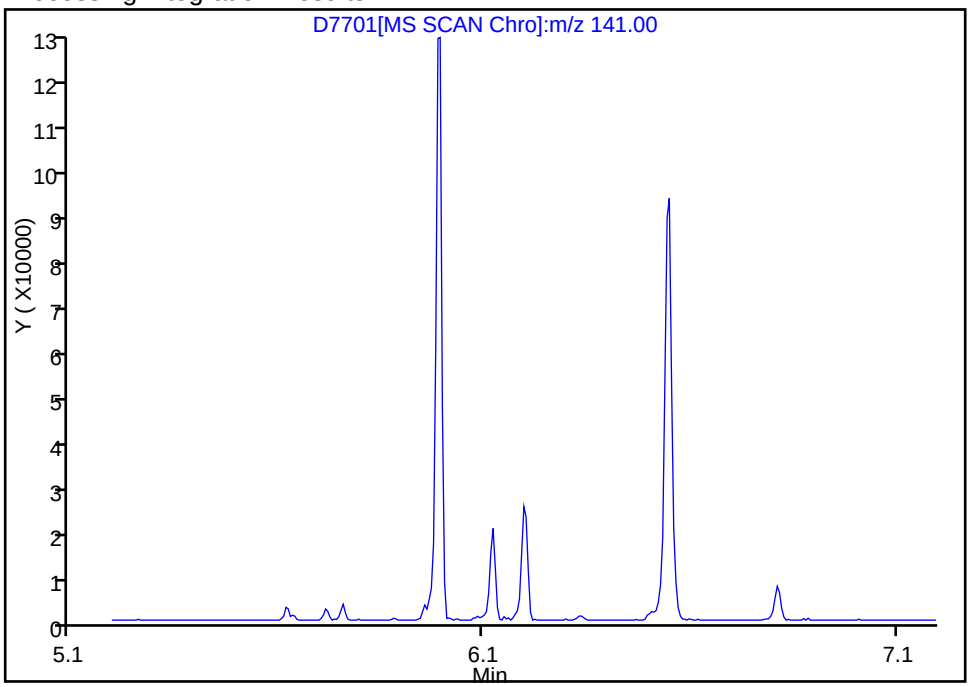
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

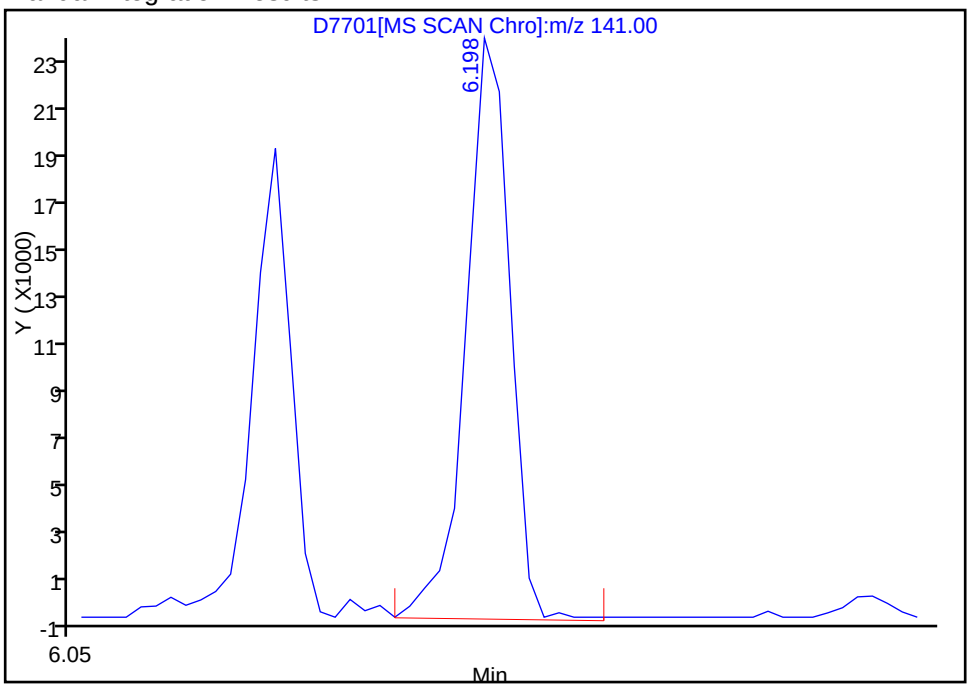
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 25758
Amount: 64.245486



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

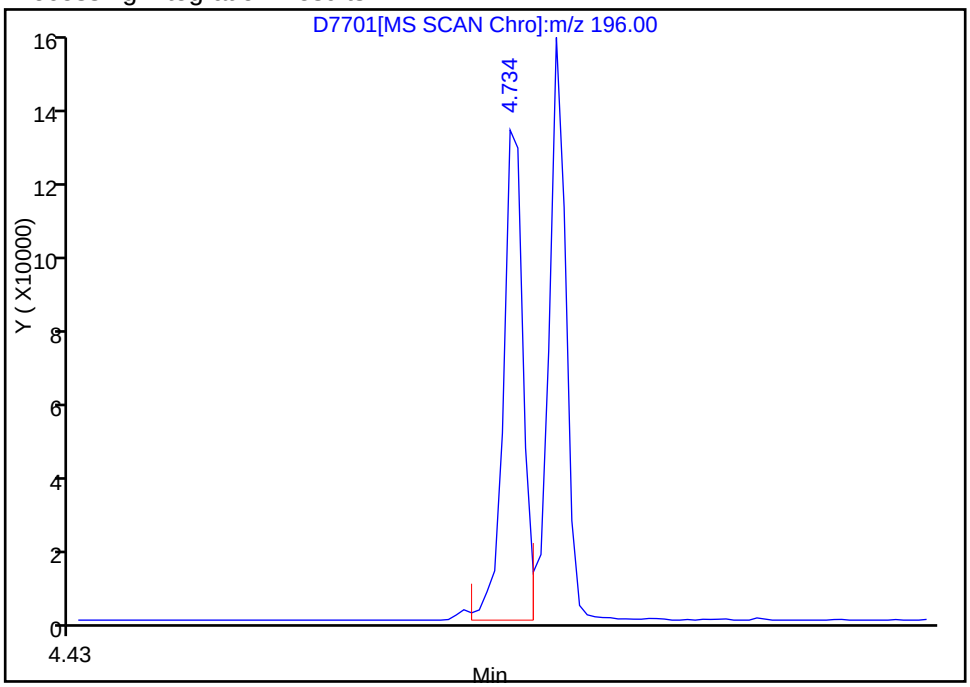
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

65 2,4,5-Trichlorophenol, Signal: 1, m/z: 196.0 Type: quant, RT: 4.77

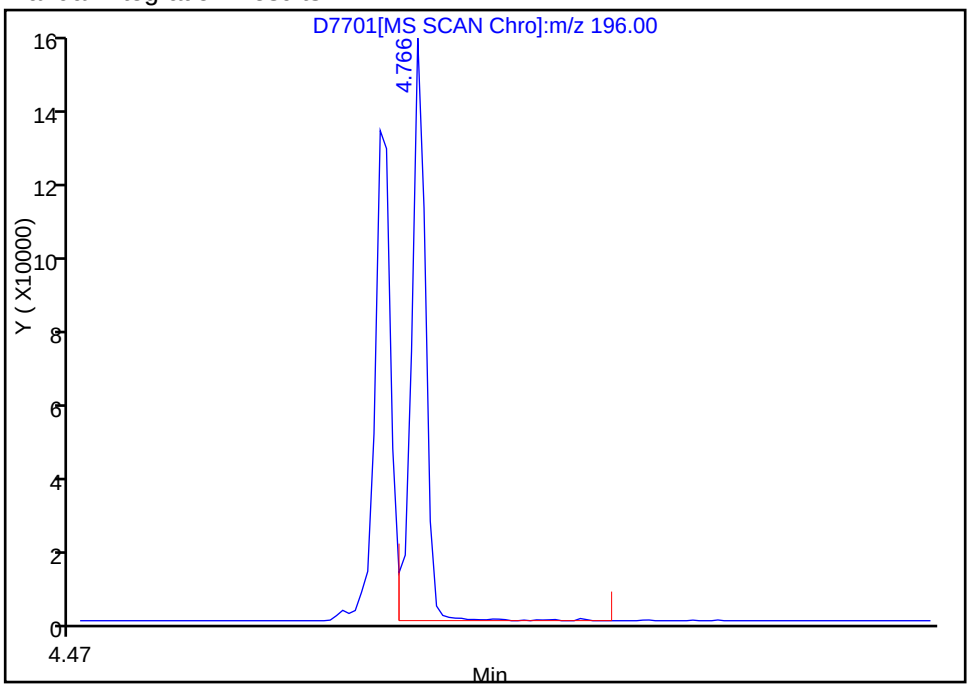
Processing Integration Results

RT: 4.73
Response: 123827
Amount: 49.095862



Manual Integration Results

RT: 4.77
Response: 128344
Amount: 50.886797



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

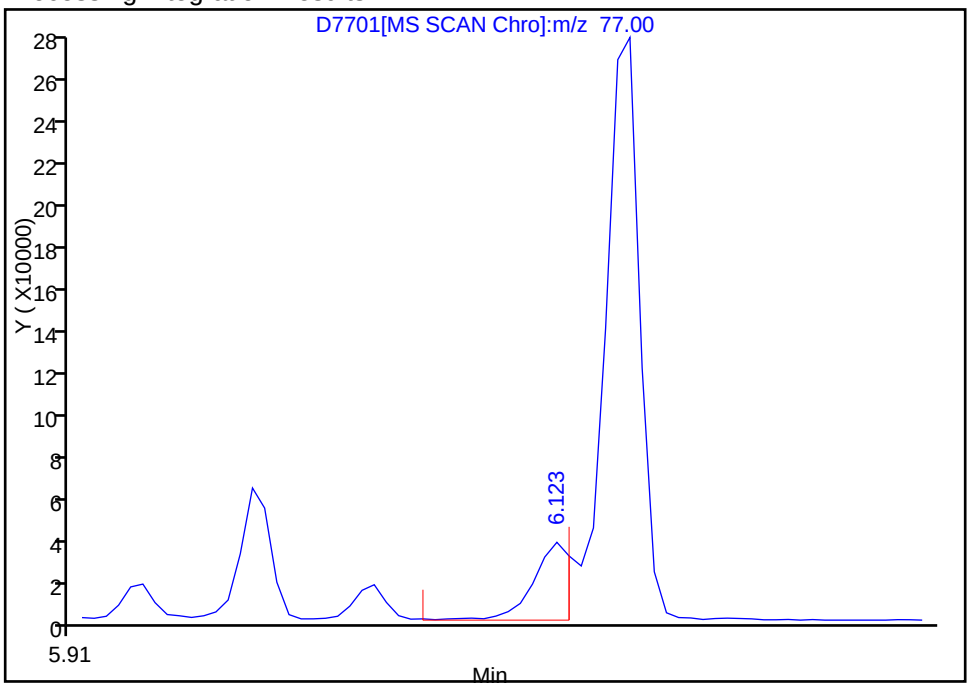
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

85 1,2-Diphenylhydrazine, Signal: 1, m/z: 77.0 Type: quant, RT: 6.16

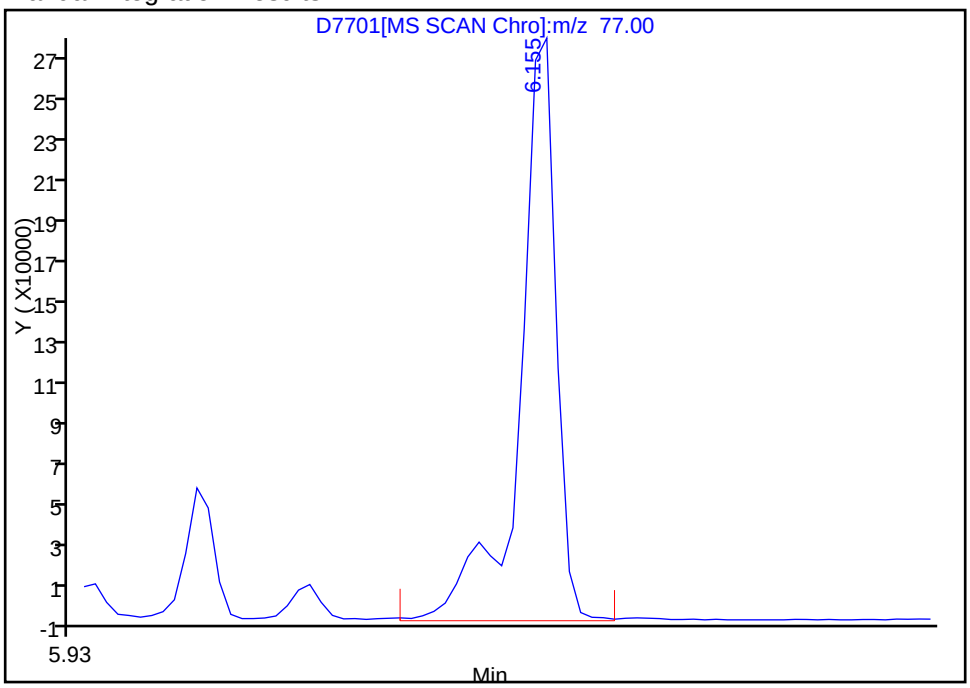
Processing Integration Results

RT: 6.12
Response: 41892
Amount: 6.389927



Manual Integration Results

RT: 6.16
Response: 328893
Amount: 50.167149



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

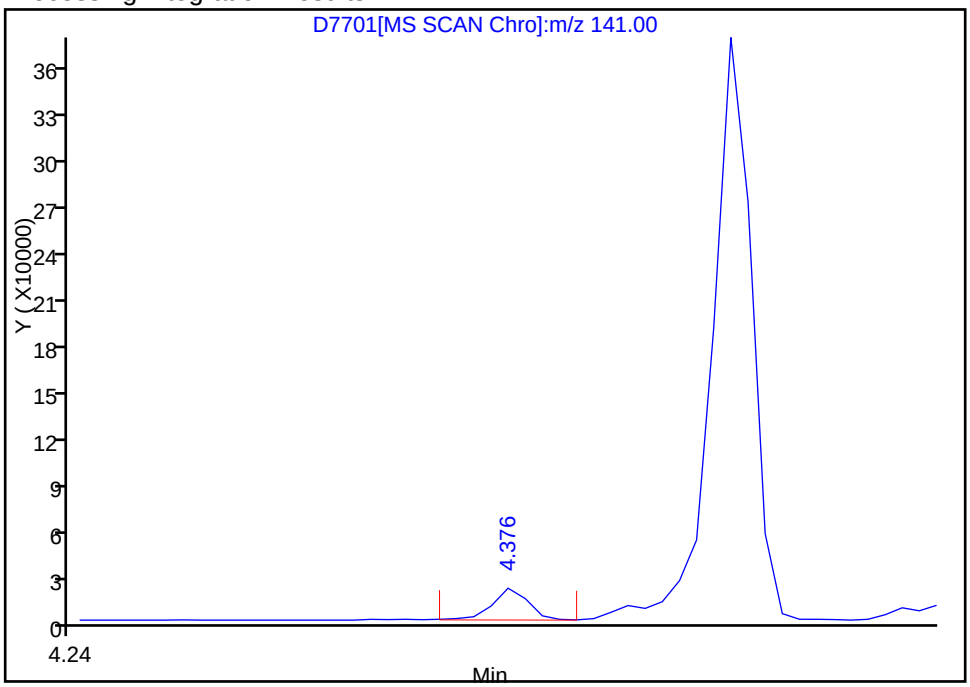
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

62 2-Methylnaphthalene, Signal: 2, m/z: 141.0 Type: quant, RT: 4.38

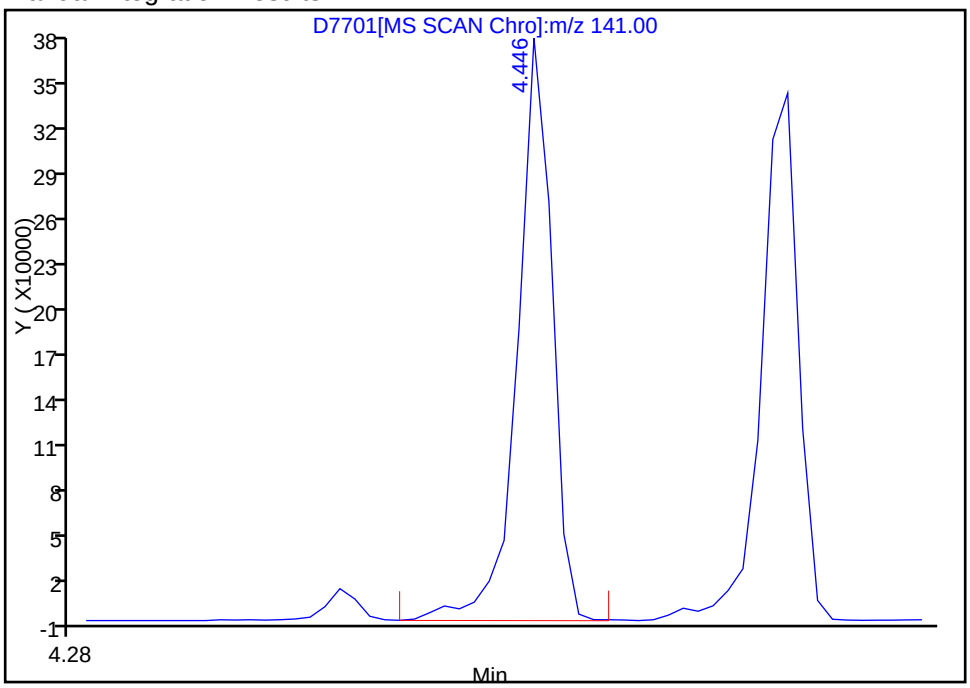
Processing Integration Results

RT: 4.38
Response: 16113
Amount: 2.506538



Manual Integration Results

RT: 4.45
Response: 324736
Amount: 50.515925



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

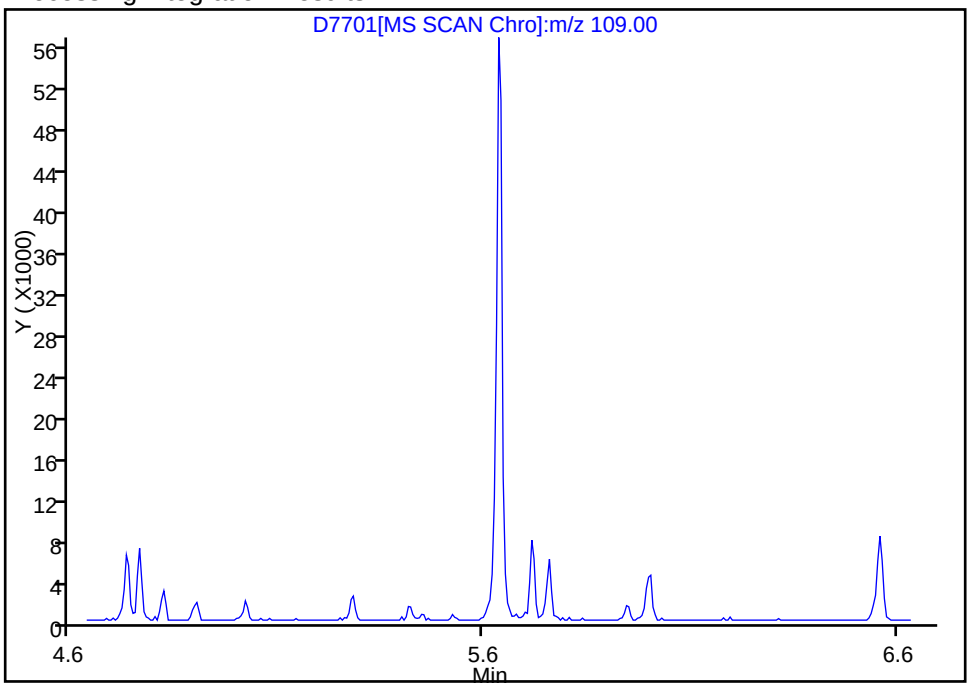
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

78 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 5.64

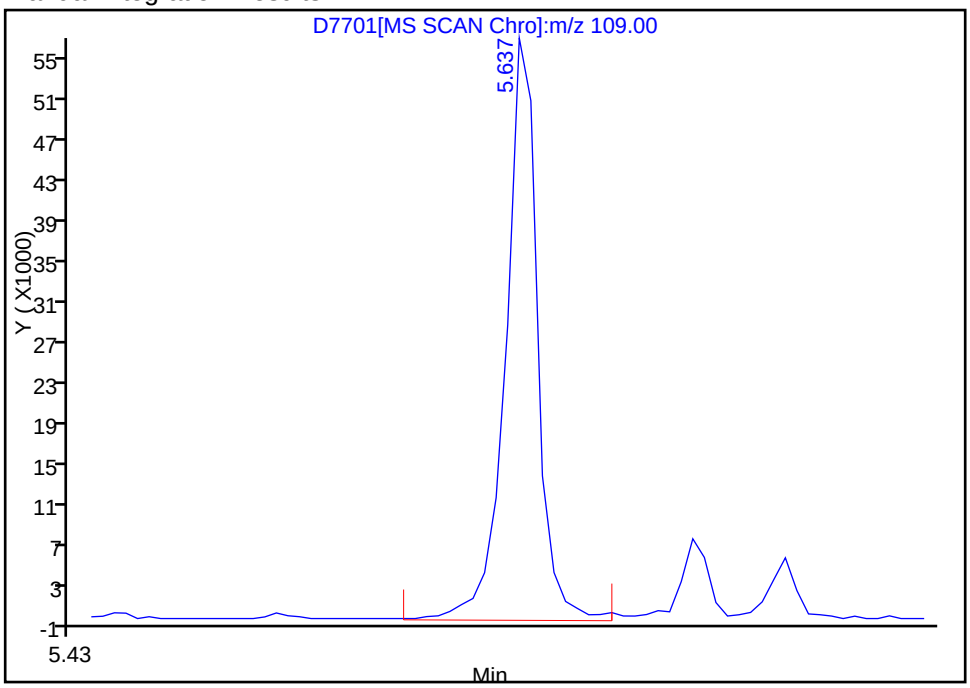
Not Detected
Expected RT: 5.64

Processing Integration Results



Manual Integration Results

RT: 5.64
Response: 58281
Amount: 71.137241



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

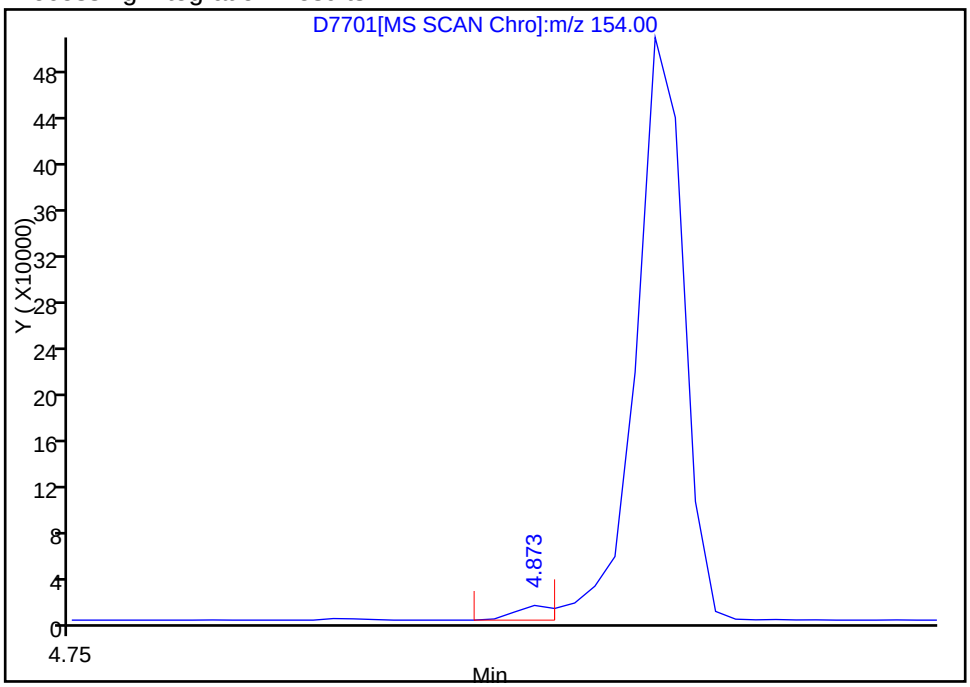
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

116 1,1'-Biphenyl, Signal: 1, m/z: 154.0 Type: quant, RT: 4.91

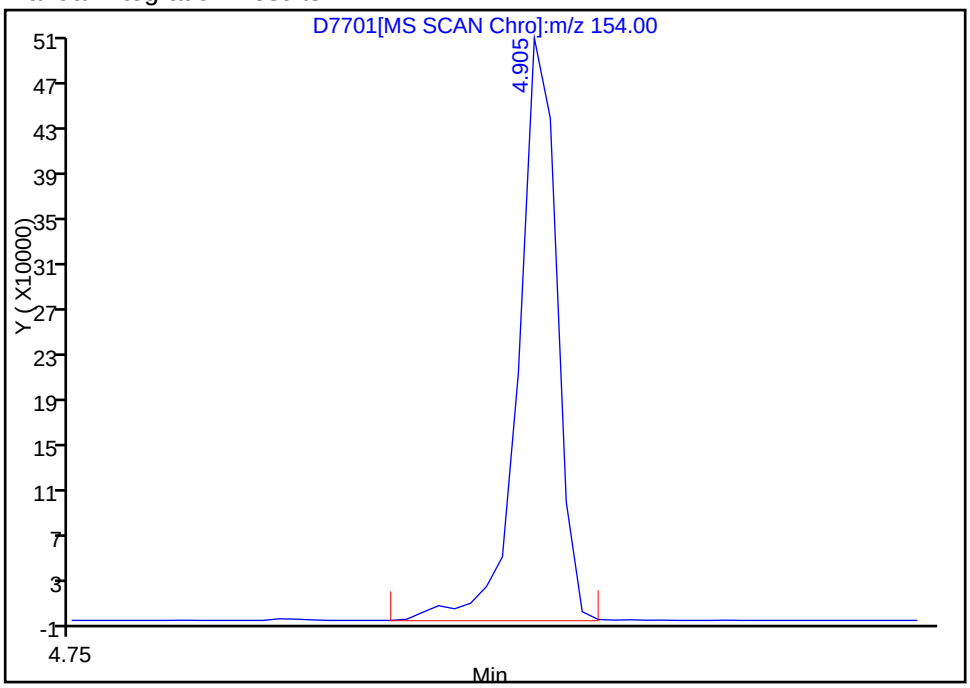
Processing Integration Results

RT: 4.87
Response: 9815
Amount: 1.086924



Manual Integration Results

RT: 4.91
Response: 445398
Amount: 49.323882



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 14:50:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

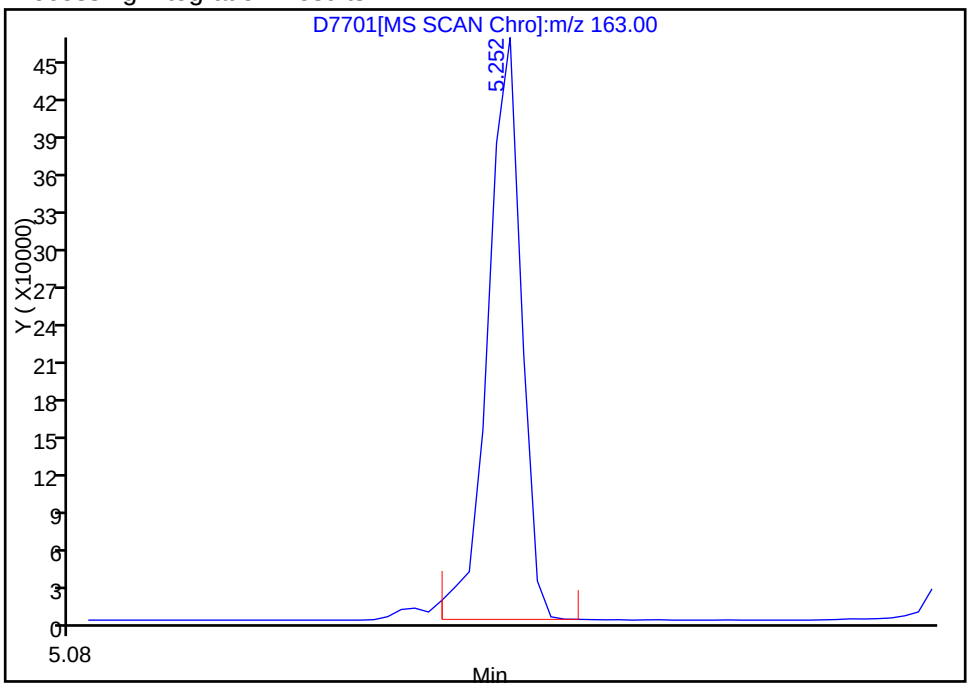
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7701.D		
Injection Date:	11-Mar-2011 10:07:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	2
Operator ID:	WDS	Injection Vol:	1.00 ul

69 Dimethyl phthalate, Signal: 1, m/z: 163.0 Type: quant, RT: 5.25

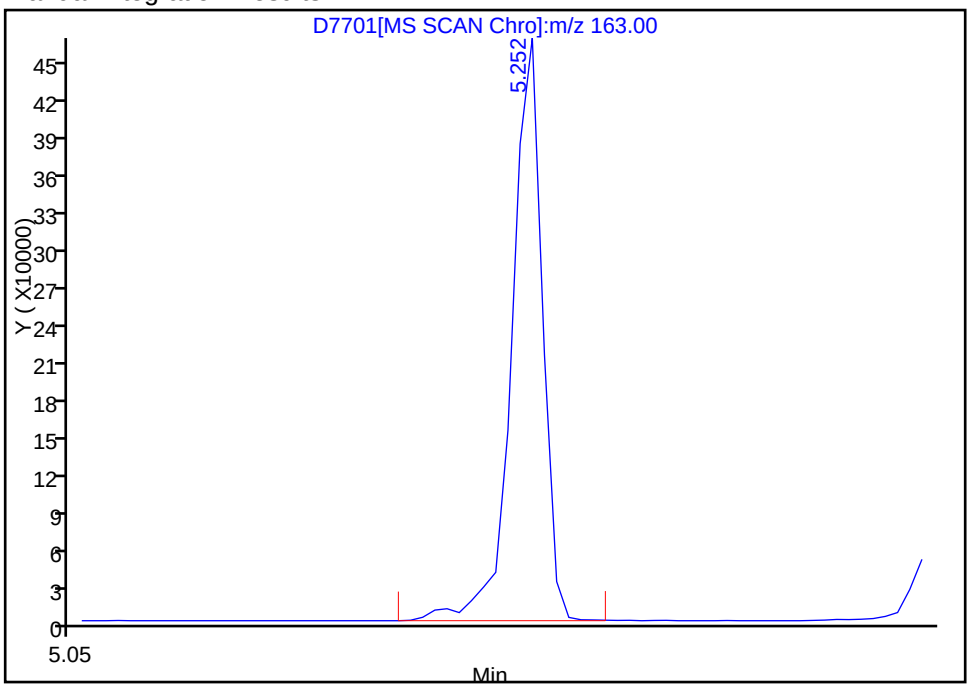
Processing Integration Results

RT: 5.25
Response: 420030
Amount: 55.868411



Manual Integration Results

RT: 5.25
Response: 430913
Amount: 57.315964



Reviewer: squiresb, 11-Mar-2011 10:27:10
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7330.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	03-Feb-2011 10:50:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	510-0004314-001 =510-0004314-001		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	75445	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\8270C_SMSA.m		
Last Update:	03-Feb-2011 11:23:59	Calib Date:	03-Feb-2011 11:05:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7331.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	03-Feb-2011 11:05:31

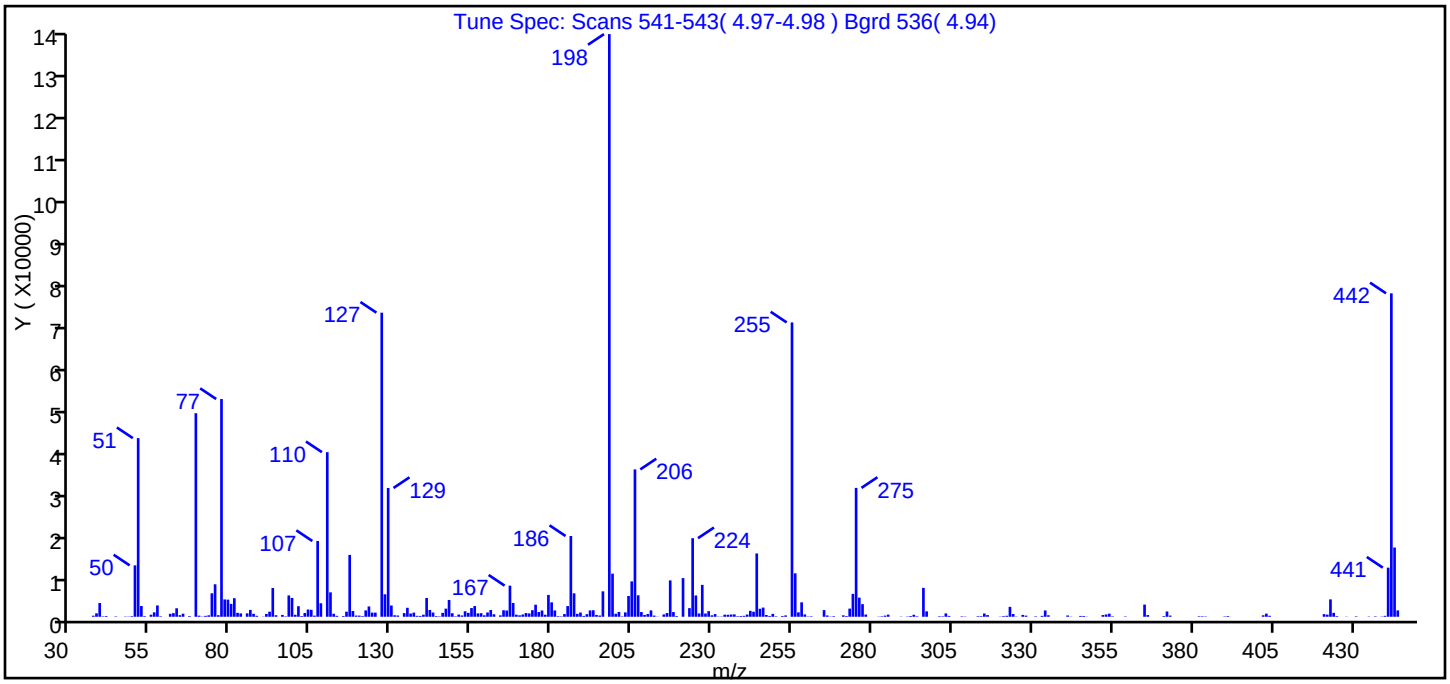
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
33 DFTPP	198	4.975	4.975	0.0	0	142708	0	

Report Date: 03-Feb-2011 11:23:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

MS Tune Report

Data File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7330.D		
Injection Date:	03-Feb-2011 10:50:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	75445	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	30.66
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	34.94
70	Less than 2.00% of mass 69	0.19 (0.53)
127	40.00 - 60.00% of mass 198	52.19
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.40
275	10.00 - 30.00% of mass 198	22.12
365	Greater than 1.00% of mass 198	2.09
441	0.01 - 100.00% of mass 443	8.43 (70.95)
442	Greater than 40.00% of mass 198	55.51
443	17.00 - 23.00% of mass 442	11.88 (21.40)

Report Date: 03-Feb-2011 11:23:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7330.D\8270C_SMSA.rslt\spectra.d
Injection Date: 03-Feb-2011 10:50:30
Spectrum: Tune Spec: Scans 541-543(4.97-4.98) Bgrd 536(4.94)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	251	122.00	1499	198.00	136832	283.00	113
38.00	810	123.00	2420	199.00	10122	284.00	264
39.00	3229	124.00	978	200.00	703	285.00	501
40.00	106	125.00	976	201.00	1135	289.00	57
41.00	173	127.00	71416	202.00	102	291.00	73
44.00	99	128.00	5277	203.00	1025	292.00	175
47.00	70	129.00	30248	204.00	4884	293.00	464
48.00	60	130.00	2644	205.00	8313	294.00	119
49.00	143	131.00	354	206.00	34608	296.00	6787
50.00	12069	132.00	295	207.00	5046	297.00	1272
51.00	41952	134.00	857	208.00	1106	301.00	132
52.00	2523	135.00	2108	209.00	426	302.00	109
53.00	147	136.00	760	210.00	644	303.00	784
55.00	487	137.00	975	211.00	1499	304.00	203
56.00	1045	138.00	220	212.00	275	308.00	112
57.00	2662	139.00	194	213.00	53	309.00	68
58.00	124	140.00	478	215.00	548	313.00	140
61.00	694	141.00	4407	216.00	875	314.00	145
62.00	855	142.00	1604	217.00	8540	315.00	766
63.00	1997	143.00	993	218.00	1107	316.00	397
64.00	366	144.00	165	219.00	169	320.00	59
65.00	728	145.00	103	221.00	9083	321.00	158
67.00	159	146.00	912	223.00	2029	322.00	232
69.00	47808	147.00	1906	224.00	18456	323.00	2328
70.00	255	148.00	3948	225.00	5012	324.00	646
71.00	63	149.00	828	226.00	774	325.00	59
72.00	215	150.00	110	227.00	7492	327.00	436
73.00	334	151.00	517	228.00	766	328.00	265
74.00	5517	152.00	305	229.00	1316	331.00	111
75.00	7633	153.00	1292	230.00	334	333.00	212
76.00	373	154.00	915	231.00	630	334.00	1478
77.00	51136	155.00	2044	232.00	67	335.00	353
78.00	4071	156.00	2517	233.00	68	341.00	304

Report Date: 03-Feb-2011 11:23:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7330.D\8270C_SMSA.rslt\spectra.d
Injection Date: 03-Feb-2011 10:50:30
Spectrum: Tune Spec: Scans 541-543(4.97-4.98) Bgrd 536(4.94)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	4022	157.00	793	234.00	486	342.00	54
80.00	3028	158.00	842	235.00	463	345.00	197
81.00	4362	159.00	340	236.00	535	346.00	181
82.00	924	160.00	1008	237.00	557	347.00	50
83.00	790	161.00	1590	238.00	126	352.00	405
84.00	6	162.00	593	239.00	170	353.00	543
85.00	807	164.00	326	240.00	221	354.00	722
86.00	1607	165.00	1533	241.00	522	355.00	116
87.00	702	166.00	1474	242.00	1387	359.00	98
88.00	229	167.00	7308	243.00	1183	365.00	2863
90.00	54	168.00	3246	244.00	14867	366.00	404
91.00	664	169.00	493	245.00	1882	371.00	161
92.00	1193	170.00	341	246.00	2157	372.00	1246
93.00	6748	171.00	535	247.00	412	373.00	278
94.00	360	172.00	881	248.00	193	382.00	129
96.00	438	173.00	783	249.00	680	383.00	117
97.00	104	174.00	1545	250.00	111	384.00	87
98.00	5012	175.00	2834	252.00	190	390.00	96
99.00	4420	176.00	1111	253.00	317	391.00	167
100.00	464	177.00	1478	255.00	69120	402.00	347
101.00	2483	178.00	478	256.00	10205	403.00	737
102.00	173	179.00	5128	257.00	1031	404.00	230
103.00	882	180.00	3386	258.00	3394	421.00	621
104.00	1704	181.00	1483	259.00	548	422.00	503
105.00	1635	182.00	150	260.00	85	423.00	4085
106.00	265	183.00	100	261.00	114	424.00	921
107.00	17792	184.00	637	265.00	1570	425.00	160
108.00	3170	185.00	2510	266.00	303	428.00	51
110.00	38656	186.00	18968	267.00	61	431.00	115
111.00	5739	187.00	5511	268.00	144	435.00	73
112.00	706	188.00	686	271.00	333	437.00	110
113.00	220	189.00	990	272.00	168	439.00	62
115.00	174	190.00	201	273.00	1918	440.00	217
116.00	1187	191.00	602	274.00	5375	441.00	11535

Report Date: 03-Feb-2011 11:23:59 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7330.D\8270C_SMSA.rslt\spectra.d
Injection Date: 03-Feb-2011 10:50:30
Spectrum: Tune Spec: Scans 541-543(4.97-4.98) Bgrd 536(4.94)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 286

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	14529	192.00	1489	275.00	30264	442.00	75960
118.00	1353	193.00	1528	276.00	4486	443.00	16258
119.00	286	194.00	426	277.00	2965	444.00	1494
120.00	273	195.00	286	278.00	525		
121.00	155	196.00	5975	282.00	56		

TestAmerica Laboratories
Target Compound Quantitation Report

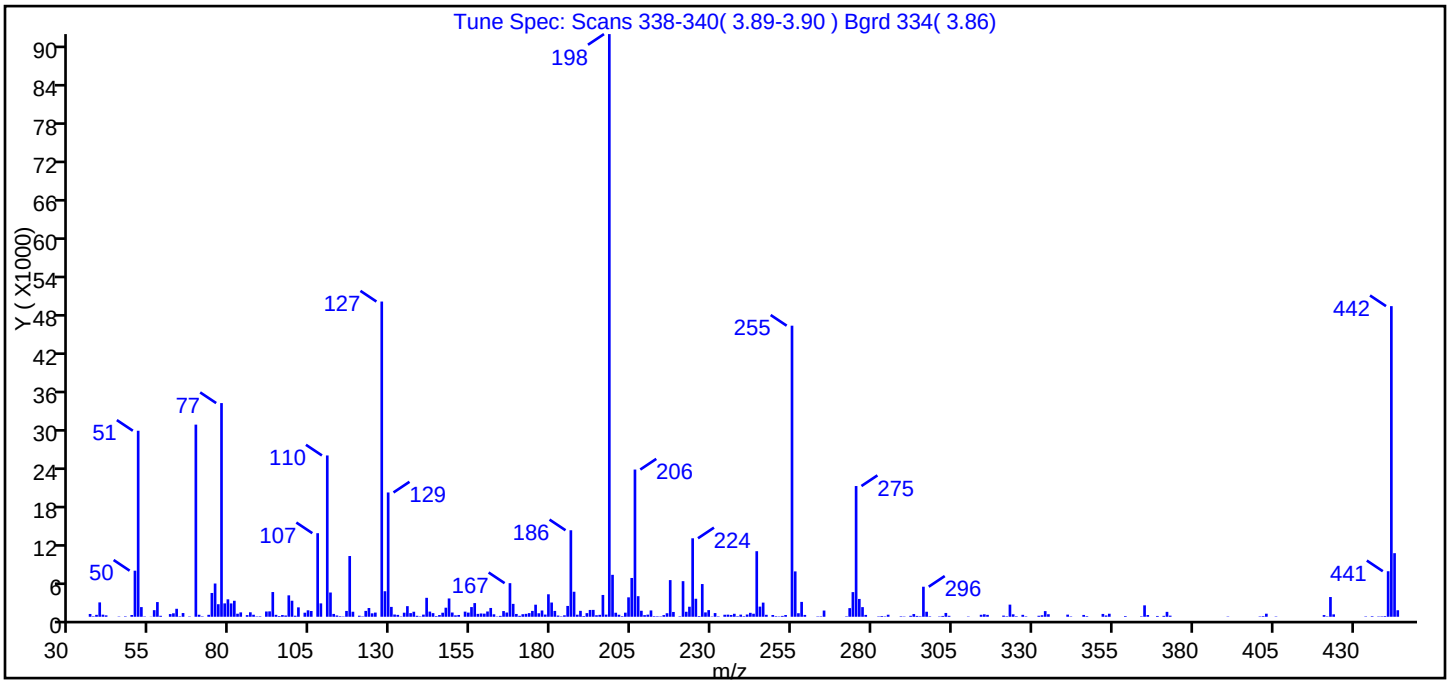
Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7700.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Mar-2011 09:57:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:	510-0004516-001 =510-0004516-001		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77240	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 10:12:06	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 10:12:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
33 DFTPP	198	3.891	3.891	0.0	0	111865	0	

MS Tune Report

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7700.D
Injection Date: 11-Mar-2011 09:57:30 Limit Group: SMS - 1 - 8270 SVOA Calibration
Client ID: Instrument ID: SMSA
Lims Batch ID: 77240 Lims Sample ID: 1
Operator ID: WDS Injection Vol: 1.00 ul
Tune Method: DFTPP Method 8270

33 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	31.93
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	32.98
70	Less than 2.00% of mass 69	0.35 (1.05)
127	40.00 - 60.00% of mass 198	54.10
197	Less than 1.00% of mass 198	0.37
199	5.00 - 9.00% of mass 198	7.20
275	10.00 - 30.00% of mass 198	22.44
365	Greater than 1.00% of mass 198	1.96
441	0.01 - 100.00% of mass 443	7.82 (71.62)
442	Greater than 40.00% of mass 198	53.31
443	17.00 - 23.00% of mass 442	10.91 (20.47)

Report Date: 11-Mar-2011 10:12:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7700.D\8270C_SMSA.rslt\spectra.d
Injection Date: 11-Mar-2011 09:57:30
Spectrum: Tune Spec: Scans 338-340(3.89-3.90) Bgrd 334(3.86)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	438	122.00	920	193.00	1078	275.00	20488
37.00	80	123.00	1370	194.00	241	276.00	2794
38.00	302	124.00	542	195.00	300	277.00	1511
39.00	2253	125.00	656	196.00	3418	278.00	292
40.00	331	127.00	49400	197.00	334	282.00	62
41.00	220	128.00	4001	198.00	91312	283.00	117
45.00	50	129.00	19480	199.00	6574	284.00	60
47.00	72	130.00	1545	200.00	634	285.00	321
49.00	273	131.00	352	201.00	315	289.00	77
50.00	7222	132.00	296	202.00	95	290.00	50
51.00	29152	133.00	52	203.00	640	292.00	150
52.00	1516	134.00	637	204.00	3046	293.00	425
53.00	56	135.00	1664	205.00	6081	294.00	130
55.00	28	136.00	573	206.00	23072	295.00	66
56.00	1034	137.00	788	207.00	3225	296.00	4709
57.00	2304	138.00	153	208.00	942	297.00	787
58.00	153	139.00	58	209.00	257	298.00	70
61.00	423	140.00	336	210.00	330	301.00	57
62.00	544	141.00	2969	211.00	991	302.00	128
63.00	1251	142.00	812	212.00	89	303.00	597
64.00	70	143.00	568	213.00	76	304.00	151
65.00	585	144.00	98	214.00	57	310.00	51
67.00	58	145.00	270	215.00	262	314.00	311
69.00	30112	146.00	634	216.00	556	315.00	388
70.00	317	147.00	1420	217.00	5745	316.00	298
71.00	68	148.00	2870	218.00	753	321.00	182
73.00	306	149.00	665	220.00	68	322.00	74
74.00	3728	150.00	224	221.00	5581	323.00	1903
75.00	5212	151.00	282	222.00	784	324.00	386
76.00	1968	153.00	807	223.00	1574	325.00	80
77.00	33488	154.00	652	224.00	12299	327.00	304
78.00	2097	155.00	1519	225.00	2823	328.00	69
79.00	2736	156.00	2143	226.00	108	332.00	157

Report Date: 11-Mar-2011 10:12:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7700.D\8270C_SMSA.rslt\spectra.d
Injection Date: 11-Mar-2011 09:57:30
Spectrum: Tune Spec: Scans 338-340(3.89-3.90) Bgrd 334(3.86)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	2093	157.00	453	227.00	5128	333.00	234
81.00	2507	158.00	517	228.00	684	334.00	888
82.00	477	159.00	489	229.00	1042	335.00	398
83.00	690	160.00	828	230.00	50	341.00	335
85.00	256	161.00	1380	231.00	581	342.00	59
86.00	703	162.00	387	232.00	67	346.00	287
87.00	318	163.00	50	234.00	316	347.00	94
88.00	59	164.00	140	235.00	331	352.00	444
89.00	75	165.00	893	236.00	280	353.00	201
91.00	828	166.00	663	237.00	468	354.00	474
92.00	848	167.00	5266	238.00	79	359.00	112
93.00	3876	168.00	2021	239.00	335	364.00	70
94.00	303	169.00	440	240.00	84	365.00	1790
95.00	114	170.00	150	241.00	354	366.00	270
96.00	269	171.00	401	242.00	618	369.00	125
97.00	197	172.00	458	243.00	474	371.00	144
98.00	3357	173.00	571	244.00	10276	372.00	769
99.00	2514	174.00	918	245.00	1591	373.00	175
100.00	163	175.00	1892	246.00	2218	391.00	50
101.00	1474	176.00	550	247.00	307	401.00	62
103.00	637	177.00	985	249.00	277	402.00	98
104.00	1014	178.00	342	250.00	83	403.00	481
105.00	905	179.00	3525	251.00	52	406.00	54
107.00	13097	180.00	2232	252.00	135	421.00	266
108.00	2098	181.00	917	253.00	272	422.00	60
110.00	25280	182.00	193	255.00	45616	423.00	3094
111.00	3801	183.00	61	256.00	7109	424.00	379
112.00	446	184.00	228	257.00	553	434.00	61
113.00	202	185.00	1697	258.00	2330	436.00	90
114.00	88	186.00	13557	259.00	288	438.00	56
115.00	52	187.00	3922	263.00	57	439.00	66
116.00	914	188.00	323	264.00	66	440.00	107
117.00	9520	189.00	929	265.00	976	441.00	7137
118.00	789	190.00	107	272.00	69	442.00	48680

Report Date: 11-Mar-2011 10:12:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7700.D\8270C_SMSA.rslt\spectra.d
Injection Date: 11-Mar-2011 09:57:30
Spectrum: Tune Spec: Scans 338-340(3.89-3.90) Bgrd 334(3.86)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 276

m/z	Y	m/z	Y	m/z	Y	m/z	Y
120.00	166	191.00	571	273.00	1356	443.00	9965
121.00	60	192.00	1068	274.00	3865	444.00	1023

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77007/1-A

Matrix: Solid | Lab File ID: D7709.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 12:30

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.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.7		1.7	0.70
100-51-6	Benzyl alcohol	<0.33		0.33	0.042
111-91-1	Bis(2-chloroethoxy)methane	<0.33		0.33	0.032
111-44-4	Bis(2-chloroethyl)ether	<0.33		0.33	0.060
39638-32-9	Bis(2-chloroisopropyl) ether	<0.33		0.33	0.056
117-81-7	Bis(2-ethylhexyl) phthalate	<0.66		0.66	0.10
101-55-3	4-Bromophenyl phenyl ether	<0.33		0.33	0.047
85-68-7	Butyl benzyl phthalate	<0.33		0.33	0.040
86-74-8	Carbazole	<0.33		0.33	0.048
59-50-7	4-Chloro-3-methylphenol	<0.33		0.33	0.041
91-58-7	2-Chloronaphthalene	<0.33		0.33	0.031
95-57-8	2-Chlorophenol	<0.33		0.33	0.060
7005-72-3	4-Chlorophenyl phenyl ether	<0.33		0.33	0.031
132-64-9	Dibenzofuran	<0.33		0.33	0.020
84-74-2	Dibutylphthalate	<0.33		0.33	0.15
95-50-1	1,2-Dichlorobenzene	<0.33		0.33	0.070
541-73-1	1,3-Dichlorobenzene	<0.33		0.33	0.075
106-46-7	1,4-Dichlorobenzene	<0.33		0.33	0.076
91-94-1	3,3'-Dichlorobenzidine	<0.66		0.66	0.031
120-83-2	2,4-Dichlorophenol	<0.33		0.33	0.042
84-66-2	Diethyl phthalate	<0.33		0.33	0.035
105-67-9	2,4-Dimethylphenol	<0.33		0.33	0.038
131-11-3	Dimethyl phthalate	<0.33		0.33	0.031
534-52-1	4,6-Dinitro-2-methylphenol	<0.66		0.66	0.065
51-28-5	2,4-Dinitrophenol	<1.7		1.7	0.025
121-14-2	2,4-Dinitrotoluene	<0.33		0.33	0.060
606-20-2	2,6-Dinitrotoluene	<0.33		0.33	0.051
117-84-0	Di-n-octyl phthalate	<0.33		0.33	0.031
118-74-1	Hexachlorobenzene	<0.33		0.33	0.020
87-68-3	Hexachloro-1,3-butadiene	<0.33		0.33	0.047
77-47-4	Hexachlorocyclopentadiene	<0.33		0.33	0.10
67-72-1	Hexachloroethane	<0.33		0.33	0.069
78-59-1	Isophorone	<0.33		0.33	0.030
91-57-6	2-Methylnaphthalene	<0.33		0.33	0.027

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77007/1-A

Matrix: Solid | Lab File ID: D7709.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 12:30

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.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	<0.33		0.33	0.043
15831-10-4	3 & 4 Methylphenol	<0.33		0.33	0.036
88-74-4	2-Nitroaniline	<0.66		0.66	0.066
99-09-2	3-Nitroaniline	<0.66		0.66	0.068
100-01-6	4-Nitroaniline	<0.66		0.66	0.060
98-95-3	Nitrobenzene	<0.33		0.33	0.044
88-75-5	2-Nitrophenol	<0.33		0.33	0.056
100-02-7	4-Nitrophenol	<1.7		1.7	0.081
62-75-9	N-Nitrosodimethylamine	<0.33		0.33	0.065
621-64-7	N-Nitrosodi-n-propylamine	<0.33		0.33	0.032
86-30-6	N-Nitrosodiphenylamine	<0.33		0.33	0.063
106-47-8	p-Chloroaniline	<0.33		0.33	0.032
87-86-5	Pentachlorophenol	<0.66		0.66	0.059
108-95-2	Phenol	<0.33		0.33	0.053
120-82-1	1,2,4-Trichlorobenzene	<0.33		0.33	0.043
95-95-4	2,4,5-Trichlorophenol	<0.33		0.33	0.086
88-06-2	2,4,6-Trichlorophenol	<0.33		0.33	0.092

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	68		14-104
367-12-4	2-Fluorophenol	59		10-102
4165-60-0	Nitrobenzene-d5	66		10-105
4165-62-2	Phenol-d5	61		10-94
1718-51-0	Terphenyl-d14	96		31-119
118-79-6	2,4,6-Tribromophenol	80		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7709.D		
Lims ID:	MB 510-77007/1-A	Client ID:	
Inject. Date:	11-Mar-2011 12:30:30	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 77007		
Misc. Info.:	510-0004516-010 =510-0004516-010		
Operator:	WDS	Instrument ID:	SMSA
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	77240	Lims Sample ID:	10
Detector:	MS SCAN		
Method:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m		
Last Update:	11-Mar-2011 10:27:10	Calib Date:	03-Feb-2011 13:51:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D		
Limit Group:	SMS - 1 - 8270 SVOA Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		
First Level Reviewer: squiresb		Date:	11-Mar-2011 13:39:44

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
$ 32 2-Fluorophenol	112	1.636	1.641	-0.005	85	344883	59.5	
$ 34 Phenol-d5	99	2.378	2.384	-0.006	0	372423	61.3	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	92	190541	40.0	
$ 49 Nitrobenzene-d5	82	3.126	3.132	-0.006	84	151030	33.2	
* 57 Naphthalene-d8	136	3.767	3.773	-0.006	99	564099	40.0	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	98	373089	33.9	
* 73 Acenaphthene-d10	164	5.423	5.423	0.0	91	318521	40.0	
$ 86 2,4,6-Tribromophenol	141	6.198	6.198	0.0	0	41350	79.6	M
* 90 Phenanthrene-d10	188	6.988	6.994	-0.006	97	454613	40.0	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	97	309250	48.1	
* 103 Chrysene-d12	240	9.195	9.200	-0.005	96	281535	40.0	
* 109 Perylene-d12	264	10.172	10.167	0.005	96	167064	40.0	

QC Flag Legend

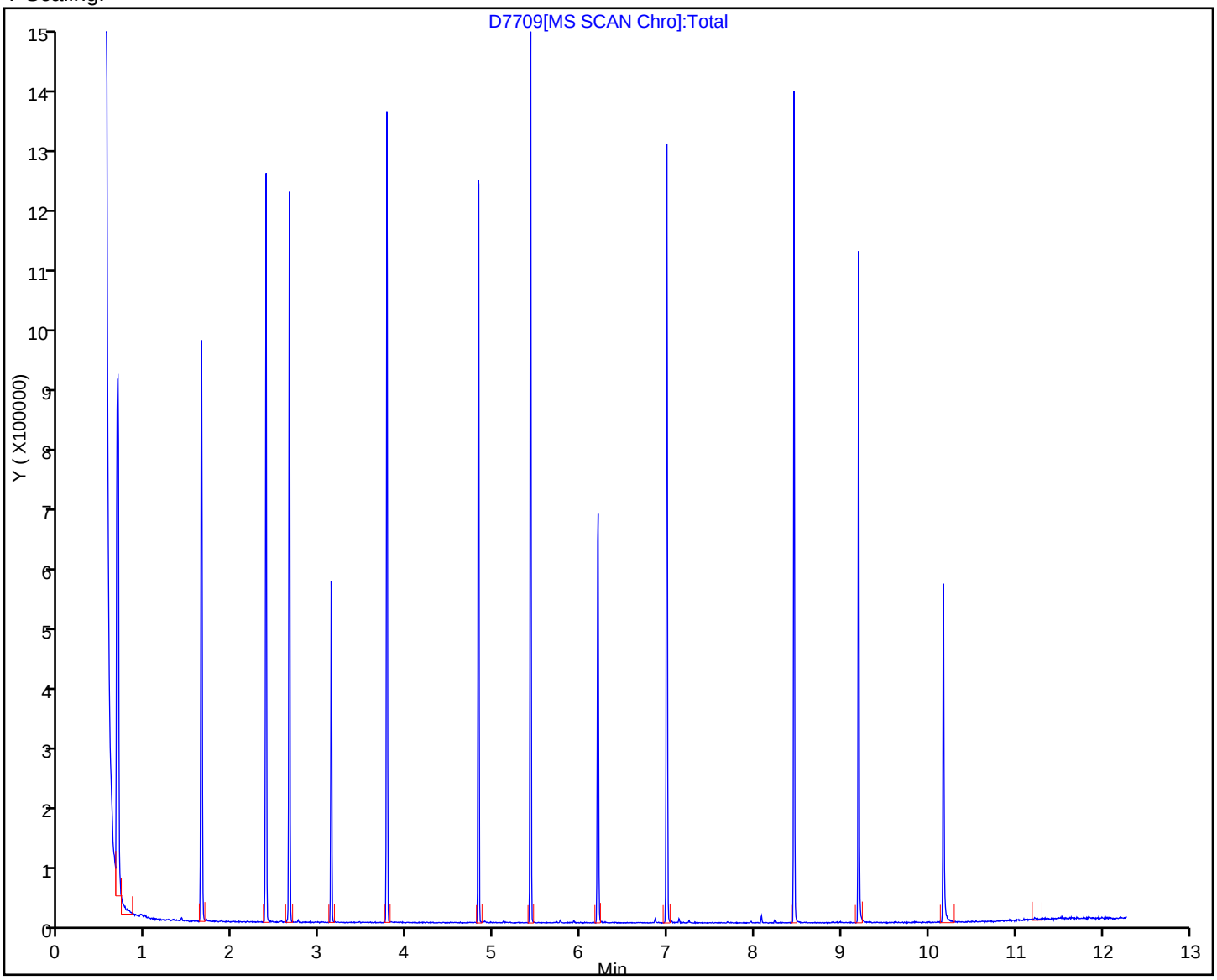
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 13:39:44 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7709.D

Injection Date:	11-Mar-2011 12:30:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 13:39:44 Chrom Revision: 1.2 29-Oct-2010 14:13:24

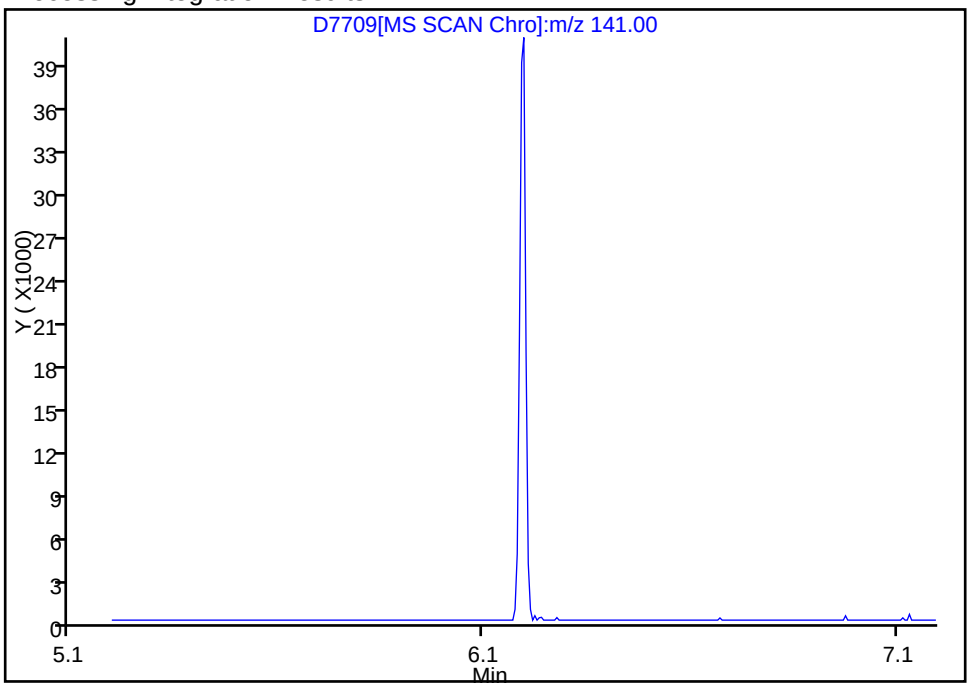
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7709.D		
Injection Date:	11-Mar-2011 12:30:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	10
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

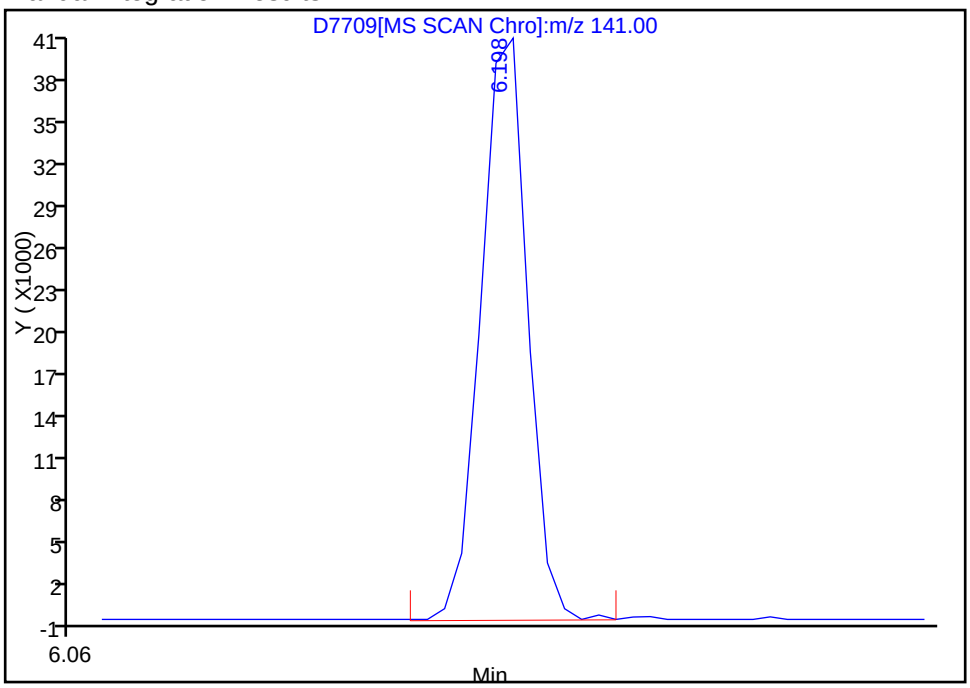
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 41350
Amount: 79.638916



Reviewer: squiresb, 11-Mar-2011 13:39:44
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77007/2-A

Matrix: Solid | Lab File ID: D7710.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 12:47

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.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.7		1.7	0.70
100-51-6	Benzyl alcohol	1.31		0.33	0.042
111-91-1	Bis(2-chloroethoxy)methane	1.28		0.33	0.032
111-44-4	Bis(2-chloroethyl)ether	1.04		0.33	0.060
39638-32-9	Bis(2-chloroisopropyl) ether	1.16		0.33	0.056
117-81-7	Bis(2-ethylhexyl) phthalate	1.84		0.66	0.10
101-55-3	4-Bromophenyl phenyl ether	1.38		0.33	0.047
85-68-7	Butyl benzyl phthalate	1.81		0.33	0.040
86-74-8	Carbazole	1.30		0.33	0.048
59-50-7	4-Chloro-3-methylphenol	1.39		0.33	0.041
91-58-7	2-Chloronaphthalene	1.23		0.33	0.031
95-57-8	2-Chlorophenol	1.24		0.33	0.060
7005-72-3	4-Chlorophenyl phenyl ether	1.36		0.33	0.031
132-64-9	Dibenzofuran	1.30		0.33	0.020
84-74-2	Dibutylphthalate	1.54		0.33	0.15
95-50-1	1,2-Dichlorobenzene	1.21		0.33	0.070
541-73-1	1,3-Dichlorobenzene	1.03		0.33	0.075
106-46-7	1,4-Dichlorobenzene	1.18		0.33	0.076
91-94-1	3,3'-Dichlorobenzidine	1.27		0.66	0.031
120-83-2	2,4-Dichlorophenol	1.23		0.33	0.042
84-66-2	Diethyl phthalate	1.53		0.33	0.035
105-67-9	2,4-Dimethylphenol	1.16		0.33	0.038
131-11-3	Dimethyl phthalate	1.41		0.33	0.031
534-52-1	4,6-Dinitro-2-methylphenol	1.57		0.66	0.065
51-28-5	2,4-Dinitrophenol	<1.7		1.7	0.025
121-14-2	2,4-Dinitrotoluene	1.47		0.33	0.060
606-20-2	2,6-Dinitrotoluene	1.38		0.33	0.051
117-84-0	Di-n-octyl phthalate	2.17		0.33	0.031
118-74-1	Hexachlorobenzene	1.41		0.33	0.020
87-68-3	Hexachloro-1,3-butadiene	1.35		0.33	0.047
77-47-4	Hexachlorocyclopentadiene	1.49		0.33	0.10
67-72-1	Hexachloroethane	1.22		0.33	0.069
78-59-1	Isophorone	1.34		0.33	0.030
91-57-6	2-Methylnaphthalene	1.30		0.33	0.027

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77007/2-A

Matrix: Solid | Lab File ID: D7710.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 12:47

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.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	1.26		0.33	0.043
15831-10-4	3 & 4 Methylphenol	1.27		0.33	0.036
88-74-4	2-Nitroaniline	1.32		0.66	0.066
99-09-2	3-Nitroaniline	1.43		0.66	0.068
100-01-6	4-Nitroaniline	1.34		0.66	0.060
98-95-3	Nitrobenzene	1.23		0.33	0.044
88-75-5	2-Nitrophenol	1.30		0.33	0.056
100-02-7	4-Nitrophenol	<1.7		1.7	0.081
62-75-9	N-Nitrosodimethylamine	0.851		0.33	0.065
621-64-7	N-Nitrosodi-n-propylamine	1.36		0.33	0.032
86-30-6	N-Nitrosodiphenylamine	1.31		0.33	0.063
106-47-8	p-Chloroaniline	1.52		0.33	0.032
87-86-5	Pentachlorophenol	1.46		0.66	0.059
108-95-2	Phenol	1.27		0.33	0.053
120-82-1	1,2,4-Trichlorobenzene	1.32		0.33	0.043
95-95-4	2,4,5-Trichlorophenol	1.44		0.33	0.086
88-06-2	2,4,6-Trichlorophenol	1.33		0.33	0.092

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	69		14-104
367-12-4	2-Fluorophenol	59		10-102
4165-60-0	Nitrobenzene-d5	72		10-105
4165-62-2	Phenol-d5	65		10-94
1718-51-0	Terphenyl-d14	95		31-119
118-79-6	2,4,6-Tribromophenol	94		10-128

Report Date: 11-Mar-2011 13:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7710.D
Lims ID: LCS 510-77007/2-A Client ID:
Inject. Date: 11-Mar-2011 12:47:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 77007
Misc. Info.: 510-0004516-011 =510-0004516-011
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 77240 Lims Sample ID: 11
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m
Last Update: 11-Mar-2011 10:27:10 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 11-Mar-2011 13:40:49

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
30 N-Nitrosodimethylamine	74	0.861	0.861	0.0	91	95662	25.5	
31 Pyridine	79	0.877	0.877	0.0	96	165967	24.2	
$ 32 2-Fluorophenol	112	1.635	1.641	-0.006	85	425949	58.7	
36 Aniline	93	2.378	2.378	0.0	0	331967	47.6	M
$ 34 Phenol-d5	99	2.383	2.384	-0.001	0	495406	65.1	
35 Phenol	94	2.394	2.394	0.0	93	283165	38.2	
37 Bis(2-chloroethyl)ether	93	2.458	2.453	0.005	97	192873	31.2	
38 2-Chlorophenol	128	2.469	2.469	0.0	90	274232	37.1	
39 1,3-Dichlorobenzene	146	2.592	2.592	0.0	97	298321	31.0	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	93	238713	40.0	
41 1,4-Dichlorobenzene	146	2.661	2.661	0.0	95	303274	35.5	
43 1,2-Dichlorobenzene	146	2.784	2.779	0.005	98	291957	36.3	
42 Benzyl alcohol	108	2.789	2.790	-0.001	83	170915	39.2	
44 2-Methylphenol	108	2.907	2.907	0.0	94	216148	37.7	
10 2,2'-oxybis(2-chloropropane)	45	2.923	2.923	0.0	0	179378	34.8	M
45 Acetophenone	105	3.008	3.009	-0.001	93	217644	29.3	
46 N-Nitrosodi-n-propylamine	70	3.035	3.035	0.0	97	141328	40.7	
47 3 & 4 Methylphenol	108	3.056	3.057	-0.001	0	220784	38.0	
48 Hexachloroethane	117	3.072	3.073	-0.001	87	107940	36.6	
$ 49 Nitrobenzene-d5	82	3.131	3.132	-0.001	83	213043	35.9	
50 Nitrobenzene	77	3.153	3.148	0.005	80	196870	36.8	
51 Isophorone	82	3.382	3.383	-0.001	94	353253	40.1	
52 2-Nitrophenol	139	3.436	3.436	0.0	85	160809	39.0	
53 2,4-Dimethylphenol	107	3.527	3.527	0.0	85	229082	34.8	
54 Bis(2-chloroethoxy)methane	93	3.617	3.618	-0.001	97	237874	38.5	
55 2,4-Dichlorophenol	162	3.665	3.666	-0.001	93	236459	37.0	
5 Benzoic acid	105	3.681	3.666	0.015	90	145724	31.5	
56 1,2,4-Trichlorobenzene	180	3.735	3.730	0.005	94	253786	39.6	
* 57 Naphthalene-d8	136	3.772	3.773	-0.001	99	736535	40.0	
58 Naphthalene	128	3.794	3.789	0.005	98	678110	37.2	
59 4-Chloroaniline	127	3.874	3.874	0.0	82	322397	45.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
60 Hexachlorobutadiene	225	3.938	3.938	0.0	94	147235	40.6	
61 4-Chloro-3-methylphenol	107	4.371	4.376	-0.005	87	220078	41.8	
62 2-Methylnaphthalene	141	4.445	4.376	0.069	55	442332	38.9	M
63 Hexachlorocyclopentadiene	237	4.606	4.606	0.0	89	116446	44.6	
64 2,4,6-Trichlorophenol	196	4.734	4.734	0.0	87	168896	39.9	
65 2,4,5-Trichlorophenol	196	4.761	4.766	-0.005	82	200041	43.3	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	97	535619	34.4	
67 2-Chloronaphthalene	162	4.900	4.900	0.0	96	483610	37.0	
68 2-Nitroaniline	65	5.022	5.023	-0.001	93	110518	39.7	
69 Dimethyl phthalate	163	5.257	5.252	0.005	95	580452	42.2	
70 2,6-Dinitrotoluene	165	5.290	5.284	0.006	32	151038	41.4	
71 Acenaphthylene	152	5.284	5.284	0.0	74	744708	37.5	
72 3-Nitroaniline	138	5.423	5.423	0.0	46	151331	42.8	
* 73 Acenaphthene-d10	164	5.428	5.423	0.005	93	450446	40.0	
74 Acenaphthene	153	5.455	5.455	0.0	89	471426	36.2	
75 2,4-Dinitrophenol	184	5.530	5.530	0.0	84	101737	46.6	
77 Dibenzofuran	168	5.626	5.626	0.0	93	673909	39.0	
78 4-Nitrophenol	109	5.637	5.637	0.0	72	67025	44.7	
76 2,4-Dinitrotoluene	165	5.658	5.658	0.0	87	193717	44.1	
79 Diethyl phthalate	149	5.947	5.942	0.005	97	573201	45.8	
80 Fluorene	166	5.952	5.952	0.0	80	558911	39.0	
81 4-Chlorophenyl phenyl ether	204	5.995	5.995	0.0	84	270693	40.8	
82 4-Nitroaniline	138	6.011	6.006	0.005	80	134894	40.2	
83 4,6-Dinitro-2-methylphenol	198	6.048	6.043	0.005	50	120496	47.1	
84 N-Nitrosodiphenylamine	169	6.128	6.123	0.005	0	504931	39.2	
85 1,2-Diphenylhydrazine	77	6.155	6.155	0.0	1	376553	37.0	
$ 86 2,4,6-Tribromophenol	141	6.203	6.198	0.005	0	68769	93.7	M
87 4-Bromophenyl phenyl ether	248	6.550	6.551	-0.001	54	154028	41.5	
88 Hexachlorobenzene	284	6.566	6.561	0.005	85	147207	42.2	
89 Pentachlorophenol	266	6.812	6.812	0.0	93	107677	43.7	
* 90 Phenanthrene-d10	188	6.994	6.994	0.0	98	686813	40.0	
91 Phenanthrene	178	7.015	7.015	0.0	95	740266	40.3	
92 Anthracene	178	7.068	7.069	-0.001	97	750031	39.8	
93 Carbazole	167	7.261	7.261	0.0	75	664395	38.9	
94 Di-n-butyl phthalate	149	7.694	7.694	0.0	98	862780	46.3	
95 Fluoranthene	202	8.094	8.094	0.0	98	740328	39.6	
96 Benzidine	184	8.254	8.255	-0.001	96	264511	105.3	
97 Pyrene	202	8.270	8.271	-0.001	93	736560	49.6	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	97	444310	47.6	
99 Butyl benzyl phthalate	149	8.869	8.869	0.0	92	354374	54.3	
101 Benzo[a]anthracene	228	9.195	9.195	0.0	99	609629	47.0	
* 103 Chrysene-d12	240	9.200	9.200	0.0	96	409310	40.0	
100 3,3'-Dichlorobenzidine	252	9.205	9.211	-0.006	80	162189	38.0	
104 Chrysene	228	9.216	9.216	0.0	97	485769	38.6	
102 Bis(2-ethylhexyl) phthalate	149	9.323	9.323	0.0	90	427151	55.3	
105 Di-n-octyl phthalate	149	9.772	9.772	0.0	0	628833	65.1	
106 Benzo[b]fluoranthene	252	9.927	9.927	0.0	98	358739	42.9	
107 Benzo[k]fluoranthene	252	9.943	9.948	-0.005	86	484206	52.2	
108 Benzo[a]pyrene	252	10.124	10.130	-0.006	96	343812	42.6	
* 109 Perylene-d12	264	10.162	10.167	-0.005	95	235549	40.0	
110 Indeno[1,2,3-cd]pyrene	276	10.792	10.808	-0.016	93	319237	42.2	
111 Dibenz(a,h)anthracene	278	10.813	10.824	-0.011	96	262599	42.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
24 Benzo[g,h,i]perylene	276	10.936	10.953	-0.017	97	268711	40.4	

QC Flag Legend

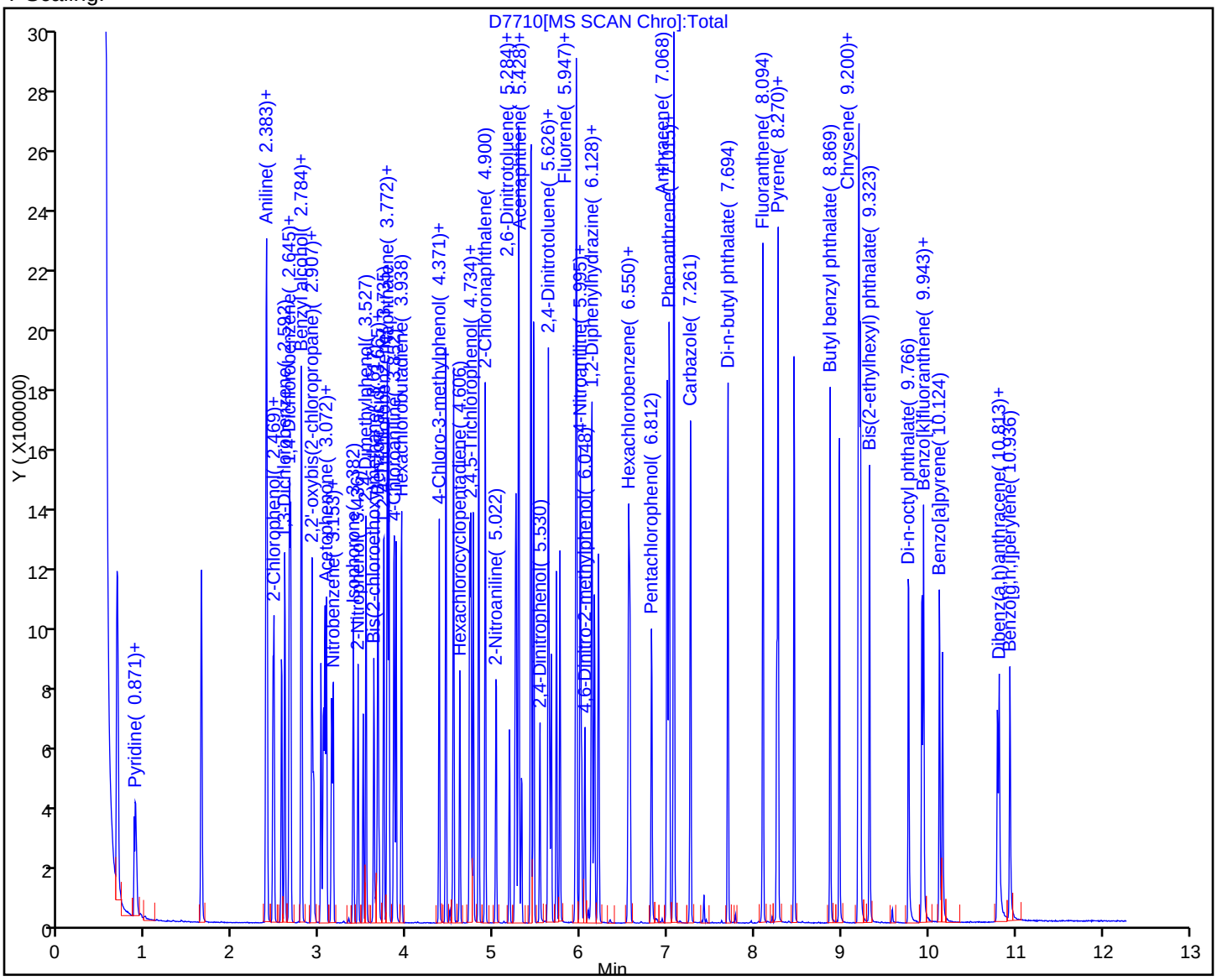
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 13:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7710.D

Injection Date:	11-Mar-2011 12:47:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 13:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

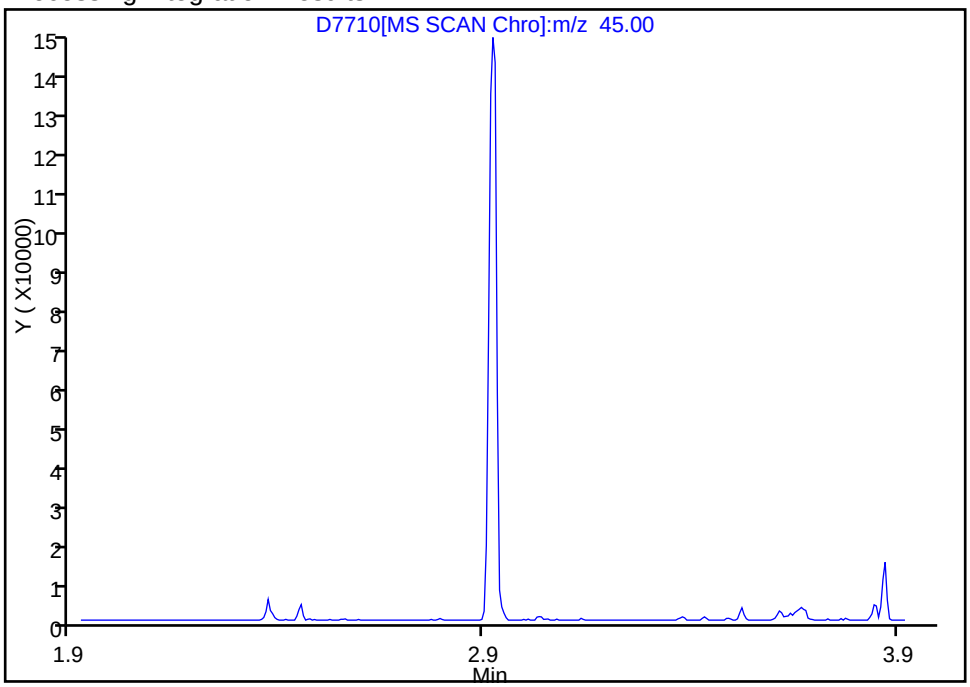
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7710.D		
Injection Date:	11-Mar-2011 12:47:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 2.92

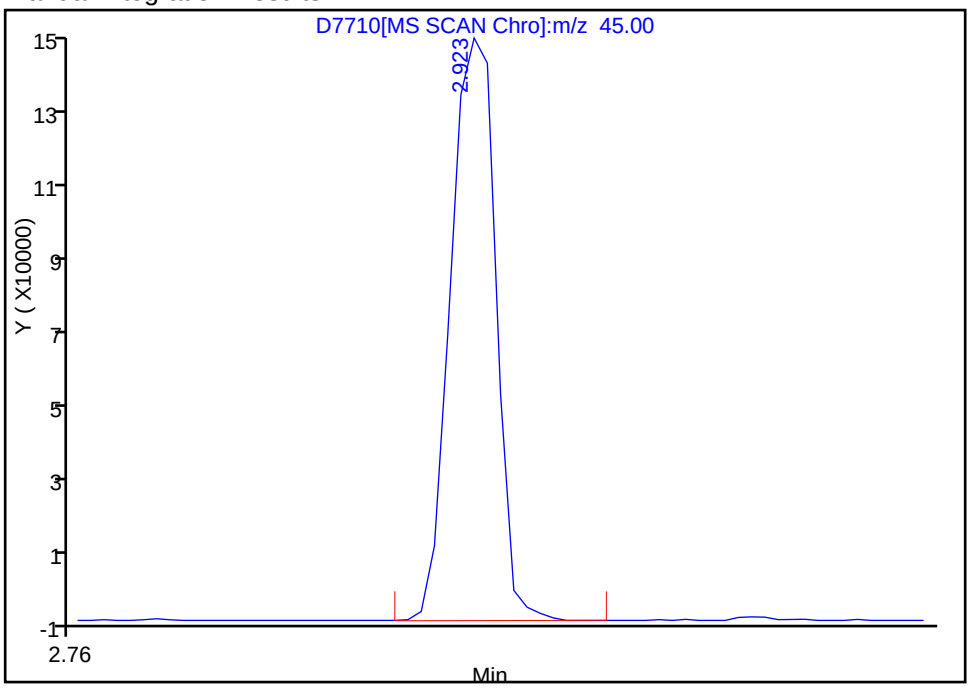
Processing Integration Results

Not Detected
Expected RT: 2.92



Manual Integration Results

RT: 2.92
Response: 179378
Amount: 34.825202



Reviewer: squiresb, 11-Mar-2011 13:40:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 13:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

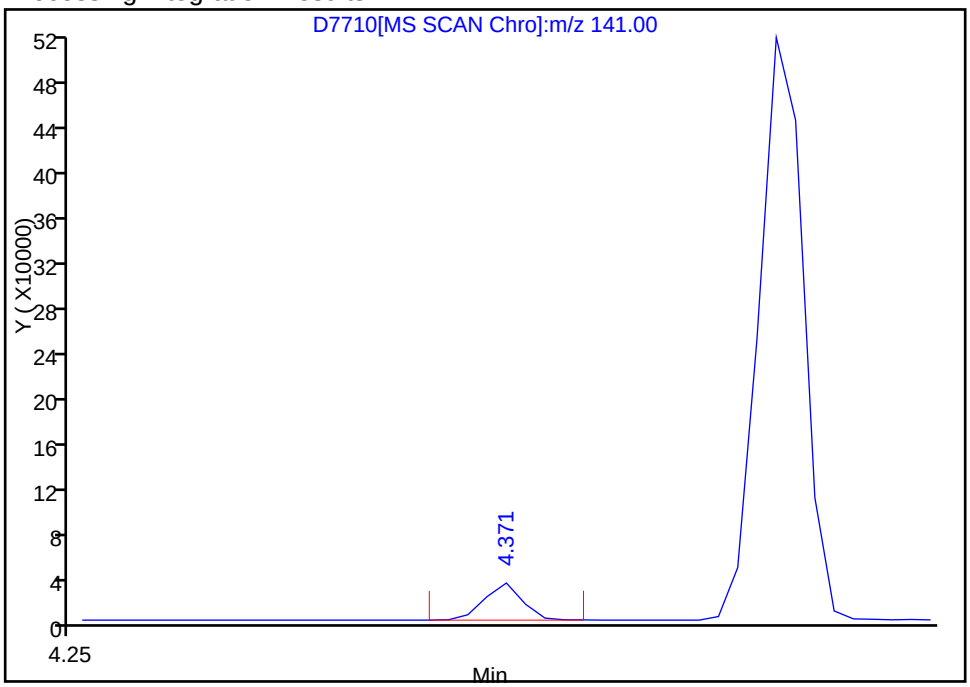
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7710.D		
Injection Date:	11-Mar-2011 12:47:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

62 2-Methylnaphthalene, Signal: 2, m/z: 141.0 Type: quant, RT: 4.38

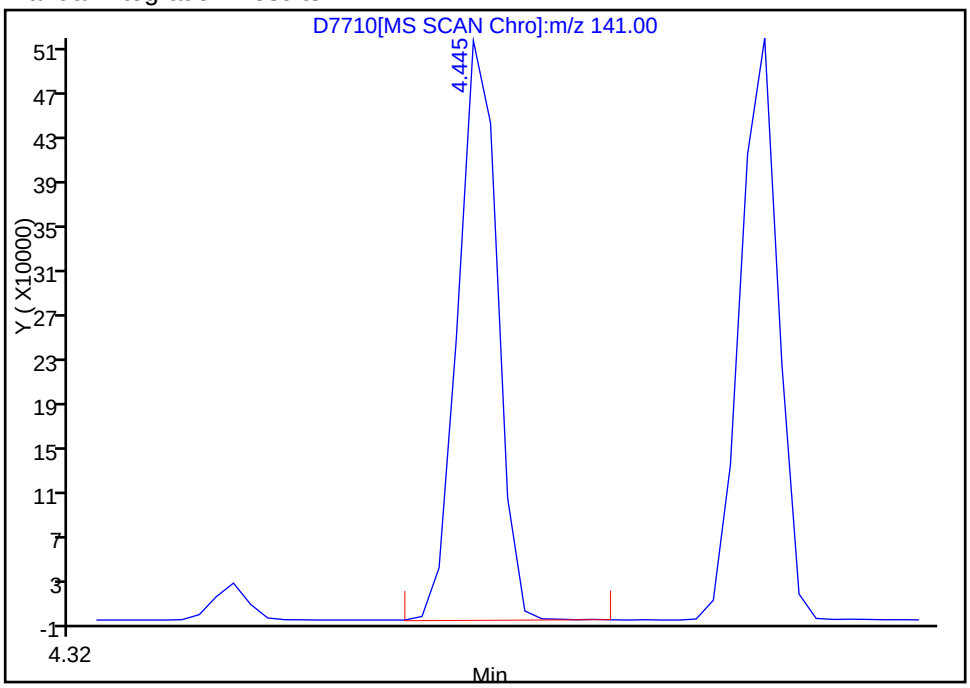
Processing Integration Results

RT: 4.37
Response: 24100
Amount: 2.121245



Manual Integration Results

RT: 4.45
Response: 442332
Amount: 38.933388



Reviewer: squiresb, 11-Mar-2011 13:40:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 13:40:50 Chrom Revision: 1.2 29-Oct-2010 14:13:24

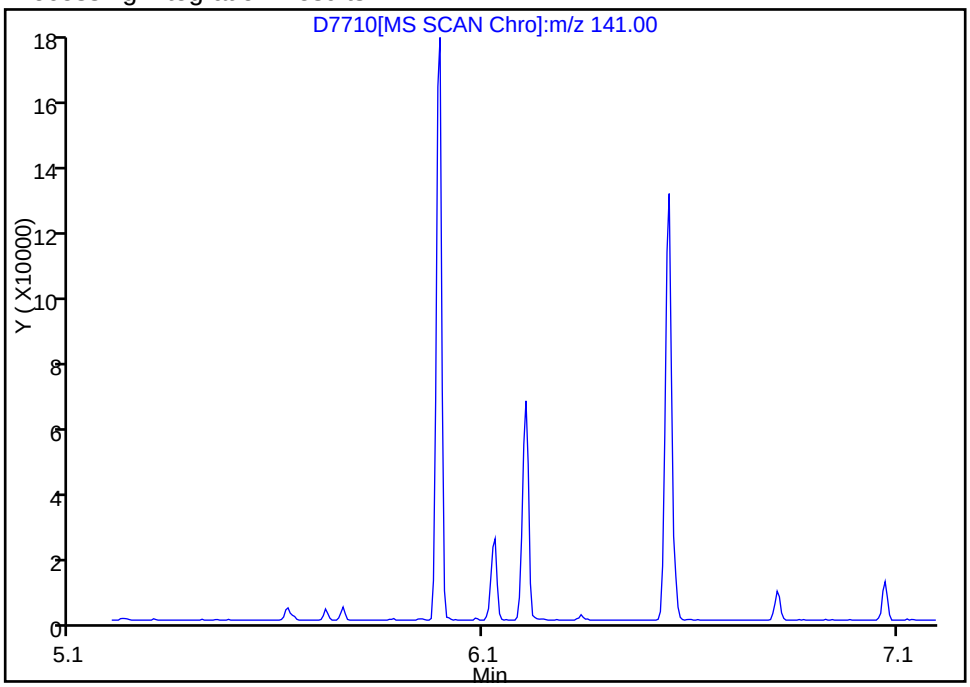
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7710.D		
Injection Date:	11-Mar-2011 12:47:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:		Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	11
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

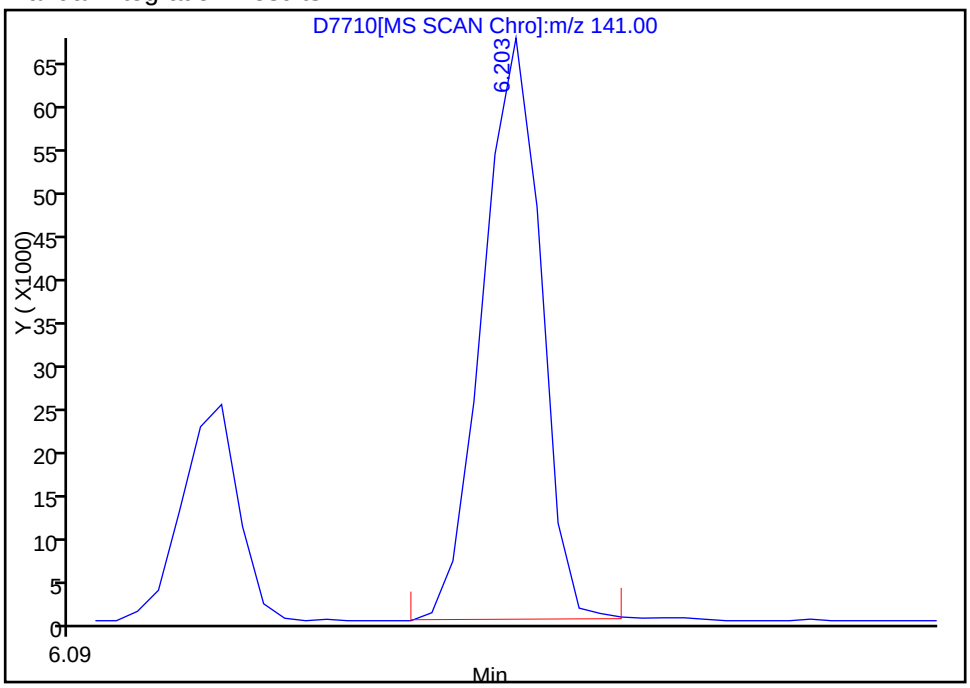
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 68769
Amount: 93.656489



Reviewer: squiresb, 11-Mar-2011 13:40:49
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: D7712.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.85(g) | Date Analyzed: 03/11/2011 13:23

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.8		1.8	0.77
100-51-6	Benzyl alcohol	1.34		0.36	0.047
111-91-1	Bis(2-chloroethoxy)methane	1.36		0.36	0.035
111-44-4	Bis(2-chloroethyl)ether	1.11		0.36	0.067
39638-32-9	Bis(2-chloroisopropyl) ether	1.19		0.36	0.062
117-81-7	Bis(2-ethylhexyl) phthalate	2.13		0.73	0.11
101-55-3	4-Bromophenyl phenyl ether	1.50		0.36	0.052
85-68-7	Butyl benzyl phthalate	2.07		0.36	0.044
86-74-8	Carbazole	1.37		0.36	0.052
59-50-7	4-Chloro-3-methylphenol	1.40		0.36	0.045
91-58-7	2-Chloronaphthalene	1.38		0.36	0.034
95-57-8	2-Chlorophenol	1.26		0.36	0.066
7005-72-3	4-Chlorophenyl phenyl ether	1.50		0.36	0.034
132-64-9	Dibenzofuran	1.45		0.36	0.022
84-74-2	Dibutylphthalate	1.70		0.36	0.16
95-50-1	1,2-Dichlorobenzene	1.19		0.36	0.077
541-73-1	1,3-Dichlorobenzene	1.10		0.36	0.082
106-46-7	1,4-Dichlorobenzene	1.16		0.36	0.084
91-94-1	3,3'-Dichlorobenzidine	1.35		0.73	0.034
120-83-2	2,4-Dichlorophenol	1.32		0.36	0.047
84-66-2	Diethyl phthalate	1.65		0.36	0.039
105-67-9	2,4-Dimethylphenol	1.12		0.36	0.041
131-11-3	Dimethyl phthalate	1.58		0.36	0.034
534-52-1	4,6-Dinitro-2-methylphenol	1.25		0.73	0.071
51-28-5	2,4-Dinitrophenol	<1.8		1.8	0.027
121-14-2	2,4-Dinitrotoluene	1.54		0.36	0.066
606-20-2	2,6-Dinitrotoluene	1.50		0.36	0.056
117-84-0	Di-n-octyl phthalate	2.28		0.36	0.035
118-74-1	Hexachlorobenzene	1.46		0.36	0.022
87-68-3	Hexachloro-1,3-butadiene	1.29		0.36	0.052
77-47-4	Hexachlorocyclopentadiene	1.60		0.36	0.11
67-72-1	Hexachloroethane	1.14		0.36	0.076
78-59-1	Isophorone	1.43		0.36	0.033
91-57-6	2-Methylnaphthalene	1.38		0.36	0.030

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: D7712.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.85(g) | Date Analyzed: 03/11/2011 13:23

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	1.25		0.36	0.047
15831-10-4	3 & 4 Methylphenol	1.30		0.36	0.040
88-74-4	2-Nitroaniline	1.41		0.73	0.073
99-09-2	3-Nitroaniline	1.50		0.73	0.075
100-01-6	4-Nitroaniline	1.35		0.73	0.066
98-95-3	Nitrobenzene	1.26		0.36	0.048
88-75-5	2-Nitrophenol	1.34		0.36	0.062
100-02-7	4-Nitrophenol	<1.8		1.8	0.089
62-75-9	N-Nitrosodimethylamine	0.897		0.36	0.072
621-64-7	N-Nitrosodi-n-propylamine	1.40		0.36	0.035
86-30-6	N-Nitrosodiphenylamine	1.40		0.36	0.070
106-47-8	p-Chloroaniline	1.54		0.36	0.036
87-86-5	Pentachlorophenol	1.24		0.73	0.065
108-95-2	Phenol	1.28		0.36	0.058
120-82-1	1,2,4-Trichlorobenzene	1.32		0.36	0.047
95-95-4	2,4,5-Trichlorophenol	1.53		0.36	0.095
88-06-2	2,4,6-Trichlorophenol	1.44		0.36	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	69		14-104
367-12-4	2-Fluorophenol	51		10-102
4165-60-0	Nitrobenzene-d5	67		10-105
4165-62-2	Phenol-d5	58		10-94
1718-51-0	Terphenyl-d14	98		31-119
118-79-6	2,4,6-Tribromophenol	83		10-128

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D
Lims ID: 510-62781-J-1-E MS Client ID: SB0058:TP1:000020
Inject. Date: 11-Mar-2011 13:23:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 510-62781-1MS
Misc. Info.: 510-0004516-013 =510-0004516-013
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 77240 Lims Sample ID: 13
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m
Last Update: 11-Mar-2011 10:27:10 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 11-Mar-2011 13:44:06

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
30 N-Nitrosodimethylamine	74	0.861	0.861	0.0	92	76016	24.4	
31 Pyridine	79	0.877	0.877	0.0	95	118966	20.8	
$ 32 2-Fluorophenol	112	1.636	1.641	-0.005	84	311048	51.6	
36 Aniline	93	2.378	2.378	0.0	84	246286	42.5	
$ 34 Phenol-d5	99	2.384	2.384	0.0	0	369397	58.4	
35 Phenol	94	2.389	2.394	-0.005	92	215059	34.9	
37 Bis(2-chloroethyl)ether	93	2.458	2.453	0.005	97	155721	30.3	
38 2-Chlorophenol	128	2.469	2.469	0.0	90	211191	34.4	
39 1,3-Dichlorobenzene	146	2.592	2.592	0.0	98	223043	29.9	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	92	198383	40.0	
41 1,4-Dichlorobenzene	146	2.661	2.661	0.0	96	223880	31.5	
43 1,2-Dichlorobenzene	146	2.779	2.779	0.0	98	217177	32.5	
42 Benzyl alcohol	108	2.790	2.790	0.0	84	131815	36.4	
44 2-Methylphenol	108	2.907	2.907	0.0	92	162780	34.1	
10 2,2'-oxybis(2-chloropropane)	45	2.923	2.923	0.0	0	138251	32.3	M
45 Acetophenone	105	3.009	3.009	0.0	92	175787	28.5	
46 N-Nitrosodi-n-propylamine	70	3.035	3.035	0.0	97	110415	38.3	
47 3 & 4 Methylphenol	108	3.051	3.057	-0.006	0	171179	35.5	
48 Hexachloroethane	117	3.073	3.073	0.0	87	75941	31.0	
$ 49 Nitrobenzene-d5	82	3.132	3.132	0.0	83	164751	33.6	
50 Nitrobenzene	77	3.148	3.148	0.0	83	151608	34.3	
51 Isophorone	82	3.383	3.383	0.0	93	282786	38.8	
52 2-Nitrophenol	139	3.436	3.436	0.0	83	124005	36.4	
53 2,4-Dimethylphenol	107	3.527	3.527	0.0	85	166909	30.6	
54 Bis(2-chloroethoxy)methane	93	3.618	3.618	0.0	97	190079	37.0	
55 2,4-Dichlorophenol	162	3.666	3.666	0.0	94	178836	36.0	
5 Benzoic acid	105	3.666	3.666	0.0	32	99135	26.0	
56 1,2,4-Trichlorobenzene	180	3.730	3.730	0.0	95	190661	36.0	
* 57 Naphthalene-d8	136	3.773	3.773	0.0	98	608749	40.0	
58 Naphthalene	128	3.789	3.789	0.0	98	540136	35.8	
59 4-Chloroaniline	127	3.874	3.874	0.0	81	245788	41.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
60 Hexachlorobutadiene	225	3.938	3.938	0.0	95	105209	35.1	
61 4-Chloro-3-methylphenol	107	4.371	4.376	-0.005	87	166118	38.2	
62 2-Methylnaphthalene	141	4.446	4.376	0.070	66	351650	37.4	M
63 Hexachlorocyclopentadiene	237	4.606	4.606	0.0	90	88325	43.6	
64 2,4,6-Trichlorophenol	196	4.734	4.734	0.0	88	129172	39.3	
65 2,4,5-Trichlorophenol	196	4.761	4.766	-0.005	80	149042	41.6	
S 3 Methyl Phenols,Total	100				0		69.6	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	98	417134	34.5	
67 2-Chloronaphthalene	162	4.900	4.900	0.0	96	380765	37.5	
68 2-Nitroaniline	65	5.023	5.023	0.0	92	83098	38.5	
69 Dimethyl phthalate	163	5.252	5.252	0.0	97	459487	43.0	
70 2,6-Dinitrotoluene	165	5.284	5.284	0.0	42	115204	40.7	
71 Acenaphthylene	152	5.284	5.284	0.0	74	598120	38.9	
72 3-Nitroaniline	138	5.423	5.423	0.0	47	112292	40.9	
* 73 Acenaphthene-d10	164	5.429	5.423	0.006	92	349271	40.0	
74 Acenaphthene	153	5.455	5.455	0.0	89	373977	37.1	
75 2,4-Dinitrophenol	184	5.530	5.530	0.0	83	47688	28.2	
77 Dibenzofuran	168	5.626	5.626	0.0	94	528787	39.5	
78 4-Nitrophenol	109	5.637	5.637	0.0	0	43096	37.0	M
76 2,4-Dinitrotoluene	165	5.658	5.658	0.0	85	143174	42.0	
79 Diethyl phthalate	149	5.942	5.942	0.0	98	436636	45.0	
80 Fluorene	166	5.952	5.952	0.0	81	435719	39.2	
81 4-Chlorophenyl phenyl ether	204	5.995	5.995	0.0	84	210589	40.9	
82 4-Nitroaniline	138	6.006	6.006	0.0	81	95474	36.7	
83 4,6-Dinitro-2-methylphenol	198	6.043	6.043	0.0	69	64916	33.9	
84 N-Nitrosodiphenylamine	169	6.123	6.123	0.0	0	367533	38.1	
85 1,2-Diphenylhydrazine	77	6.155	6.155	0.0	1	305833	40.1	
$ 86 2,4,6-Tribromophenol	141	6.203	6.198	0.005	0	47401	83.3	M
87 4-Bromophenyl phenyl ether	248	6.551	6.551	0.0	53	113488	40.9	
88 Hexachlorobenzene	284	6.561	6.561	0.0	84	103841	39.8	
89 Pentachlorophenol	266	6.812	6.812	0.0	92	62088	33.7	
* 90 Phenanthrene-d10	188	6.994	6.994	0.0	97	513764	40.0	
91 Phenanthrene	178	7.015	7.015	0.0	96	559347	40.7	
92 Anthracene	178	7.069	7.069	0.0	97	557161	39.6	
16 4,4'-DDD	235	7.416	7.230	0.186	42	2584	0	
93 Carbazole	167	7.261	7.261	0.0	94	480097	37.4	
94 Di-n-butyl phthalate	149	7.694	7.694	0.0	98	643850	46.2	
95 Fluoranthene	202	8.095	8.094	0.001	98	522429	37.4	
96 Benzidine	184	8.255	8.255	0.0	96	81516	48.8	
97 Pyrene	202	8.271	8.271	0.0	92	517608	52.4	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	98	305227	49.1	
99 Butyl benzyl phthalate	149	8.869	8.869	0.0	91	245056	56.4	
101 Benzo[a]anthracene	228	9.195	9.195	0.0	99	335357	38.8	
* 103 Chrysene-d12	240	9.200	9.200	0.0	97	272174	40.0	
100 3,3'-Dichlorobenzidine	252	9.206	9.211	-0.005	98	104057	36.7	
104 Chrysene	228	9.216	9.216	0.0	82	367518	44.0	
102 Bis(2-ethylhexyl) phthalate	149	9.323	9.323	0.0	89	298374	58.1	
105 Di-n-octyl phthalate	149	9.767	9.772	-0.005	0	435241	62.2	
106 Benzo[b]fluoranthene	252	9.922	9.927	-0.005	99	287233	47.5	
107 Benzo[k]fluoranthene	252	9.938	9.948	-0.010	84	298420	44.5	
108 Benzo[a]pyrene	252	10.125	10.130	-0.005	98	254063	43.5	
4 Methylene diphenyl diisocyanate	250	10.125	10.162	-0.037	15	60402	0	

Report Date: 11-Mar-2011 13:44:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 109 Perylene-d12	264	10.157	10.167	-0.010	95	170520	40.0	
110 Indeno[1,2,3-cd]pyrene	276	10.787	10.808	-0.021	95	231277	42.2	
111 Dibenz(a,h)anthracene	278	10.808	10.824	-0.016	98	187065	41.4	
24 Benzo[g,h,i]perylene	276	10.931	10.953	-0.022	99	196386	40.8	

QC Flag Legend

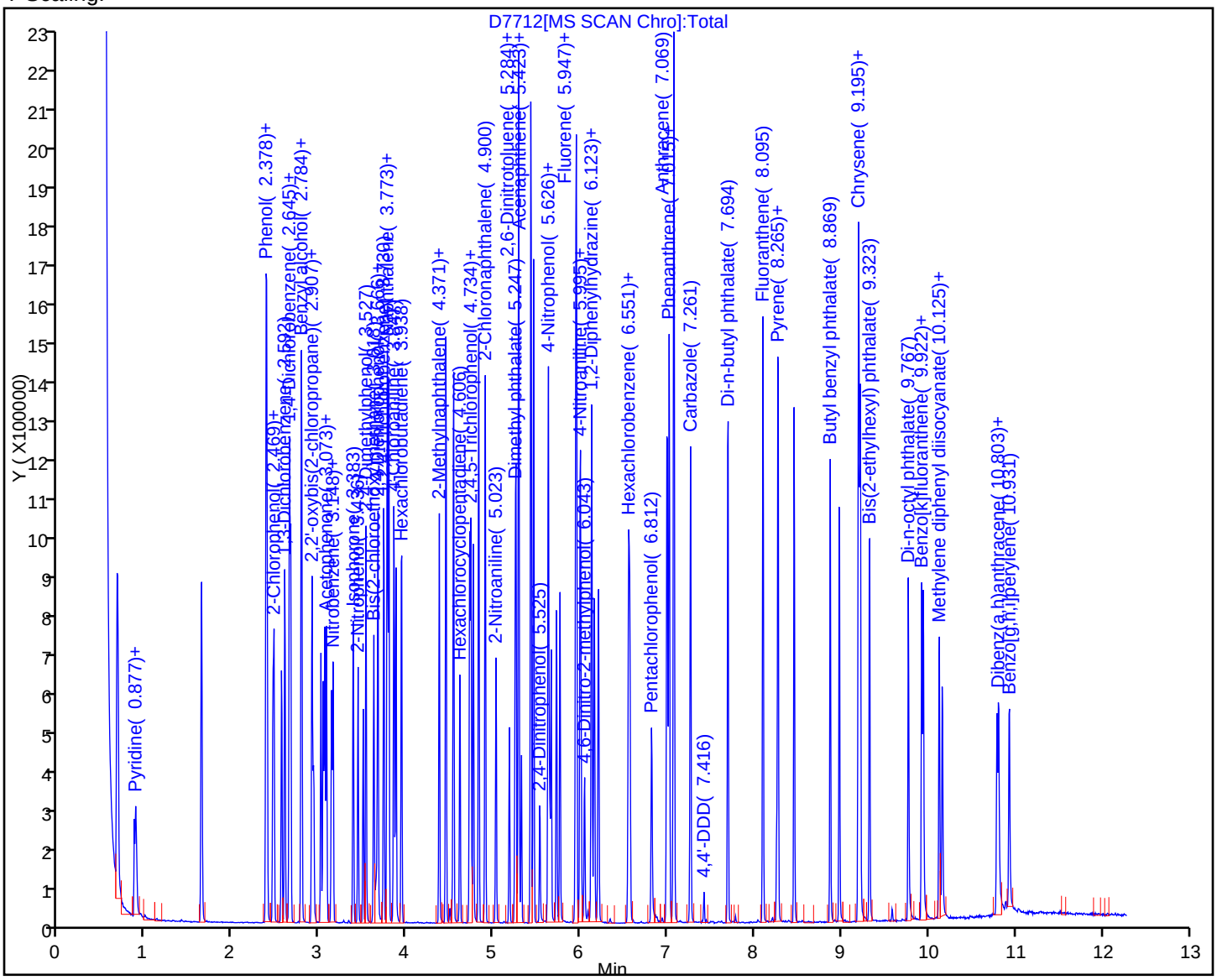
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 13:44:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D

Injection Date:	11-Mar-2011 13:23:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	13
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 13:44:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

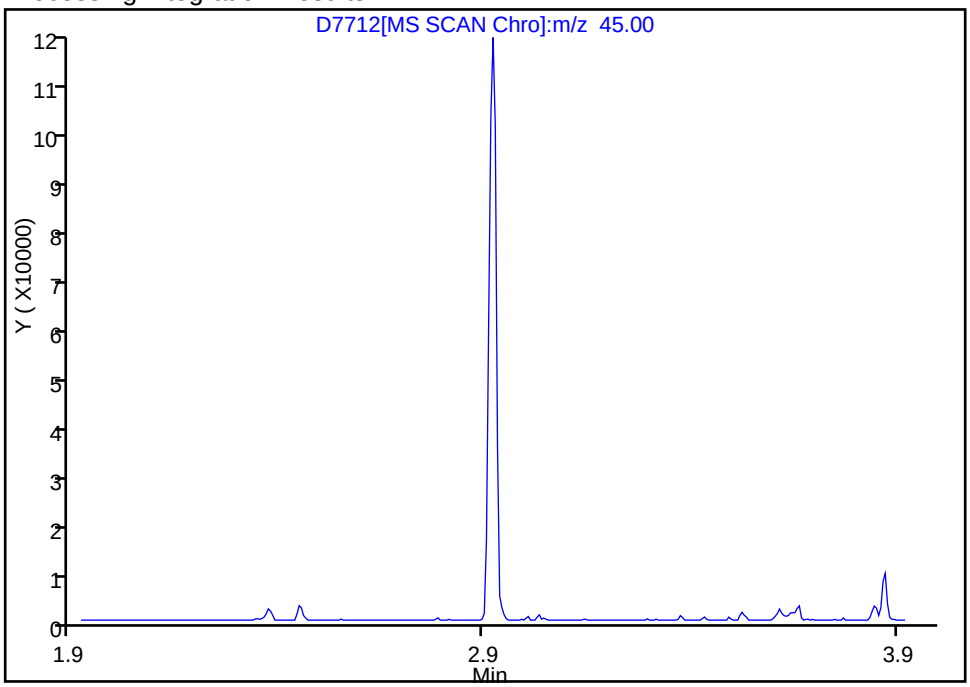
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D		
Injection Date:	11-Mar-2011 13:23:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	13
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 2.92

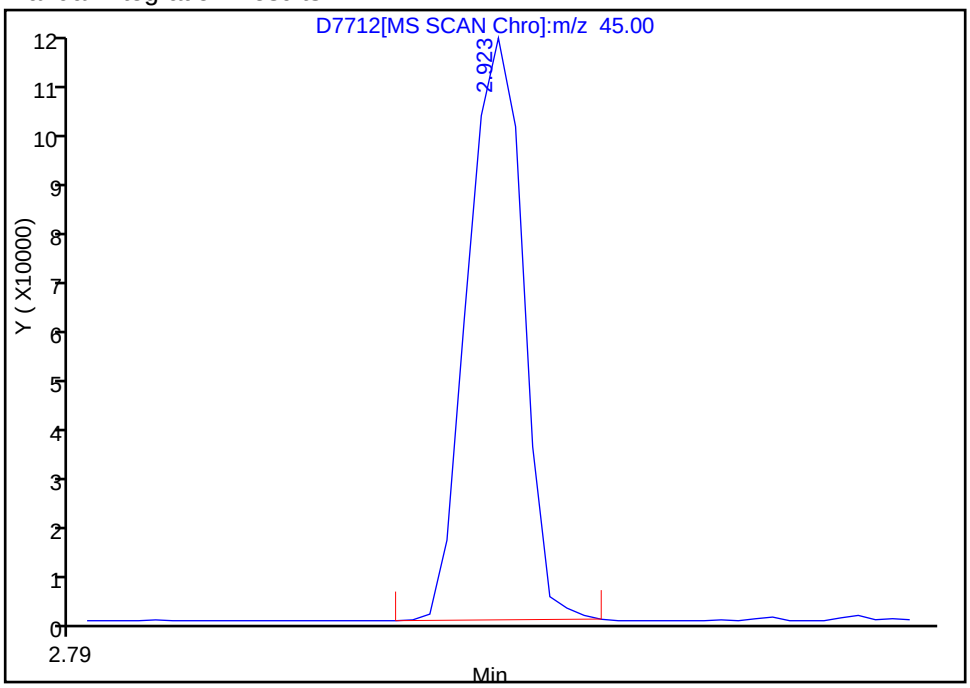
Processing Integration Results

Not Detected
Expected RT: 2.92



Manual Integration Results

RT: 2.92
Response: 138251
Amount: 32.297162



Reviewer: squiresb, 11-Mar-2011 13:44:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 13:44:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

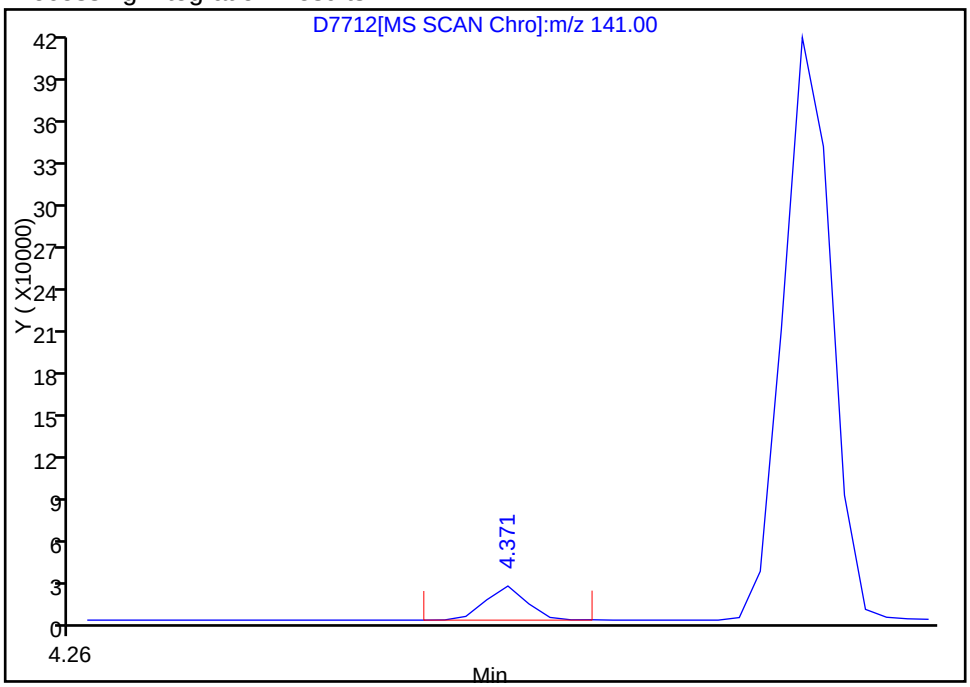
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D		
Injection Date:	11-Mar-2011 13:23:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	13
Operator ID:	WDS	Injection Vol:	1.00 ul

62 2-Methylnaphthalene, Signal: 2, m/z: 141.0 Type: quant, RT: 4.38

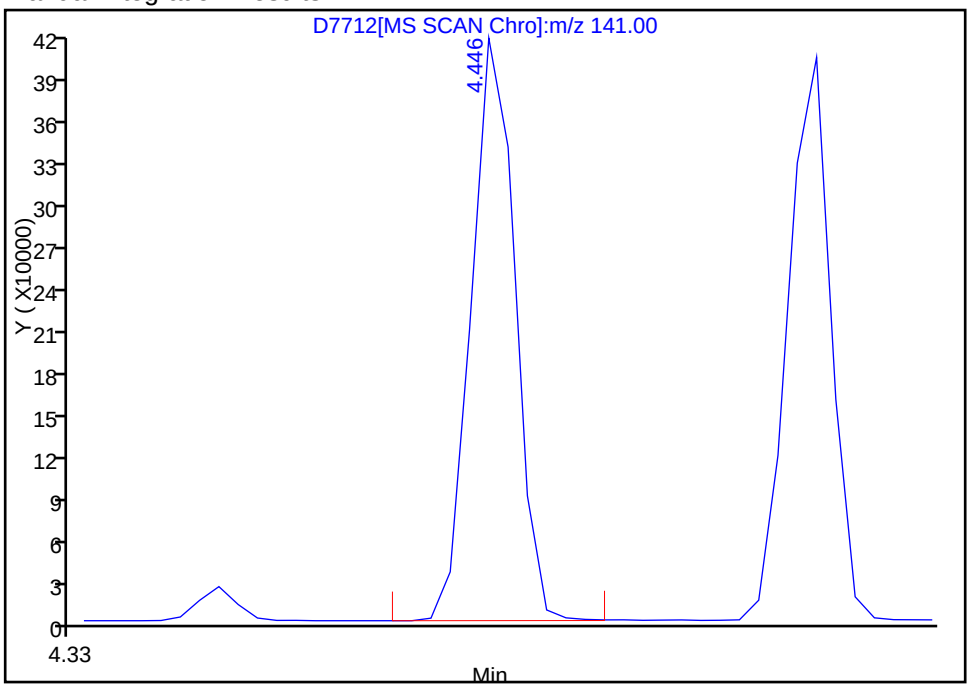
Processing Integration Results

RT: 4.37
Response: 17832
Amount: 1.899018



Manual Integration Results

RT: 4.45
Response: 351650
Amount: 37.448945



Reviewer: squiresb, 11-Mar-2011 13:44:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 13:44:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

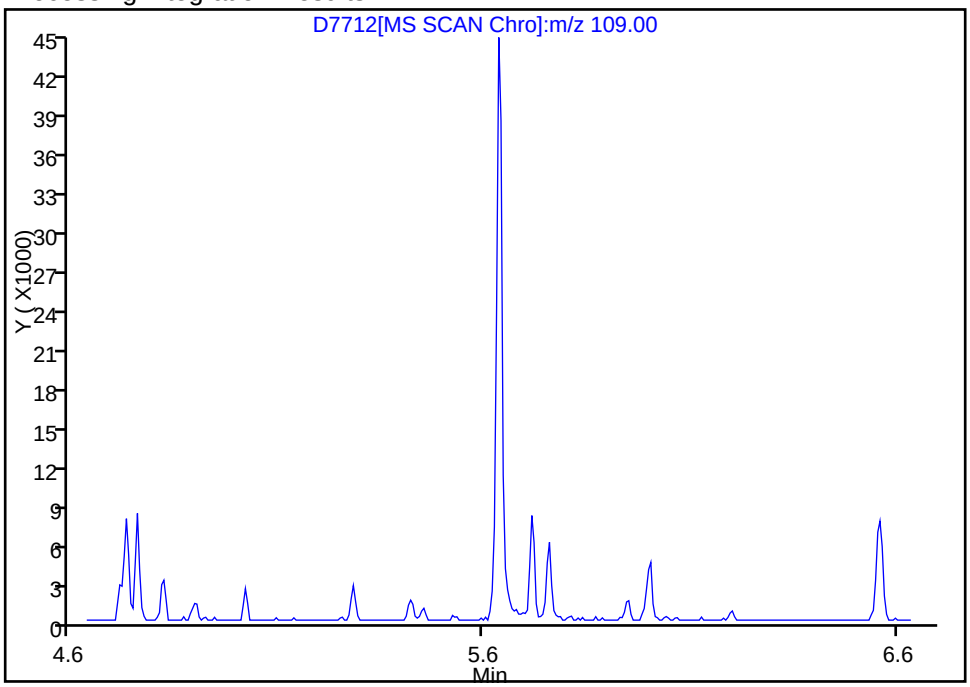
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D		
Injection Date:	11-Mar-2011 13:23:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	13
Operator ID:	WDS	Injection Vol:	1.00 ul

78 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 5.64

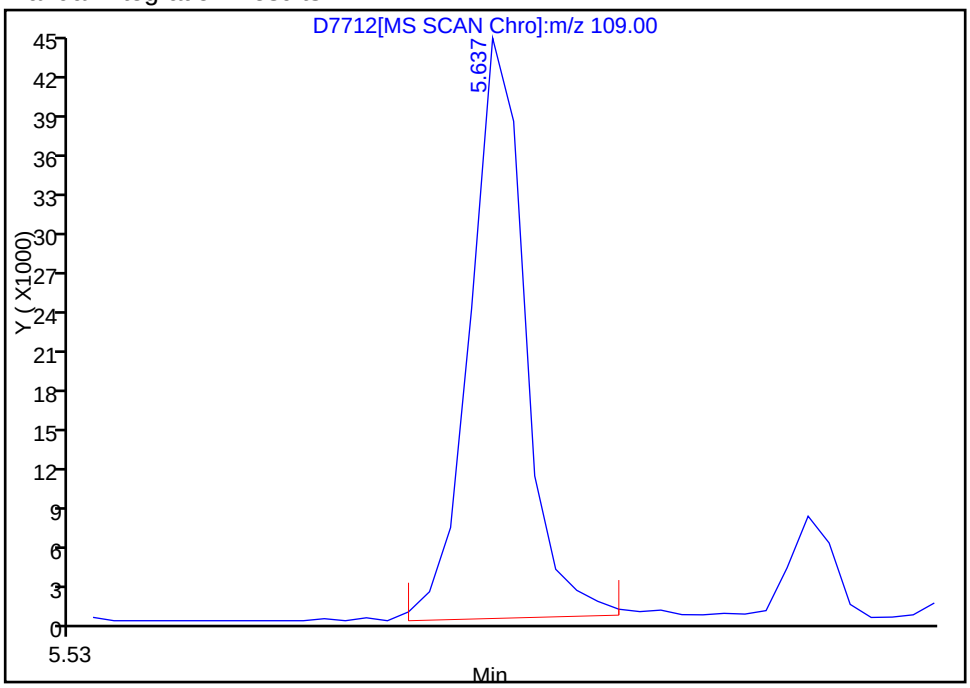
Not Detected
Expected RT: 5.64

Processing Integration Results



Manual Integration Results

RT: 5.64
Response: 43096
Amount: 37.042635



Reviewer: squiresb, 11-Mar-2011 13:44:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 13:44:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

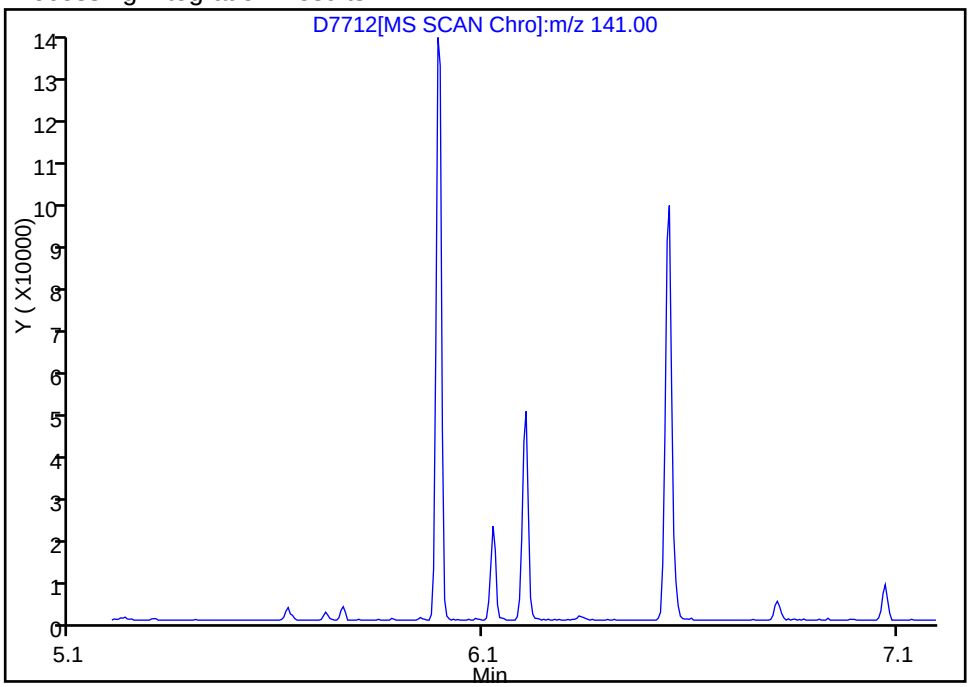
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7712.D		
Injection Date:	11-Mar-2011 13:23:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	13
Operator ID:	WDS	Injection Vol:	1.00 ul

$ 86 2,4,6-Tribromophenol, Signal: 3, m/z: 141.0 Type: quant, RT: 6.20

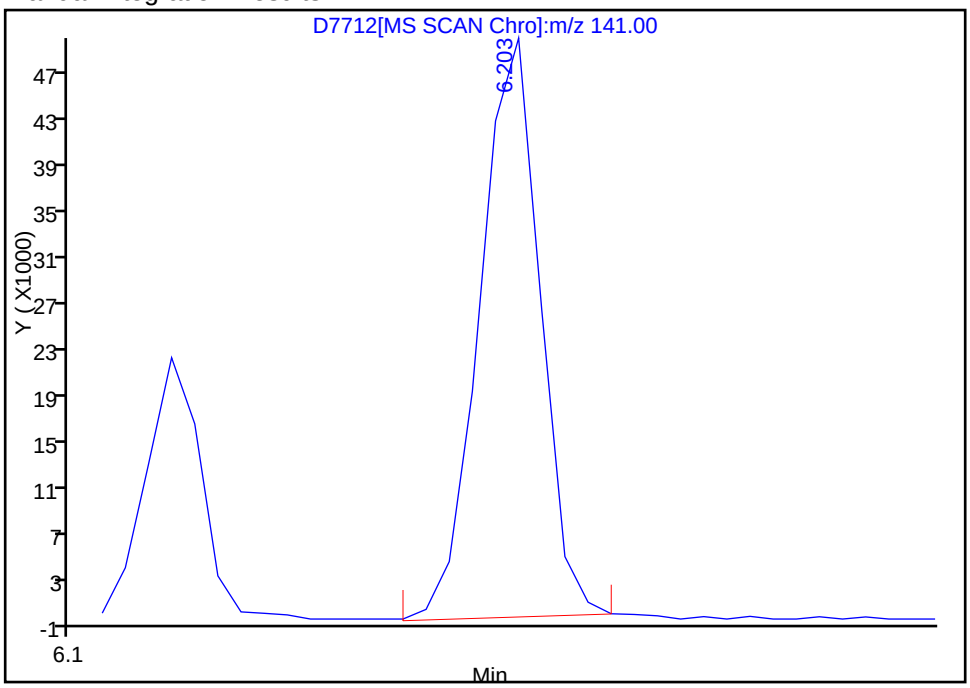
Processing Integration Results

Not Detected
Expected RT: 6.20



Manual Integration Results

RT: 6.20
Response: 47401
Amount: 83.255489



Reviewer: squiresb, 11-Mar-2011 13:44:06
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: D7713.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.06(g) | Date Analyzed: 03/11/2011 13:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
65-85-0	Benzoic acid	<1.9		1.9	0.79
100-51-6	Benzyl alcohol	1.41		0.37	0.048
111-91-1	Bis(2-chloroethoxy)methane	1.42		0.37	0.036
111-44-4	Bis(2-chloroethyl)ether	1.15		0.37	0.068
39638-32-9	Bis(2-chloroisopropyl) ether	1.26		0.37	0.064
117-81-7	Bis(2-ethylhexyl) phthalate	2.07		0.75	0.11
101-55-3	4-Bromophenyl phenyl ether	1.56		0.37	0.053
85-68-7	Butyl benzyl phthalate	1.99		0.37	0.045
86-74-8	Carbazole	1.39		0.37	0.054
59-50-7	4-Chloro-3-methylphenol	1.49		0.37	0.046
91-58-7	2-Chloronaphthalene	1.37		0.37	0.035
95-57-8	2-Chlorophenol	1.38		0.37	0.068
7005-72-3	4-Chlorophenyl phenyl ether	1.48		0.37	0.035
132-64-9	Dibenzofuran	1.43		0.37	0.022
84-74-2	Dibutylphthalate	1.67		0.37	0.17
95-50-1	1,2-Dichlorobenzene	1.29		0.37	0.079
541-73-1	1,3-Dichlorobenzene	1.18		0.37	0.085
106-46-7	1,4-Dichlorobenzene	1.24		0.37	0.086
91-94-1	3,3'-Dichlorobenzidine	1.34		0.75	0.034
120-83-2	2,4-Dichlorophenol	1.38		0.37	0.048
84-66-2	Diethyl phthalate	1.66		0.37	0.040
105-67-9	2,4-Dimethylphenol	1.23		0.37	0.042
131-11-3	Dimethyl phthalate	1.59		0.37	0.035
534-52-1	4,6-Dinitro-2-methylphenol	1.46		0.75	0.073
51-28-5	2,4-Dinitrophenol	<1.9		1.9	0.028
121-14-2	2,4-Dinitrotoluene	1.55		0.37	0.068
606-20-2	2,6-Dinitrotoluene	1.53		0.37	0.058
117-84-0	Di-n-octyl phthalate	2.27		0.37	0.035
118-74-1	Hexachlorobenzene	1.53		0.37	0.023
87-68-3	Hexachloro-1,3-butadiene	1.42		0.37	0.053
77-47-4	Hexachlorocyclopentadiene	1.64		0.37	0.11
67-72-1	Hexachloroethane	1.28		0.37	0.078
78-59-1	Isophorone	1.49		0.37	0.034
91-57-6	2-Methylnaphthalene	1.42		0.37	0.031

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: D7713.D

Analysis Method: 8270C | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.06(g) | Date Analyzed: 03/11/2011 13:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77240 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-48-7	2-Methylphenol	1.32		0.37	0.048
15831-10-4	3 & 4 Methylphenol	1.34		0.37	0.041
88-74-4	2-Nitroaniline	1.46		0.75	0.075
99-09-2	3-Nitroaniline	1.49		0.75	0.077
100-01-6	4-Nitroaniline	1.35		0.75	0.068
98-95-3	Nitrobenzene	1.36		0.37	0.050
88-75-5	2-Nitrophenol	1.46		0.37	0.063
100-02-7	4-Nitrophenol	<1.9		1.9	0.091
62-75-9	N-Nitrosodimethylamine	1.02		0.37	0.074
621-64-7	N-Nitrosodi-n-propylamine	1.45		0.37	0.036
86-30-6	N-Nitrosodiphenylamine	1.47		0.37	0.072
106-47-8	p-Chloroaniline	1.60		0.37	0.037
87-86-5	Pentachlorophenol	1.44		0.75	0.067
108-95-2	Phenol	1.38		0.37	0.060
120-82-1	1,2,4-Trichlorobenzene	1.40		0.37	0.048
95-95-4	2,4,5-Trichlorophenol	1.59		0.37	0.097
88-06-2	2,4,6-Trichlorophenol	1.47		0.37	0.10

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	66		14-104
367-12-4	2-Fluorophenol	56		10-102
4165-60-0	Nitrobenzene-d5	69		10-105
4165-62-2	Phenol-d5	61		10-94
1718-51-0	Terphenyl-d14	93		31-119
118-79-6	2,4,6-Tribromophenol	80		10-128

Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D
Lims ID: 510-62781-J-1-F MSD Client ID: SB0058:TP1:000020
Inject. Date: 11-Mar-2011 13:41:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 510-62781-1MSD
Misc. Info.: 510-0004516-014 =510-0004516-014
Operator: WDS Instrument ID: SMSA
Vol. Injected: 1.0000 ALS Bottle#: 14
Lims Batch ID: 77240 Lims Sample ID: 14
Detector: MS SCAN

Method: \\Valsvr08\ChromData\SMSA\20110311-4516.b\8270C_SMSA.m
Last Update: 11-Mar-2011 14:00:55 Calib Date: 03-Feb-2011 13:51:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Valsvr08\ChromData\SMSA\20110203-4314.b\D7340.D
Limit Group: SMS - 1 - 8270 SVOA Calibration
Integrator: RTE ID Type: RT Order ID
Process Host: VAL-SMS-LAB1

First Level Reviewer: squiresb Date: 11-Mar-2011 14:12:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
30 N-Nitrosodimethylamine	74	0.861	0.861	0.0	92	101538	27.0	
31 Pyridine	79	0.877	0.877	0.0	97	161639	23.4	
$ 32 2-Fluorophenol	112	1.636	1.636	0.0	86	409169	56.2	
36 Aniline	93	2.378	2.378	0.0	0	304909	43.5	M
$ 34 Phenol-d5	99	2.384	2.384	0.0	0	468799	61.3	
35 Phenol	94	2.394	2.394	0.0	94	271734	36.5	
37 Bis(2-chloroethyl)ether	93	2.458	2.458	0.0	96	189703	30.6	
38 2-Chlorophenol	128	2.469	2.469	0.0	91	270911	36.5	
39 1,3-Dichlorobenzene	146	2.592	2.592	0.0	98	284093	31.3	
* 40 1,4-Dichlorobenzene-d4	152	2.645	2.645	0.0	93	239658	40.0	
41 1,4-Dichlorobenzene	146	2.661	2.661	0.0	94	282273	32.9	
43 1,2-Dichlorobenzene	146	2.784	2.784	0.0	98	275858	34.1	
42 Benzyl alcohol	108	2.790	2.790	0.0	84	163494	37.4	
44 2-Methylphenol	108	2.907	2.907	0.0	94	202006	35.1	
10 2,2'-oxybis(2-chloropropane)	45	2.923	2.923	0.0	0	173180	33.5	M
45 Acetophenone	105	3.009	3.009	0.0	92	215076	28.8	
46 N-Nitrosodi-n-propylamine	70	3.035	3.035	0.0	95	134185	38.5	
47 3 & 4 Methylphenol	108	3.057	3.057	0.0	0	207362	35.6	
48 Hexachloroethane	117	3.073	3.073	0.0	87	101019	34.1	
$ 49 Nitrobenzene-d5	82	3.132	3.132	0.0	83	199387	34.3	
50 Nitrobenzene	77	3.153	3.153	0.0	80	189409	36.2	
51 Isophorone	82	3.383	3.383	0.0	93	340770	39.5	
52 2-Nitrophenol	139	3.436	3.436	0.0	85	156108	38.7	
53 2,4-Dimethylphenol	107	3.527	3.527	0.0	85	211267	32.7	
54 Bis(2-chloroethoxy)methane	93	3.618	3.618	0.0	97	232855	37.6	
55 2,4-Dichlorophenol	162	3.666	3.666	0.0	94	220390	36.5	
5 Benzoic acid	105	3.676	3.676	0.0	89	131608	29.1	
56 1,2,4-Trichlorobenzene	180	3.735	3.735	0.0	95	233365	37.2	
* 57 Naphthalene-d8	136	3.773	3.773	0.0	99	721014	40.0	
58 Naphthalene	128	3.794	3.794	0.0	98	645841	36.2	
59 4-Chloroaniline	127	3.874	3.874	0.0	82	294311	42.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
60 Hexachlorobutadiene	225	3.938	3.938	0.0	89	134118	37.7	
61 4-Chloro-3-methylphenol	107	4.371	4.371	0.0	89	203699	39.5	
62 2-Methylnaphthalene	141	4.446	4.371	0.075	55	418965	37.7	M
63 Hexachlorocyclopentadiene	237	4.606	4.606	0.0	90	107009	43.5	
64 2,4,6-Trichlorophenol	196	4.734	4.734	0.0	87	155424	38.9	
65 2,4,5-Trichlorophenol	196	4.761	4.761	0.0	52	183241	42.1	
S 3 Methyl Phenols,Total	100				0		70.6	
$ 66 2-Fluorobiphenyl	172	4.825	4.825	0.0	97	483257	32.9	
67 2-Chloronaphthalene	162	4.900	4.900	0.0	96	447398	36.3	
68 2-Nitroaniline	65	5.023	5.023	0.0	93	102052	38.9	
69 Dimethyl phthalate	163	5.252	5.252	0.0	98	547697	42.2	
71 Acenaphthylene	152	5.284	5.284	0.0	96	690175	36.9	
70 2,6-Dinitrotoluene	165	5.290	5.290	0.0	36	139634	40.6	
72 3-Nitroaniline	138	5.423	5.423	0.0	47	131869	39.5	
* 73 Acenaphthene-d10	164	5.429	5.429	0.0	93	424745	40.0	
74 Acenaphthene	153	5.455	5.455	0.0	89	436153	35.5	
75 2,4-Dinitrophenol	184	5.530	5.530	0.0	84	69582	33.8	
77 Dibenzofuran	168	5.626	5.626	0.0	93	617608	37.9	
78 4-Nitrophenol	109	5.642	5.642	0.0	1	55287	39.1	M
76 2,4-Dinitrotoluene	165	5.658	5.658	0.0	87	170048	41.1	
79 Diethyl phthalate	149	5.942	5.942	0.0	98	518580	44.0	
80 Fluorene	166	5.952	5.952	0.0	81	508982	37.7	
81 4-Chlorophenyl phenyl ether	204	5.995	5.995	0.0	85	245491	39.2	
82 4-Nitroaniline	138	6.006	6.006	0.0	78	113550	35.9	
83 4,6-Dinitro-2-methylphenol	198	6.043	6.043	0.0	67	85823	38.7	
84 N-Nitrosodiphenylamine	169	6.129	6.129	0.0	0	435317	38.9	
85 1,2-Diphenylhydrazine	77	6.155	6.155	0.0	1	342053	38.7	
$ 86 2,4,6-Tribromophenol	141	6.203	6.198	0.005	64	55663	80.4	
87 4-Bromophenyl phenyl ether	248	6.551	6.551	0.0	54	133666	41.5	
88 Hexachlorobenzene	284	6.567	6.567	0.0	86	123124	40.7	
89 Pentachlorophenol	266	6.818	6.818	0.0	89	81722	38.2	
* 90 Phenanthrene-d10	188	6.994	6.994	0.0	97	595617	40.0	
91 Phenanthrene	178	7.015	7.015	0.0	96	637781	40.0	
92 Anthracene	178	7.069	7.069	0.0	97	631737	38.7	
93 Carbazole	167	7.261	7.261	0.0	94	550736	36.9	
16 4,4'-DDD	235	7.416	7.416	0.0	45	3197	0	
94 Di-n-butyl phthalate	149	7.694	7.694	0.0	98	714730	44.2	
95 Fluoranthene	202	8.094	8.094	0.0	98	594001	36.7	
96 Benzidine	184	8.255	8.255	0.0	96	88013	43.5	
97 Pyrene	202	8.271	8.271	0.0	93	578689	48.3	
$ 98 Terphenyl-d14	244	8.452	8.452	0.0	97	352119	46.7	
99 Butyl benzyl phthalate	149	8.869	8.869	0.0	92	278563	52.9	
101 Benzo[a]anthracene	228	9.195	9.195	0.0	100	398547	38.1	
* 103 Chrysene-d12	240	9.200	9.200	0.0	97	330014	40.0	
100 3,3'-Dichlorobenzidine	252	9.206	9.206	0.0	89	122519	35.6	
104 Chrysene	228	9.216	9.216	0.0	77	476974	47.1	
102 Bis(2-ethylhexyl) phthalate	149	9.323	9.323	0.0	89	342675	55.0	
105 Di-n-octyl phthalate	149	9.767	9.767	0.0	0	510050	60.2	
106 Benzo[b]fluoranthene	252	9.927	9.927	0.0	97	305844	41.8	
107 Benzo[k]fluoranthene	252	9.943	9.943	0.0	88	389980	48.0	
108 Benzo[a]pyrene	252	10.124	10.124	0.0	82	289803	41.0	
4 Methylene diphenyl diisocyanate	250	10.124	10.124	0.0	18	69110	0	

Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 109 Perylene-d12	264	10.162	10.162	0.0	96	206538	40.0	
110 Indeno[1,2,3-cd]pyrene	276	10.792	10.792	0.0	94	278051	41.9	
111 Dibenz(a,h)anthracene	278	10.814	10.814	0.0	98	213992	39.1	
24 Benzo[g,h,i]perylene	276	10.937	10.937	0.0	98	236694	40.6	

QC Flag Legend

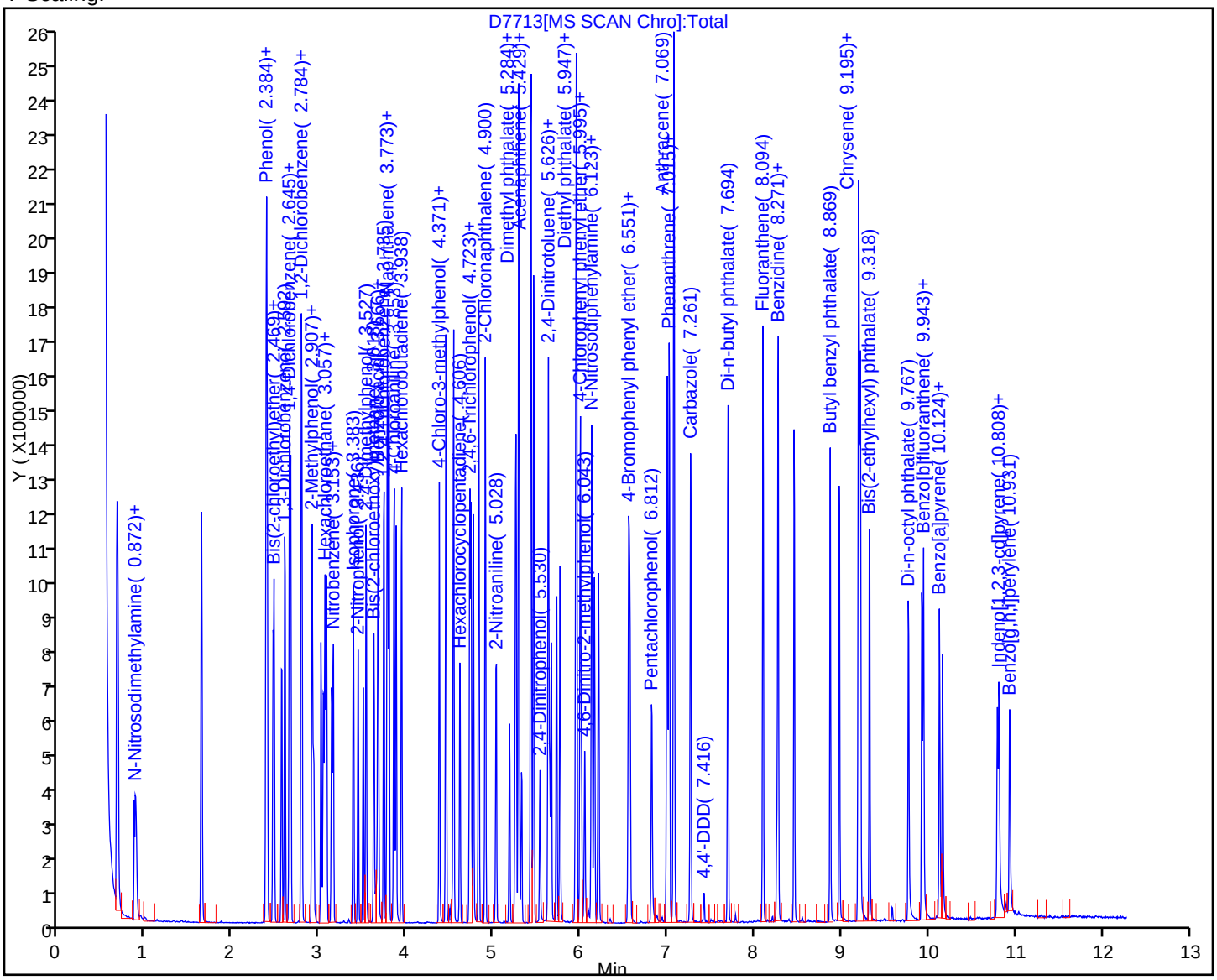
Review Flags
M - Manually Integrated

Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D

Injection Date:	11-Mar-2011 13:41:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	14
Operator ID:	WDS	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

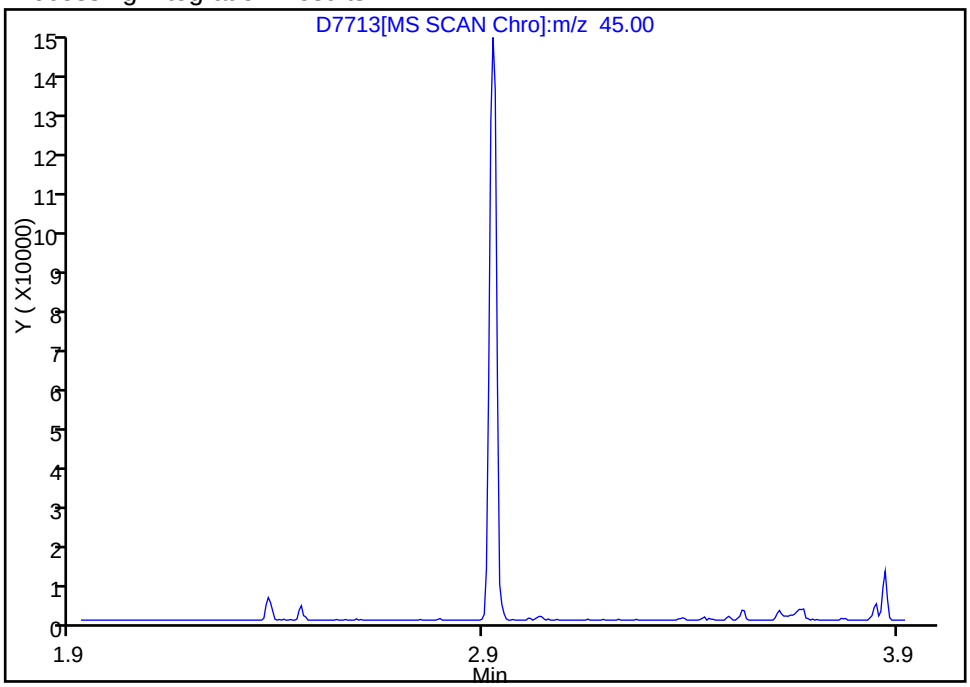
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D		
Injection Date:	11-Mar-2011 13:41:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	14
Operator ID:	WDS	Injection Vol:	1.00 ul

10 2,2'-oxybis(2-chloropropane), Signal: 1, m/z: 45.0 Type: quant, RT: 2.92

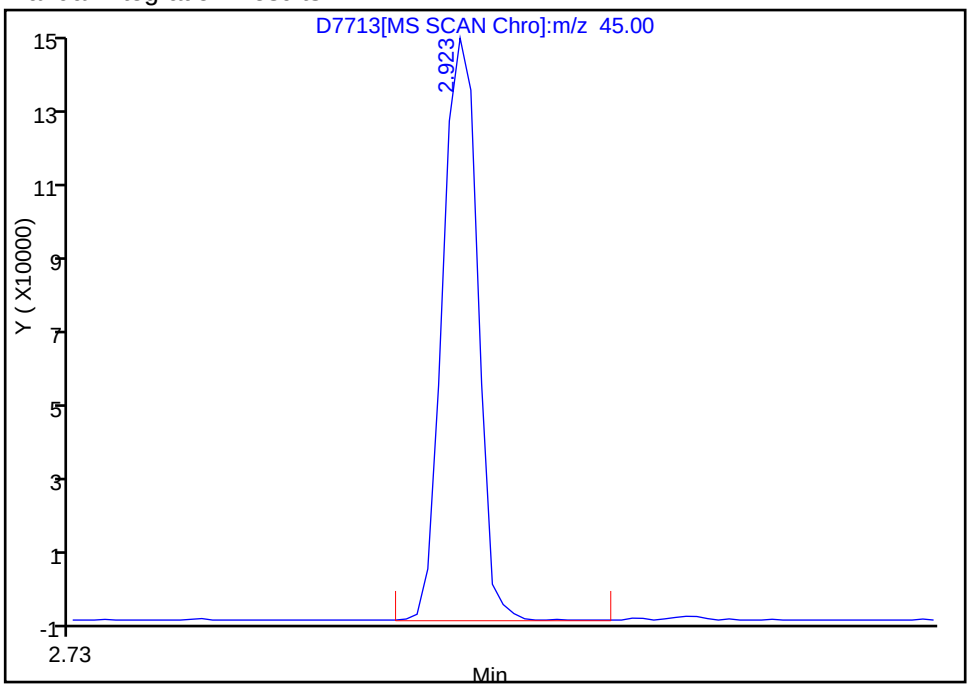
Processing Integration Results

Not Detected
Expected RT: 2.92



Manual Integration Results

RT: 2.92
Response: 173180
Amount: 33.489321



Reviewer: squiresb, 11-Mar-2011 14:00:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

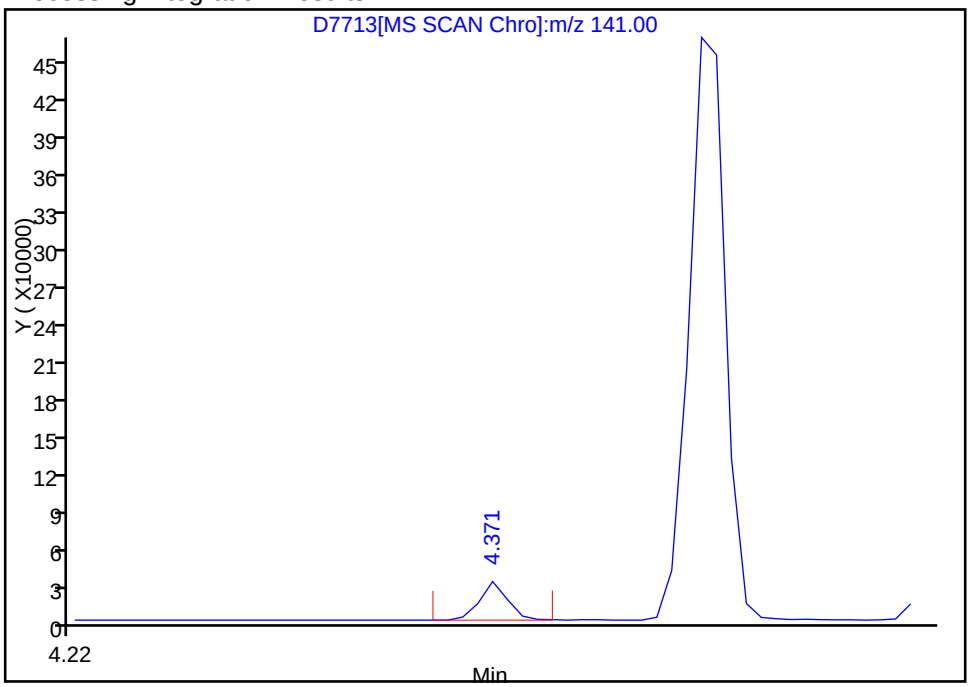
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D		
Injection Date:	11-Mar-2011 13:41:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	14
Operator ID:	WDS	Injection Vol:	1.00 ul

62 2-Methylnaphthalene, Signal: 2, m/z: 141.0 Type: quant, RT: 4.37

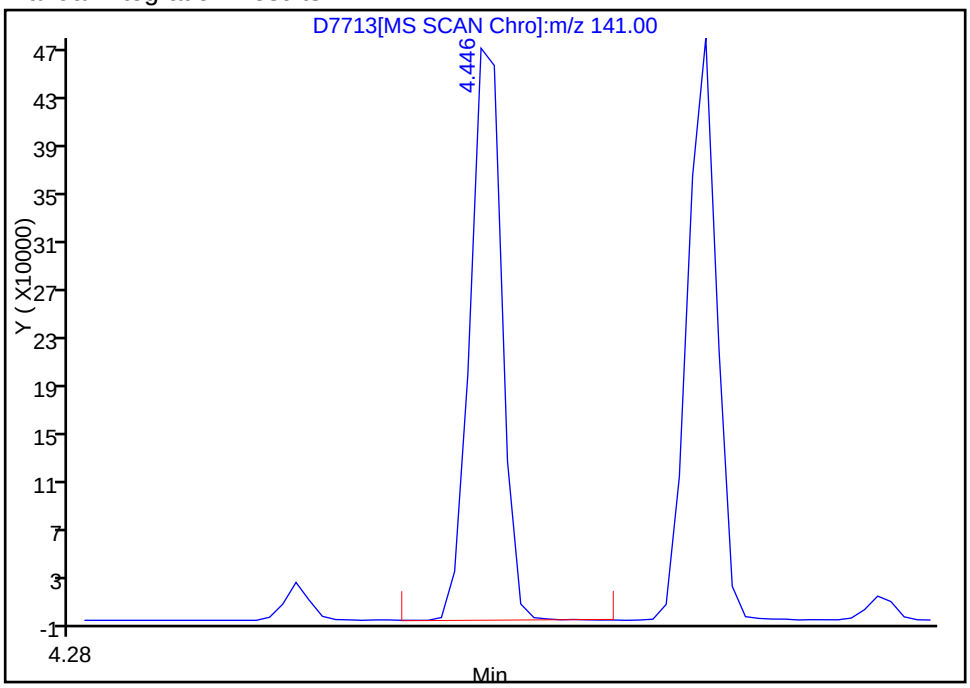
Processing Integration Results

RT: 4.37
Response: 21576
Amount: 1.939968



Manual Integration Results

RT: 4.45
Response: 418965
Amount: 37.670490



Reviewer: squiresb, 11-Mar-2011 14:00:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 11-Mar-2011 14:12:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

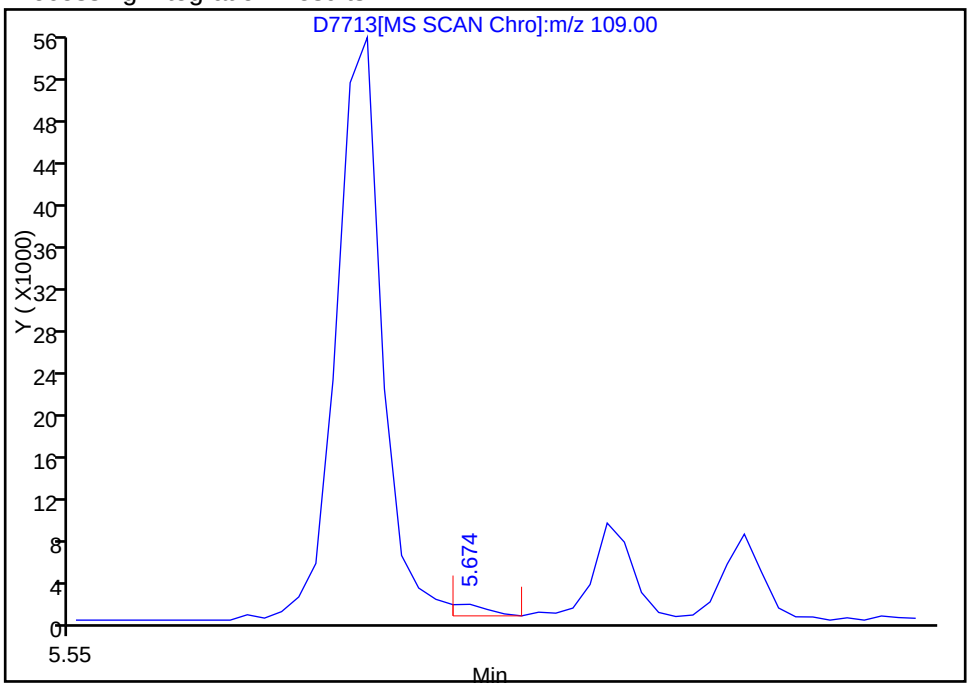
Manual Integration/User Assign Peak Report

Data File:	\\Valsvr08\ChromData\SMSA\20110311-4516.b\D7713.D		
Injection Date:	11-Mar-2011 13:41:30	Limit Group:	SMS - 1 - 8270 SVOA Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSA
Lims Batch ID:	77240	Lims Sample ID:	14
Operator ID:	WDS	Injection Vol:	1.00 ul

78 4-Nitrophenol, Signal: 1, m/z: 109.0 Type: quant, RT: 5.64

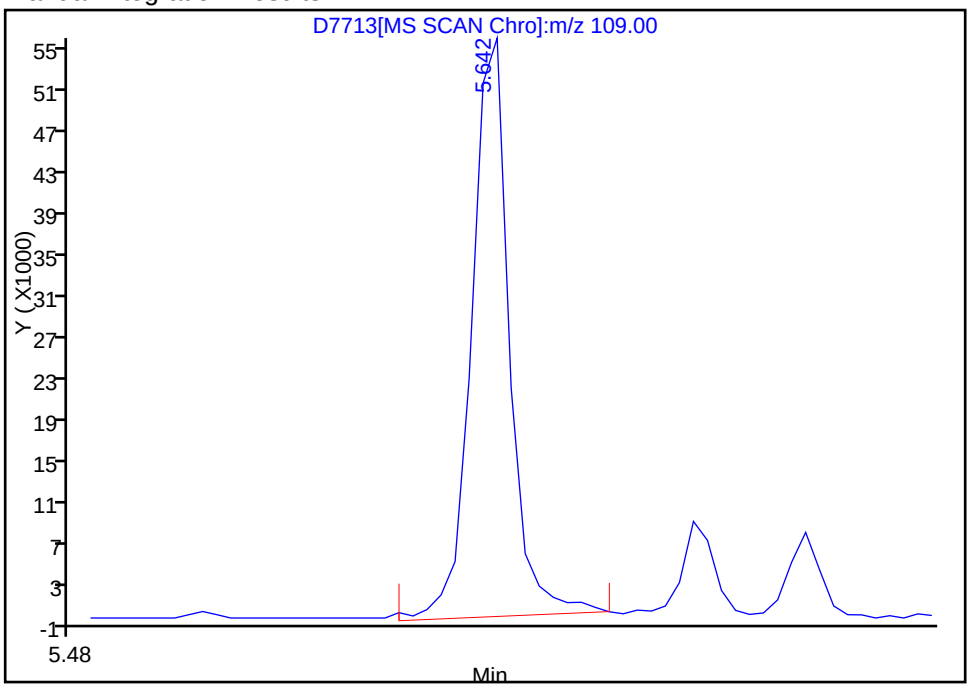
Processing Integration Results

RT: 5.67
Response: 945
Amount: 0.667930



Manual Integration Results

RT: 5.64
Response: 55287
Amount: 39.077088



Reviewer: squiresb, 11-Mar-2011 14:00:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Start Date: 02/03/2011 10:50

Analysis Batch Number: 75445 End Date: 02/03/2011 21:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-75445/1		02/03/2011 10:50	1	D7330.D	8270/625 0.25(mm)
SSTD005 510-75445/2 IC		02/03/2011 11:05	1	D7331.D	8270/625 0.25(mm)
SSTD010 510-75445/3 IC		02/03/2011 11:24	1	D7332.D	8270/625 0.25(mm)
SSTD020 510-75445/4 IC		02/03/2011 11:42	1	D7333.D	8270/625 0.25(mm)
SSTD030 510-75445/5 IC		02/03/2011 12:01	1	D7334.D	8270/625 0.25(mm)
SSTD040 510-75445/6 IC		02/03/2011 12:19	1	D7335.D	8270/625 0.25(mm)
SSTD050 510-75445/7 ICIS		02/03/2011 12:37	1	D7336.D	8270/625 0.25(mm)
SSTD060 510-75445/8 IC		02/03/2011 12:56	1	D7337.D	8270/625 0.25(mm)
SSTD080 510-75445/9 IC		02/03/2011 13:14	1	D7338.D	8270/625 0.25(mm)
SSTD100 510-75445/10 IC		02/03/2011 13:33	1	D7339.D	8270/625 0.25(mm)
SSTD120 510-75445/11 IC		02/03/2011 13:51	1	D7340.D	8270/625 0.25(mm)
ICV 510-75445/13		02/03/2011 14:28	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 15:05	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 15:23	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 15:42	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 16:00	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 16:19	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 16:37	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 16:56	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 17:14	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 17:32	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 17:51	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 18:09	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 18:27	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 18:45	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 19:04	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 19:22	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 19:40	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 19:58	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 20:17	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 20:35	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 20:53	1		8270/625 0.25(mm)
ZZZZZ		02/03/2011 21:11	1		8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSA Start Date: 03/11/2011 09:57

Analysis Batch Number: 77240 End Date: 03/11/2011 19:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-77240/1		03/11/2011 09:57	1	D7700.D	8270/625 0.25(mm)
SSTD050 510-77240/2 CCVIS		03/11/2011 10:07	1	D7701.D	8270/625 0.25(mm)
ZZZZZ		03/11/2011 10:43	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 11:01	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 11:18	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 11:36	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 11:54	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 12:12	1		8270/625 0.25(mm)
MB 510-77007/1-A		03/11/2011 12:30	1	D7709.D	8270/625 0.25(mm)
LCS 510-77007/2-A		03/11/2011 12:47	1	D7710.D	8270/625 0.25(mm)
510-62781-1	SB0058:TP1:000020	03/11/2011 13:05	1	D7711.D	8270/625 0.25(mm)
510-62781-1 MS	SB0058:TP1:000020 MS	03/11/2011 13:23	1	D7712.D	8270/625 0.25(mm)
510-62781-1 MSD	SB0058:TP1:000020 MSD	03/11/2011 13:41	1	D7713.D	8270/625 0.25(mm)
510-62781-2	SB0058:TP1:040050	03/11/2011 13:59	1	D7714.D	8270/625 0.25(mm)
510-62781-3	SB0058:TP2:000020	03/11/2011 14:17	1	D7715.D	8270/625 0.25(mm)
510-62781-4	SB0058:TP2:040050	03/11/2011 14:35	1	D7716.D	8270/625 0.25(mm)
510-62781-5	SB0058: FIELD DUPLICATE	03/11/2011 14:53	1	D7717.D	8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:12	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:30	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:48	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 16:06	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 16:24	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 16:42	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 17:00	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 17:18	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 17:36	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 17:54	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 18:12	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 18:30	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 18:48	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 19:06	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 19:24	1		8270/625 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 77007 Batch Start Date: 03/08/11 07:55 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00034	MSBSurr 00029		
MB 510-77007/1		3541, 8270C		30 g	1 mL		500 uL		
LCS 510-77007/2		3541, 8270C		30 g	1 mL	500 uL	500 uL		
510-62781-J-1	SB0058:TP1:000020	3541, 8270C	T	30.68 g	1 mL		500 uL		
510-62781-J-1 MS	SB0058:TP1:000020	3541, 8270C	T	30.85 g	1 mL	500 uL	500 uL		
510-62781-J-1 MSD	SB0058:TP1:000020	3541, 8270C	T	30.06 g	1 mL	500 uL	500 uL		
510-62781-J-2	SB0058:TP1:040050	3541, 8270C	T	30.72 g	1 mL		500 uL		
510-62781-J-3	SB0058:TP2:000020	3541, 8270C	T	30.68 g	1 mL		500 uL		
510-62781-J-4	SB0058:TP2:040050	3541, 8270C	T	30.43 g	1 mL		500 uL		
510-62781-J-5	SB0058: FIELD DUPLICATE	3541, 8270C	T	30.59 g	1 mL		500 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00004
DCM/CS2 ID	dcm_00053
Vendor lot number	dcm_00053
Na2SO4 Lot Number	opna2so4_00019
Person's name who did the prep	Sarah Page
Solvent	dcm
First Start time	0755

Basis	Basis Description
T	Total/NA

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): 8270/625 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	NBZ #	FBP #	TPH #
SB0058:TP1:000020	510-62781-1	65	82	70
SB0058:TP1:040050	510-62781-2	68	89	70
SB0058:TP2:000020	510-62781-3	59	76	61
SB0058:TP2:040050	510-62781-4	68	86	70
SB0058: FIELD DUPLICATE	510-62781-5	65	88	64
	MB 510-77007/1-A	64	79	71
	LCS 510-77007/2-A	69	67	74
SB0058:TP1:000020 MS	510-62781-1 MS	64	59	73
SB0058:TP1:000020 MSD	510-62781-1 MSD	65	57	65

	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C3810.D

Lab ID: LCS 510-77007/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	1.67	1.19	71	10-118	
Acenaphthylene	1.67	1.12	67	10-151	
Anthracene	1.67	1.26	76	16-148	
Benzo[a]anthracene	1.67	1.24	74	15-154	
Benzo[a]pyrene	1.67	1.34	80	19-168	
Benzo[b]fluoranthene	1.67	1.17	70	14-152	
Benzo[g,h,i]perylene	1.67	1.68	101	21-112	
Benzo[k]fluoranthene	1.67	1.06	64	24-116	
Chrysene	1.67	1.24	74	29-107	
Dibenz(a,h)anthracene	1.67	1.63	98	34-107	
Fluoranthene	1.67	1.32	79	29-120	
Pyrene	1.67	1.36	82	26-120	
Fluorene	1.67	1.09	66	28-110	
Indeno[1,2,3-cd]pyrene	1.67	1.61	97	27-110	
Naphthalene	1.67	1.14	68	10-106	
Phenanthrene	1.67	1.21	73	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C3813.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	1.84	<0.022	1.30	66	10-118	
Acenaphthylene	1.84	<0.022	1.23	67	10-151	
Anthracene	1.84	<0.022	1.29	49	16-148	
Benzo[a]anthracene	1.84	<0.022	1.47	6	15-154	F
Benzo[a]pyrene	1.84	<0.022	1.51	37	19-168	
Benzo[b]fluoranthene	1.84	<0.022	1.27	27	14-152	
Benzo[g,h,i]perylene	1.84	0.60	1.39	40	21-112	
Benzo[k]fluoranthene	1.84	<0.022	1.40	25	24-116	
Chrysene	1.84	<0.022	1.32	-9	29-107	F
Dibenz(a,h)anthracene	1.84	0.21	1.39	64	34-107	
Fluoranthene	1.84	<0.022	1.43	-23	29-120	F
Pyrene	1.84	<0.022	1.51	-61	26-120	F
Fluorene	1.84	<0.022	1.29	63	28-110	
Indeno[1,2,3-cd]pyrene	1.84	0.54	1.44	53	27-110	
Naphthalene	1.84	<0.022	1.21	62	10-106	
Phenanthrene	1.84	<0.022	1.37	-4	22-115	F

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: C3814.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	1.88	1.29	64	1	25	10-118	
Acenaphthylene	1.88	1.21	64	2	25	10-151	
Anthracene	1.88	1.40	54	8	25	16-148	
Benzo[a]anthracene	1.88	1.54	10	5	25	15-154	F
Benzo[a]pyrene	1.88	1.50	35	1	25	19-168	
Benzo[b]fluoranthene	1.88	1.36	32	7	25	14-152	
Benzo[g,h,i]perylene	1.88	1.28	34	8	25	21-112	
Benzo[k]fluoranthene	1.88	1.38	24	1	25	24-116	
Chrysene	1.88	1.23	-14	7	25	29-107	F
Dibenz(a,h)anthracene	1.88	1.38	62	1	25	34-107	
Fluoranthene	1.88	1.44	-22	0	25	29-120	F
Pyrene	1.88	1.38	-66	9	25	26-120	F
Fluorene	1.88	1.27	61	1	25	28-110	
Indeno[1,2,3-cd]pyrene	1.88	1.37	48	5	25	27-110	
Naphthalene	1.88	1.26	63	4	25	10-106	
Phenanthrene	1.88	1.35	-5	1	25	22-115	F

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.: 510-62781-1

SDG No.:

Lab File ID: C3809.D Lab Sample ID: MB 510-77007/1-A

Matrix: Solid Date Extracted: 03/08/2011 07:55

Instrument ID: SMSB Date Analyzed: 03/11/2011 16:14

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 510-77007/2-A	C3810.D	03/11/2011 16:32
SB0058:TP1:000020	510-62781-1	C3812.D	03/11/2011 17:08
SB0058:TP1:000020 MS	510-62781-1 MS	C3813.D	03/11/2011 17:25
SB0058:TP1:000020 MSD	510-62781-1 MSD	C3814.D	03/11/2011 17:43
SB0058:TP1:040050	510-62781-2	C3815.D	03/11/2011 18:01
SB0058:TP2:000020	510-62781-3	C3816.D	03/11/2011 18:19
SB0058:TP2:040050	510-62781-4	C3817.D	03/11/2011 18:37
SB0058: FIELD DUPLICATE	510-62781-5	C3818.D	03/11/2011 18:55
SB0058:TP1:000020	510-62781-1	C3823.D	03/14/2011 13:38
SB0058:TP2:000020	510-62781-3	C3824.D	03/14/2011 13:56

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: C3720.D DFTPP Injection Date: 03/07/2011

Instrument ID: SMSB DFTPP Injection Time: 11:30

Analysis Batch No.: 76981

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	35.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	57.7	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	40.0 - 60.0 % of mass 198	48.4	
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	19.6	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	8.8	
442	Greater than 40.0 % of mass 198	54.6	
443	17.0 - 23.0 % of mass 442	11.1	(20.3)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 510-76981/3	C3722.D	03/07/2011	12:07
	IC 510-76981/4	C3723.D	03/07/2011	12:25
	IC 510-76981/5	C3724.D	03/07/2011	12:43
	IC 510-76981/6	C3725.D	03/07/2011	13:01
	IC 510-76981/7	C3726.D	03/07/2011	13:19
	IC 510-76981/8	C3727.D	03/07/2011	13:38
	IC 510-76981/9	C3728.D	03/07/2011	13:56
	IC 510-76981/10	C3729.D	03/07/2011	14:14

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: C3800.D DFTPP Injection Date: 03/11/2011

Instrument ID: SMSB DFTPP Injection Time: 13:36

Analysis Batch No.: 77268

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	32.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	52.7	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	46.1	
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	6.6	
275	10.0 - 30.0 % of mass 198	18.3	
365	Greater than 1.0 % of mass 198	2.1	
441	Present but less than mass 443	9.7	
442	Greater than 40.0 % of mass 198	55.4	
443	17.0 - 23.0 % of mass 442	11.0	(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
	SSTD020 510-77268/3	C3802.D	03/11/2011	14:07
	MB 510-77007/1-A	C3809.D	03/11/2011	16:14
	LCS 510-77007/2-A	C3810.D	03/11/2011	16:32
SB0058:TP1:000020	510-62781-1	C3812.D	03/11/2011	17:08
SB0058:TP1:000020 MS	510-62781-1 MS	C3813.D	03/11/2011	17:25
SB0058:TP1:000020 MSD	510-62781-1 MSD	C3814.D	03/11/2011	17:43
SB0058:TP1:040050	510-62781-2	C3815.D	03/11/2011	18:01
SB0058:TP2:000020	510-62781-3	C3816.D	03/11/2011	18:19
SB0058:TP2:040050	510-62781-4	C3817.D	03/11/2011	18:37
SB0058: FIELD DUPLICATE	510-62781-5	C3818.D	03/11/2011	18:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab File ID: C3820.D DFTPP Injection Date: 03/14/2011

Instrument ID: SMSB DFTPP Injection Time: 12:50

Analysis Batch No.: 77355

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	34.2	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	53.2	
70	Less than 2.0 % of mass 69	0.2	(0.3)1
127	40.0 - 60.0 % of mass 198	46.7	
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	6.5	
275	10.0 - 30.0 % of mass 198	18.5	
365	Greater than 1.0 % of mass 198	2.2	
441	Present but less than mass 443	9.0	
442	Greater than 40.0 % of mass 198	52.0	
443	17.0 - 23.0 % of mass 442	10.6	(20.3)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 510-77355/3	C3822.D	03/14/2011	13:21
SB0058:TP1:000020	510-62781-1	C3823.D	03/14/2011	13:38
SB0058:TP2:000020	510-62781-3	C3824.D	03/14/2011	13:56

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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Sample No.: SSTD020 510-77268/3 Date Analyzed: 03/11/2011 14:07

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C3802.D Heated Purge: (Y/N) N

Calibration ID: 3767

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD				212521	1.54	113626	3.83
UPPER LIMIT				425042	2.04	227252	4.33
LOWER LIMIT				106261	1.04	56813	3.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-77007/1-A				201012	1.53	85113	3.83
LCS 510-77007/2-A				256589	1.54	125513	3.84
510-62781-1	SB0058:TP1:000020			254870	1.53	108544	3.82
510-62781-1 MS	SB0058:TP1:000020 MS			243618	1.55	135084	3.84
510-62781-1 MSD	SB0058:TP1:000020 MSD			198077	1.54	108725	3.84
510-62781-2	SB0058:TP1:040050			295709	1.54	123987	3.83
510-62781-3	SB0058:TP2:000020			296860	1.54	125808	3.84
510-62781-4	SB0058:TP2:040050			241200	1.53	104512	3.83
510-62781-5	SB0058: FIELD DUPLICATE			245315	1.53	97764	3.83

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Sample No.: SSTD020 510-77268/3 Date Analyzed: 03/11/2011 14:07

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C3802.D Heated Purge: (Y/N) N

Calibration ID: 3767

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		133775	5.46	79633	8.53	55800	9.68
UPPER LIMIT		267550	5.96	159266	9.03	111600	10.18
LOWER LIMIT		66888	4.96	39817	8.03	27900	9.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 510-77007/1-A		121915	5.46	73555	8.53	56174	9.68
LCS 510-77007/2-A		143201	5.47	85137	8.55	76115	9.70
510-62781-1	SB0058:TP1:000020	143021	5.46	78846	8.56	46969	9.70
510-62781-1 MS	SB0058:TP1:000020 MS	172645	5.47	98347	8.56	68880	9.70
510-62781-1 MSD	SB0058:TP1:000020 MSD	134174	5.47	86697	8.56	58402	9.70
510-62781-2	SB0058:TP1:040050	185227	5.46	110231	8.53	72789	9.69
510-62781-3	SB0058:TP2:000020	175594	5.46	104208	8.56	66933	9.71
510-62781-4	SB0058:TP2:040050	150842	5.46	90301	8.53	54762	9.68
510-62781-5	SB0058: FIELD DUPLICATE	147606	5.46	93418	8.53	58092	9.68

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Sample No.: SSTD020 510-77355/3 Date Analyzed: 03/14/2011 13:21

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C3822.D Heated Purge: (Y/N) N

Calibration ID: 3767

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD				246702	1.54	117068	3.84
UPPER LIMIT				493404	2.04	234136	4.34
LOWER LIMIT				123351	1.04	58534	3.34
LAB SAMPLE ID	CLIENT SAMPLE ID						
510-62781-1	SB0058:TP1:000020			261151	1.52	101537	3.82
510-62781-3	SB0058:TP2:000020			264628	1.53	109385	3.83

DCB = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Sample No.: SSTD020 510-77355/3 Date Analyzed: 03/14/2011 13:21

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm)

Lab File ID (Standard): C3822.D Heated Purge: (Y/N) N

Calibration ID: 3767

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		138870	5.46	79912	8.54	47626	9.68
UPPER LIMIT		277740	5.96	159824	9.04	95252	10.18
LOWER LIMIT		69435	4.96	39956	8.04	23813	9.18
LAB SAMPLE ID	CLIENT SAMPLE ID						
510-62781-1	SB0058:TP1:000020	133174	5.46	81217	8.56	34861	9.70
510-62781-3	SB0058:TP2:000020	145985	5.46	86833	8.54	44092	9.70

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.50 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: C3812.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 17:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	0.097		0.022	0.0028
208-96-8	Acenaphthylene	<0.022		0.022	0.0035
120-12-7	Anthracene	0.38		0.022	0.0035
56-55-3	Benzo[a]anthracene	1.4		0.022	0.0024
50-32-8	Benzo[a]pyrene	0.84		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	0.77		0.022	0.0032
207-08-9	Benzo[k]fluoranthene	0.93		0.022	0.0023
218-01-9	Chrysene	1.5		0.022	0.0022
206-44-0	Fluoranthene	1.9		0.022	0.0045
129-00-0	Pyrene	2.6		0.022	0.0041
86-73-7	Fluorene	0.12		0.022	0.0030
91-20-3	Naphthalene	0.070		0.022	0.0036
85-01-8	Phenanthrene	1.4		0.022	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		10-194
4165-60-0	Nitrobenzene-d5	65		10-117
321-60-8	2-Fluorobiphenyl	82		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Lims ID: 510-62781-J-1-D Client ID: SB0058:TP1:000020
Inject. Date: 11-Mar-2011 17:08:30 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 510-62781-1
Misc. Info.: 510-0004521-013 =510-0004521-013
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 13
Lims Batch ID: 77268 Lims Sample ID: 13
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m
Last Update: 11-Mar-2011 16:35:39 Calib Date: 07-Mar-2011 14:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 09:03:59

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.813	0.820	-0.007	31	79684	32.4	70.0- 130.0	100.0	
128	0.824	0.820	0.004		51907		1742.7-1802.7	65.1	
54	0.813	0.820	-0.007		41999		201.8- 261.8	52.7	
* 57 Naphthalene-d8									
136	1.534	1.541	-0.006	40	254870	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.555	1.562	-0.007	0	14141	1.91	70.0- 130.0	100.0	
129	1.555	1.562	-0.007		1525		0.0- 40.7	10.8	
127	1.555	1.562	-0.007		1700		0.0- 42.0	12.0	
$ 66 2-Fluorobiphenyl									
172	3.158	3.164	-0.006	44	174404	41.2			
* 73 Acenaphthene-d10									
164	3.824	3.831	-0.007	19	108544	40.0	70.0- 130.0	100.0	
162	3.824	3.831	-0.007		99181		52.3- 112.3	91.4	
74 Acenaphthene									
154	3.856	3.863	-0.007	55	8964	2.61	70.0- 130.0	100.0	
152	3.856	3.863	-0.007		4235		19.5- 79.5	47.2	
153	3.856	3.863	-0.007		8762		74.0- 134.0	97.7	
80 Fluorene									
166	4.448	4.444	0.004	68	12409	3.38	70.0- 130.0	100.0	
165	4.448	4.444	0.004		11579		62.1- 122.1	93.3	
* 90 Phenanthrene-d10									
188	5.459	5.458	0.001	4	143021	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.483	5.470	0.013	9	181766	39.1	70.0- 130.0	100.0	
179	5.483	5.470	0.013		29418		0.0- 45.5	16.2	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
92 Anthracene									
178	5.521	5.520	0.001	1	49838	10.3	70.0- 130.0	100.0	
179	5.521	5.520	0.001		8371		0.0- 45.2	16.8	
95 Fluoranthene									
202	6.797	6.772	0.025	58	206111	50.2	70.0- 130.0	100.0	
101	6.785	6.772	0.013		37184		0.0- 49.2	18.0	
203	6.797	6.772	0.025		41816		0.0- 47.1	20.3	
97 Pyrene									
202	7.008	6.982	0.026	60	270724	71.2	70.0- 130.0	100.0	
101	7.008	6.982	0.026		57495		0.0- 49.2	21.2	
$ 98 Terphenyl-d14									
244	7.454	7.429	0.025	44	65321	34.8	70.0- 130.0	100.0	
122	7.454	7.429	0.025		15559		0.0- 52.7	23.8	
101 Benzo[a]anthracene									
228	8.545	8.519	0.026	60	111590	36.7	70.0- 130.0	100.0	
229	8.545	8.519	0.026		24298		0.0- 50.5	21.8	
226	8.545	8.519	0.026		34422		0.3- 60.3	30.8	
* 103 Chrysene-d12									
240	8.557	8.532	0.025	13	78846	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	8.582	8.582	0.026	57	126768	40.3	70.0- 130.0	100.0	M
226	8.545	8.582	-0.011		34422		1.2- 61.2	27.2	
229	8.545	8.582	-0.011		24298		0.0- 52.1	19.2	
106 Benzo[b]fluoranthene									M
252	9.450	9.450	0.014	31	52712	20.8	70.0- 130.0	100.0	M
253	9.462	9.450	0.026		27032		0.0- 51.8	51.3	
107 Benzo[k]fluoranthene									M
252	9.462	9.462	0.013	33	87886	25.3	70.0- 130.0	100.0	M
253	9.462	9.462	0.013		27032		0.0- 51.8	30.8	
108 Benzo[a]pyrene									
252	9.623	9.635	-0.012	22	48644	22.7	70.0- 130.0	100.0	
253	9.623	9.635	-0.012		13943		0.0- 51.8	28.7	
* 109 Perylene-d12									M
264	9.697	9.684	0.013	0	46969	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									M
276	10.367	10.367	0.026	17	20755	12.5	70.0- 130.0	100.0	M
138	10.305	10.367	-0.036		2132		10.0- 70.0	10.3	
111 Dibenz(a,h)anthracene									
278	10.404	10.391	0.013	7	8434	6.04	70.0- 130.0	100.0	
139	10.391	10.391	0.000		1953		2.2- 62.2	23.2	
24 Benzo[g,h,i]perylene									
276	10.491	10.465	0.026	6	26749	17.7	70.0- 130.0	100.0	
138	10.478	10.465	0.013		12481		10.0- 70.0	46.7	

QC Flag Legend

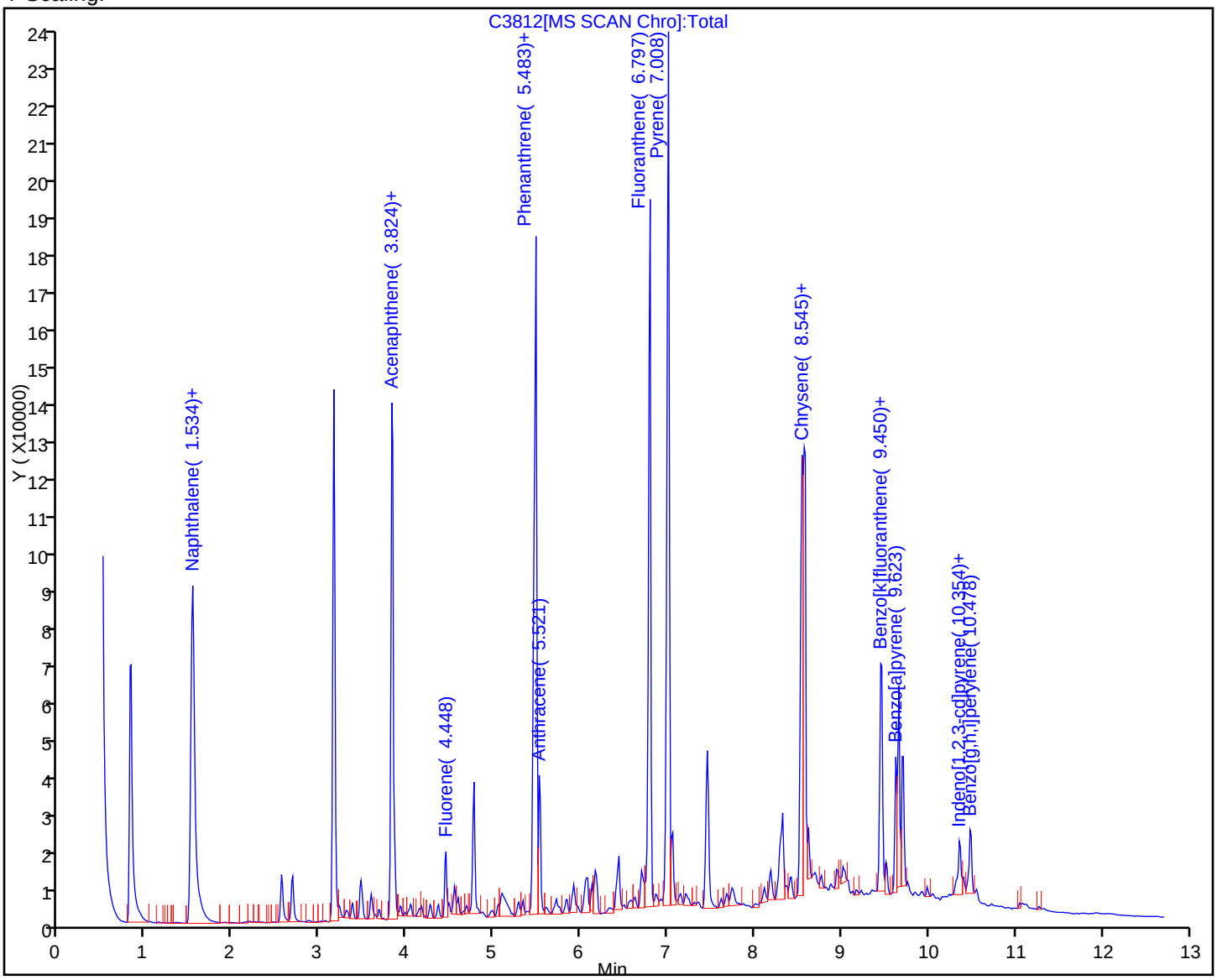
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D

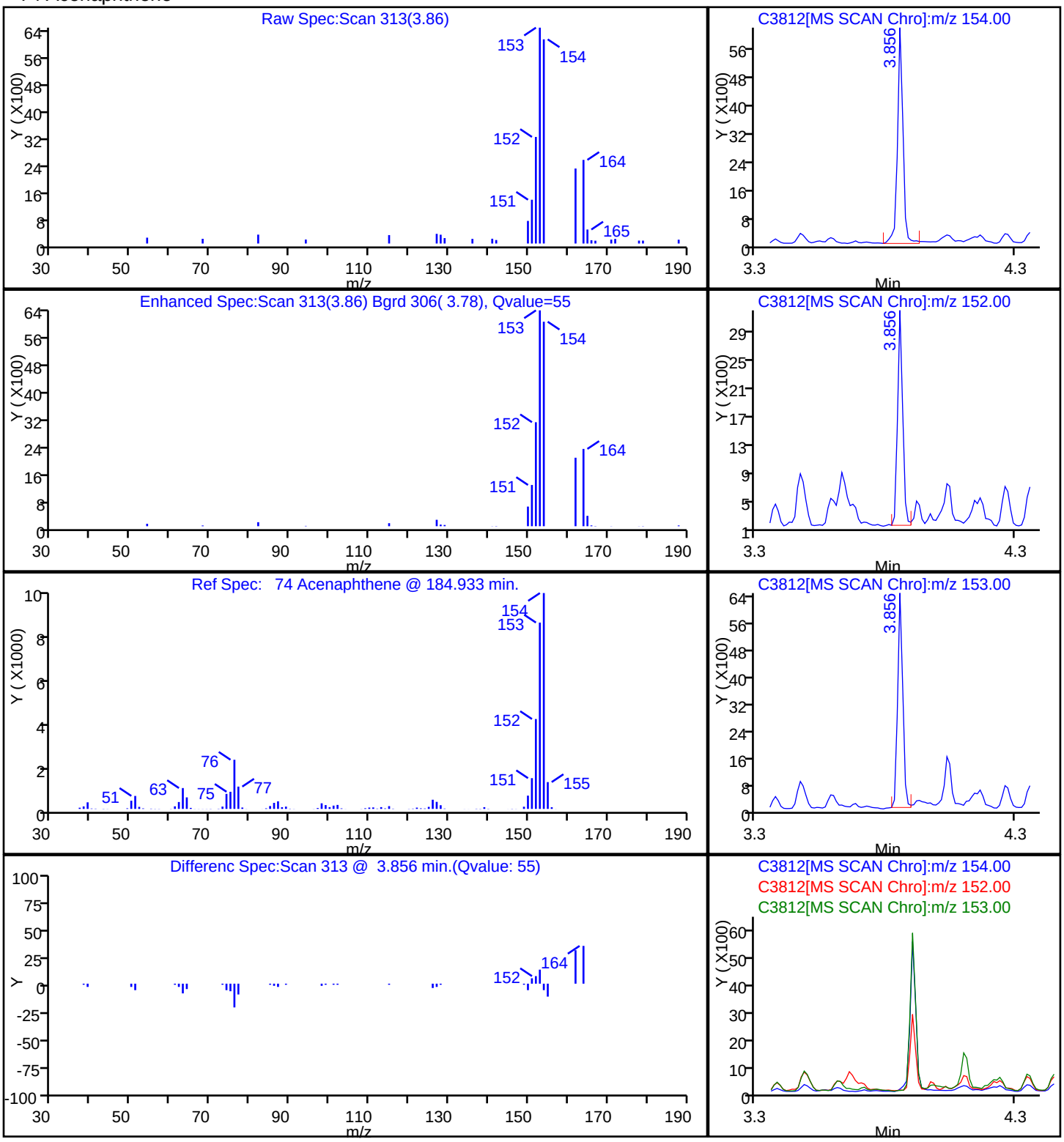
Injection Date:	11-Mar-2011 17:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:

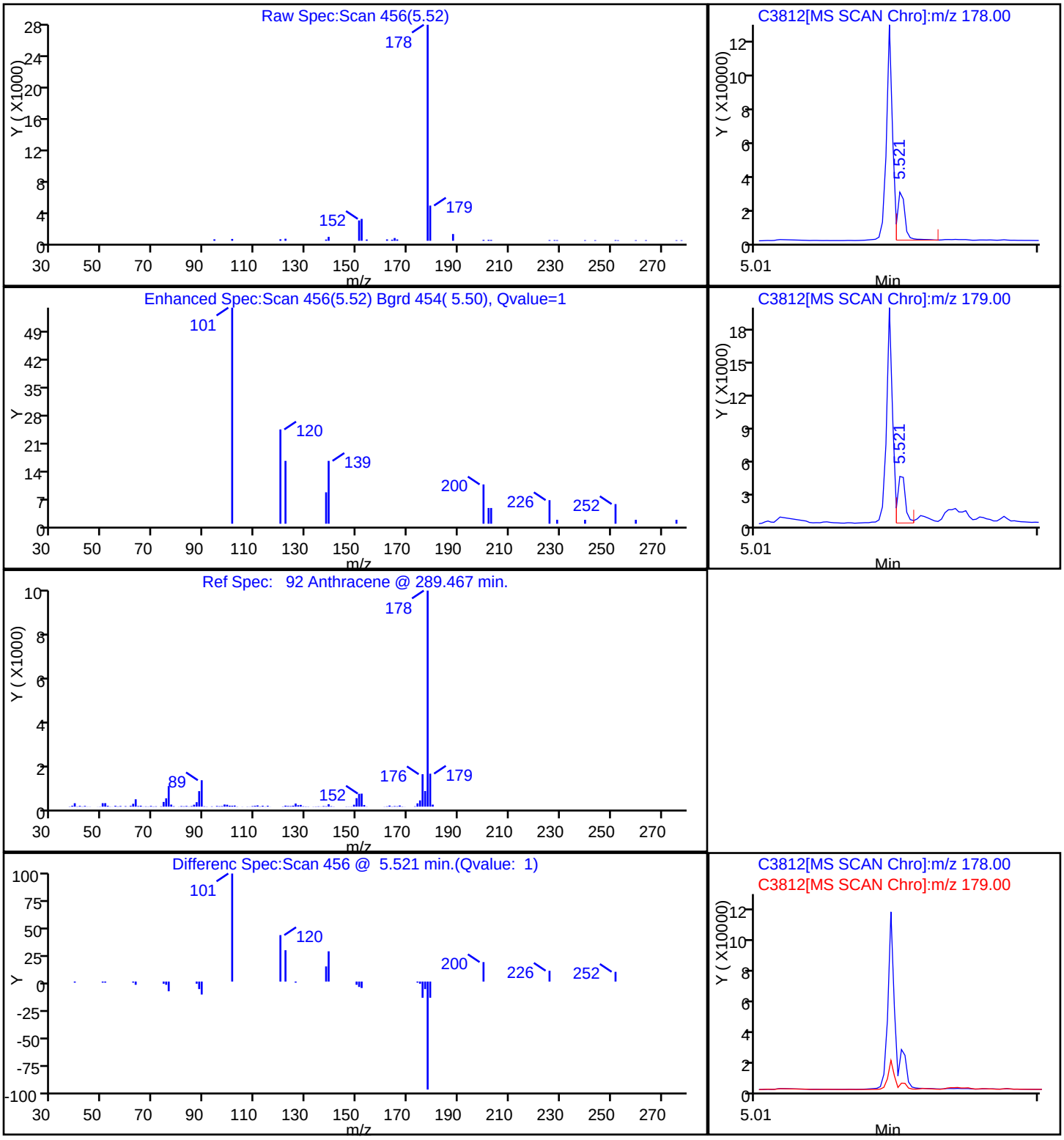


Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul

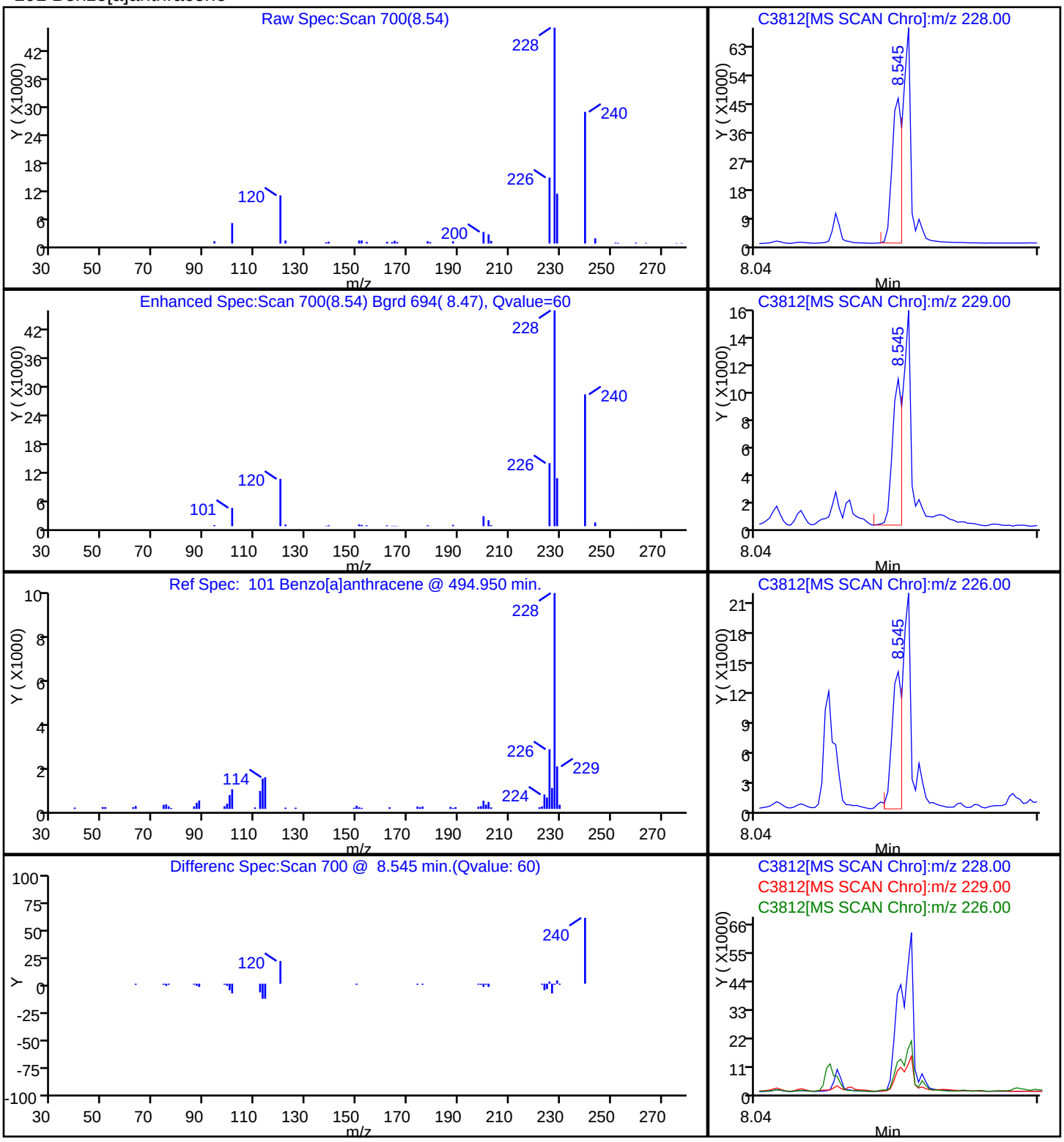
74 Acenaphthene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
92 Anthracene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
101 Benzo[a]anthracene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D

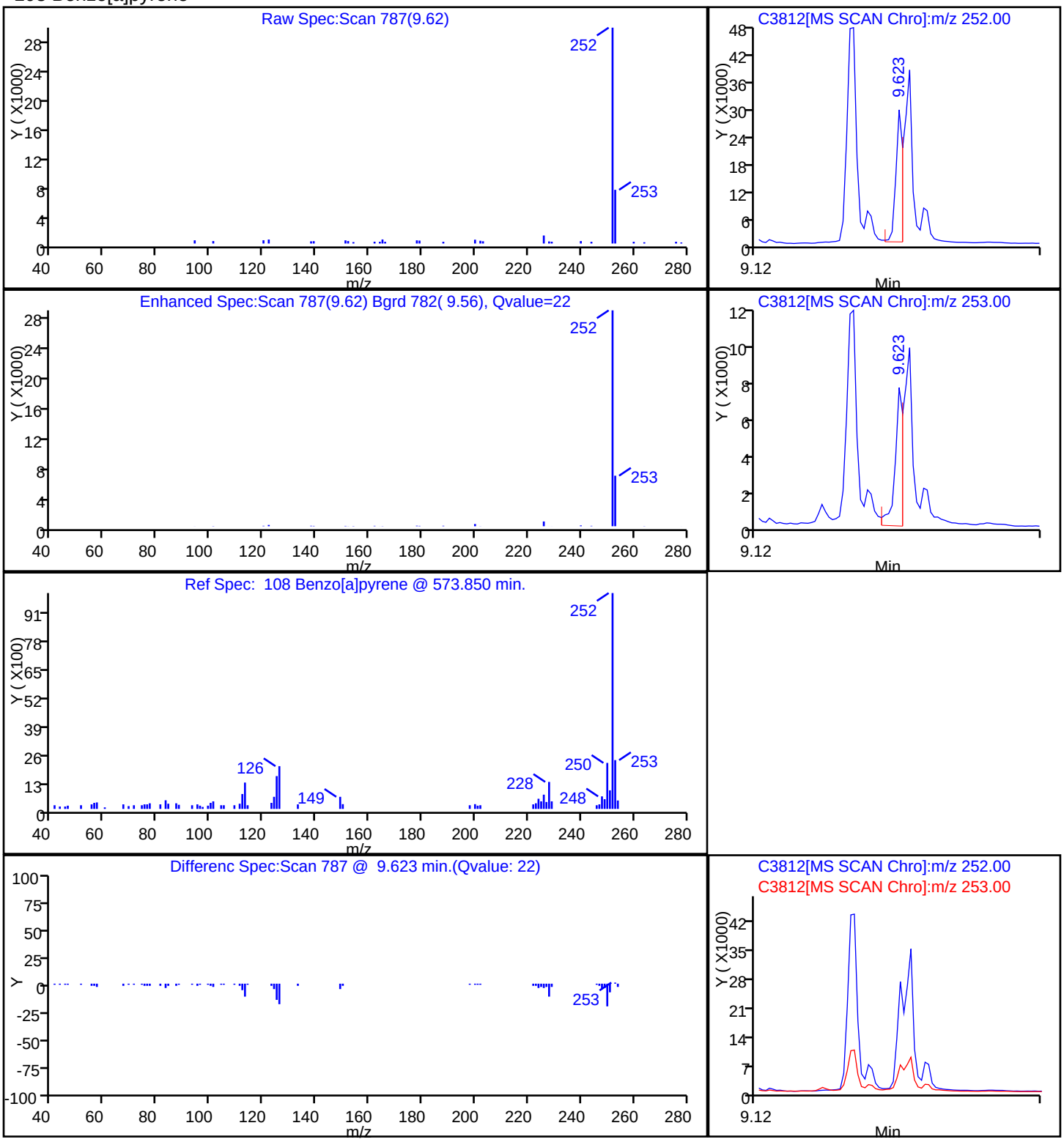
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP1:000020 Instrument ID: SMSB

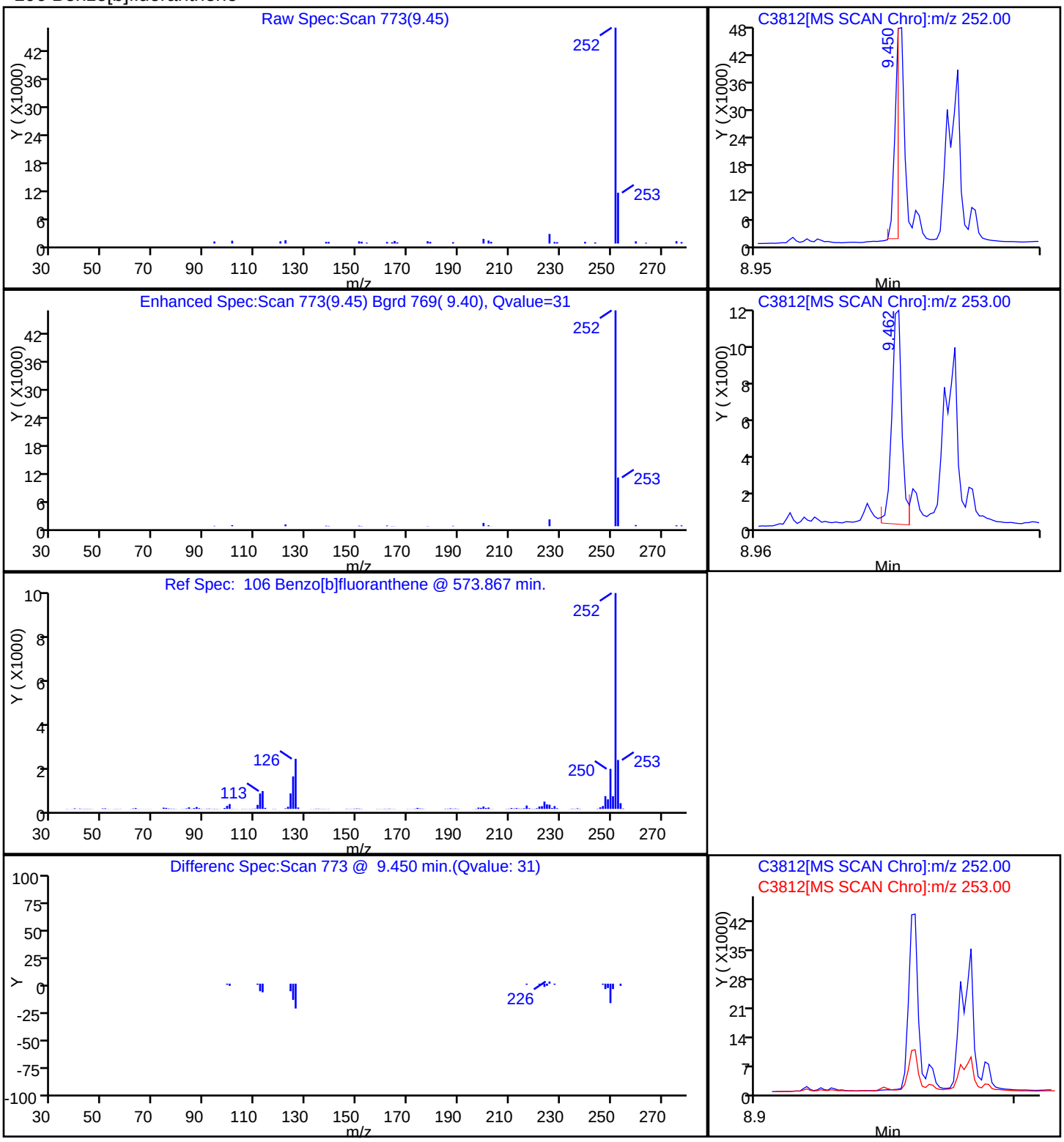
Lims Batch ID: 77268 Lims Sample ID: 13

Operator ID: wds Injection Vol: 1.00 ul

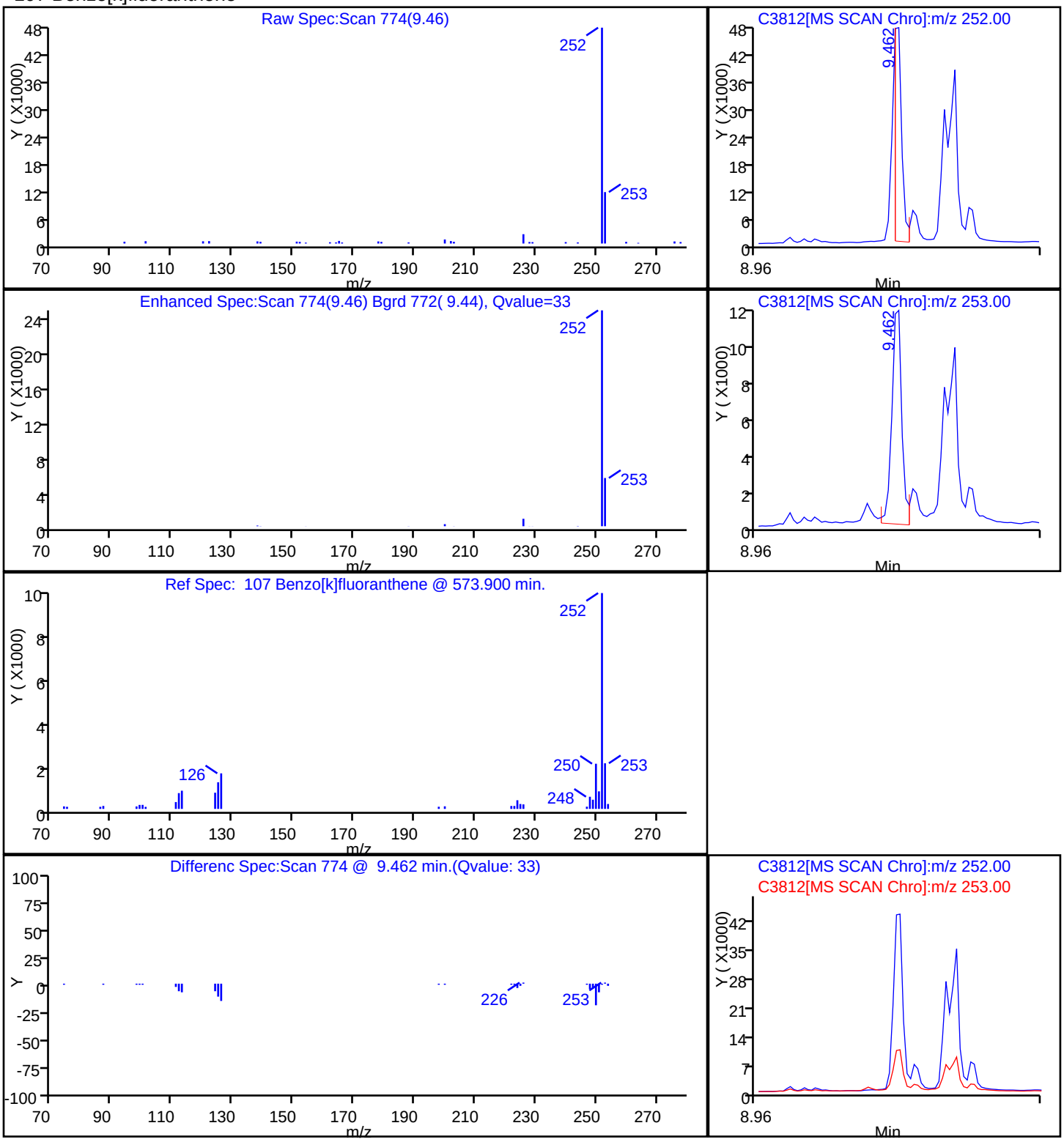
108 Benzo[a]pyrene



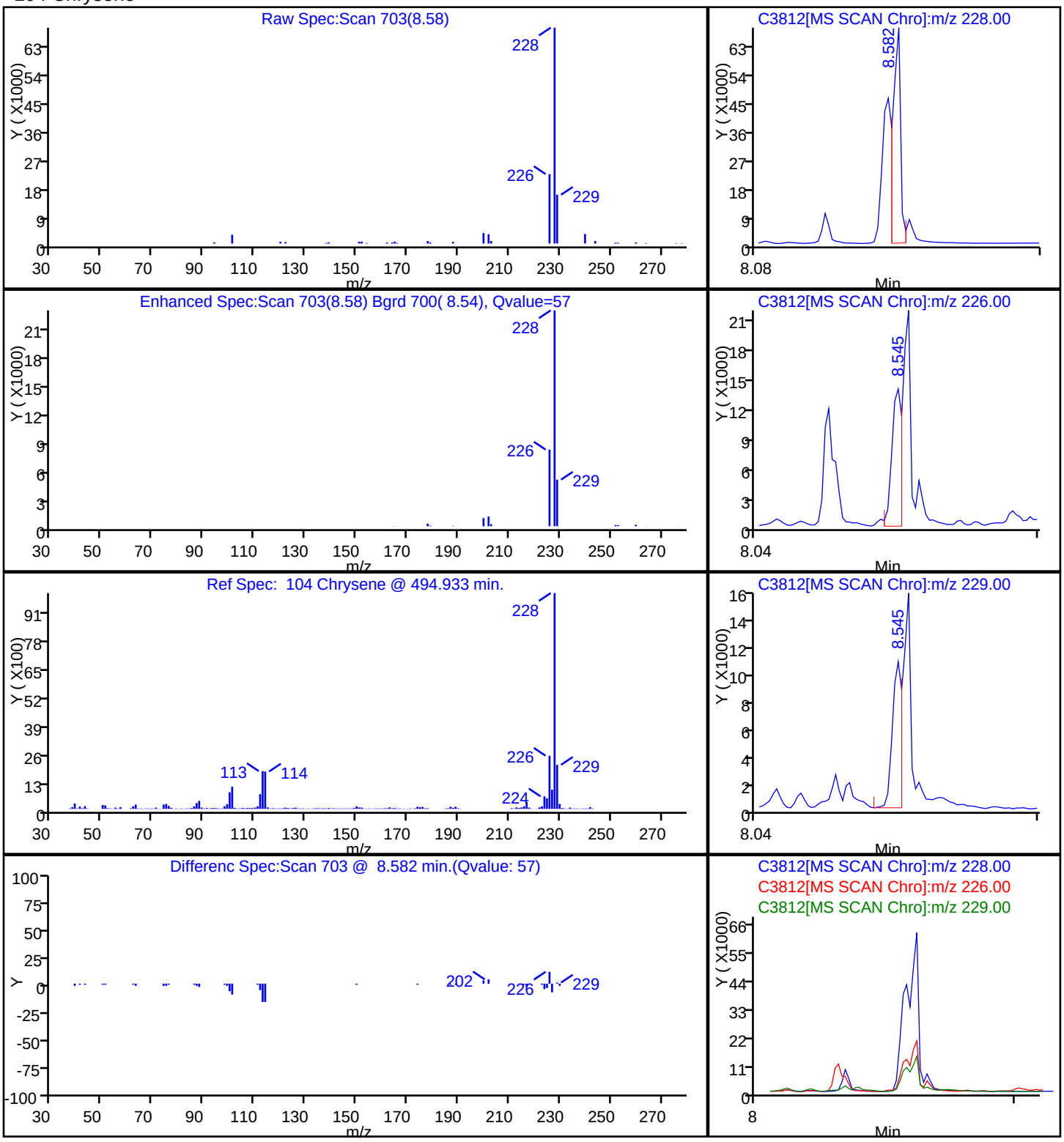
Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
106 Benzo[b]fluoranthene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
107 Benzo[k]fluoranthene

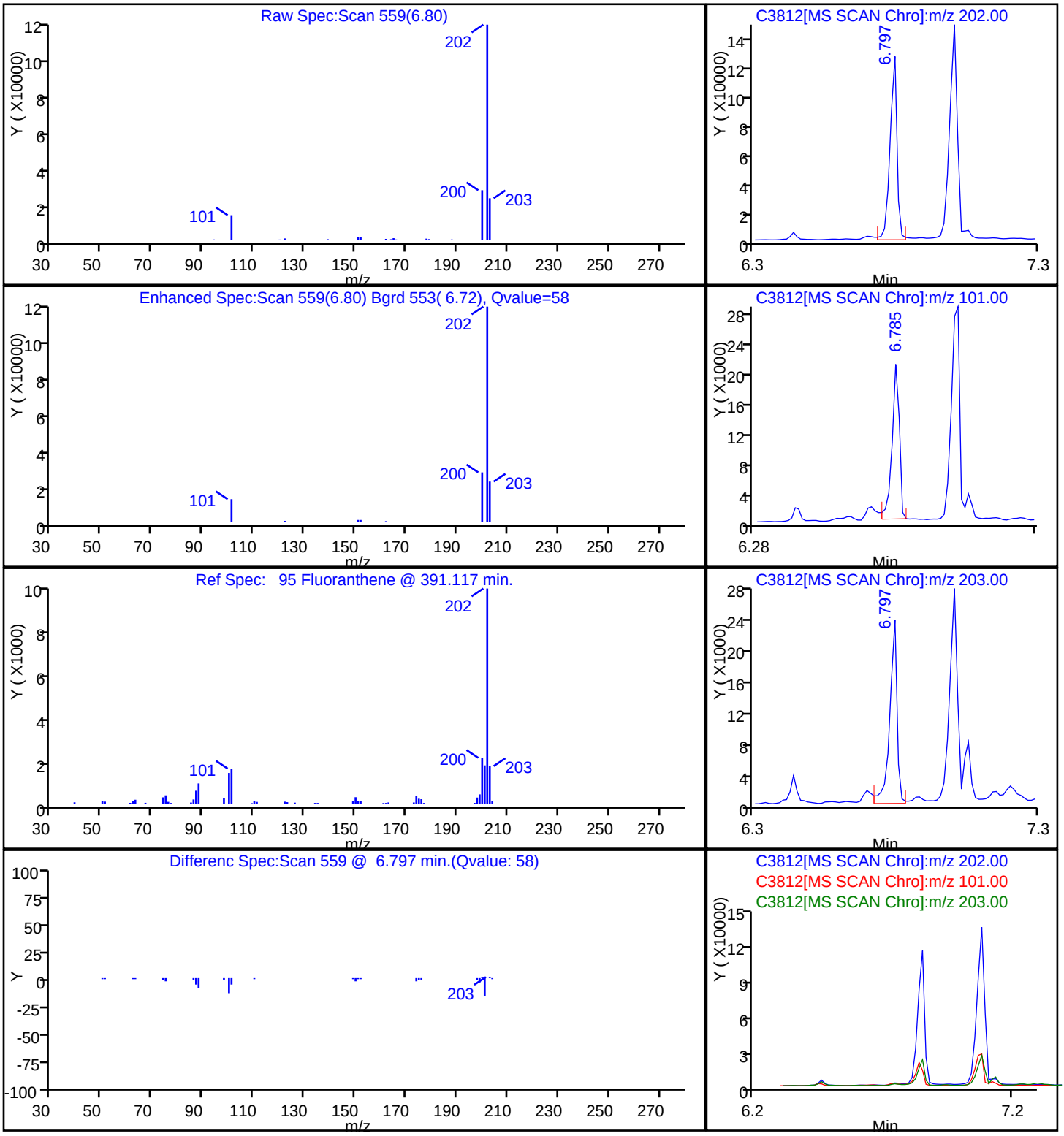


Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
104 Chrysene

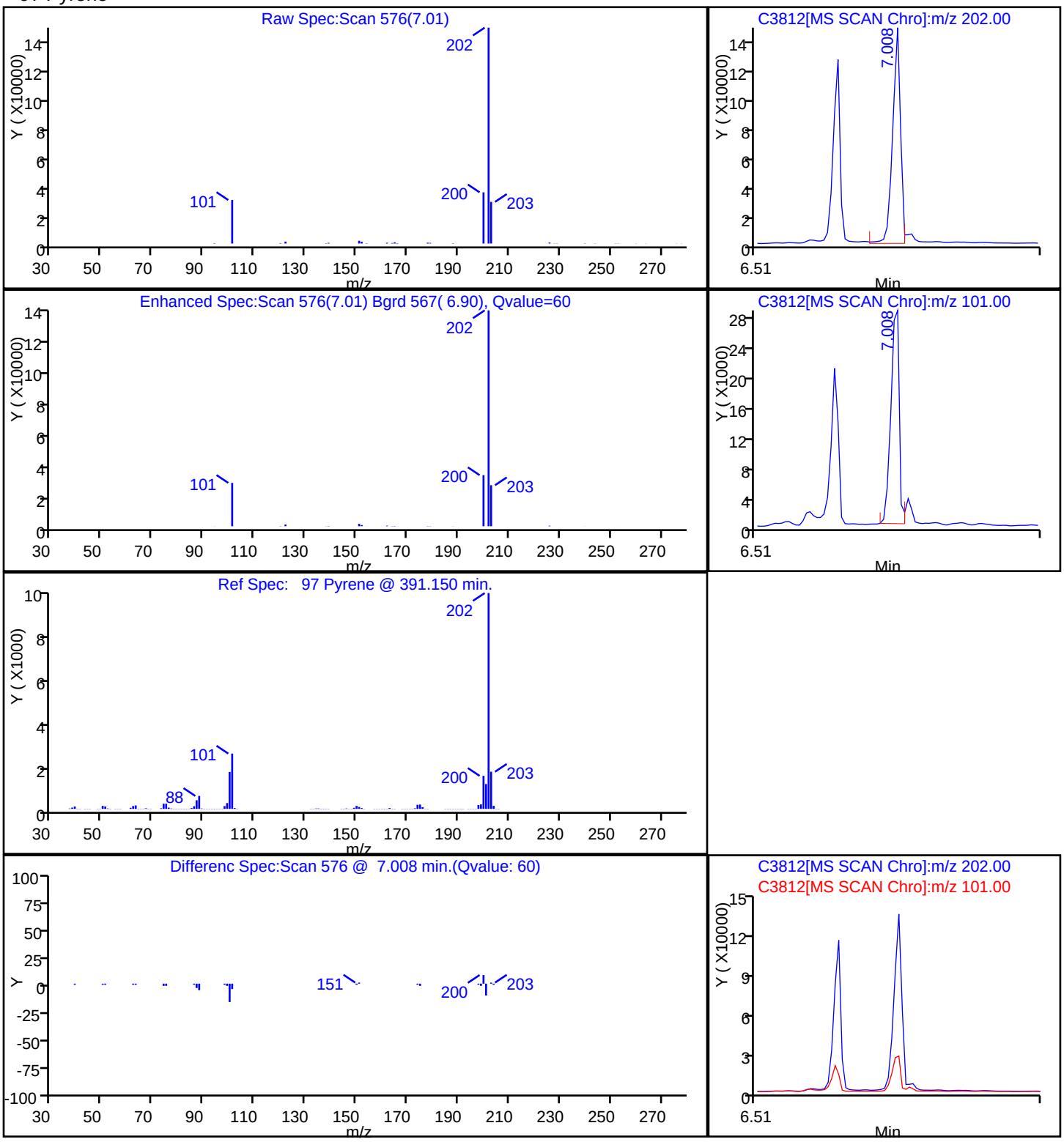


Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul

95 Fluoranthene

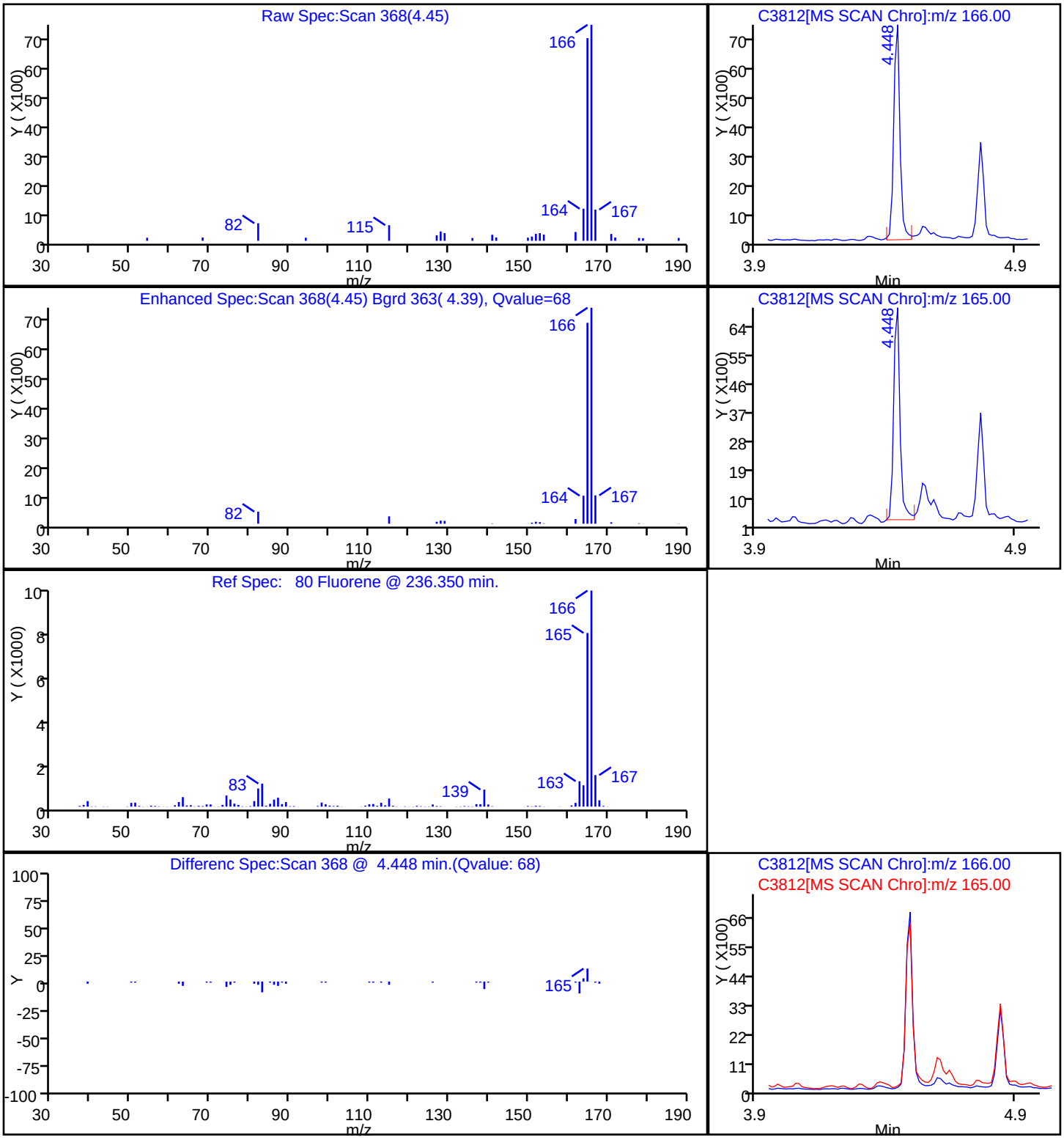


Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul
97 Pyrene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 13
Operator ID: wds Injection Vol: 1.00 ul

80 Fluorene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D

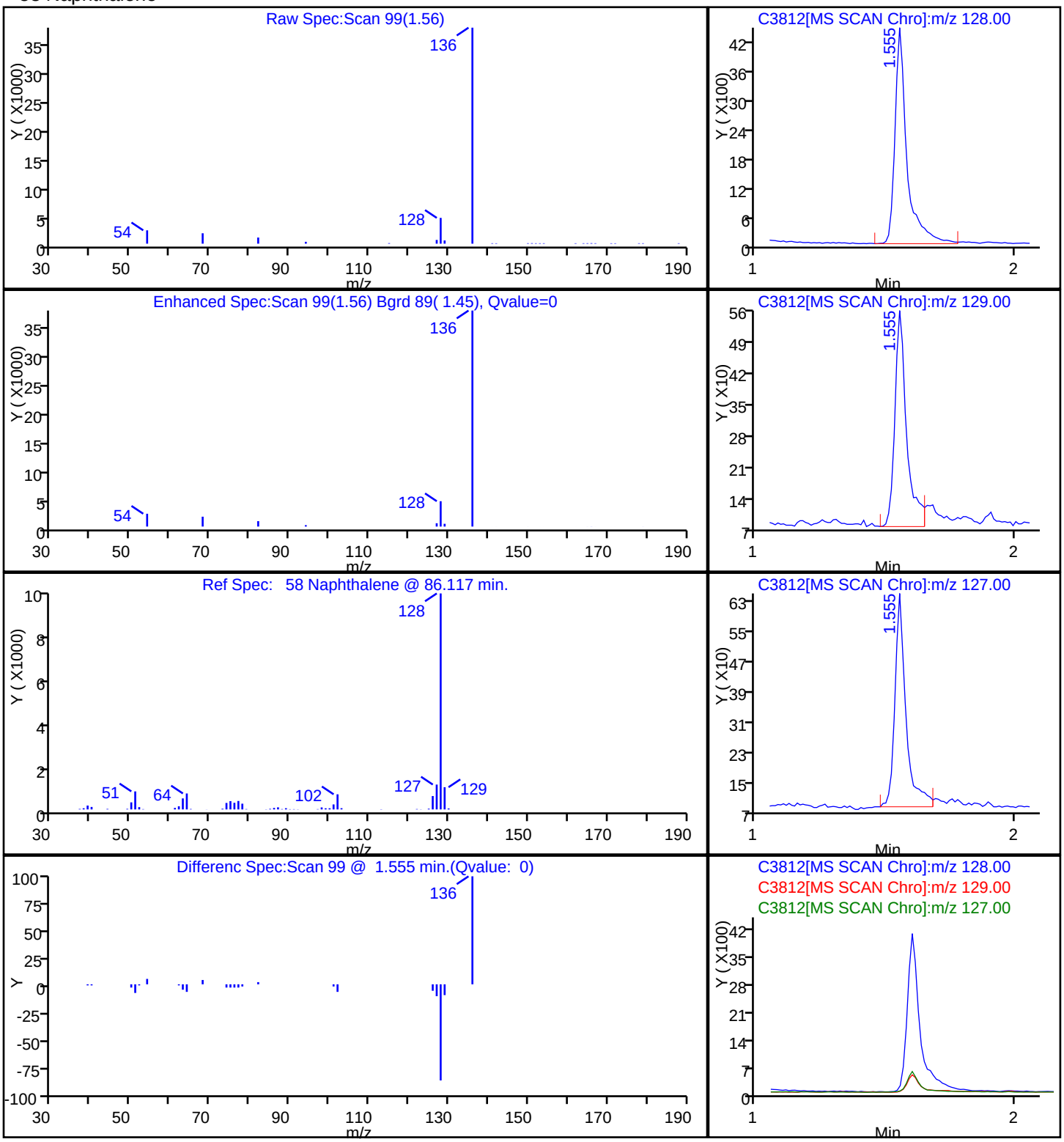
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP1:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 13

Operator ID: wds Injection Vol: 1.00 ul

58 Naphthalene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D

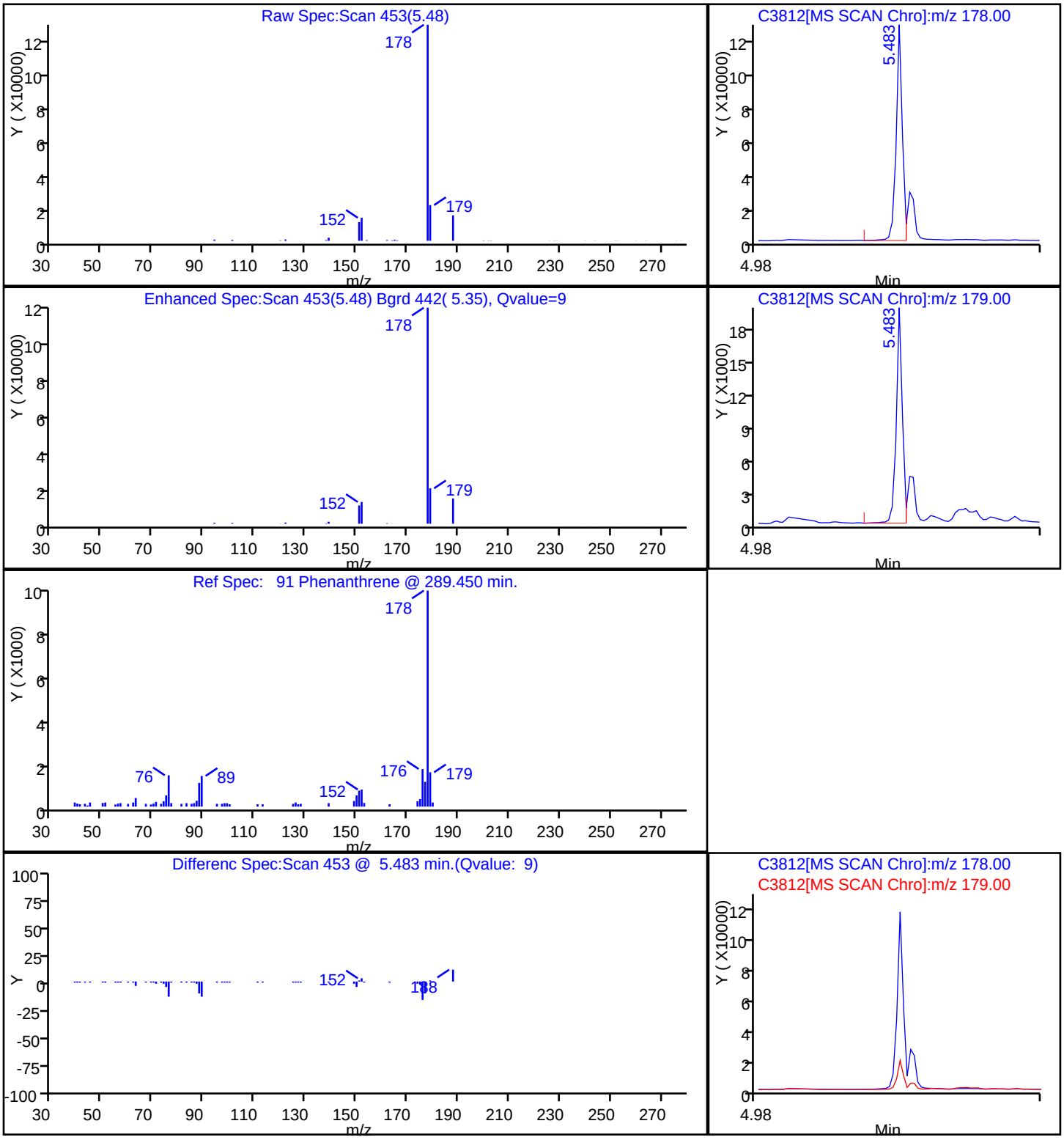
Injection Date: 11-Mar-2011 17:08:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP1:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 13

Operator ID: wds Injection Vol: 1.00 ul

91 Phenanthrene



Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

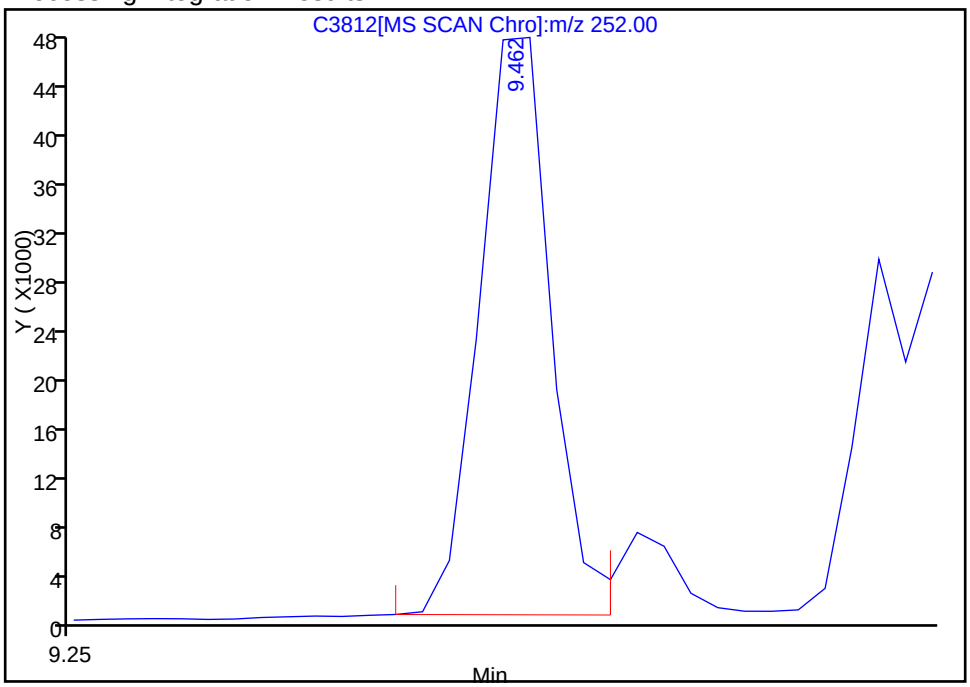
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D		
Injection Date:	11-Mar-2011 17:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.44

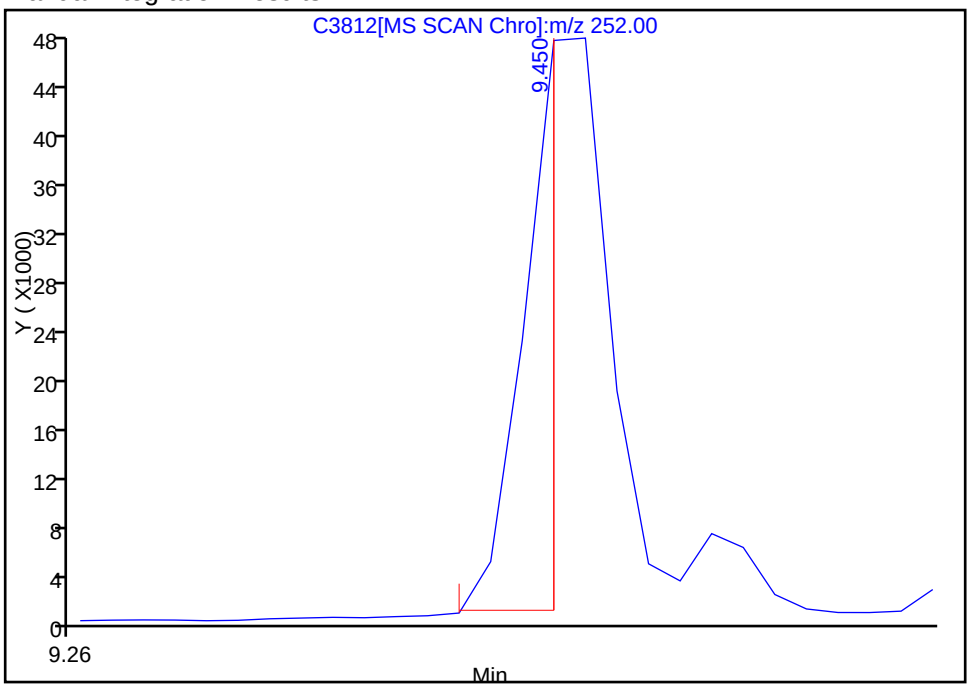
Processing Integration Results

RT: 9.46
Response: 107137
Amount: 42.086242



Manual Integration Results

RT: 9.45
Response: 52712
Amount: 20.799057



Reviewer: squiresb, 14-Mar-2011 09:03:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

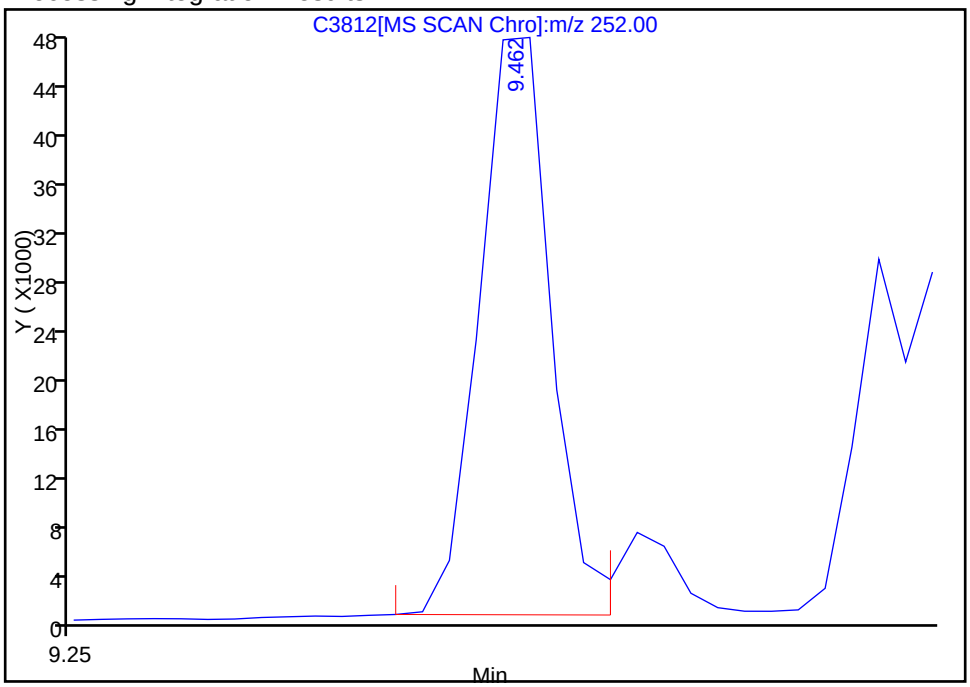
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D		
Injection Date:	11-Mar-2011 17:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.45

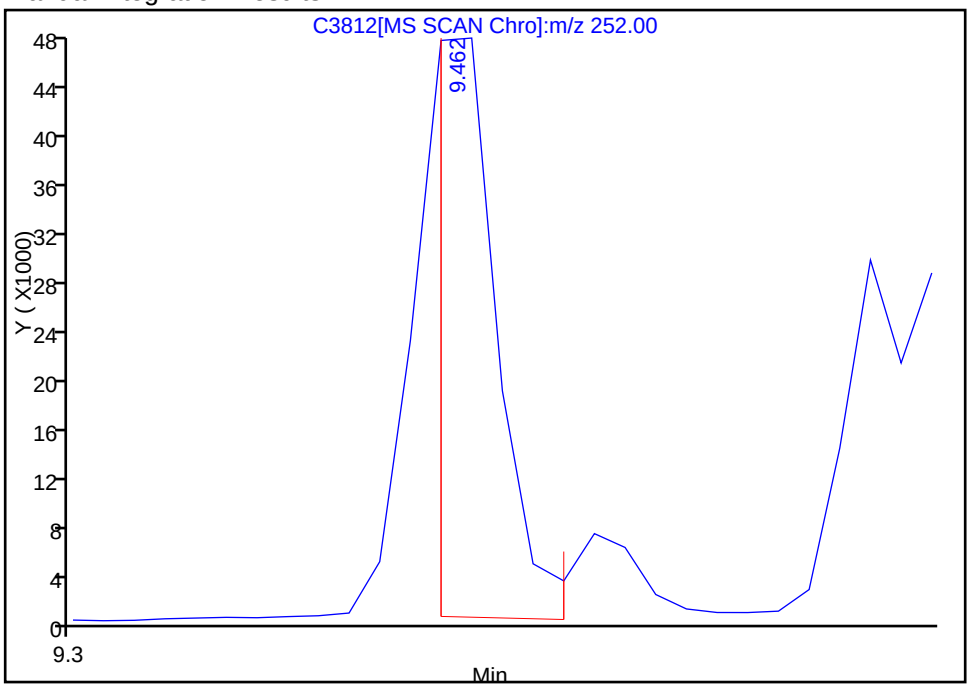
Processing Integration Results

RT: 9.46
Response: 107137
Amount: 30.800050



Manual Integration Results

RT: 9.46
Response: 87886
Amount: 25.265718



Reviewer: squiresb, 14-Mar-2011 09:03:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

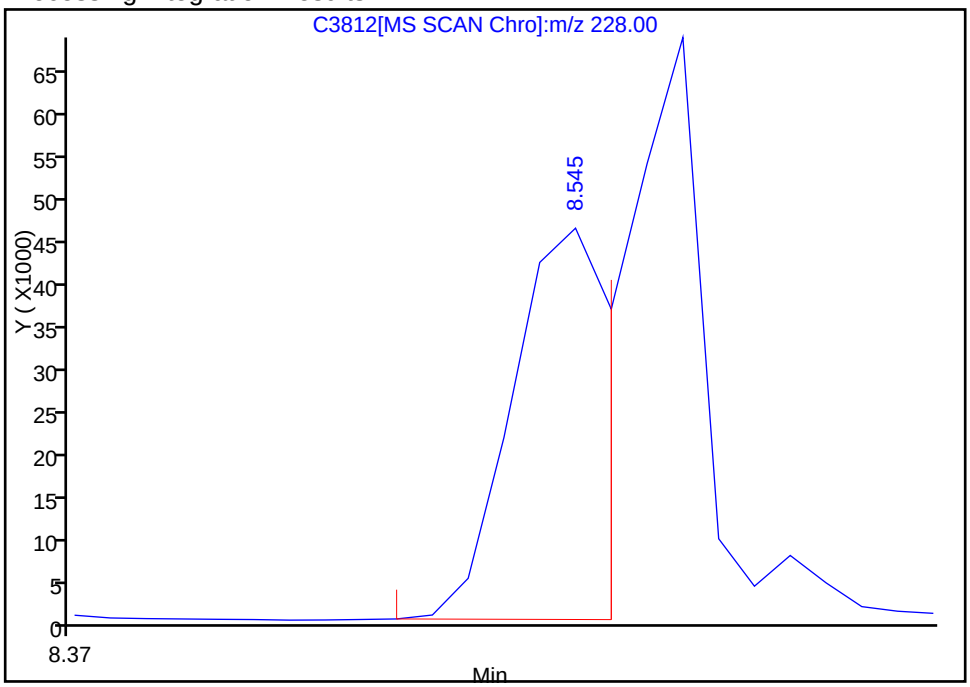
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D		
Injection Date:	11-Mar-2011 17:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.56

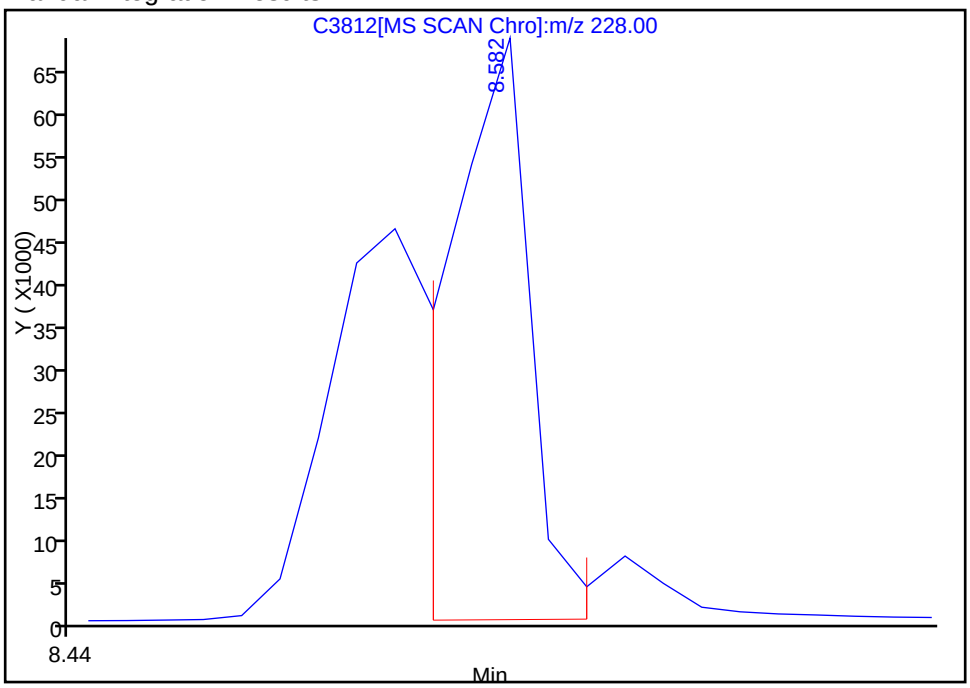
Processing Integration Results

RT: 8.54
Response: 111590
Amount: 35.446330



Manual Integration Results

RT: 8.58
Response: 126768
Amount: 40.267590



Reviewer: squiresb, 14-Mar-2011 09:03:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:00 Chrom Revision: 1.2 29-Oct-2010 14:13:24

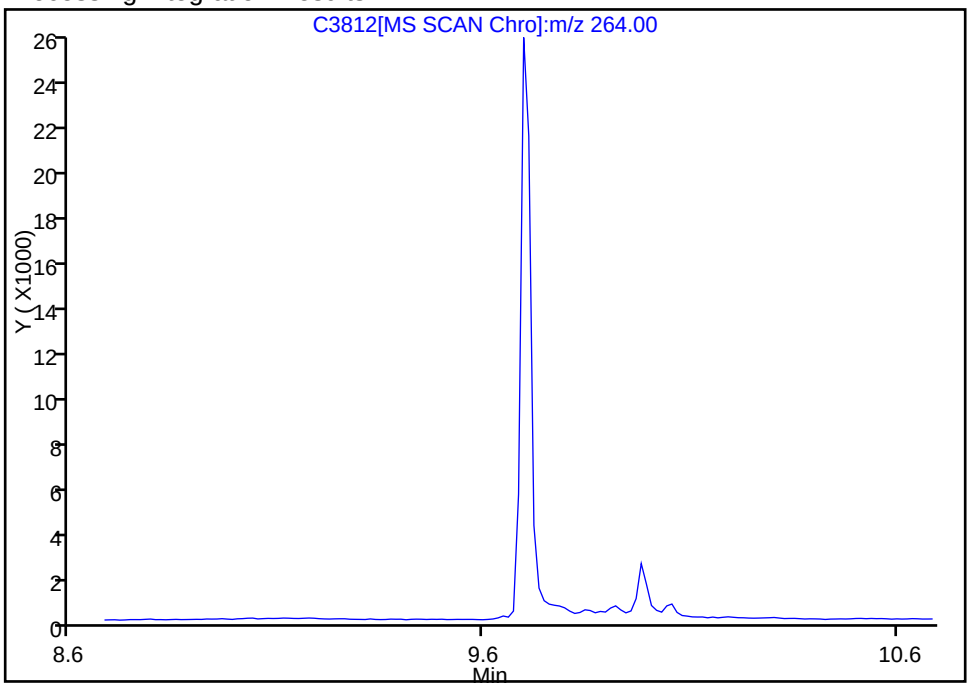
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3812.D		
Injection Date:	11-Mar-2011 17:08:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	13
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 9.68

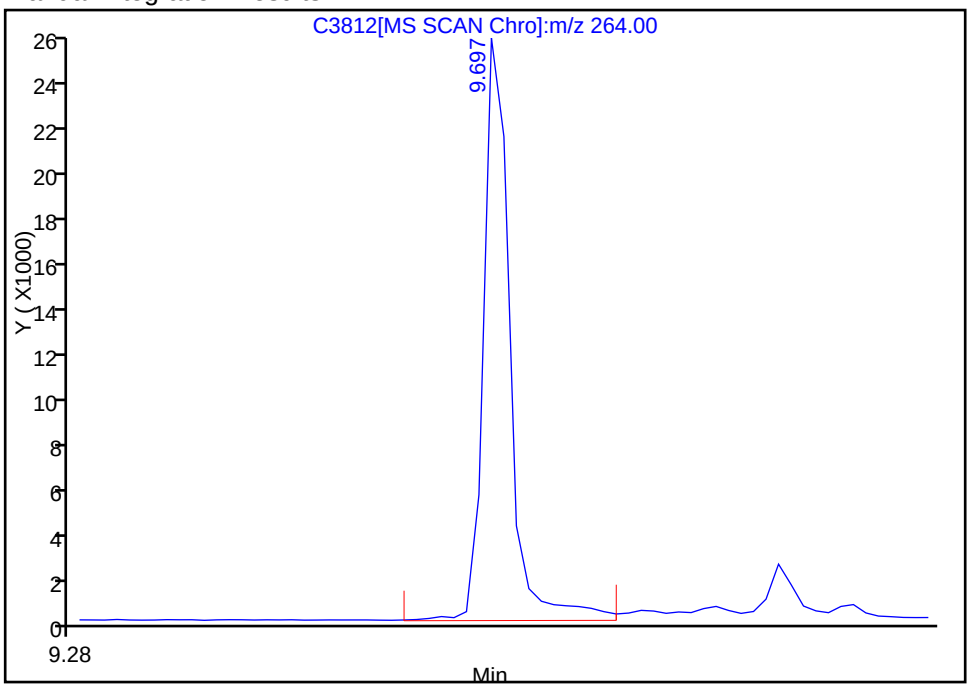
Processing Integration Results

Not Detected
Expected RT: 9.68



Manual Integration Results

RT: 9.70
Response: 46969
Amount: 40.000000



Reviewer: squiresb, 14-Mar-2011 09:03:59
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: C3823.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/14/2011 13:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77355 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	0.60		0.022	0.0025
53-70-3	Dibenz(a,h)anthracene	0.21		0.022	0.0030
193-39-5	Indeno[1,2,3-cd]pyrene	0.54		0.022	0.0025

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D		
Lims ID:	510-62781-J-1-D	Client ID:	SB0058:TP1:000020
Inject. Date:	14-Mar-2011 13:38:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-1		
Misc. Info.:	510-0004534-004 =510-0004534-004		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	77355	Lims Sample ID:	4
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110314-4534.b\SIM-PNAB.m		
Last Update:	14-Mar-2011 15:23:07	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 15:24:55

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 57 Naphthalene-d8									
136	1.520	1.535	-0.014	40	261151	40.0	70.0- 130.0	100.0	
* 73 Acenaphthene-d10									
164	3.822	3.836	-0.014	18	101537	40.0	70.0- 130.0	100.0	
162	3.822	3.836	-0.014		91942		52.6- 112.6	90.6	
* 90 Phenanthrene-d10									
188	5.458	5.457	0.001	4	133174	40.0	70.0- 130.0	100.0	
* 103 Chrysene-d12									
240	8.557	8.543	0.014	12	81217	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									M
264	9.697	9.684	0.013	0	34861	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	10.366	10.353	0.013	17	17916	14.5	70.0- 130.0	100.0	
138	10.354	10.353	0.001		7112		0.0- 56.8	39.7	
111 Dibenz(a,h)anthracene									
278	10.404	10.390	0.014	7	5873	5.68	70.0- 130.0	100.0	
139	10.391	10.390	0.001		1475		0.0- 53.9	25.1	
24 Benzo[g,h,i]perylene									
276	10.490	10.477	0.013	8	18214	16.2	70.0- 130.0	100.0	
138	10.478	10.477	0.001		7892		8.9- 68.9	43.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 15:24:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D

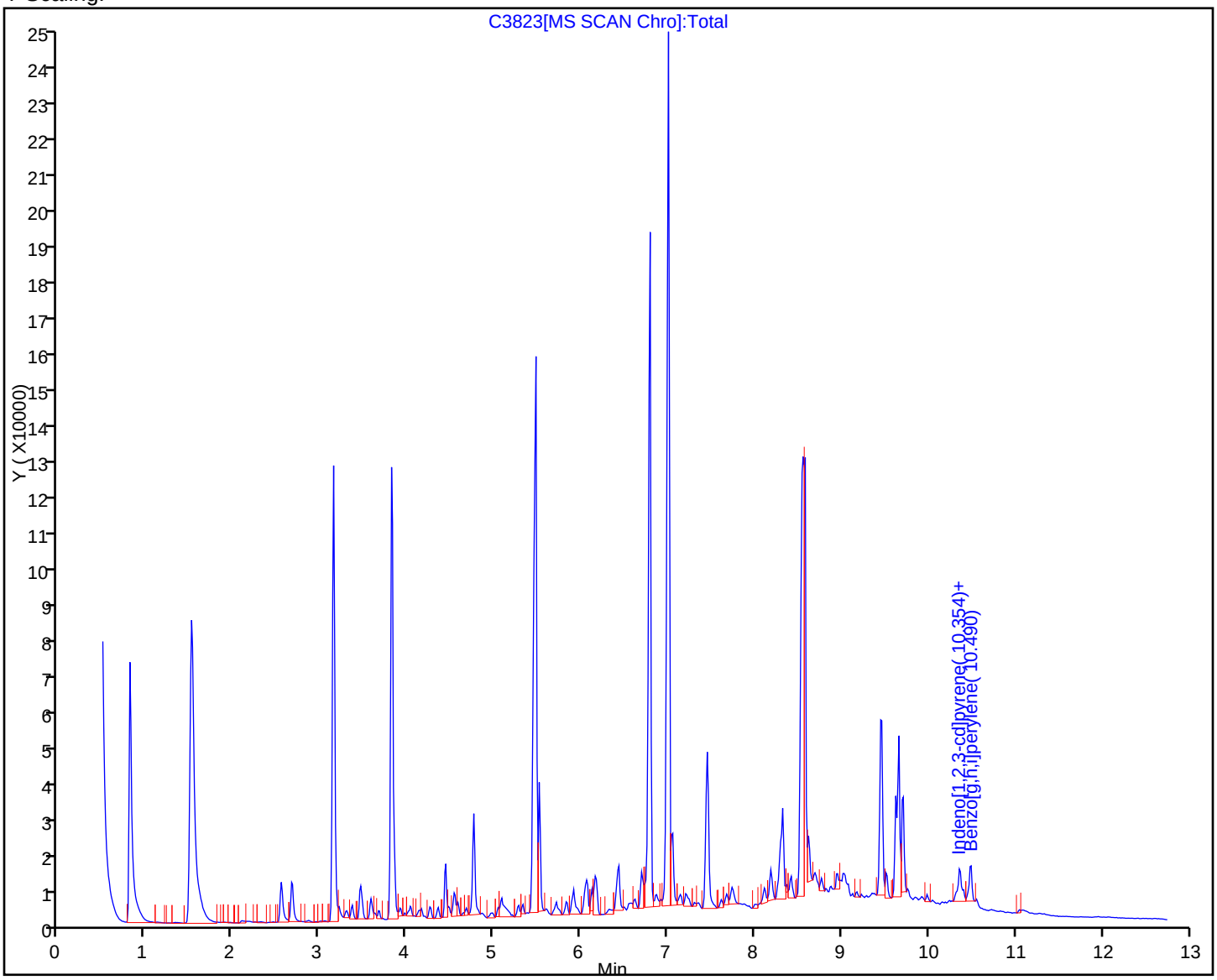
Injection Date: 14-Mar-2011 13:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP1:000020 Instrument ID: SMSB

Lims Batch ID: 77355 Lims Sample ID: 4

Operator ID: wds Injection Vol: 1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 15:24:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D

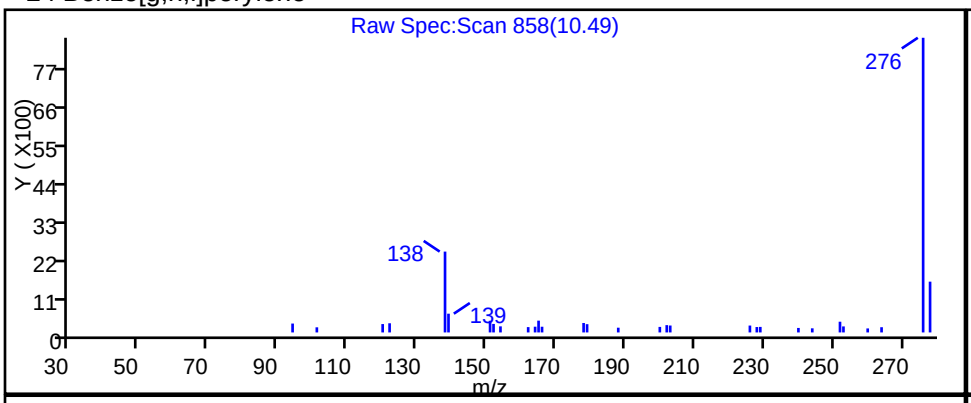
Injection Date: 14-Mar-2011 13:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

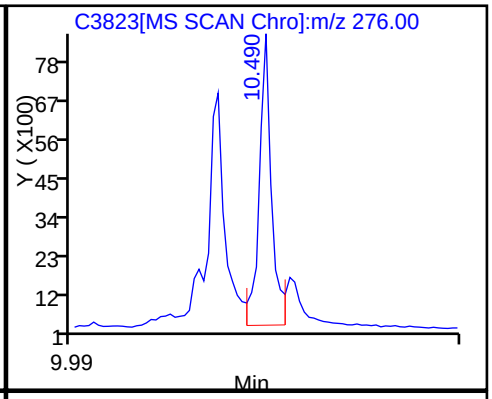
Client ID: SB0058:TP1:000020 Instrument ID: SMSB

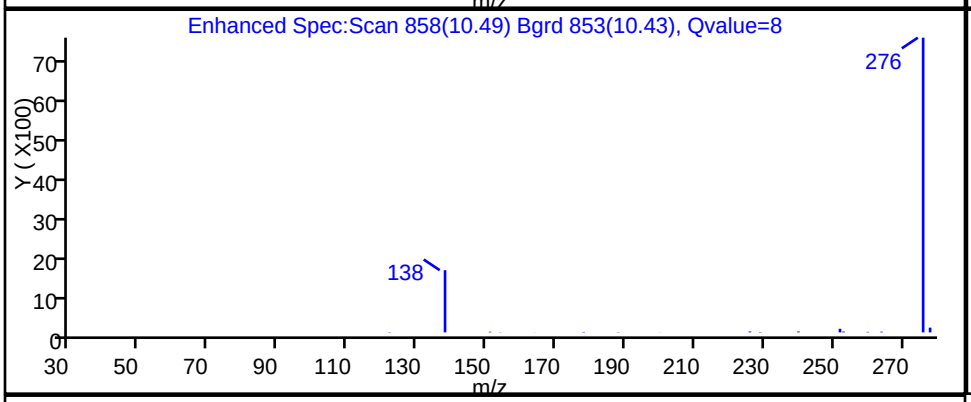
Lims Batch ID: 77355 Lims Sample ID: 4

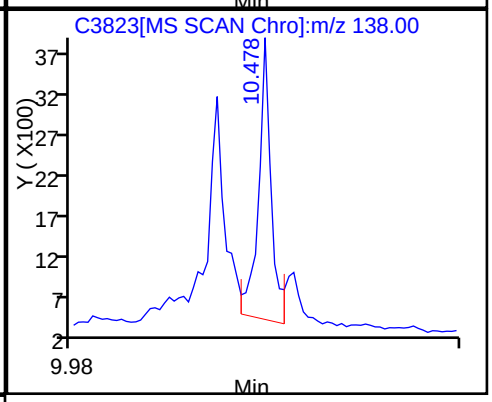
Operator ID: wds Injection Vol: 1.00 ul

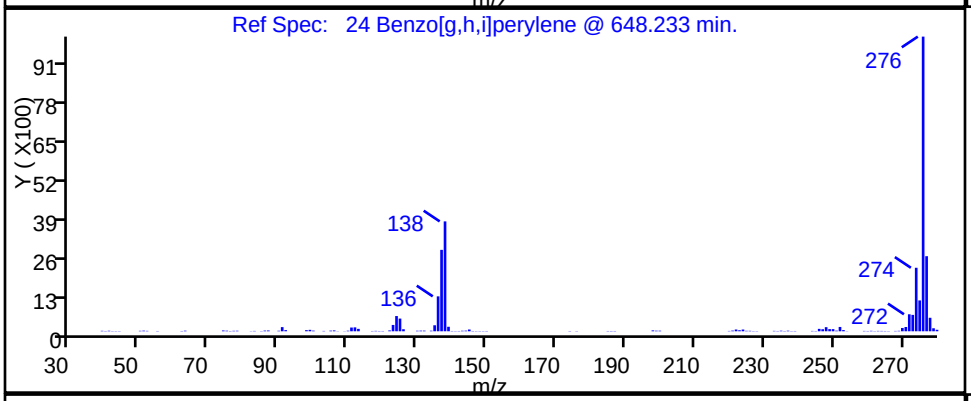
24 Benzo[g,h,i]perylene

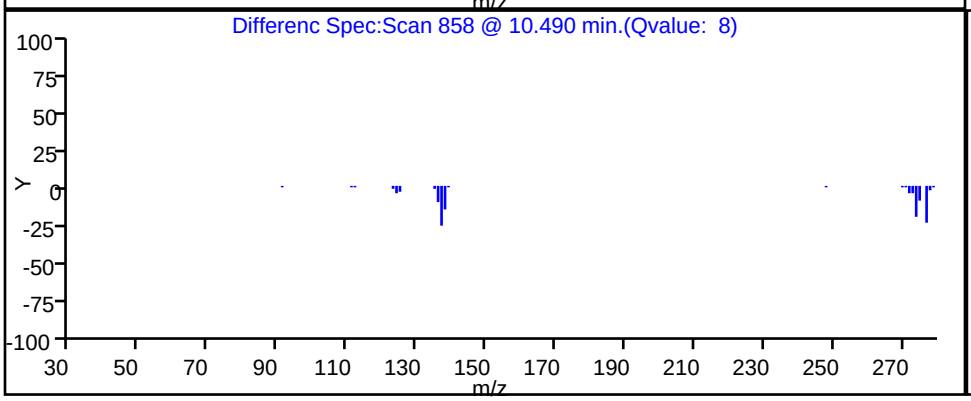


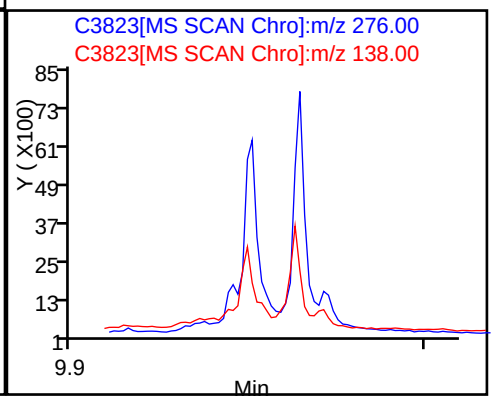






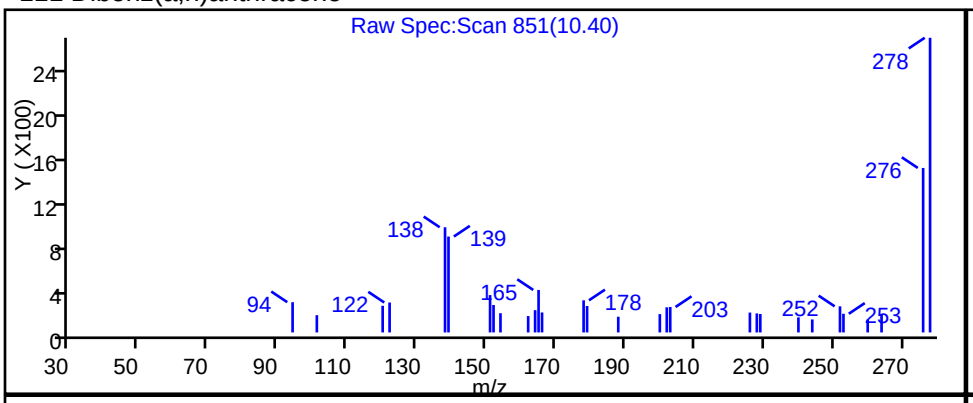


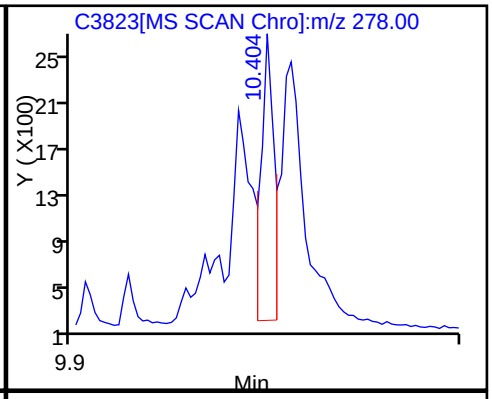


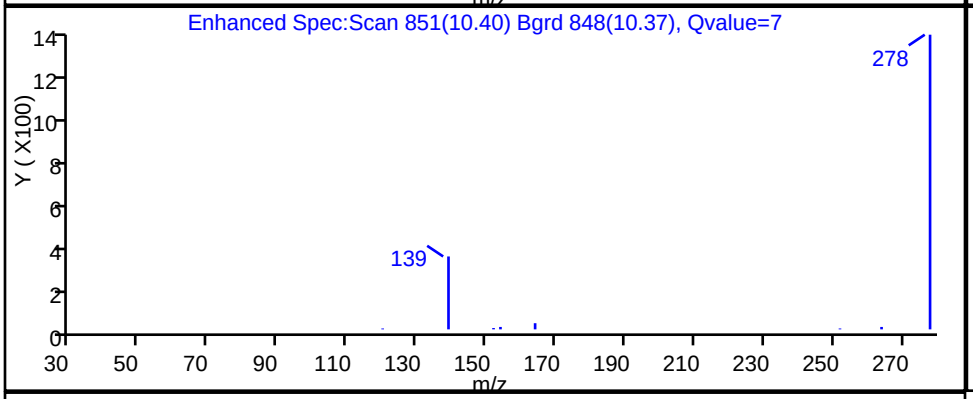


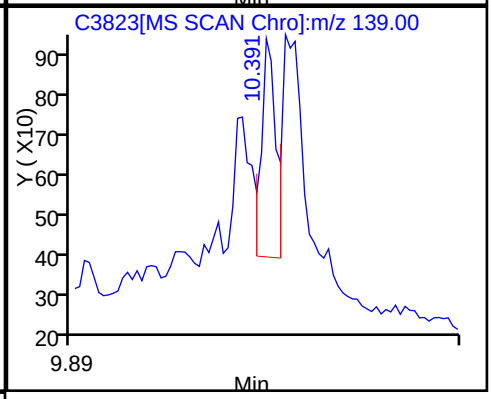
Report Date: 14-Mar-2011 15:24:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D
Injection Date: 14-Mar-2011 13:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77355 Lims Sample ID: 4
Operator ID: wds Injection Vol: 1.00 ul

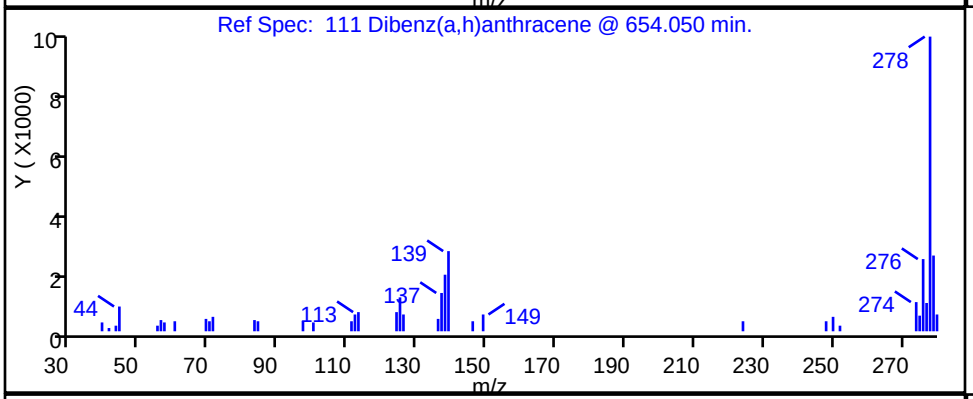
111 Dibenz(a,h)anthracene

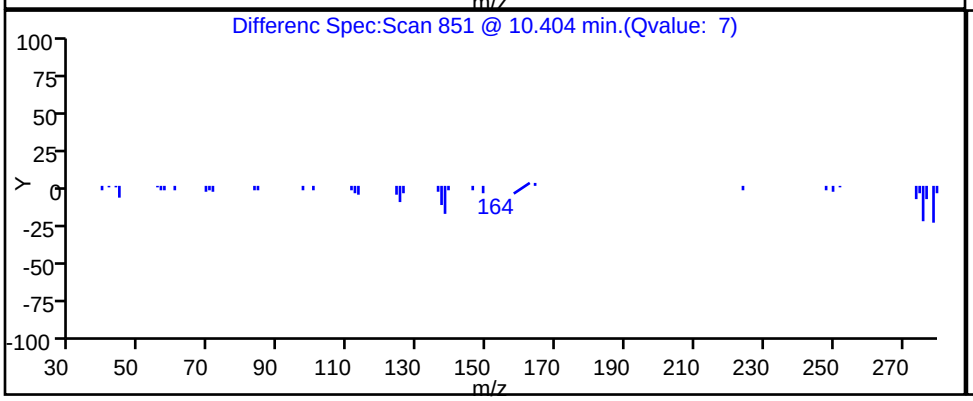


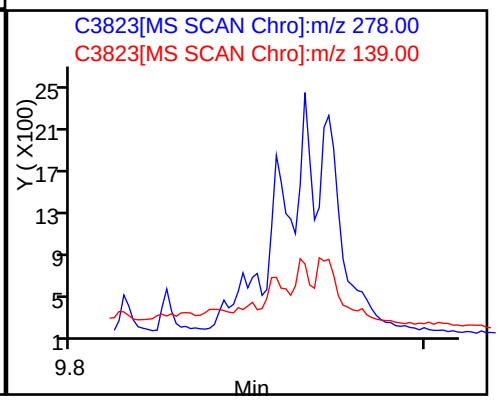




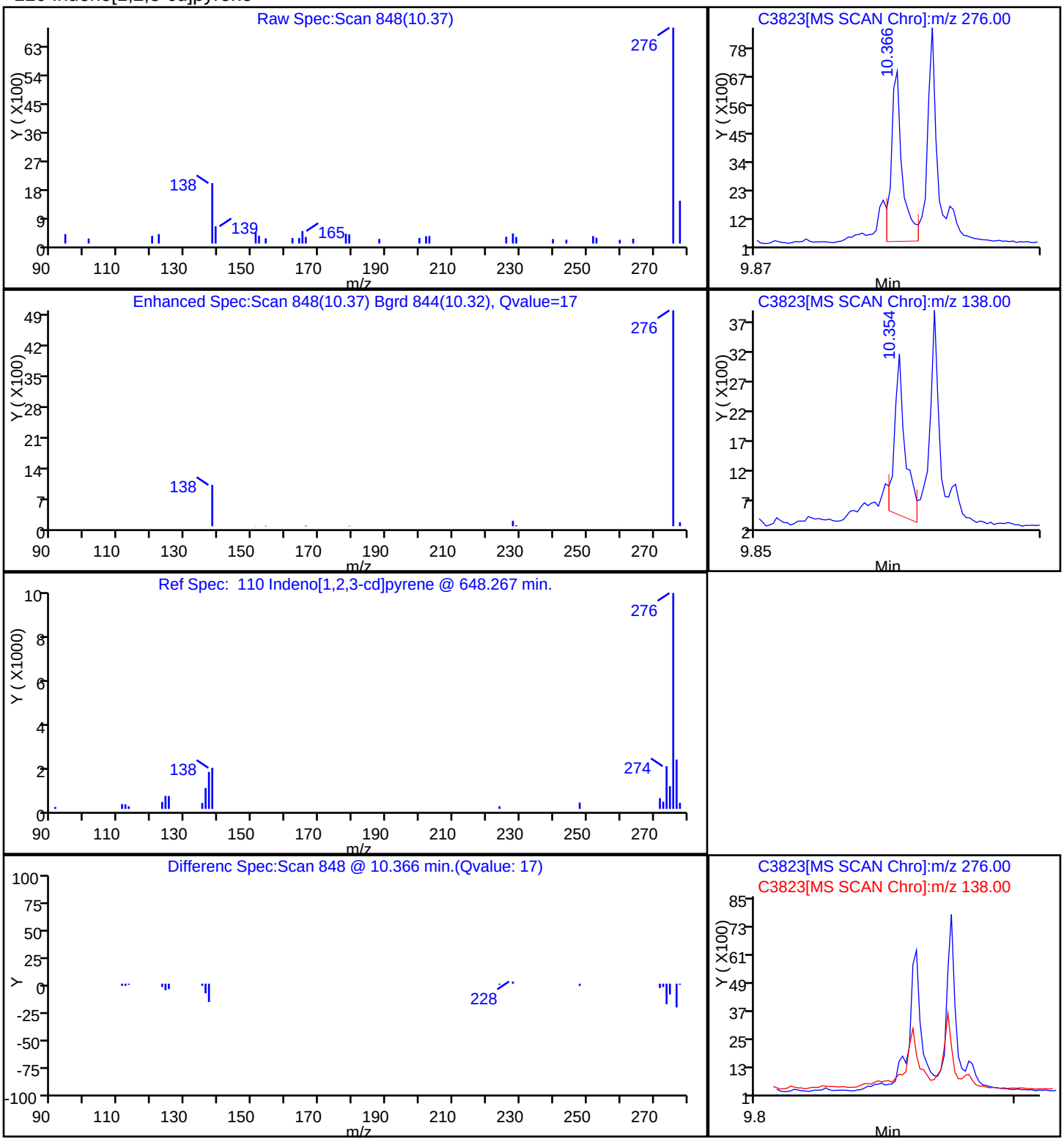








Report Date: 14-Mar-2011 15:24:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D
Injection Date: 14-Mar-2011 13:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP1:000020 Instrument ID: SMSB
Lims Batch ID: 77355 Lims Sample ID: 4
Operator ID: wds Injection Vol: 1.00 ul
110 Indeno[1,2,3-cd]pyrene



Report Date: 14-Mar-2011 15:24:55 Chrom Revision: 1.2 29-Oct-2010 14:13:24

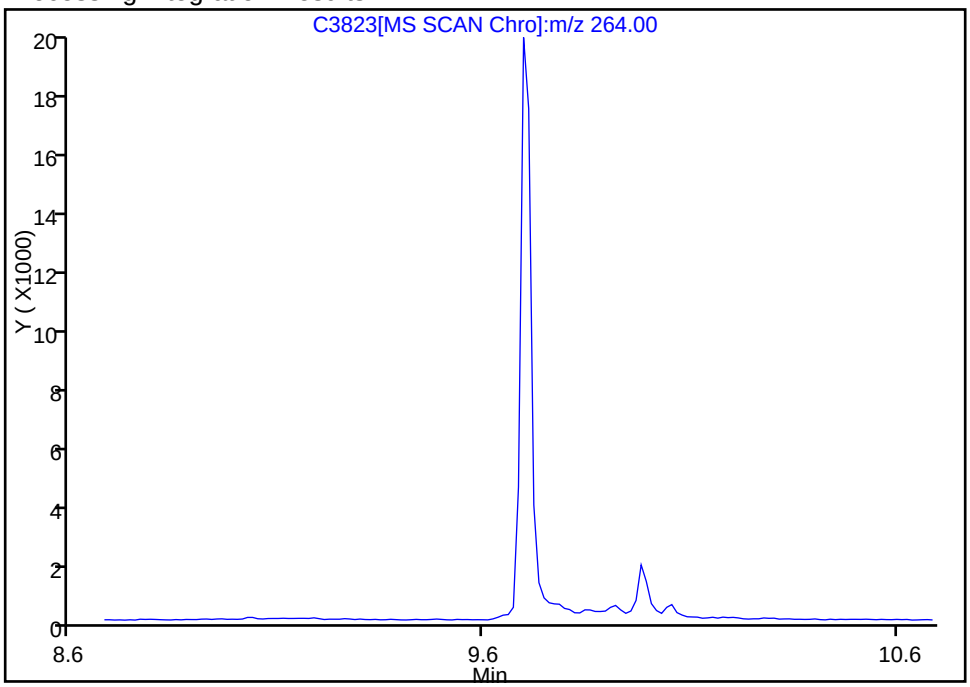
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3823.D		
Injection Date:	14-Mar-2011 13:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77355	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 9.68

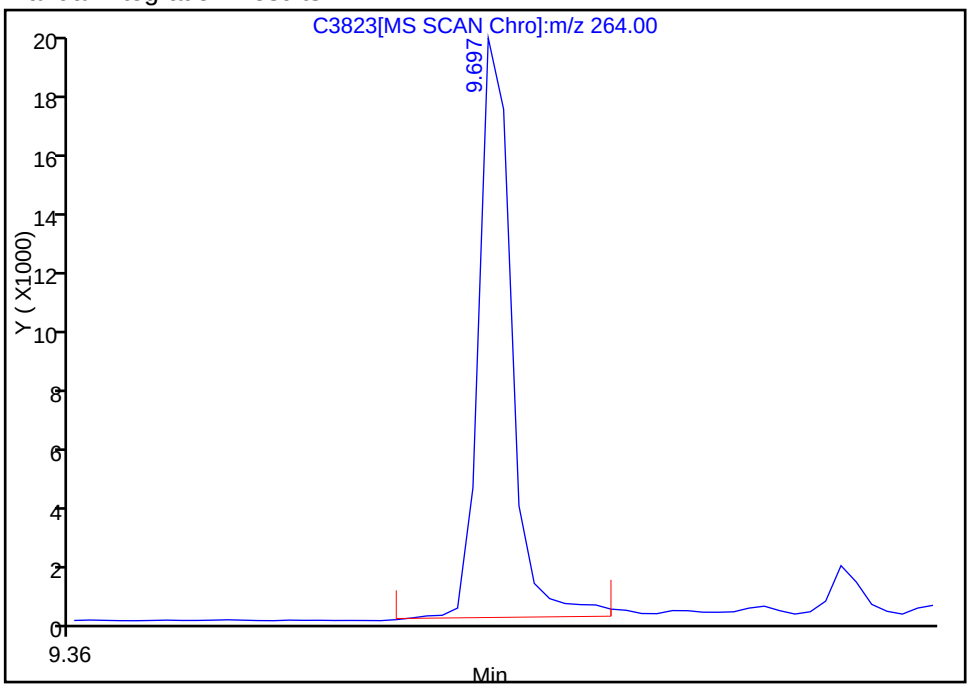
Processing Integration Results

Not Detected
Expected RT: 9.68



Manual Integration Results

RT: 9.70
Response: 34861
Amount: 40.000000



Reviewer: squiresb, 14-Mar-2011 15:23:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: C3815.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:20

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.72(g) | Date Analyzed: 03/11/2011 18:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.022		0.022	0.0028
208-96-8	Acenaphthylene	<0.022		0.022	0.0034
120-12-7	Anthracene	<0.022		0.022	0.0035
56-55-3	Benzo[a]anthracene	<0.022		0.022	0.0023
50-32-8	Benzo[a]pyrene	<0.022		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	<0.022		0.022	0.0032
191-24-2	Benzo[g,h,i]perylene	<0.022		0.022	0.0024
207-08-9	Benzo[k]fluoranthene	<0.022		0.022	0.0023
218-01-9	Chrysene	<0.022		0.022	0.0022
53-70-3	Dibenz(a,h)anthracene	<0.022		0.022	0.0030
206-44-0	Fluoranthene	<0.022		0.022	0.0044
129-00-0	Pyrene	<0.022		0.022	0.0040
86-73-7	Fluorene	<0.022		0.022	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	<0.022		0.022	0.0024
91-20-3	Naphthalene	<0.022		0.022	0.0035
85-01-8	Phenanthrene	<0.022		0.022	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		10-194
4165-60-0	Nitrobenzene-d5	68		10-117
321-60-8	2-Fluorobiphenyl	89		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3815.D		
Lims ID:	510-62781-J-2-B	Client ID:	SB0058:TP1:040050
Inject. Date:	11-Mar-2011 18:01:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-2		
Misc. Info.:	510-0004521-016 =510-0004521-016		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	77268	Lims Sample ID:	16
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 09:06:10

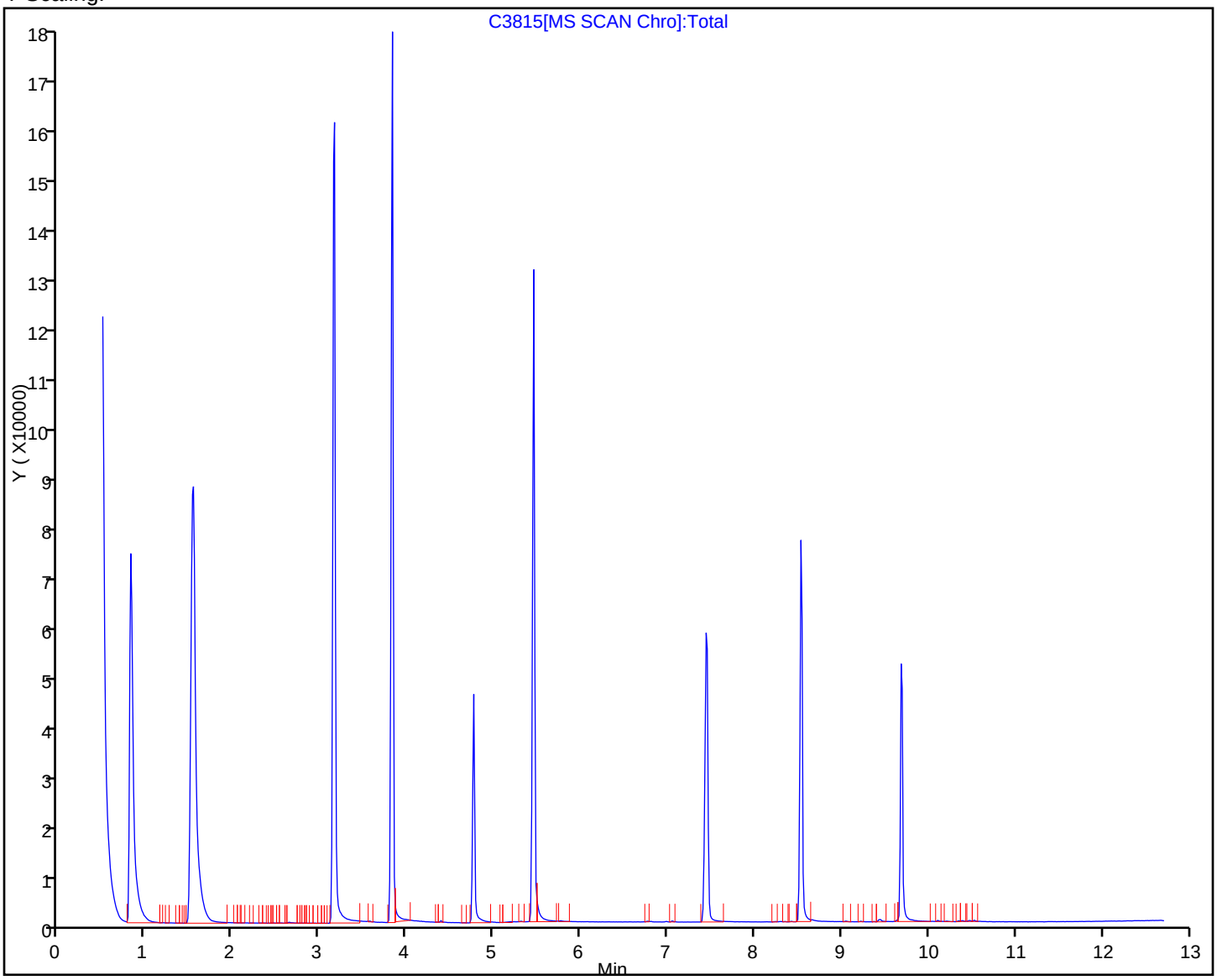
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.821	0.820	0.001	30	97648	34.2	70.0- 130.0	100.0	
128	0.821	0.820	0.001		63394		1742.7-1802.7	64.9	
54	0.821	0.820	0.001		51660		201.8- 261.8	52.9	
* 57 Naphthalene-d8									
136	1.541	1.541	0.001	40	295709	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	3.165	3.164	0.001	44	210631	44.4			
* 73 Acenaphthene-d10									
164	3.832	3.831	0.001	18	123987	40.0	70.0- 130.0	100.0	
162	3.832	3.831	0.001		111816		52.3- 112.3	90.2	
* 90 Phenanthrene-d10									
188	5.458	5.458	0.000	4	185227	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	7.454	7.429	0.025	46	91621	34.9	70.0- 130.0	100.0	
122	7.441	7.429	0.012		21833		0.0- 52.7	23.8	
* 103 Chrysene-d12									
240	8.532	8.532	0.000	11	110231	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	9.685	9.684	0.001	25	72789	40.0	70.0- 130.0	100.0	

Report Date: 14-Mar-2011 09:06:10 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3815.D

Injection Date:	11-Mar-2011 18:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	16
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: C3816.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:40

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/11/2011 18:19

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.023		0.023	0.0028
208-96-8	Acenaphthylene	0.032		0.023	0.0035
120-12-7	Anthracene	0.12		0.023	0.0036
56-55-3	Benzo[a]anthracene	0.37		0.023	0.0024
50-32-8	Benzo[a]pyrene	0.84		0.023	0.0019
205-99-2	Benzo[b]fluoranthene	0.73		0.023	0.0033
207-08-9	Benzo[k]fluoranthene	0.69		0.023	0.0023
218-01-9	Chrysene	0.64		0.023	0.0022
206-44-0	Fluoranthene	0.28		0.023	0.0045
129-00-0	Pyrene	0.35		0.023	0.0042
86-73-7	Fluorene	0.024		0.023	0.0030
91-20-3	Naphthalene	<0.023		0.023	0.0037
85-01-8	Phenanthrene	0.15		0.023	0.0035

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	61		10-194
4165-60-0	Nitrobenzene-d5	59		10-117
321-60-8	2-Fluorobiphenyl	76		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D		
Lims ID:	510-62781-J-3-B	Client ID:	SB0058:TP2:000020
Inject. Date:	11-Mar-2011 18:19:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-3		
Misc. Info.:	510-0004521-017 =510-0004521-017		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	77268	Lims Sample ID:	17
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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:	14-Mar-2011 09:07:03

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.814	0.820	-0.006	32	84337	29.5	70.0- 130.0	100.0	
128	0.825	0.820	0.005		55464		1742.7-1802.7	65.8	
54	0.814	0.820	-0.006		44734		201.8- 261.8	53.0	
* 57 Naphthalene-d8									
136	1.535	1.541	-0.005	40	296860	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	3.159	3.164	-0.006	44	190658	38.2			
71 Acenaphthylene									
152	3.632	3.626	0.006	76	5621	0.8475	70.0- 130.0	100.0	
151	3.632	3.626	0.006		1022		0.0- 49.2	18.2	
* 73 Acenaphthene-d10									
164	3.836	3.831	0.005	17	125808	40.0	70.0- 130.0	100.0	
162	3.825	3.831	-0.006		113581		52.3- 112.3	90.3	
80 Fluorene									
166	4.449	4.444	0.005	66	2750	0.6453	70.0- 130.0	100.0	
165	4.449	4.444	0.005		2757		62.1- 122.1	100.3	
* 90 Phenanthrene-d10									
188	5.457	5.458	-0.001	4	175594	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.482	5.470	0.012	9	22800	4.00	70.0- 130.0	100.0	
179	5.482	5.470	0.012		3657		0.0- 45.5	16.0	
92 Anthracene									
178	5.519	5.520	-0.001	1	19009	3.19	70.0- 130.0	100.0	
179	5.519	5.520	-0.001		2852		0.0- 45.2	15.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
95 Fluoranthene									
202	6.771	6.772	-0.001	60	37623	7.46	70.0- 130.0	100.0	
101	6.771	6.772	-0.001		6143		0.0- 49.2	16.3	
203	6.771	6.772	-0.001		6750		0.0- 47.1	17.9	
97 Pyrene									
202	6.982	6.982	0.000	60	46518	9.25	70.0- 130.0	100.0	
101	6.982	6.982	0.000		8629		0.0- 49.2	18.5	
$ 98 Terphenyl-d14									
244	7.453	7.429	0.024	45	75994	30.7	70.0- 130.0	100.0	
122	7.440	7.429	0.011		18121		0.0- 52.7	23.8	
101 Benzo[a]anthracene									M
228	8.531	8.531	0.012	59	39144	9.73	70.0- 130.0	100.0	M
229	8.568	8.531	0.049		13410		0.0- 50.5	34.3	
226	8.568	8.531	0.049		23077		0.3- 60.3	59.0	
* 103 Chrysene-d12									
240	8.556	8.532	0.024	14	104208	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.568	8.556	0.012	55	71382	17.2	70.0- 130.0	100.0	
226	8.568	8.556	0.012		23077		1.2- 61.2	32.3	
229	8.568	8.556	0.012		13410		0.0- 52.1	18.8	
106 Benzo[b]fluoranthene									M
252	9.448	9.448	0.012	31	70418	19.5	70.0- 130.0	100.0	M
253	9.448	9.448	0.012		30222		0.0- 51.8	42.9	
107 Benzo[k]fluoranthene									M
252	9.448	9.448	-0.001	33	91807	18.5	70.0- 130.0	100.0	M
253	9.448	9.448	-0.001		30222		0.0- 51.8	32.9	
108 Benzo[a]pyrene									
252	9.659	9.635	0.024	1	67923	22.3	70.0- 130.0	100.0	
253	9.659	9.635	0.024		18318		0.0- 51.8	27.0	
* 109 Perylene-d12									
264	9.708	9.684	0.024	24	66933	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	10.365	10.341	0.024	16	26258	11.2	70.0- 130.0	100.0	
138	10.353	10.341	0.012		11054		10.0- 70.0	42.1	
111 Dibenz(a,h)anthracene									
278	10.403	10.391	0.012	7	9537	4.83	70.0- 130.0	100.0	
139	10.390	10.391	-0.001		2560		2.2- 62.2	26.8	
24 Benzo[g,h,i]perylene									
276	10.489	10.465	0.024	6	24353	11.3	70.0- 130.0	100.0	
138	10.477	10.465	0.012		10495		10.0- 70.0	43.1	

QC Flag Legend

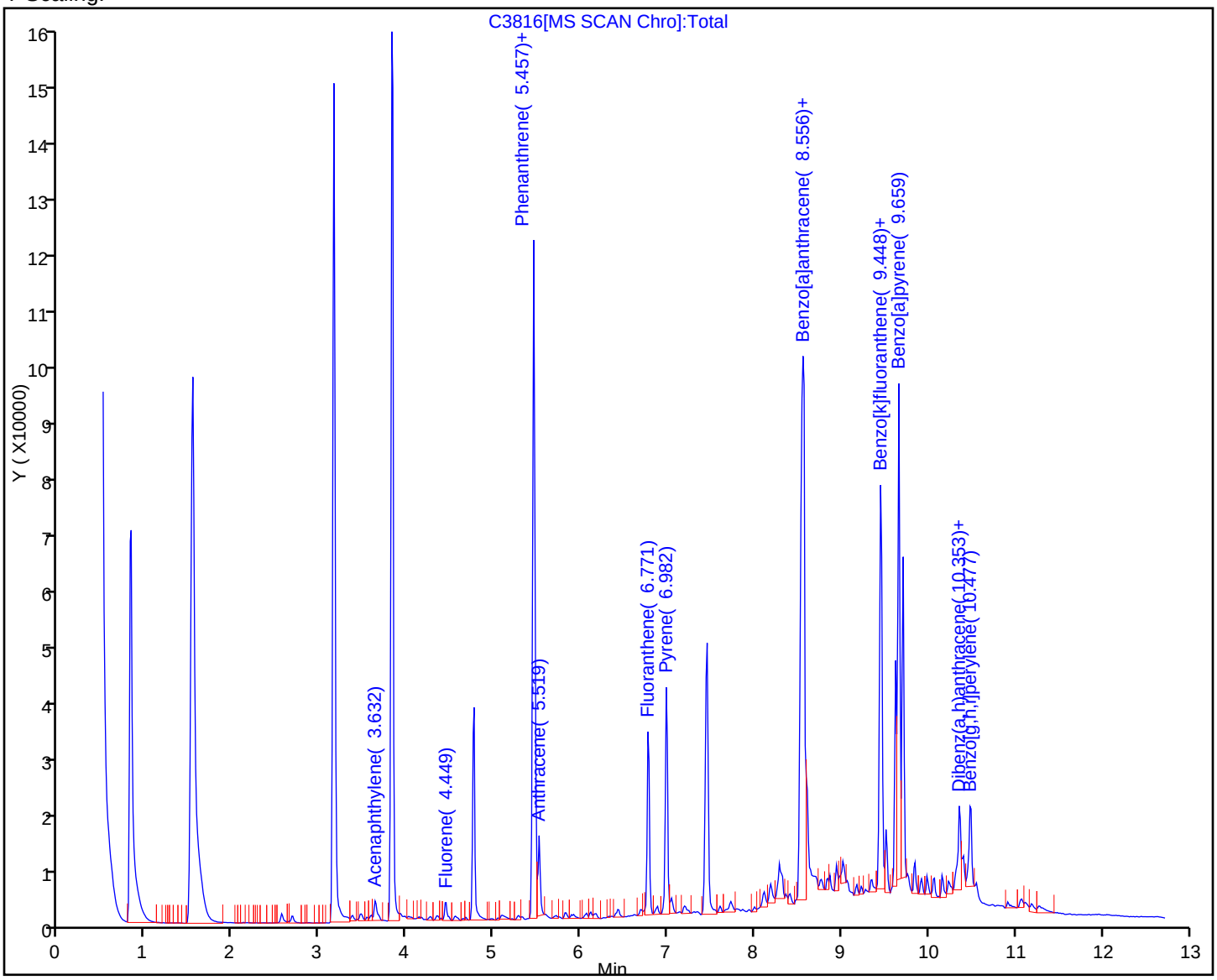
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

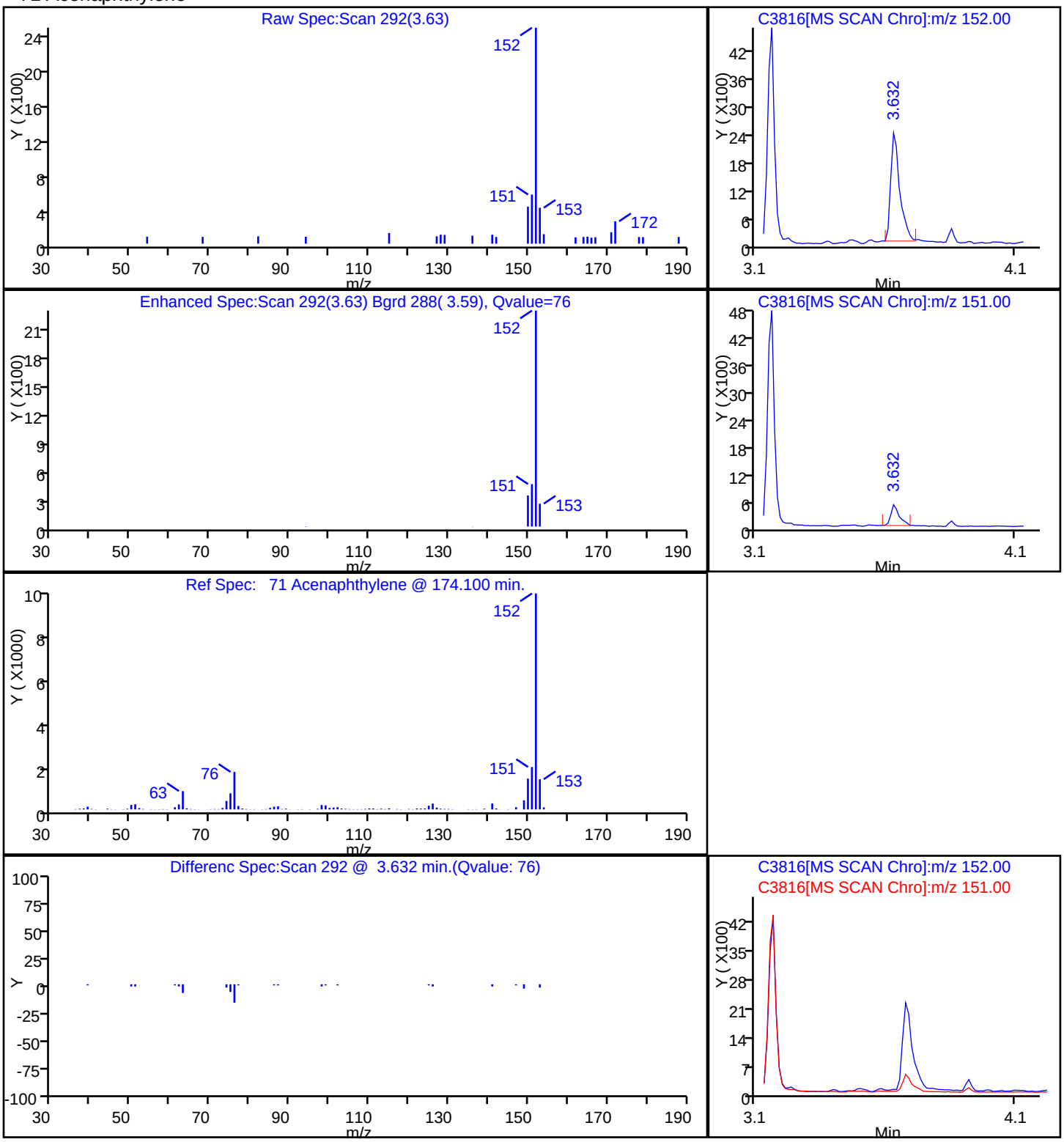
Injection Date:	11-Mar-2011 18:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	17
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 17
Operator ID: wds Injection Vol: 1.00 ul

71 Acenaphthylene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

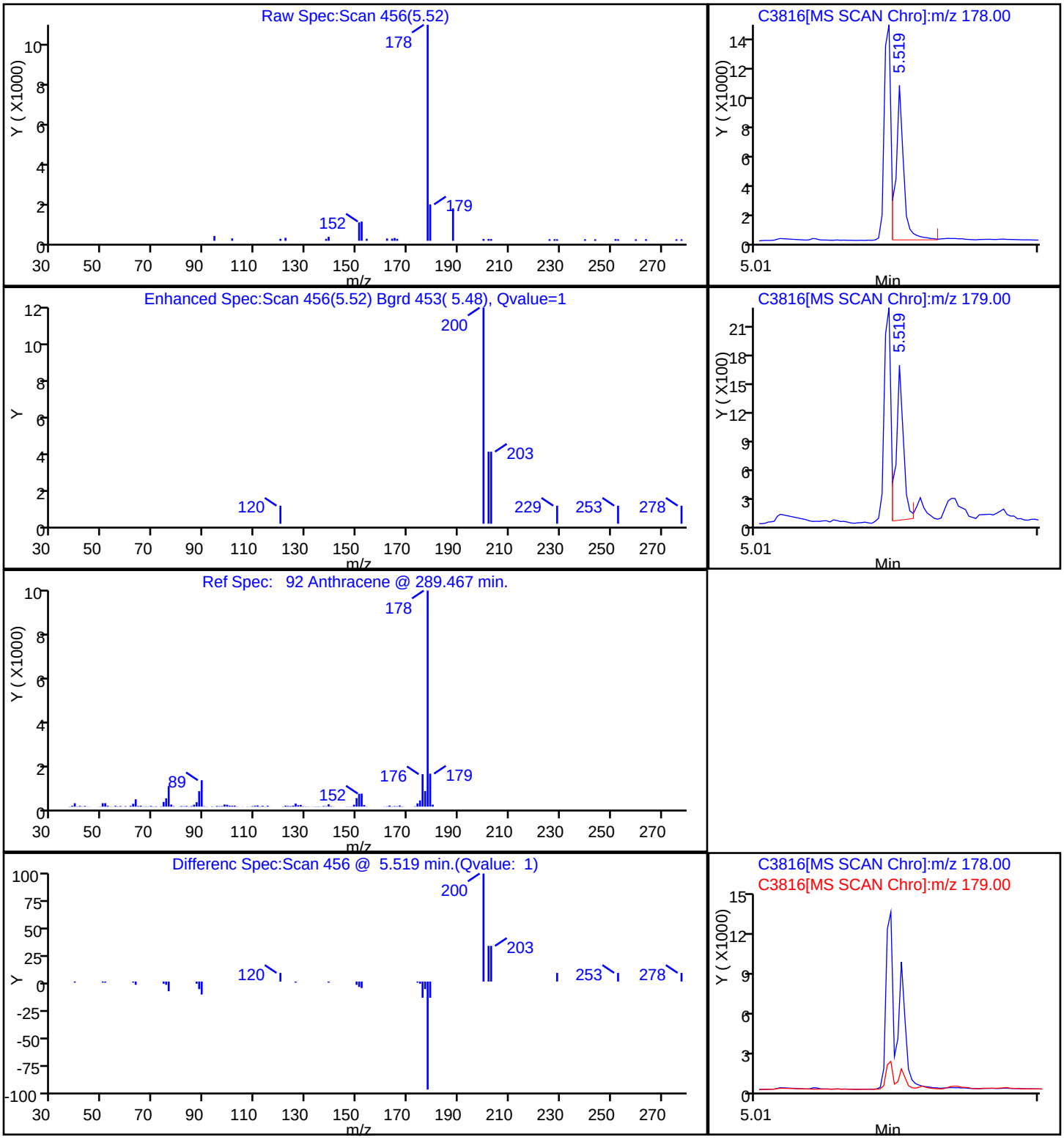
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 17

Operator ID: wds Injection Vol: 1.00 ul

92 Anthracene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

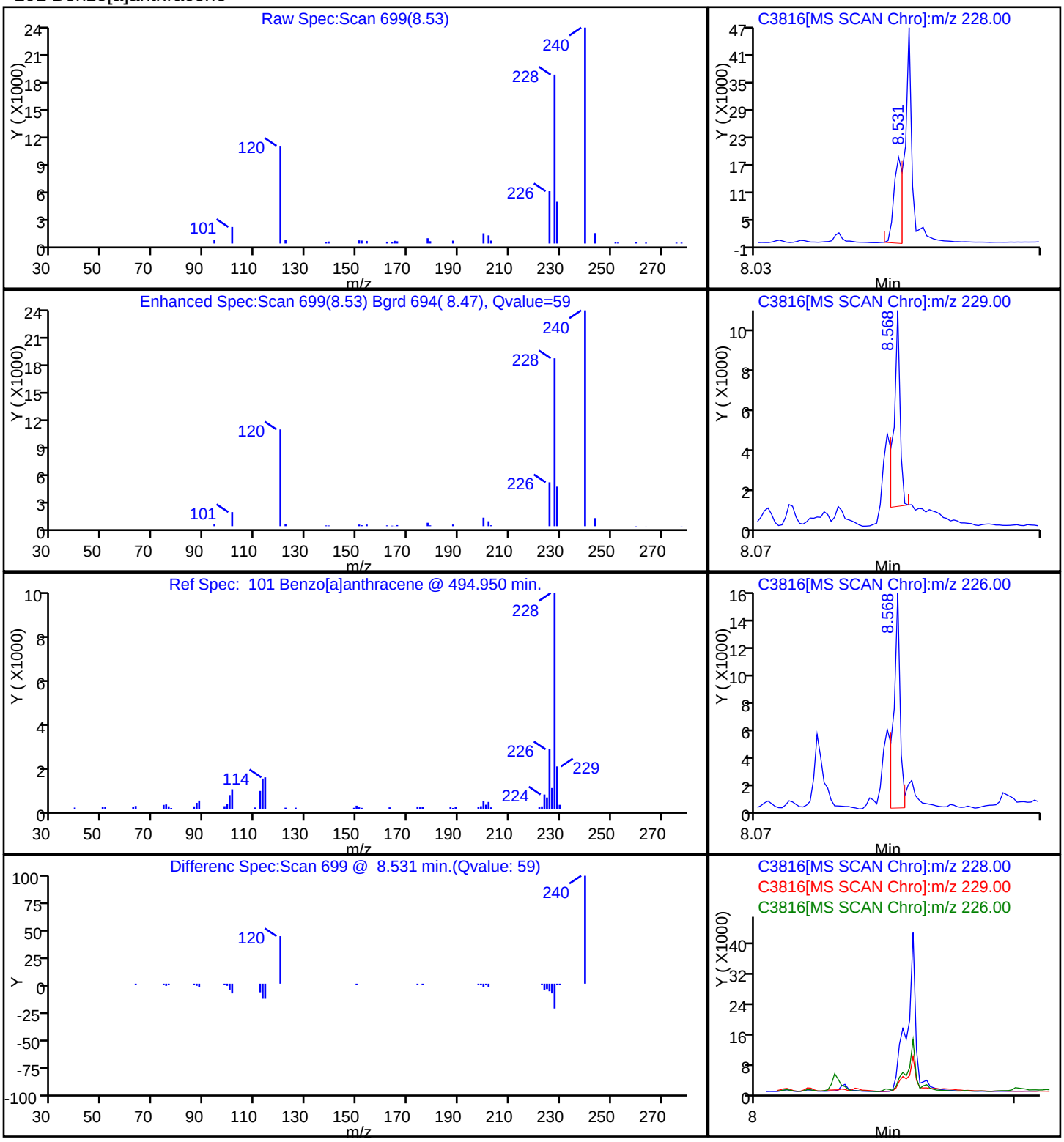
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 17

Operator ID: wds Injection Vol: 1.00 ul

101 Benzo[a]anthracene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

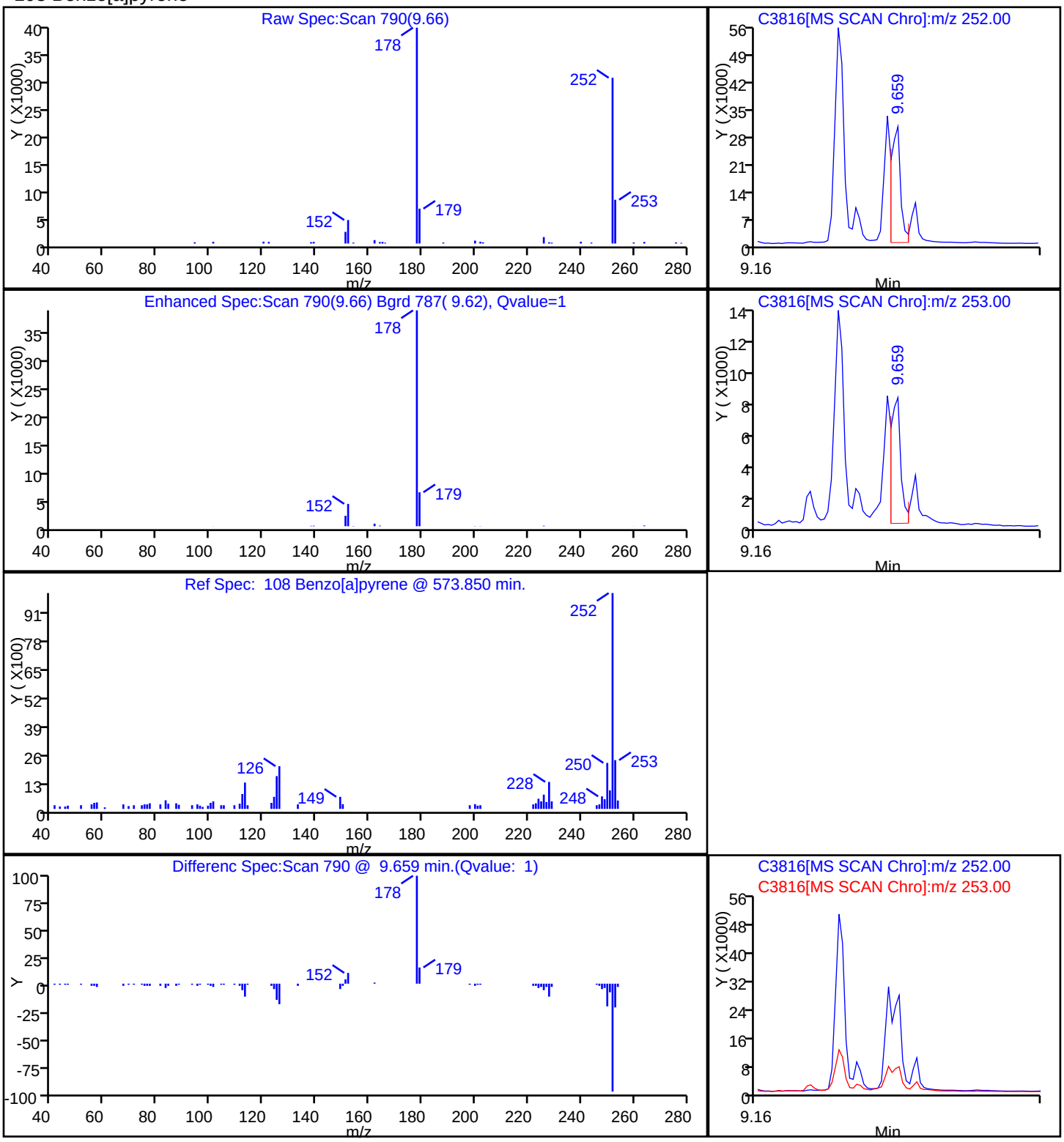
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 17

Operator ID: wds Injection Vol: 1.00 ul

108 Benzo[a]pyrene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

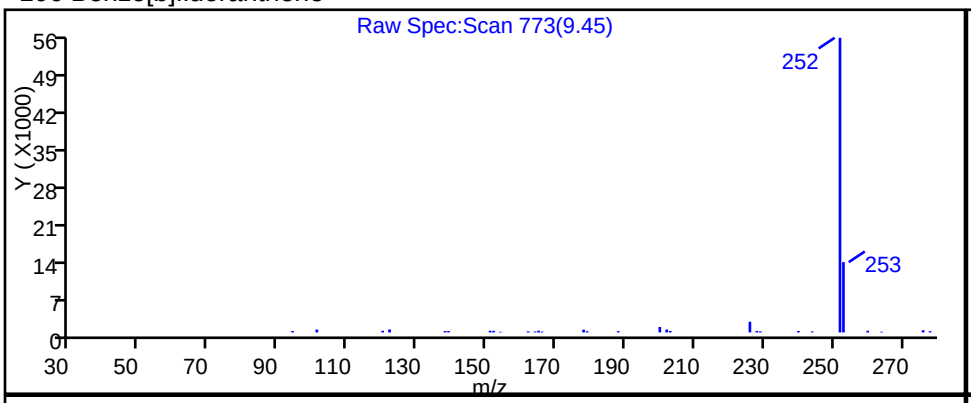
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

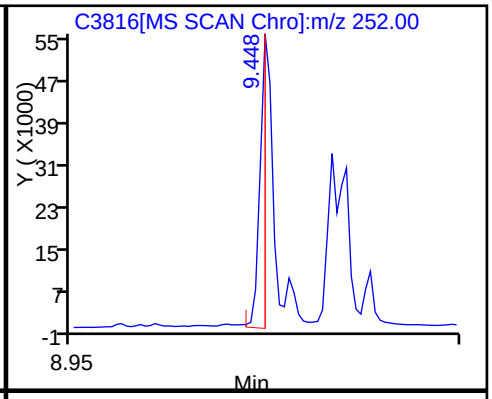
Client ID: SB0058:TP2:000020 Instrument ID: SMSB

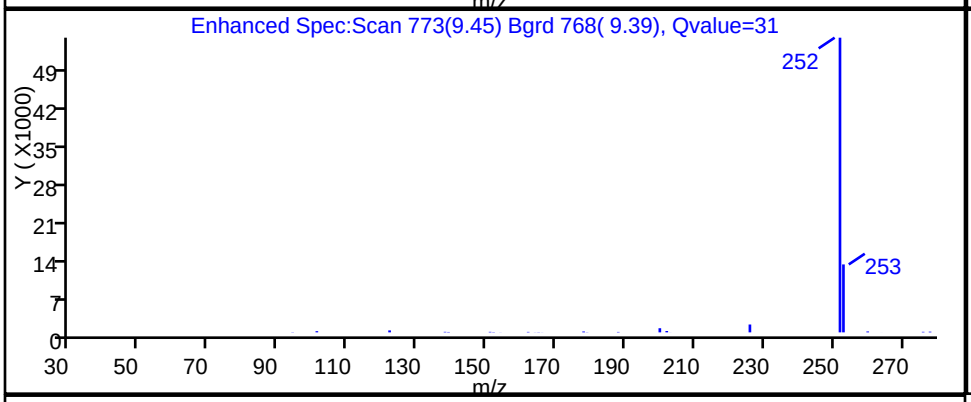
Lims Batch ID: 77268 Lims Sample ID: 17

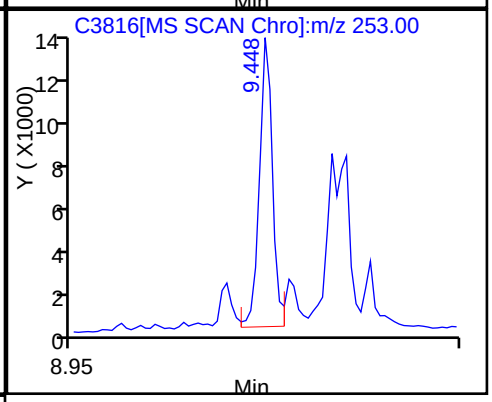
Operator ID: wds Injection Vol: 1.00 ul

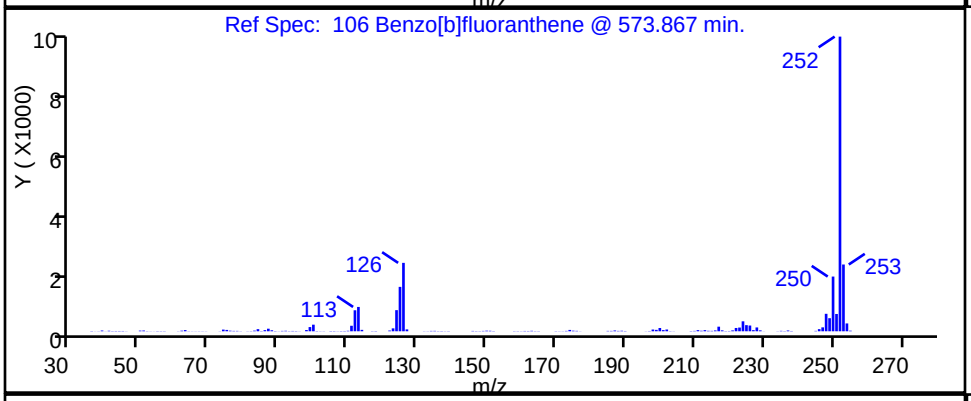
106 Benzo[b]fluoranthene

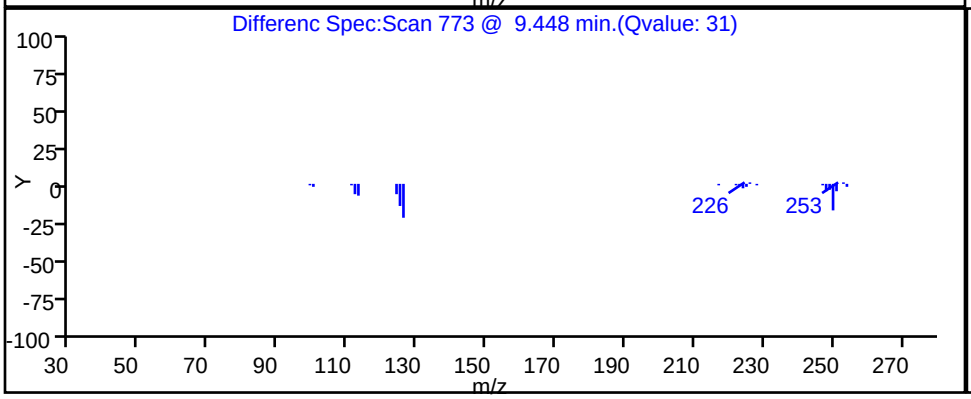


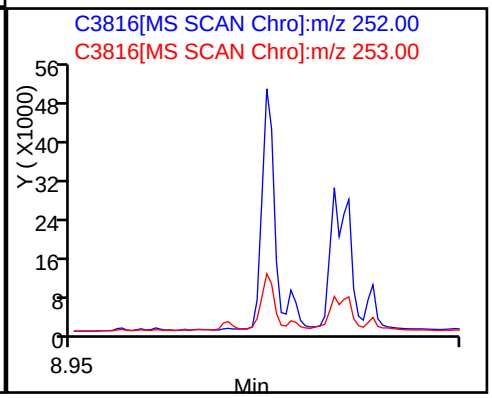




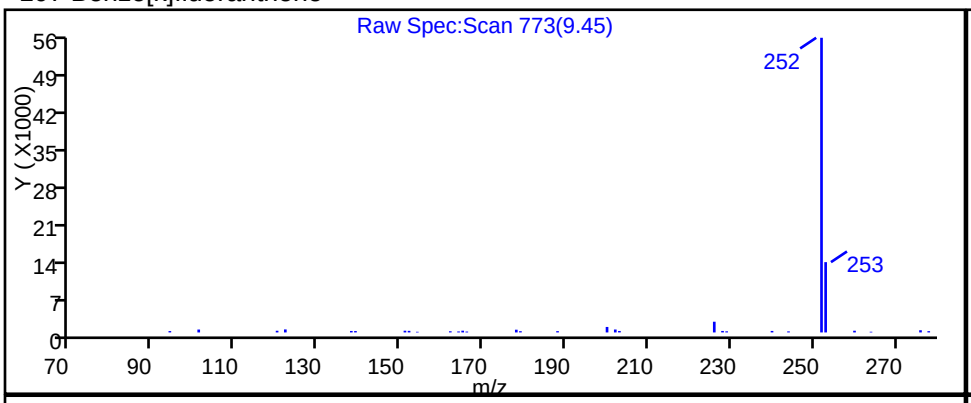


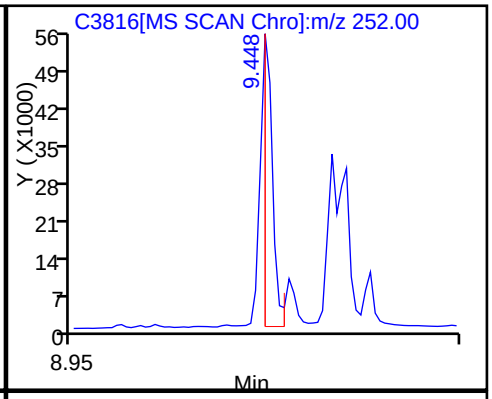


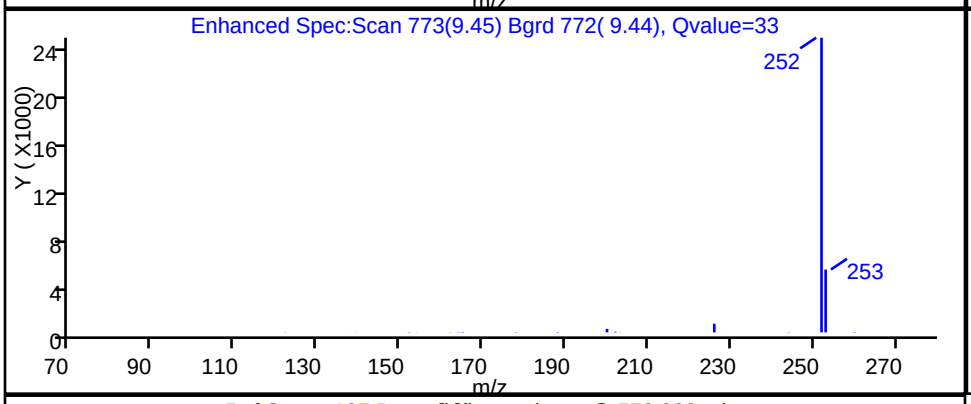


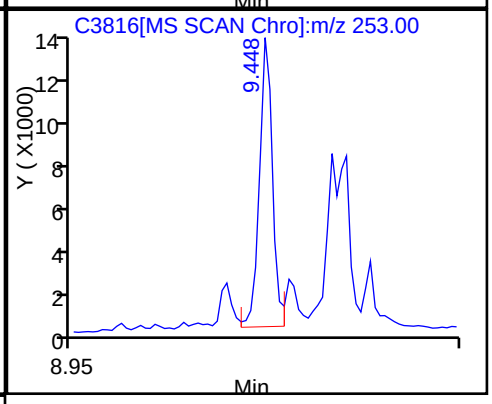


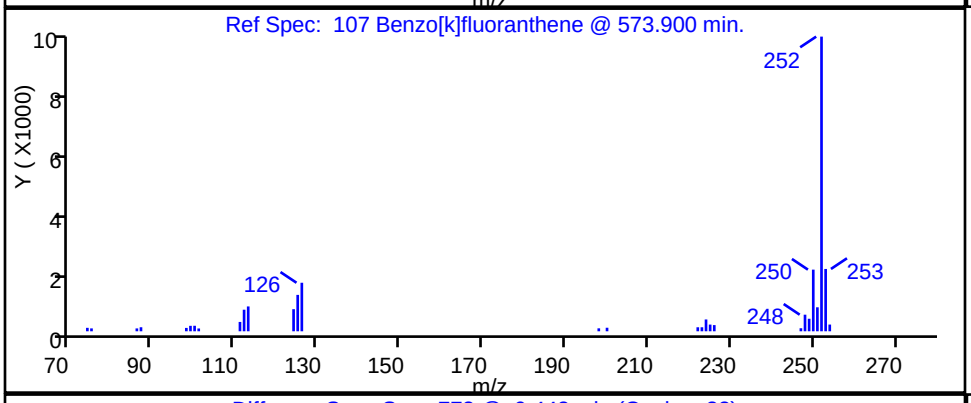
Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 17
Operator ID: wds Injection Vol: 1.00 ul
107 Benzo[k]fluoranthene

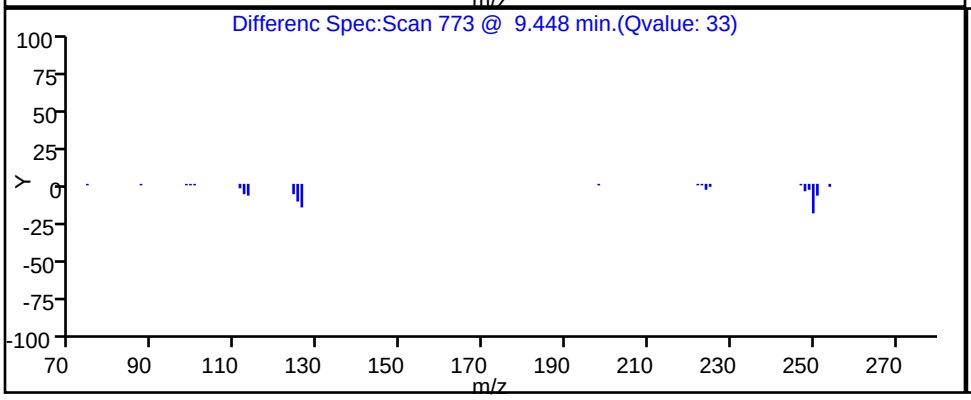


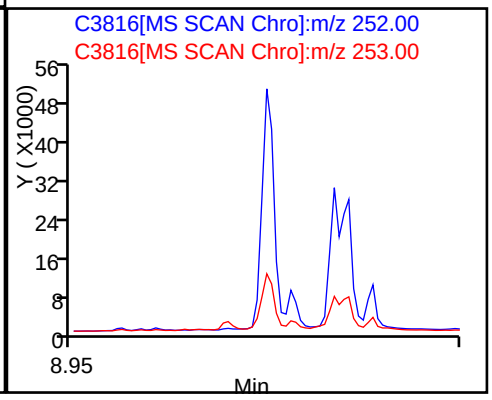












Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

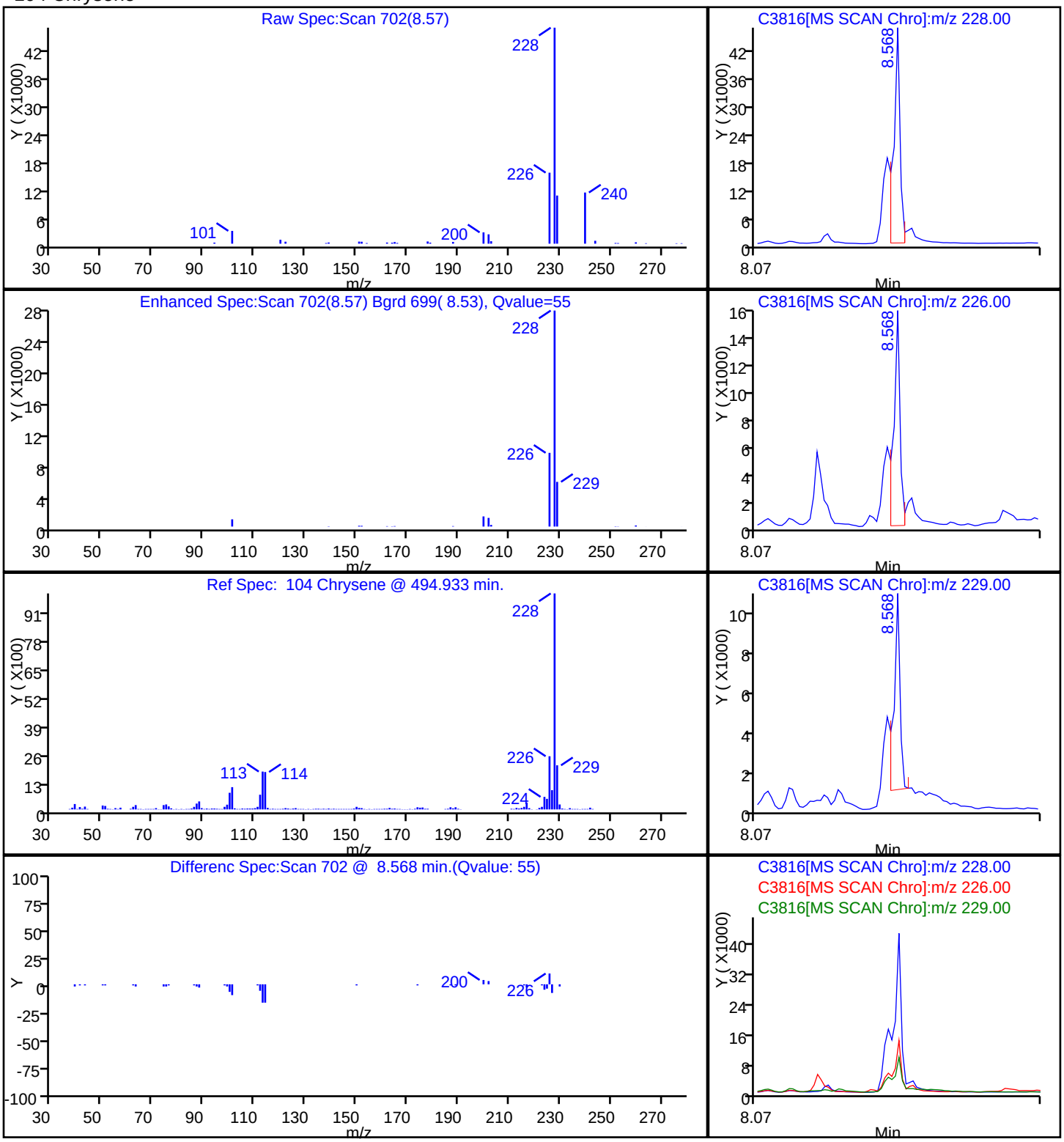
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

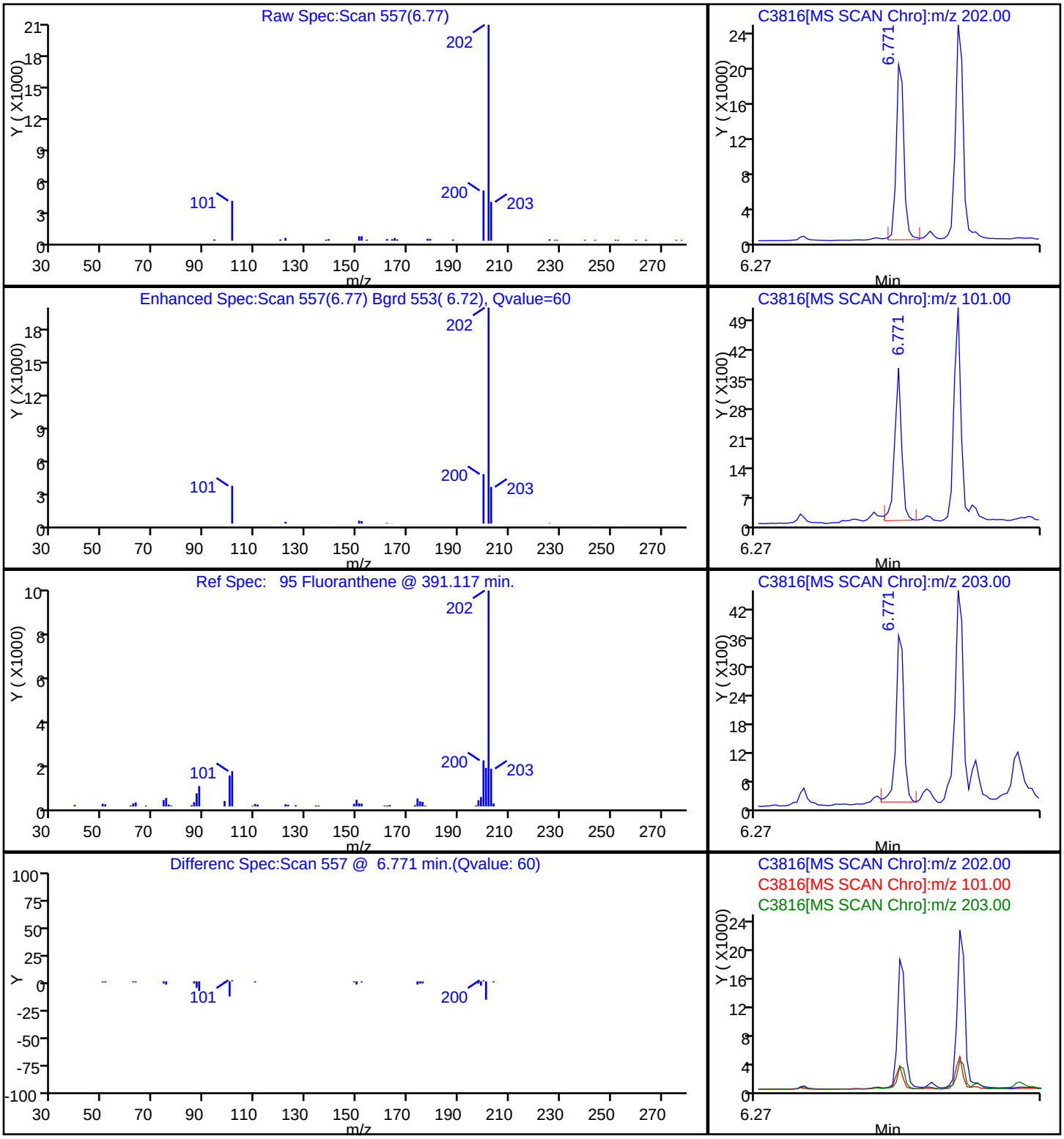
Lims Batch ID: 77268 Lims Sample ID: 17

Operator ID: wds Injection Vol: 1.00 ul

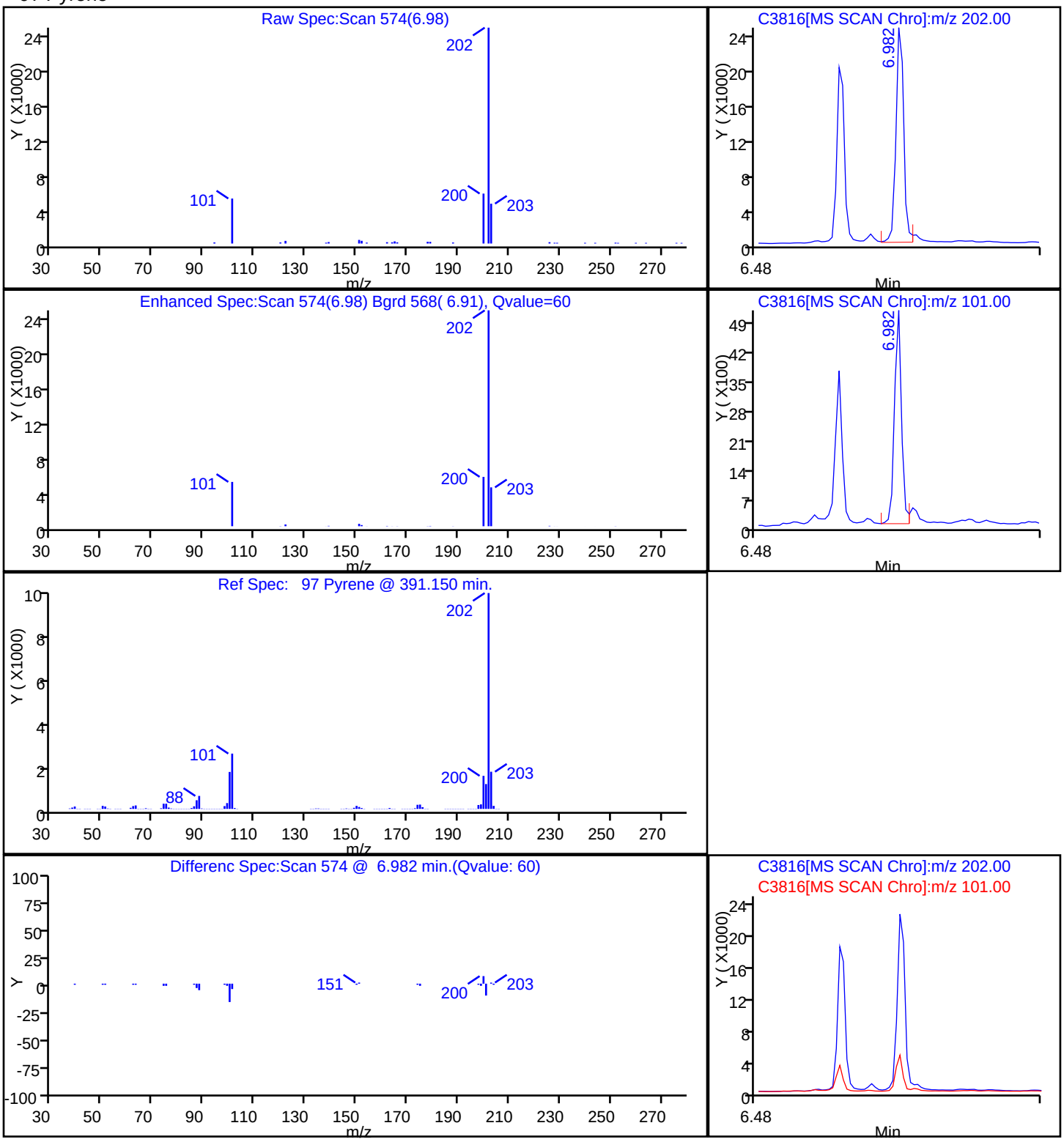
104 Chrysene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 17
Operator ID: wds Injection Vol: 1.00 ul
95 Fluoranthene

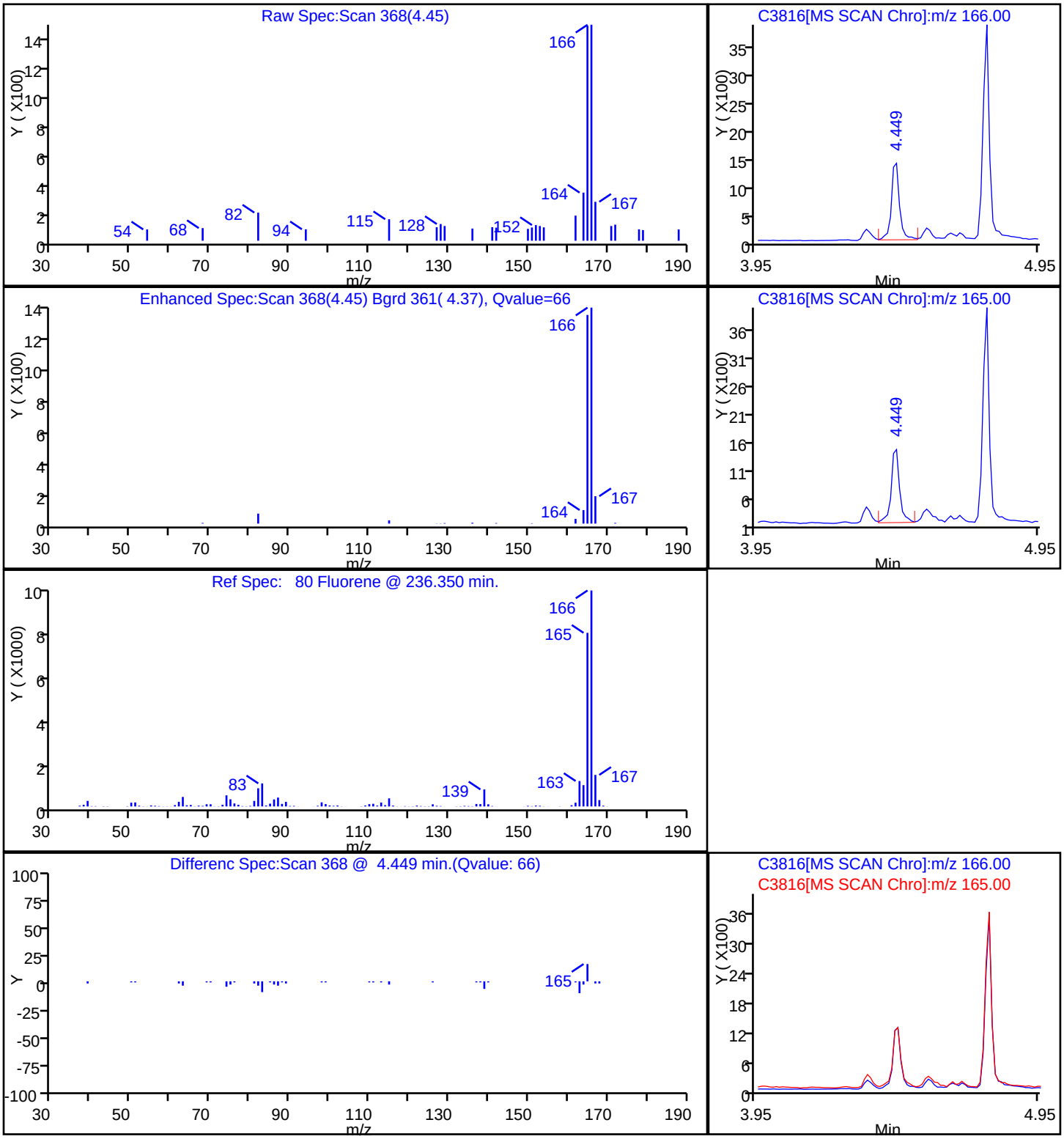


Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 17
Operator ID: wds Injection Vol: 1.00 ul
97 Pyrene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77268 Lims Sample ID: 17
Operator ID: wds Injection Vol: 1.00 ul

80 Fluorene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D

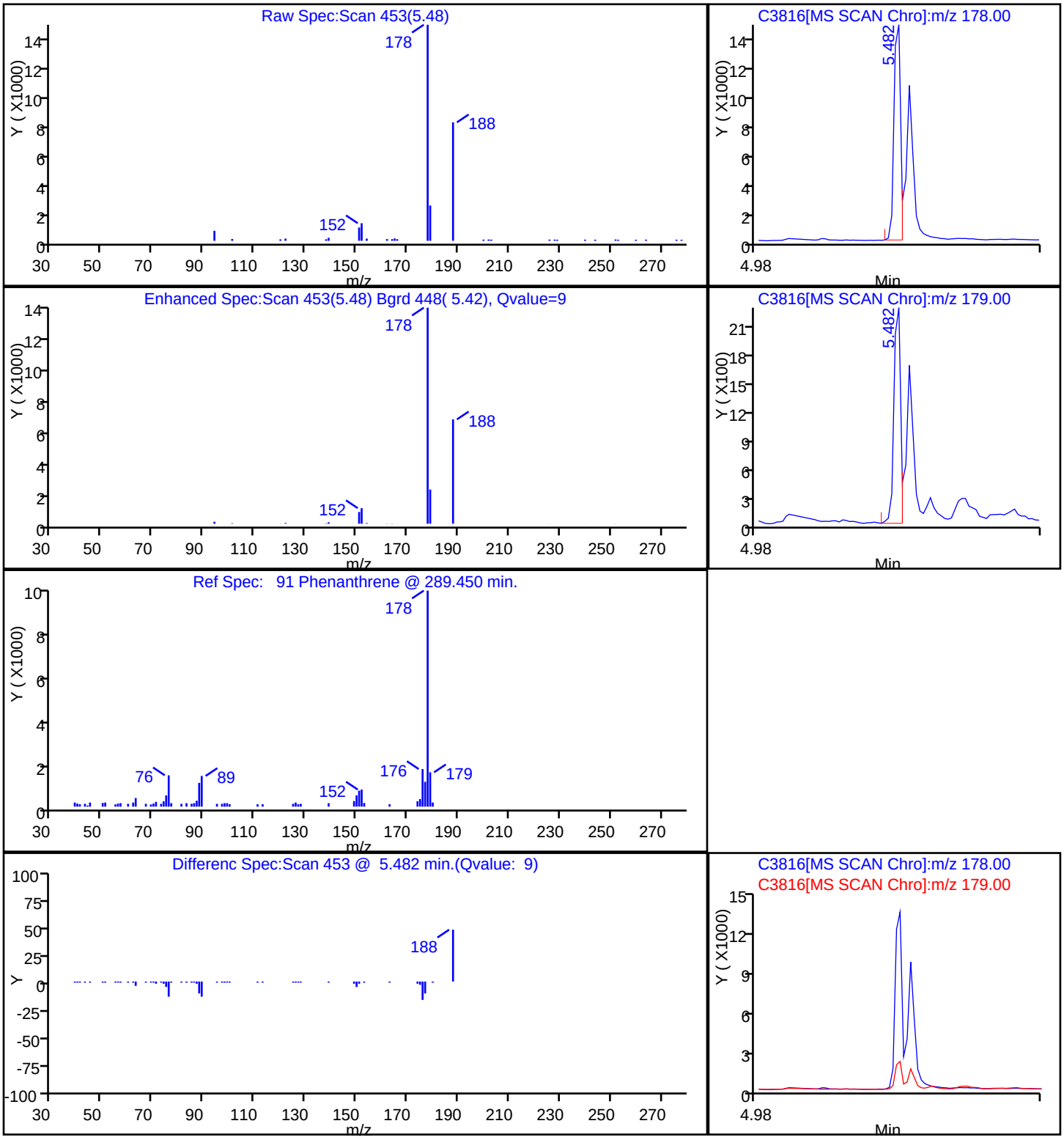
Injection Date: 11-Mar-2011 18:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 17

Operator ID: wds Injection Vol: 1.00 ul

91 Phenanthrene



Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

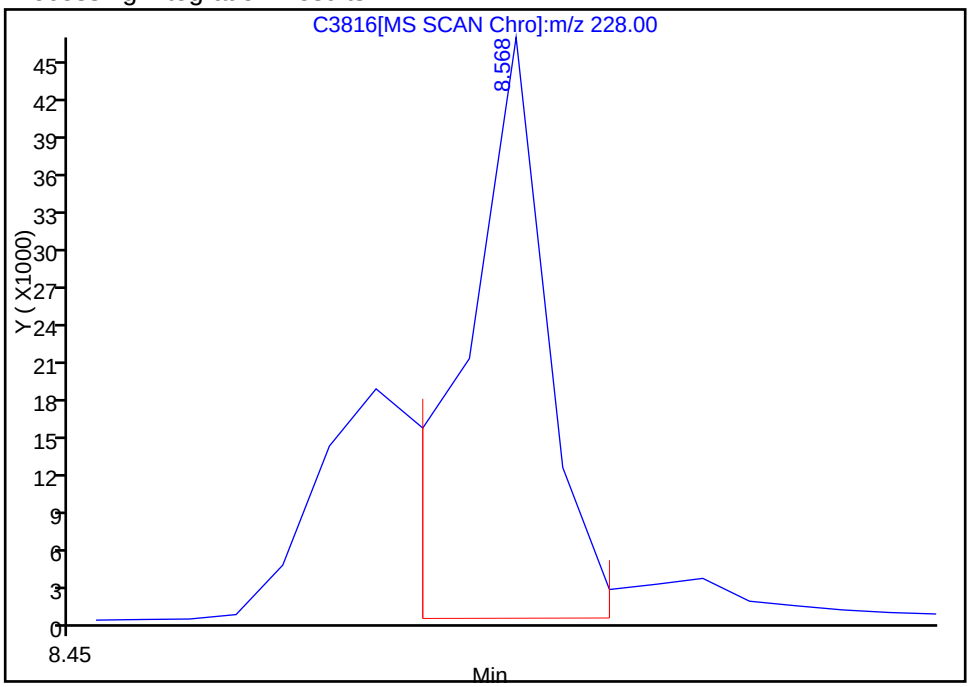
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D		
Injection Date:	11-Mar-2011 18:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	17
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.52

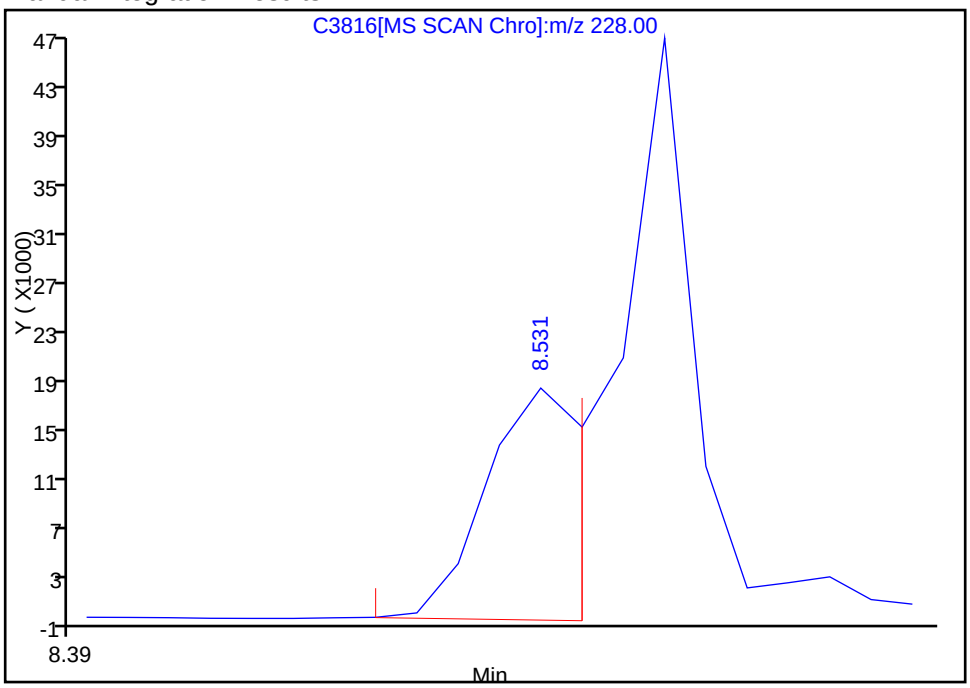
Processing Integration Results

RT: 8.57
Response: 71382
Amount: 17.745866



Manual Integration Results

RT: 8.53
Response: 39144
Amount: 9.731363



Reviewer: squiresb, 14-Mar-2011 09:07:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

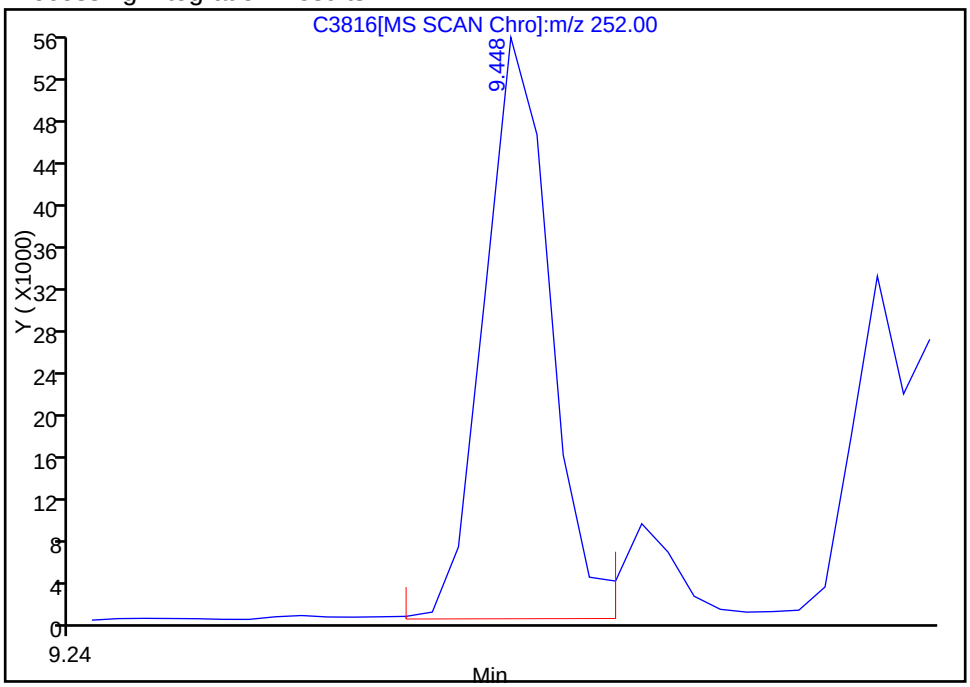
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D		
Injection Date:	11-Mar-2011 18:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	17
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.44

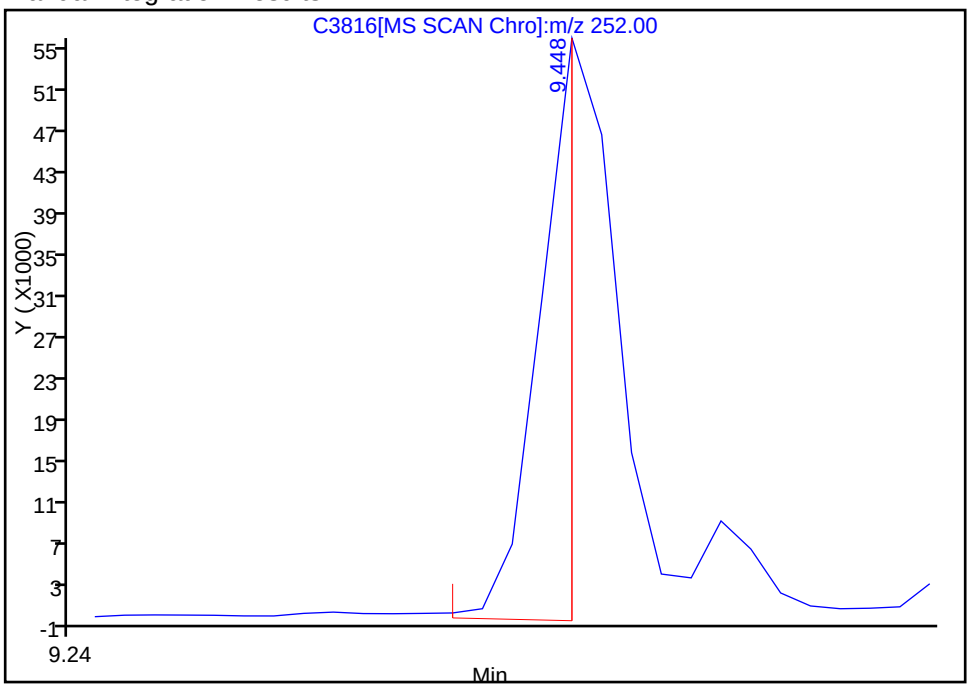
Processing Integration Results

RT: 9.45
Response: 120067
Amount: 33.136357



Manual Integration Results

RT: 9.45
Response: 70418
Amount: 19.509323



Reviewer: squiresb, 14-Mar-2011 09:07:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:07:03 Chrom Revision: 1.2 29-Oct-2010 14:13:24

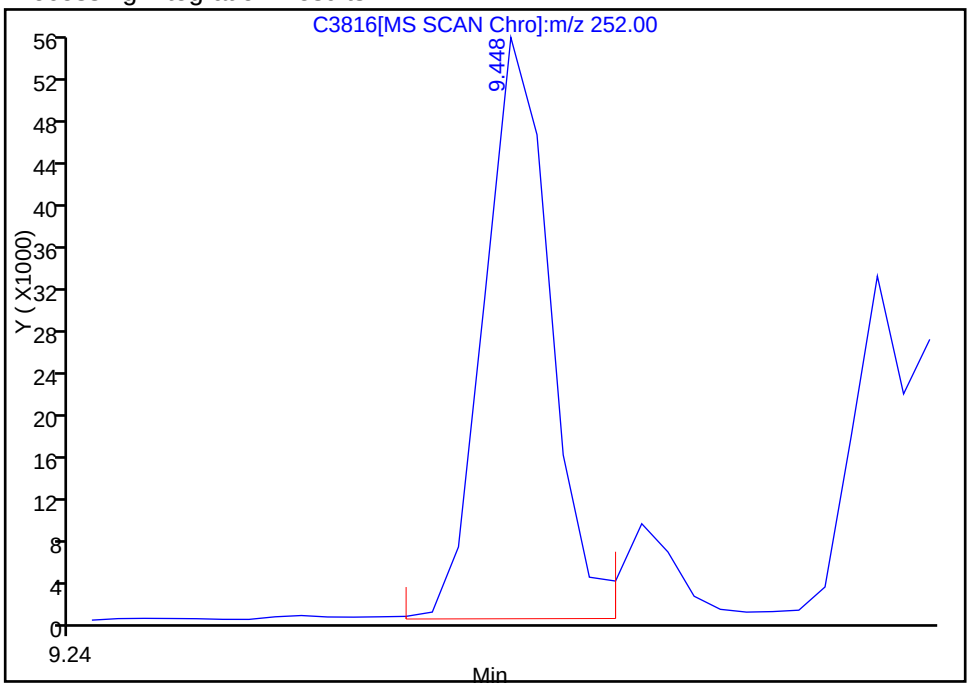
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3816.D		
Injection Date:	11-Mar-2011 18:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	17
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.45

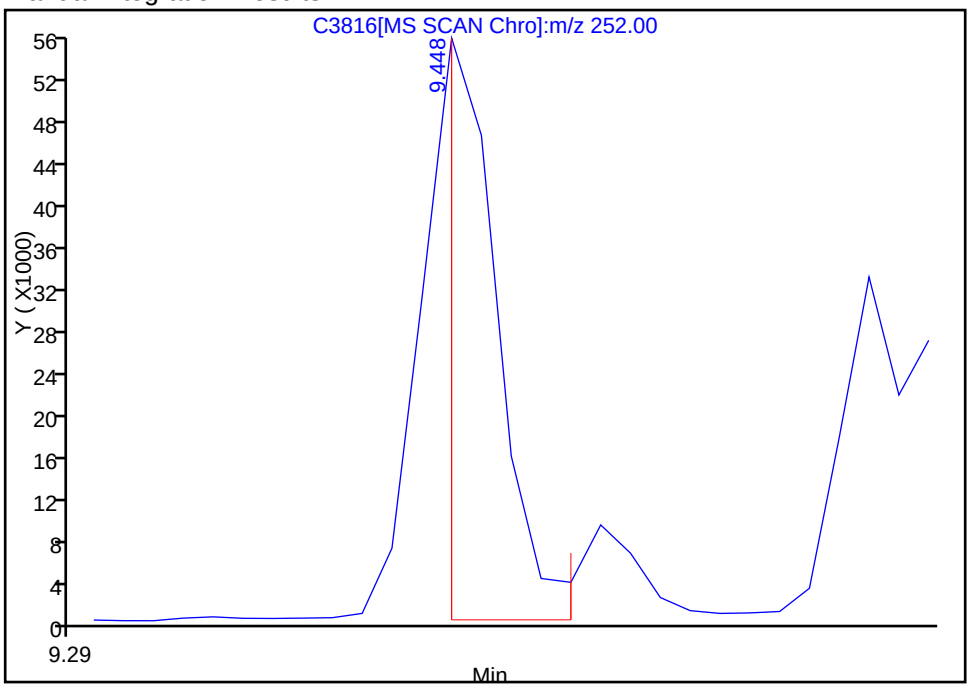
Processing Integration Results

RT: 9.45
Response: 120067
Amount: 24.221812



Manual Integration Results

RT: 9.45
Response: 91807
Amount: 18.520758



Reviewer: squiresb, 14-Mar-2011 09:07:03
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: C3824.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:40

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.68(g) | Date Analyzed: 03/14/2011 13:56

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77355 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo[g,h,i]perylene	0.38		0.023	0.0025
53-70-3	Dibenz(a,h)anthracene	0.16		0.023	0.0031
193-39-5	Indeno[1,2,3-cd]pyrene	0.38		0.023	0.0025

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D		
Lims ID:	510-62781-J-3-B	Client ID:	SB0058:TP2:000020
Inject. Date:	14-Mar-2011 13:56:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-3		
Misc. Info.:	510-000453-005 =510-000453-005		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	77355	Lims Sample ID:	5
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110314-4534.b\SIM-PNAB.m		
Last Update:	14-Mar-2011 15:23:07	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 15:24:36

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 57 Naphthalene-d8									
136	1.530	1.535	-0.004	40	264628	40.0	70.0- 130.0	100.0	
* 73 Acenaphthene-d10									
164	3.831	3.836	-0.005	17	109385	40.0	70.0- 130.0	100.0	
162	3.831	3.836	-0.005		98190		52.6- 112.6	89.8	
* 90 Phenanthrene-d10									
188	5.457	5.457	0.000	4	145985	40.0	70.0- 130.0	100.0	
* 103 Chrysene-d12									
240	8.543	8.543	0.000	12	86833	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									M
264	9.696	9.684	0.012	0	44092	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	10.353	10.353	0.000	14	15848	10.2	70.0- 130.0	100.0	
138	10.353	10.353	0.000		5794		0.0- 56.8	36.6	
111 Dibenz(a,h)anthracene									
278	10.402	10.390	0.012	7	5651	4.36	70.0- 130.0	100.0	
139	10.390	10.390	0.000		1469		0.0- 53.9	26.0	
24 Benzo[g,h,i]perylene									
276	10.489	10.477	0.012	7	14542	10.2	70.0- 130.0	100.0	
138	10.477	10.477	0.000		6196		8.9- 68.9	42.6	

QC Flag Legend

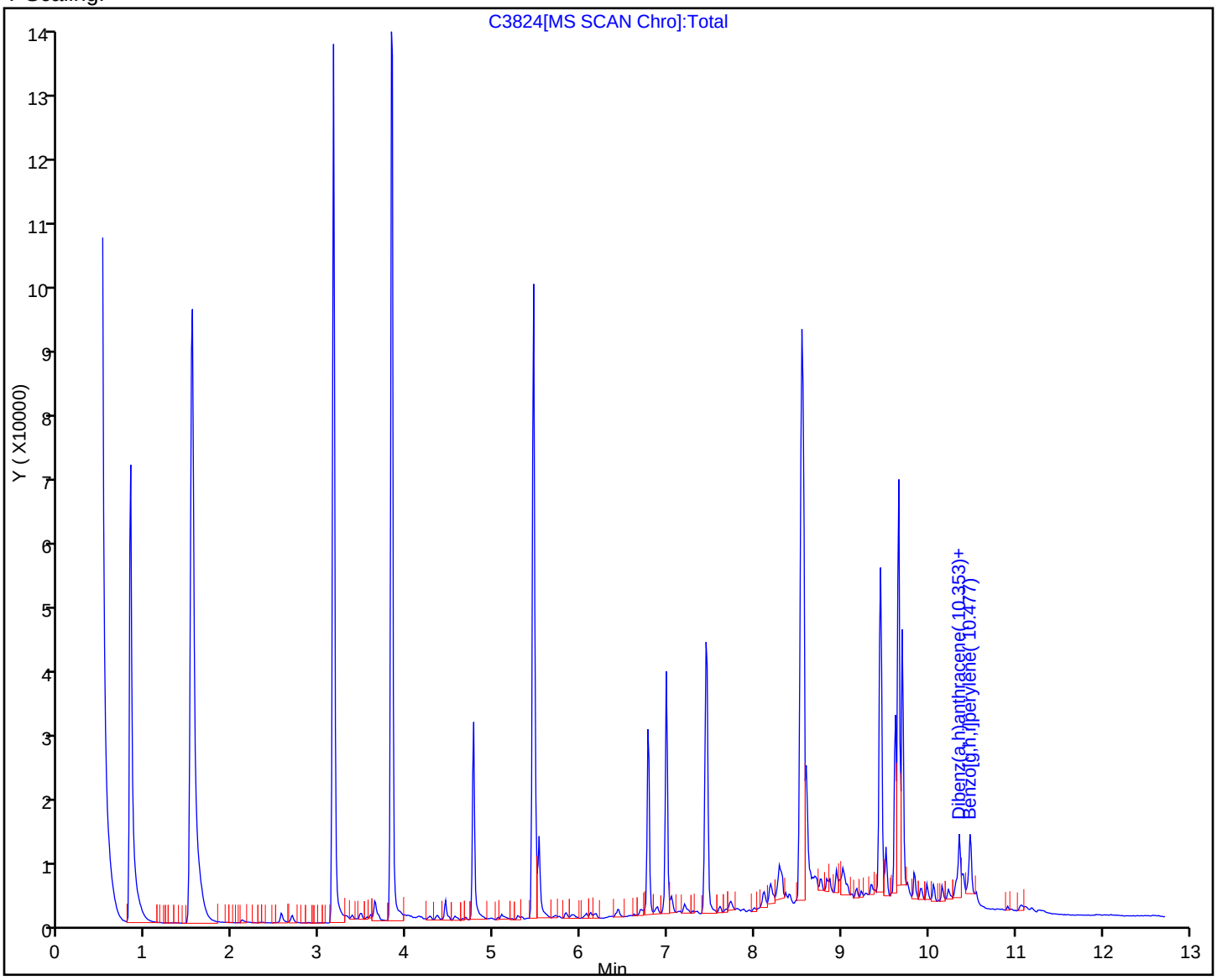
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 15:24:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D

Injection Date:	14-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77355	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 15:24:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D

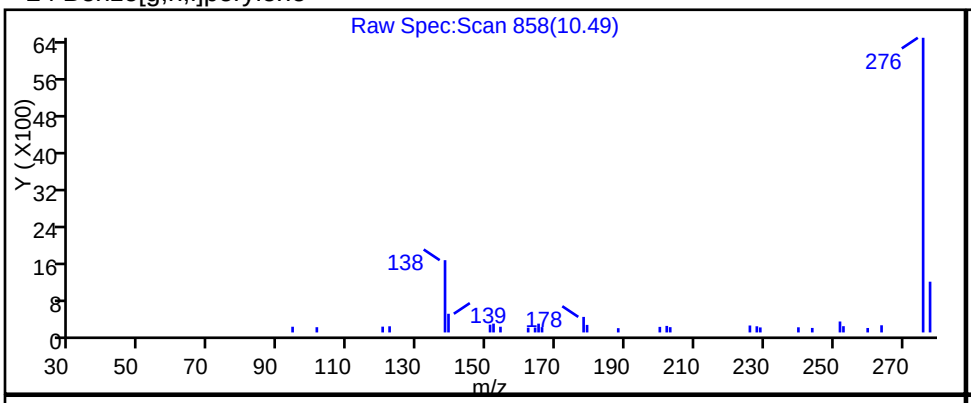
Injection Date: 14-Mar-2011 13:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

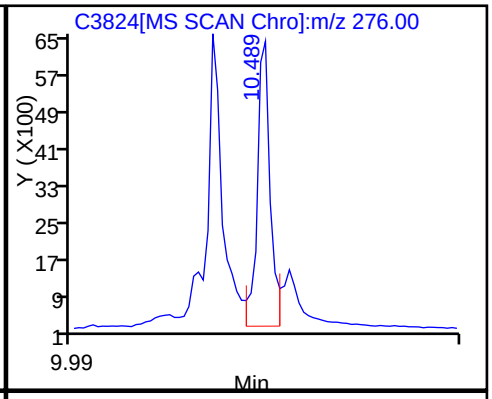
Client ID: SB0058:TP2:000020 Instrument ID: SMSB

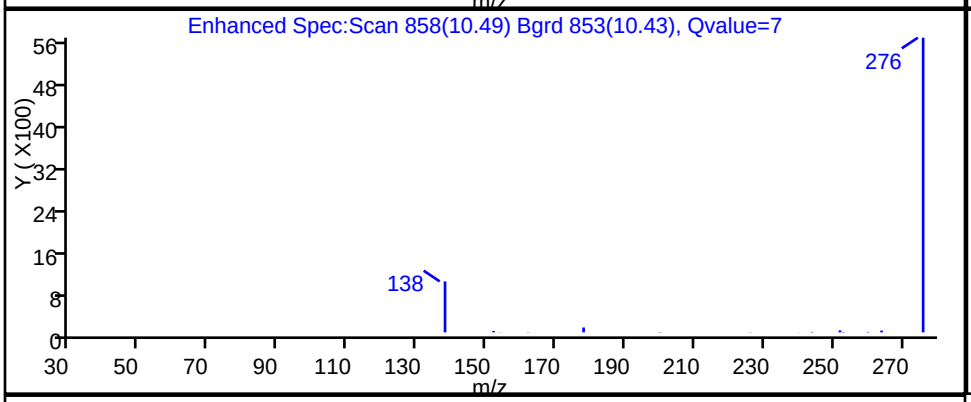
Lims Batch ID: 77355 Lims Sample ID: 5

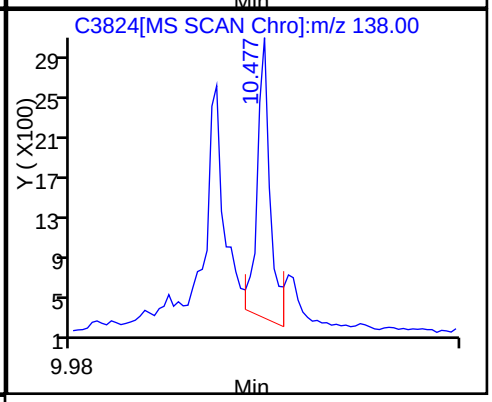
Operator ID: wds Injection Vol: 1.00 ul

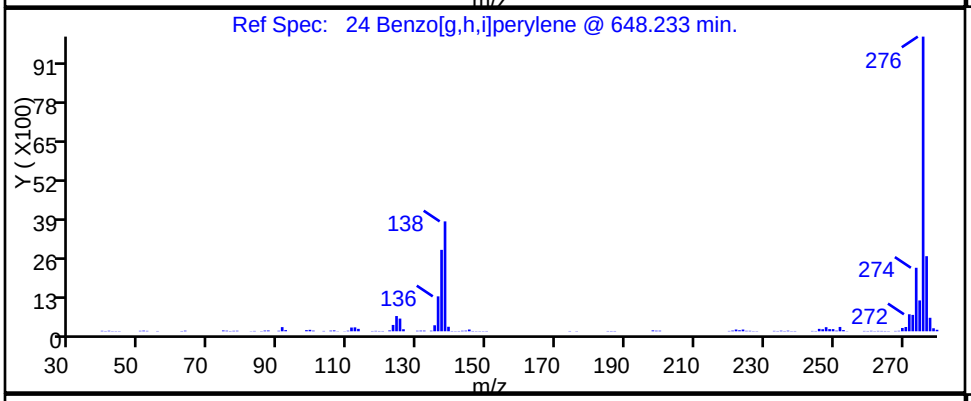
24 Benzo[g,h,i]perylene

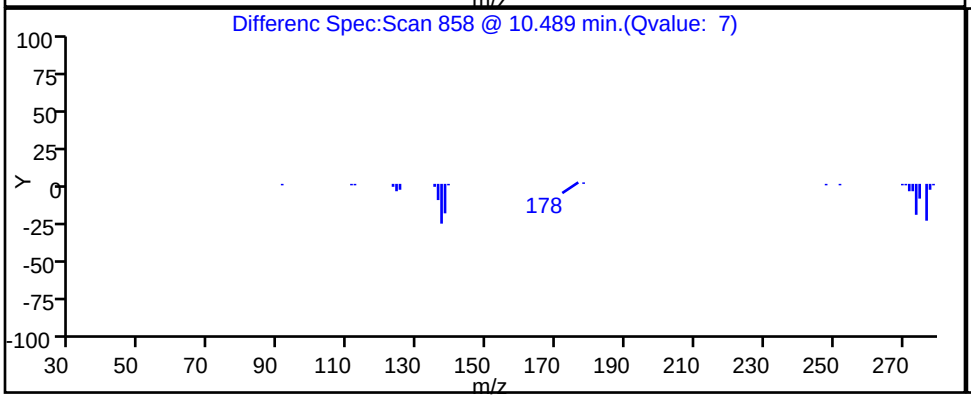


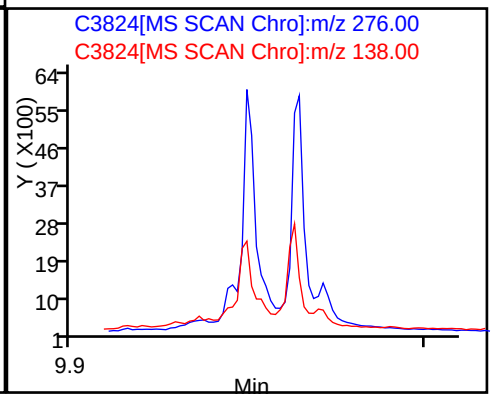






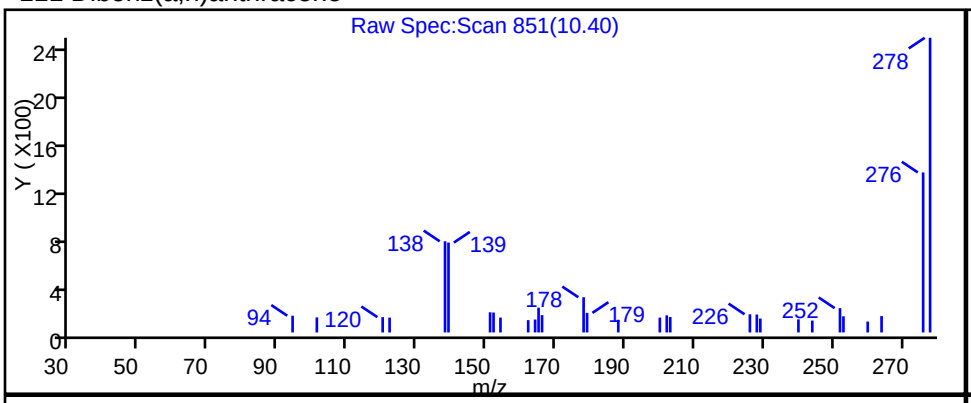


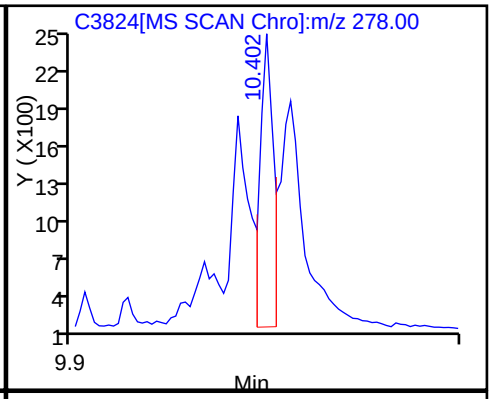


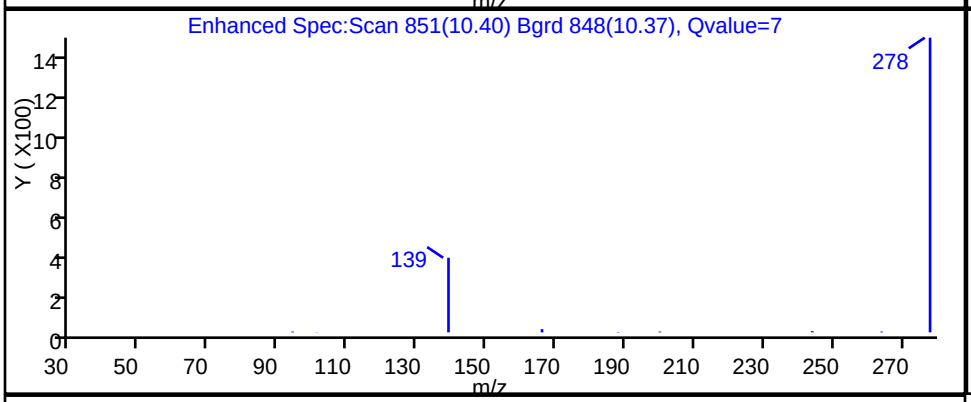


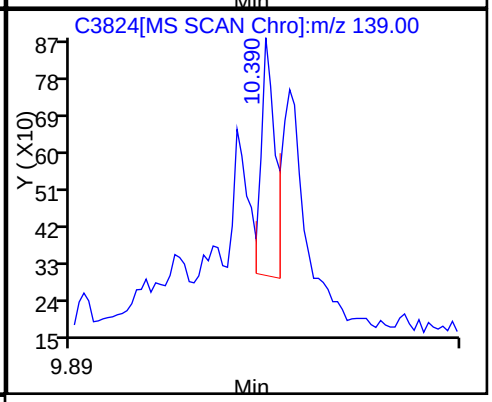
Report Date: 14-Mar-2011 15:24:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D
Injection Date: 14-Mar-2011 13:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: SB0058:TP2:000020 Instrument ID: SMSB
Lims Batch ID: 77355 Lims Sample ID: 5
Operator ID: wds Injection Vol: 1.00 ul

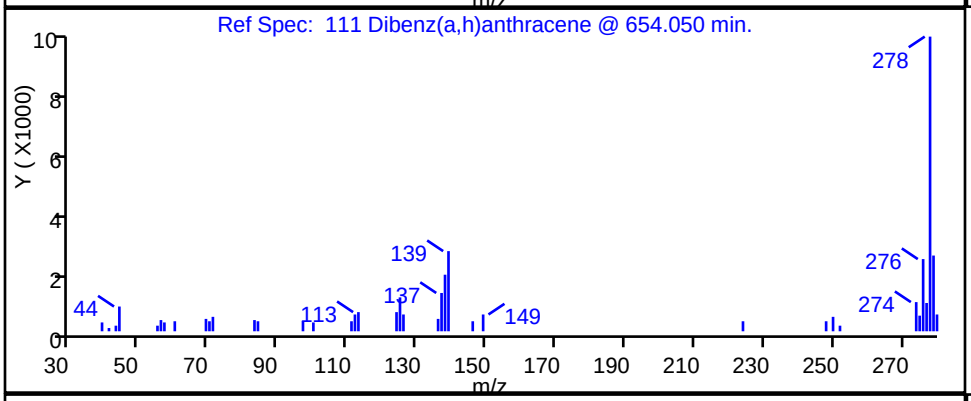
111 Dibenz(a,h)anthracene

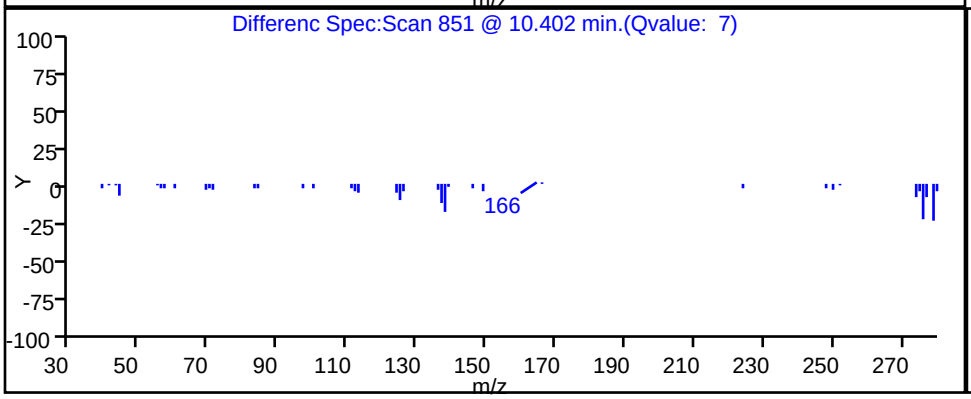


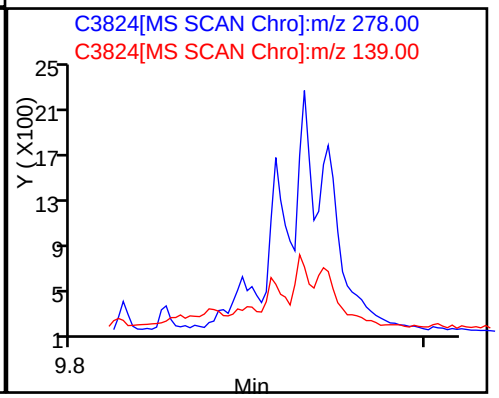












Report Date: 14-Mar-2011 15:24:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D

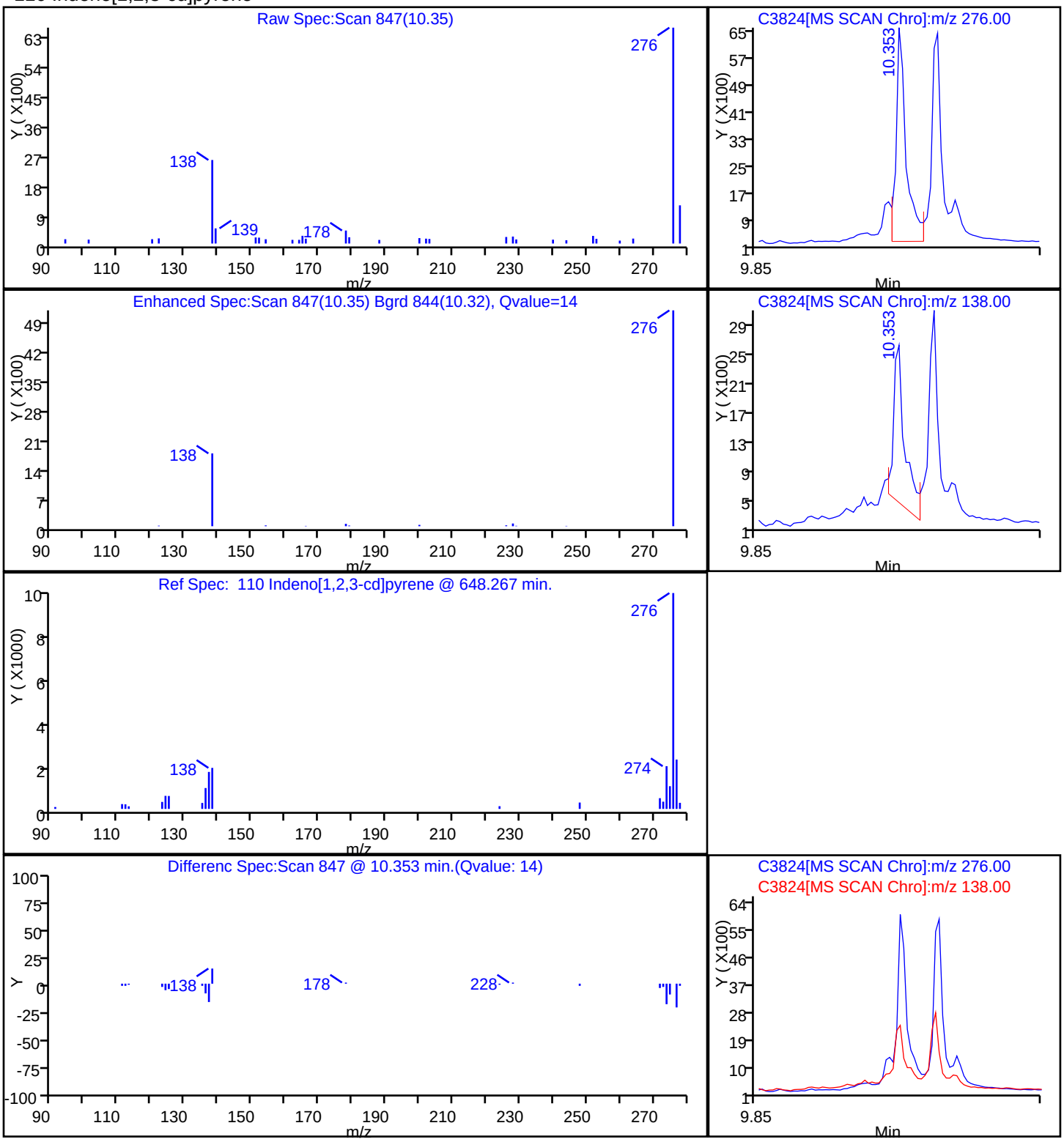
Injection Date: 14-Mar-2011 13:56:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: SB0058:TP2:000020 Instrument ID: SMSB

Lims Batch ID: 77355 Lims Sample ID: 5

Operator ID: wds Injection Vol: 1.00 ul

110 Indeno[1,2,3-cd]pyrene



Report Date: 14-Mar-2011 15:24:36 Chrom Revision: 1.2 29-Oct-2010 14:13:24

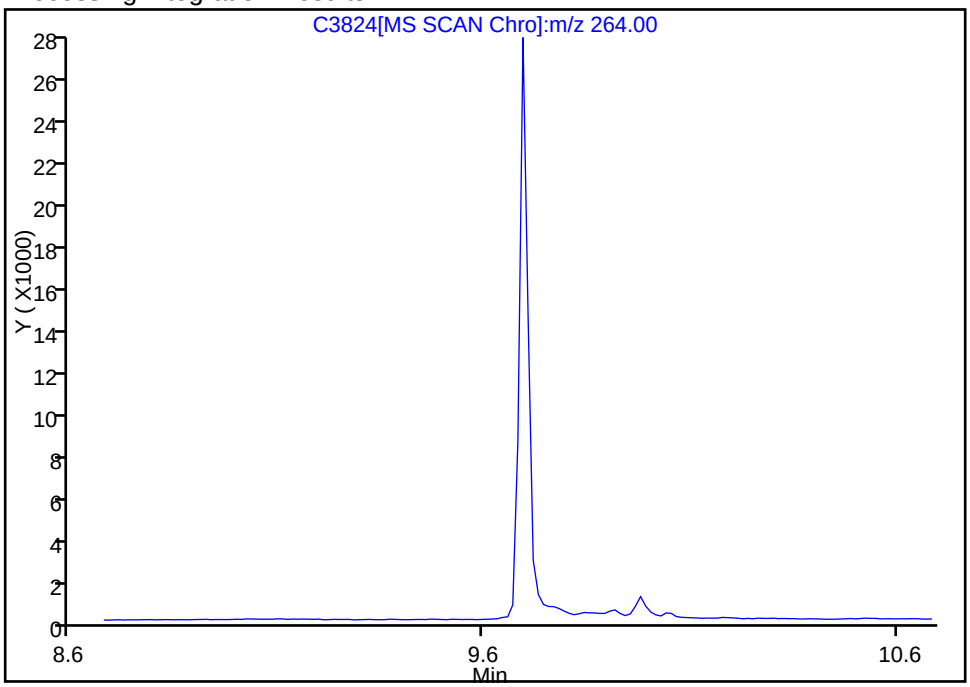
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3824.D		
Injection Date:	14-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SMSB
Lims Batch ID:	77355	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 9.68

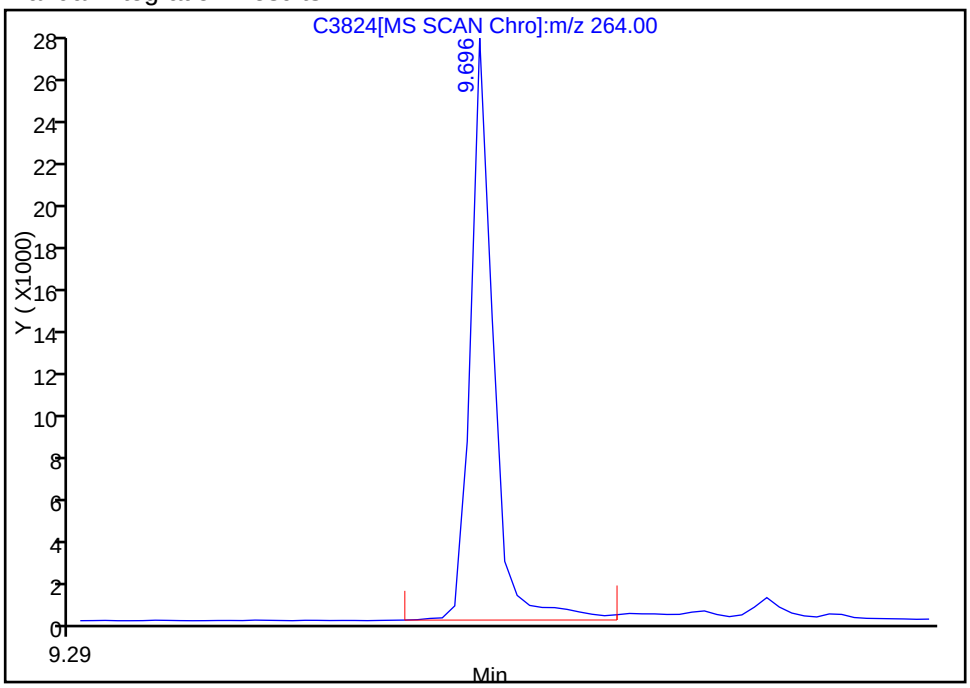
Processing Integration Results

Not Detected
Expected RT: 9.68



Manual Integration Results

RT: 9.70
Response: 44092
Amount: 40.000000



Reviewer: squiresb, 14-Mar-2011 15:24:36
Audit Action: Manually Integrated
Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: C3817.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:50

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.43(g) | Date Analyzed: 03/11/2011 18:37

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	<0.022		0.022	0.0027
208-96-8	Acenaphthylene	<0.022		0.022	0.0034
120-12-7	Anthracene	<0.022		0.022	0.0034
56-55-3	Benzo[a]anthracene	<0.022		0.022	0.0023
50-32-8	Benzo[a]pyrene	<0.022		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	<0.022		0.022	0.0031
191-24-2	Benzo[g,h,i]perylene	<0.022		0.022	0.0024
207-08-9	Benzo[k]fluoranthene	<0.022		0.022	0.0022
218-01-9	Chrysene	<0.022		0.022	0.0021
53-70-3	Dibenz(a,h)anthracene	<0.022		0.022	0.0029
206-44-0	Fluoranthene	<0.022		0.022	0.0044
129-00-0	Pyrene	<0.022		0.022	0.0040
86-73-7	Fluorene	<0.022		0.022	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	<0.022		0.022	0.0024
91-20-3	Naphthalene	<0.022		0.022	0.0035
85-01-8	Phenanthrene	<0.022		0.022	0.0033

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	70		10-194
4165-60-0	Nitrobenzene-d5	68		10-117
321-60-8	2-Fluorobiphenyl	86		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3817.D		
Lims ID:	510-62781-J-4-B	Client ID:	SB0058:TP2:040050
Inject. Date:	11-Mar-2011 18:37:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-4		
Misc. Info.:	510-0004521-018 =510-0004521-018		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	77268	Lims Sample ID:	18
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 09:18:57

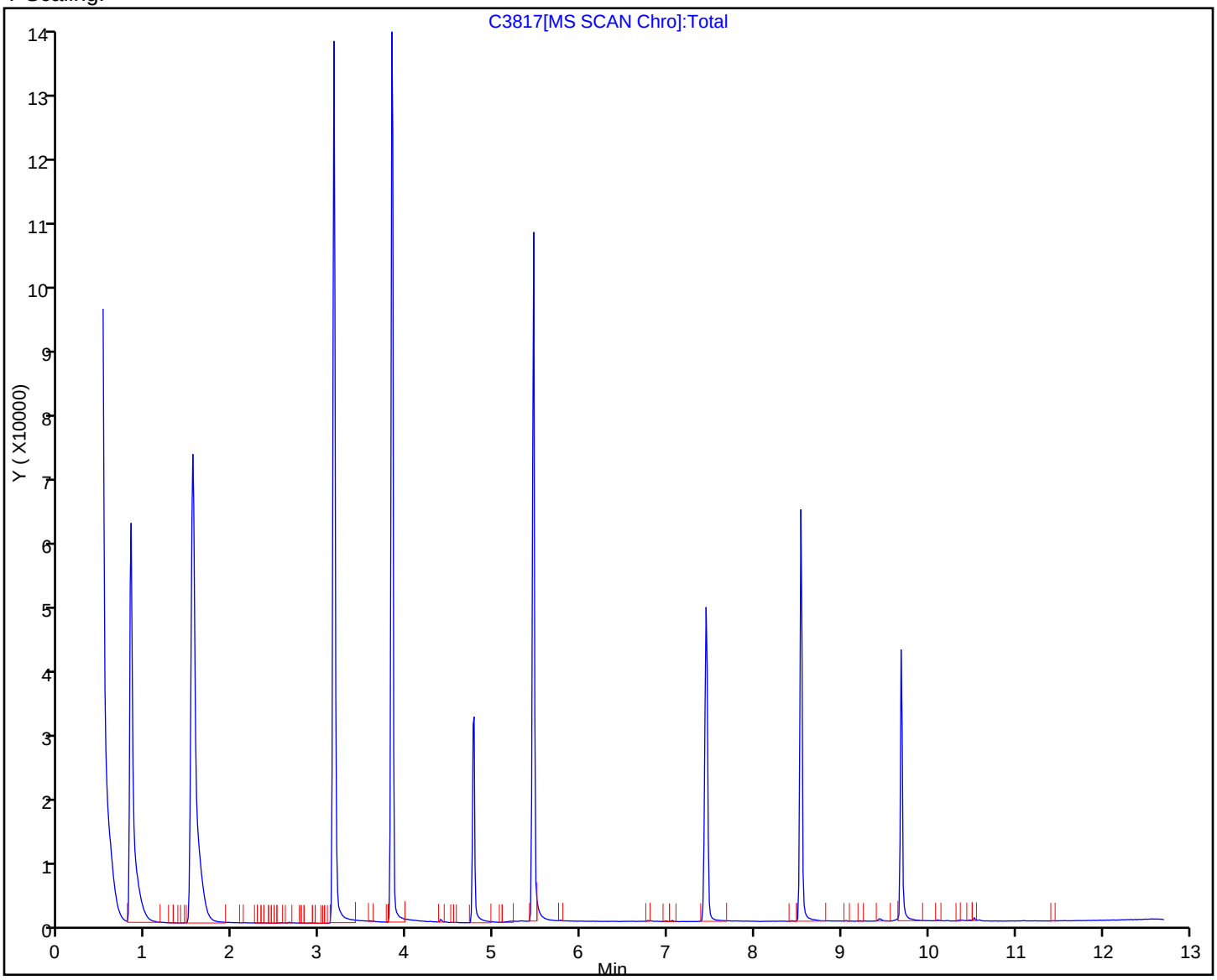
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.825	0.820	0.005	30	79201	34.1	70.0- 130.0	100.0	
128	0.825	0.820	0.005		51413		1742.7-1802.7	64.9	
54	0.825	0.820	0.005		41671		201.8- 261.8	52.6	
* 57 Naphthalene-d8									
136	1.534	1.541	-0.006	40	241200	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	3.158	3.164	-0.006	44	174198	43.3			
* 73 Acenaphthene-d10									
164	3.825	3.831	-0.006	18	104512	40.0	70.0- 130.0	100.0	
162	3.825	3.831	-0.006		94303		52.3- 112.3	90.2	
* 90 Phenanthrene-d10									
188	5.457	5.458	-0.001	4	150842	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	7.440	7.429	0.011	44	75832	35.3	70.0- 130.0	100.0	
122	7.440	7.429	0.011		17567		0.0- 52.7	23.2	
* 103 Chrysene-d12									
240	8.531	8.532	-0.001	12	90301	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	9.684	9.684	0.000	25	54762	40.0	70.0- 130.0	100.0	

Report Date: 14-Mar-2011 09:18:57 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3817.D

Injection Date:	11-Mar-2011 18:37:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	18
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: C3818.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:30

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.59(g) | Date Analyzed: 03/11/2011 18:55

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 8.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | 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	<0.021		0.021	0.0023
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	0.0024
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	0.0043
129-00-0	Pyrene	<0.021		0.021	0.0040
86-73-7	Fluorene	<0.021		0.021	0.0029
193-39-5	Indeno[1,2,3-cd]pyrene	<0.021		0.021	0.0024
91-20-3	Naphthalene	<0.021		0.021	0.0035
85-01-8	Phenanthrene	<0.021		0.021	0.0033

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	64		10-194
4165-60-0	Nitrobenzene-d5	65		10-117
321-60-8	2-Fluorobiphenyl	88		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3818.D		
Lims ID:	510-62781-J-5-B	Client ID:	SB0058: FIELD DUPLICATE
Inject. Date:	11-Mar-2011 18:55:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-5		
Misc. Info.:	510-0004521-019 =510-0004521-019		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	77268	Lims Sample ID:	19
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Limit Group:	SMS - 1 - 8270 SIM Calibration		
Integrator:	RTE	ID Type:	RT Order ID
Process Host:	VAL-SMS-LAB1		

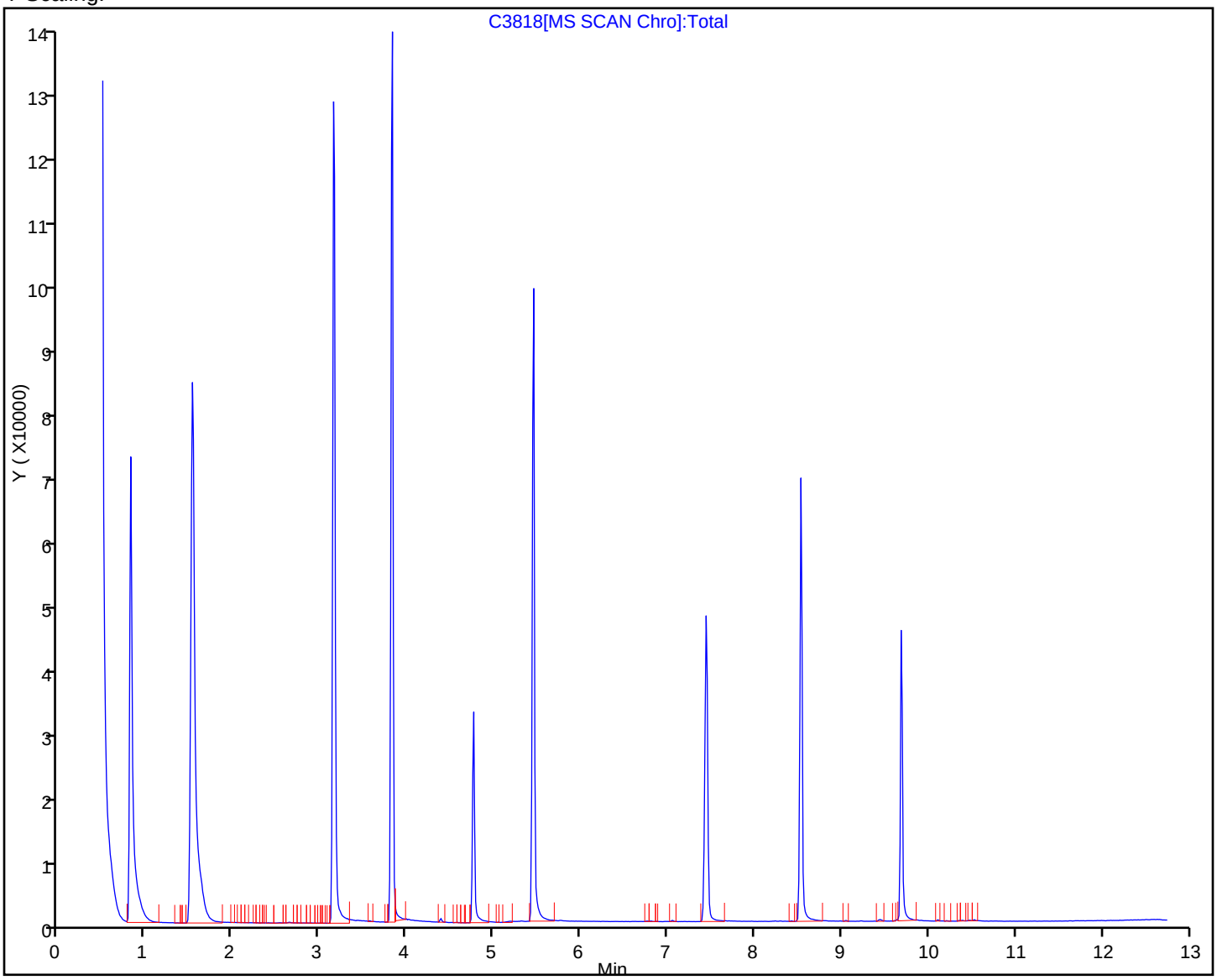
First Level Reviewer: squiresb Date: 14-Mar-2011 09:19:11

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.821	0.820	0.001	30	77115	32.6	70.0- 130.0	100.0	
128	0.821	0.820	0.001		49664		1742.7-1802.7	64.4	
54	0.821	0.820	0.001		40260		201.8- 261.8	52.2	
* 57 Naphthalene-d8									
136	1.530	1.541	-0.010	40	245315	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	3.154	3.164	-0.010	44	164696	43.9			
* 73 Acenaphthene-d10									
164	3.831	3.831	0.000	18	97764	40.0	70.0- 130.0	100.0	
162	3.831	3.831	0.000		88700		52.3- 112.3	90.7	
* 90 Phenanthrene-d10									
188	5.458	5.458	0.000	4	147606	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	7.441	7.429	0.012	44	70713	31.8	70.0- 130.0	100.0	
122	7.441	7.429	0.012		16366		0.0- 52.7	23.1	
* 103 Chrysene-d12									
240	8.532	8.532	0.000	12	93418	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	9.684	9.684	0.000	25	58092	40.0	70.0- 130.0	100.0	

Report Date: 14-Mar-2011 09:19:11 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3818.D		
Injection Date:	11-Mar-2011 18:55:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	19
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



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

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 76981

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 12:07 Calibration End Date: 03/07/2011 14:14 Calibration ID: 3767

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-76981/3	C3722.D
Level 2	IC 510-76981/4	C3723.D
Level 3	IC 510-76981/5	C3724.D
Level 4	IC 510-76981/6	C3725.D
Level 5	IC 510-76981/7	C3726.D
Level 6	IC 510-76981/8	C3727.D
Level 7	IC 510-76981/9	C3728.D
Level 8	IC 510-76981/10	C3729.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	1.1091 1.1752	1.2134 1.1520	1.1521 1.1194	1.1862	1.2026	Ave		1.1637			0.0500	3.2		15.0			
2-Methylnaphthalene	0.6856 0.7294	0.7072 0.7391	0.6821 0.7233	0.7304	0.7656	Ave		0.7203			0.0500	3.9		15.0			
Acenaphthylene	2.2126 2.0257	2.4789 1.7957	2.2230 1.5055	2.3966	2.2327	Ave		2.1089			0.0500	15.0		15.0			
Acenaphthene	1.1928 1.0699	1.3728 0.9450	1.2577 0.7935	1.2093	1.1669	Qua	0.4319	1.1090	-0.004		0.0500				1.0000		0.9950
Fluorene	1.2825 1.3558	1.5605 1.1600	1.4705 1.0009	1.5830	1.4256	Ave		1.3549			0.0500	15.0		15.0			
Phenanthrene	1.2727 1.2747	1.4604 1.2677	1.2630 1.1803	1.3314	1.3480	Ave		1.2998			0.0500	6.3		15.0			
Anthracene	1.2754 1.3807	1.4357 1.2831	1.3982 1.2417	1.4266	1.4138	Ave		1.3569			0.0500	5.7		15.0			
Fluoranthene	1.1052 1.1429	1.2529 1.1245	1.1598 1.0132	1.1504	1.2453	Ave		1.1493			0.0500	6.7		15.0			
Pyrene	1.6604 1.7969	1.9086 1.9113	2.0762 1.8995	2.1698	2.0140	Ave		1.9296			0.0500	8.3		15.0			
Benzo[a]anthracene	1.6980 1.5169	1.7667 1.3603	1.4173 1.2987	1.6852	1.6091	Ave		1.5440			0.0500	11.0		15.0			
Chrysene	1.6257 1.4488	1.5684 1.5642	2.0089 1.5290	1.5274	1.5045	Ave		1.5971			0.0500	11.0		15.0			
Benzo[b]fluoranthene	1.4297 2.0393	1.7682 2.4120	1.7911 2.0717	2.1630	2.2043	Lin2	-0.396	2.1774			0.0500				0.9950		0.9900
Benzo[k]fluoranthene	2.9522 3.3190	3.0862 2.6875	2.9190 2.5429	2.9057	3.2862	Ave		2.9624			0.0500	9.1		15.0			
Benzo[a]pyrene	1.2785 1.9799	1.5403 1.9665	1.8535 1.8520	1.9908	2.1248	Ave		1.8233			0.0500	15.0		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 CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 76981

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 12:07 Calibration End Date: 03/07/2011 14:14 Calibration ID: 3767

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	1.0380 1.4112	1.0458 1.4594	0.9770 1.4348	1.2944	1.4246	Lin	-0.440	1.4456			0.0500				1.0000		0.9900
Dibenz(a,h)anthracene	0.8428 1.2068	0.8882 1.2572	0.6322 1.2102	1.1083	1.2812	Lin	-0.208	1.2229			0.0500				0.9990		0.9900
Benzo[g,h,i]perylene	1.2547 1.3596	1.1421 1.3686	1.1259 1.2393	1.3258	1.5047	Ave		1.2901			0.0500	9.8		15.0			
Nitrobenzene-d5	0.3232 0.4240	0.3413 0.4061	0.3034 0.4163	0.4383	0.4332	Ave		0.3857			0.0500	14.0		15.0			
2-Fluorobiphenyl	2.2262 1.8018	2.3576 1.5465	2.0445 1.2151	2.0529	1.9443	Qua	0.6610	1.9013	-0.009		0.0500				1.0000		0.9950
Terphenyl-d14	0.7912 0.9382	0.9089 0.9971	0.9915 0.9450	1.0701	0.9704	Ave		0.9516			0.0500	8.5		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.: 510-62781-1 Analy Batch No.: 76981

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 12:07 Calibration End Date: 03/07/2011 14:14 Calibration ID: 3767

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 510-76981/3	C3722.D
Level 2	IC 510-76981/4	C3723.D
Level 3	IC 510-76981/5	C3724.D
Level 4	IC 510-76981/6	C3725.D
Level 5	IC 510-76981/7	C3726.D
Level 6	IC 510-76981/8	C3727.D
Level 7	IC 510-76981/9	C3728.D
Level 8	IC 510-76981/10	C3729.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	4664 146908	9215 314214	14533 590347	51689	85188	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Methylnaphthalene	NPT	Ave	2883 91185	5371 201590	8605 381474	31827	54231	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthylene	ANT	Ave	4068 119220	7620 262712	12231 500960	47672	77561	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Acenaphthene	ANT	Qua	2193 62968	4220 138249	6920 264035	24055	40536	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluorene	ANT	Ave	2358 79792	4797 169712	8091 333052	31488	49524	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Phenanthrene	PHN	Ave	2804 91183	6031 211730	9103 423880	35680	58330	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Anthracene	PHN	Ave	2810 98768	5929 214301	10077 445952	38231	61176	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Fluoranthene	PHN	Ave	2435 81757	5174 187814	8359 363882	30829	53883	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Pyrene	CRY	Ave	2344 83295	5218 190193	8483 385491	31826	56599	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]anthracene	CRY	Ave	2397 70314	4830 135367	5791 263560	24717	45220	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Chrysene	CRY	Ave	2295 67158	4288 155661	8208 310294	22403	42279	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[b]fluoranthene	PRY	Lin2	1201 55803	2793 149569	4618 280399	18699	36849	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[k]fluoranthene	PRY	Ave	2480 90822	4875 166656	7526 344172	25119	54934	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[a]pyrene	PRY	Ave	1074 54179	2433 121945	4779 250660	17210	35520	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Indeno[1,2,3-cd]pyrene	PRY	Lin	872 38617	1652 90496	2519 194188	11190	23814	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.: 510-62781-1 Analy Batch No.: 76981

SDG No.:

Instrument ID: SMSB GC Column: 8270/625 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 12:07 Calibration End Date: 03/07/2011 14:14 Calibration ID: 3767

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	Lin	708 33023	1403 77962	1630 163789	9581	21417	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Benzo[g,h,i]perylene	PRY	Ave	1054 37205	1804 84869	2903 167734	11461	25154	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Nitrobenzene-d5	NPT	Ave	1359 53001	2592 110765	3827 219558	19100	30689	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
2-Fluorobiphenyl	ANT	Qua	4093 106045	7247 226244	11249 404326	40834	67542	0.500 20.0	1.00 40.0	2.00 80.0	5.00	10.0
Terphenyl-d14	CRY	Ave	1117 43489	2485 99223	4051 191787	15696	27270	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
Qua = Quadratic ISTD

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Lims ID:	ic 0.5	Client ID:	
Inject. Date:	07-Mar-2011 12:07:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	IC 0.5		
Misc. Info.:	510-0004486-003 =510-0004486-003		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	3
Lims Batch ID:	76981	Lims Sample ID:	3
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:30

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.624	0.630	-0.006	0	138285	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.054	1.060	-0.006	34	1359	0.4189	70.0- 130.0	100.0	
128	1.065	1.060	0.005		767		29.6- 89.6	56.4	
54	1.054	1.060	-0.006		722		25.7- 85.7	53.1	
* 57 Naphthalene-d8									
136	1.903	1.910	-0.007	40	336426	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.925	1.931	-0.006	1	4664	0.4765	70.0- 130.0	100.0	
129	1.936	1.931	0.005		548		0.0- 40.6	11.7	
127	1.936	1.931	0.005		534		0.0- 42.0	11.4	
62 2-Methylnaphthalene									
142	2.871	2.867	0.004	58	2883	0.4759	70.0- 130.0	100.0	
141	2.871	2.867	0.004		2465		54.1- 114.1	85.5	
115	2.871	2.867	0.004		1050		6.6- 66.6	36.4	
$ 66 2-Fluorobiphenyl									
172	3.452	3.448	0.004	43	4093	0.2381			
71 Acenaphthylene									
152	3.925	3.921	0.004	76	4068	0.5246	70.0- 130.0	100.0	
151	3.925	3.921	0.004		761		0.0- 49.0	18.7	
* 73 Acenaphthene-d10									
164	4.118	4.125	-0.007	17	147085	40.0	70.0- 130.0	100.0	
162	4.118	4.125	-0.007		127655		54.2- 114.2	86.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.151	4.157	-0.006	49	2193	0.1484	70.0- 130.0	100.0	
152	4.151	4.157	-0.006		1076		20.6- 80.6	49.1	
153	4.151	4.157	-0.006		2158		73.1- 133.1	98.4	
80 Fluorene									
166	4.731	4.738	-0.007	68	2358	0.4733	70.0- 130.0	100.0	
165	4.731	4.738	-0.007		2176		60.9- 120.9	92.3	
* 90 Phenanthrene-d10									
188	5.747	5.747	0.000	3	176260	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.771	5.772	-0.001	1	2804	0.4896	70.0- 130.0	100.0	
179	5.771	5.772	-0.001		600		0.0- 45.8	21.4	
92 Anthracene									
178	5.821	5.821	0.000	39	2810	0.4700	70.0- 130.0	100.0	
95 Fluoranthene									
202	7.085	7.086	-0.001	58	2435	0.4808	70.0- 130.0	100.0	
97 Pyrene									
202	7.321	7.321	0.000	59	2344	0.4302	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	7.829	7.817	0.012	46	1117	0.4158	70.0- 130.0	100.0	
101 Benzo[a]anthracene									M
228	8.808	8.796	0.012	52	2397	0.5499	70.0- 130.0	100.0	M
226	8.833	8.796	0.037		652		0.0- 59.9	27.2	
* 103 Chrysene-d12									
240	8.820	8.821	-0.001	14	112936	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	8.833	8.833	0.000	0	2295	0.5090	70.0- 130.0	100.0	M
226	0.0	8.833	-8.833		0		0.8- 60.8		
229	0.0	8.833	-8.833		0		0.0- 49.6		
106 Benzo[b]fluoranthene									M
252	9.688	9.688	0.000	30	1201	0.5102	70.0- 130.0	100.0	M
253	9.700	9.688	0.012		628		13.4- 73.4	52.3	
107 Benzo[k]fluoranthene									M
252	9.700	9.701	-0.001	33	2480	0.4983	70.0- 130.0	100.0	M
253	9.700	9.701	-0.001		628		0.0- 59.1	25.3	
108 Benzo[a]pyrene									M
252	9.886	9.887	-0.001	8	1074	0.3506	70.0- 130.0	100.0	M
253	9.700	9.887	-0.187		628		0.0- 51.3	58.5	
* 109 Perylene-d12									
264	9.936	9.936	0.000	25	67203	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.593	10.593	0.000	0	872	0.6631	70.0- 130.0	100.0	M
138	0.0	10.593	-10.593		0		0.0- 53.2		
111 Dibenz(a,h)anthracene									M
278	10.642	10.630	0.012	0	708	0.5149	70.0- 130.0	100.0	M
139	0.0	10.630	-10.630		0		0.0- 51.4		

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									M
276	10.729	10.730	-0.001	0	1054	0.4863	70.0- 130.0	100.0	M
138	0.0	10.730	-10.730		0		6.3- 66.3		

QC Flag Legend

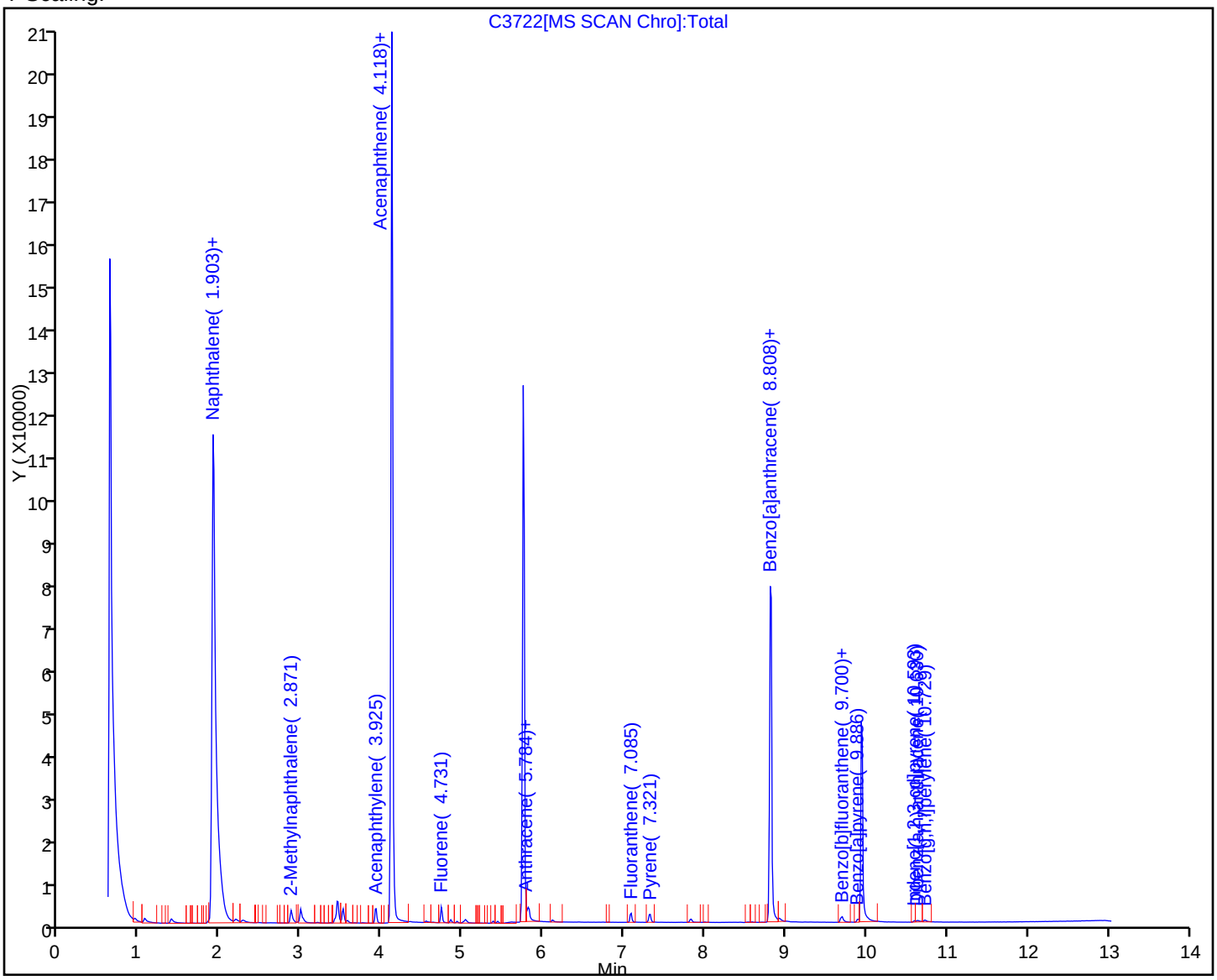
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D

Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

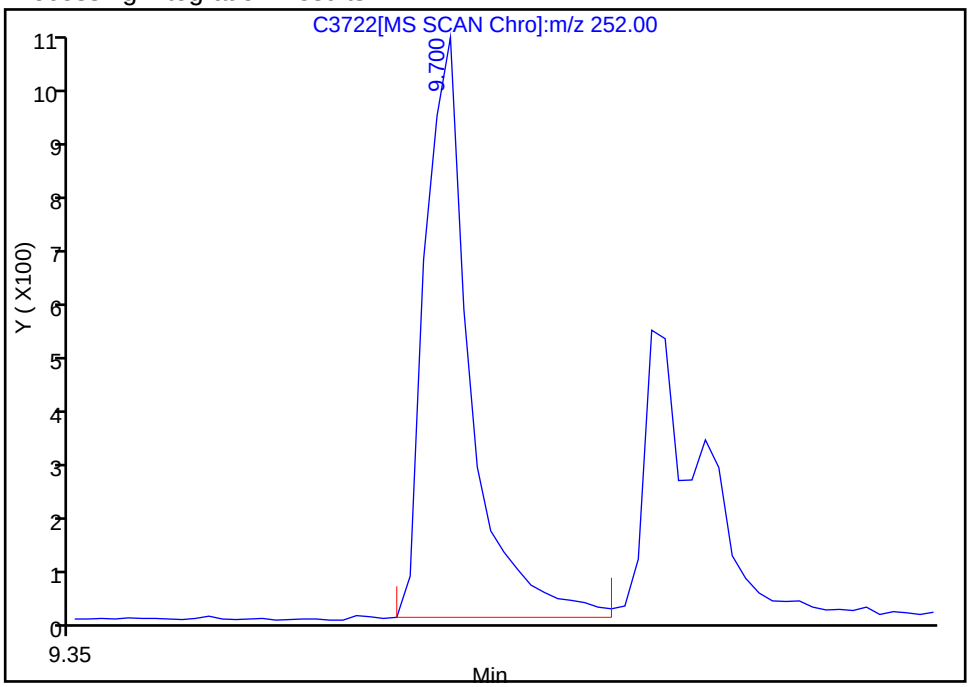
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

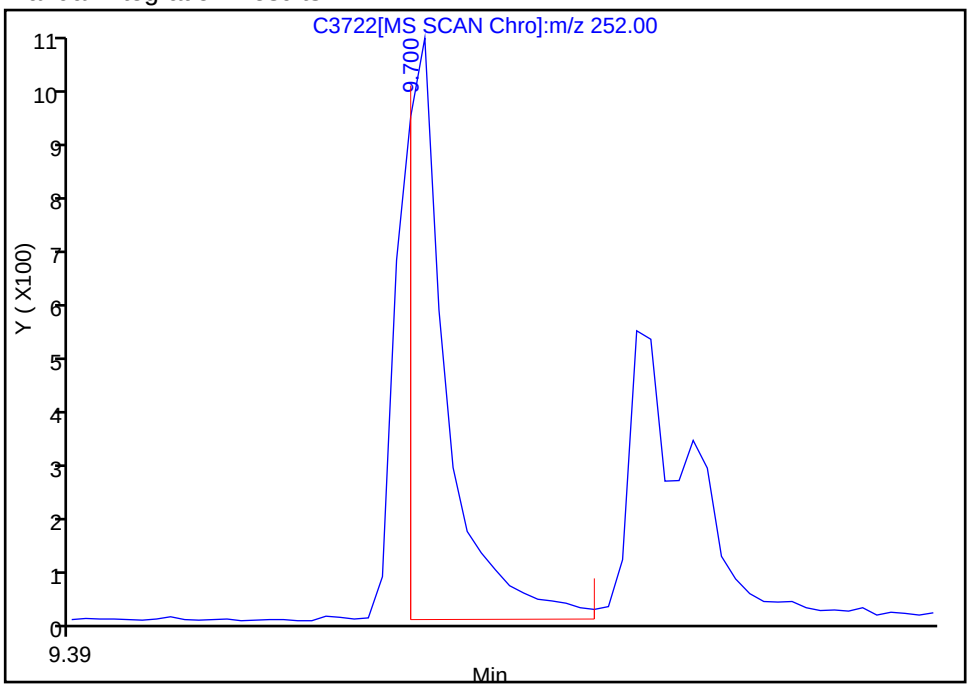
Processing Integration Results

RT: 9.70
Response: 2979
Amount: 0.441929



Manual Integration Results

RT: 9.70
Response: 2480
Amount: 0.498295



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

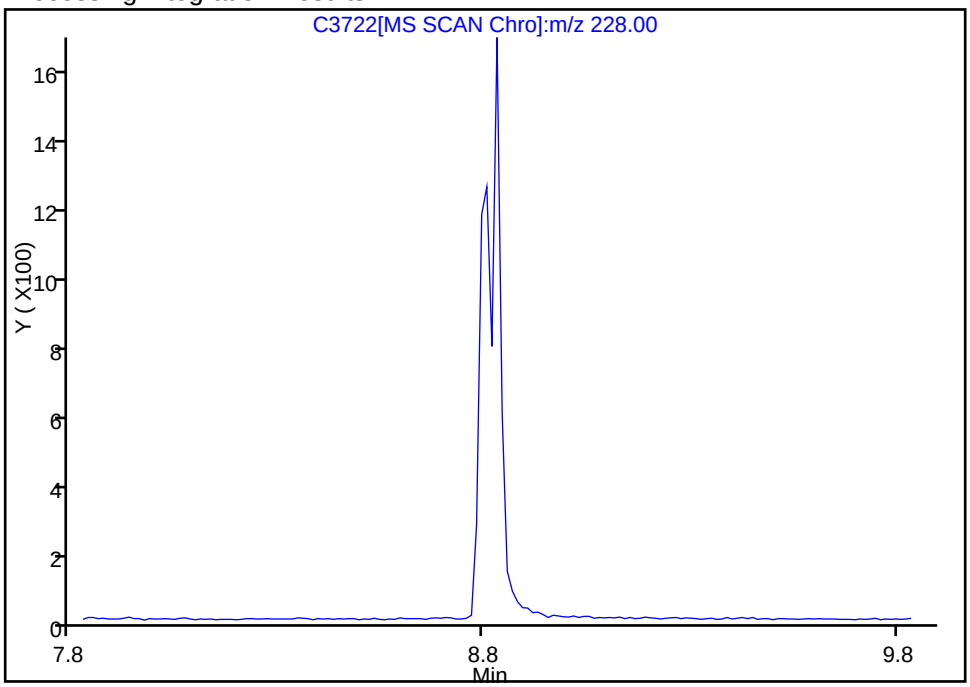
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.83

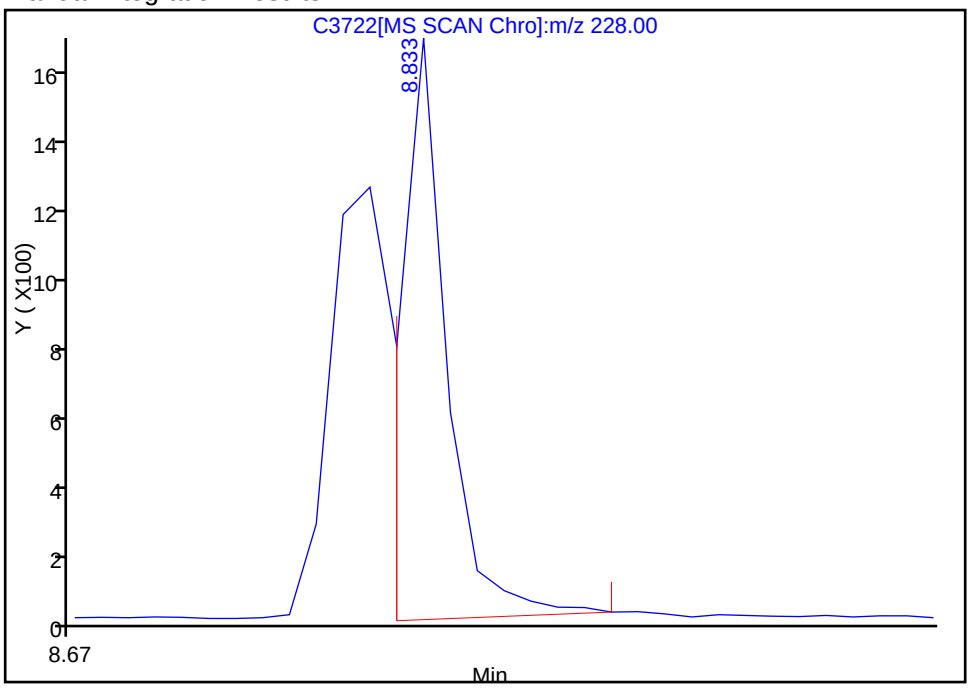
Processing Integration Results

Not Detected
Expected RT: 8.83



Manual Integration Results

RT: 8.83
Response: 2295
Amount: 0.508951



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

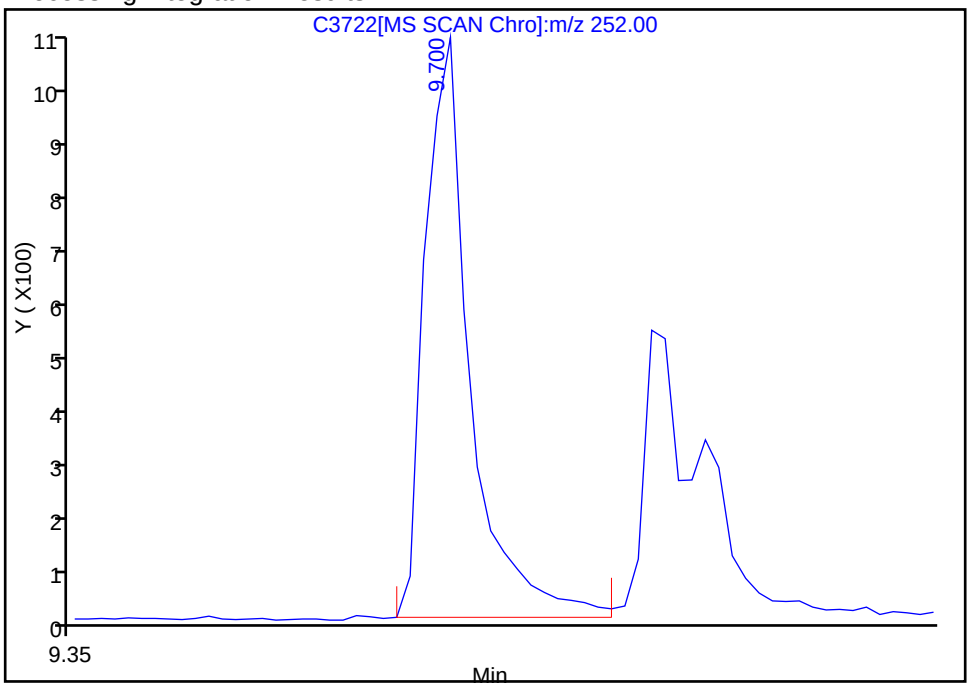
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.89

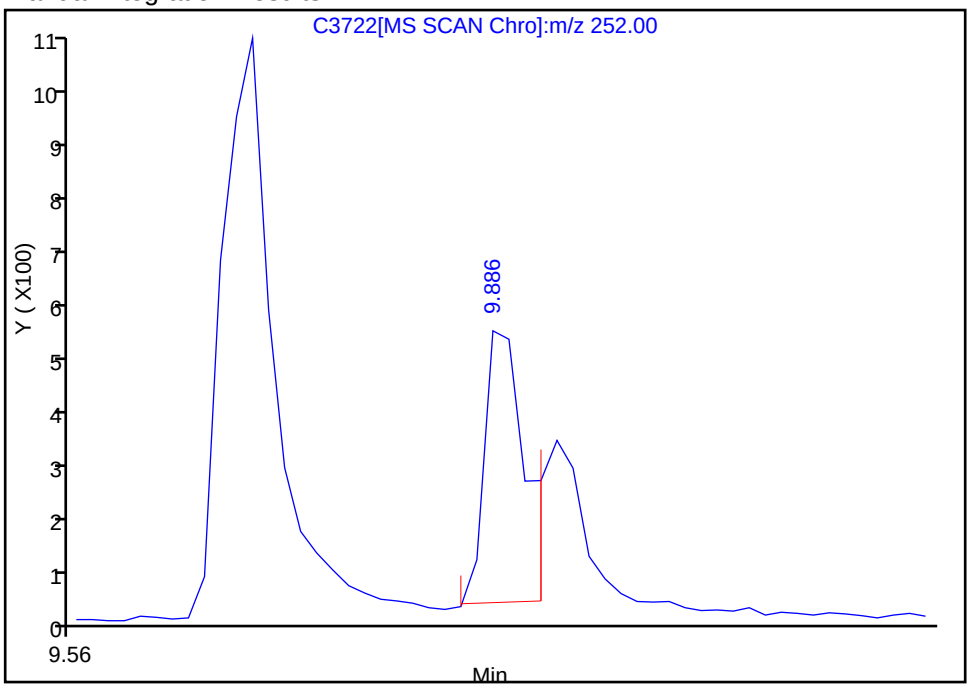
Processing Integration Results

RT: 9.70
Response: 2979
Amount: 0.441929



Manual Integration Results

RT: 9.89
Response: 1074
Amount: 0.350604



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

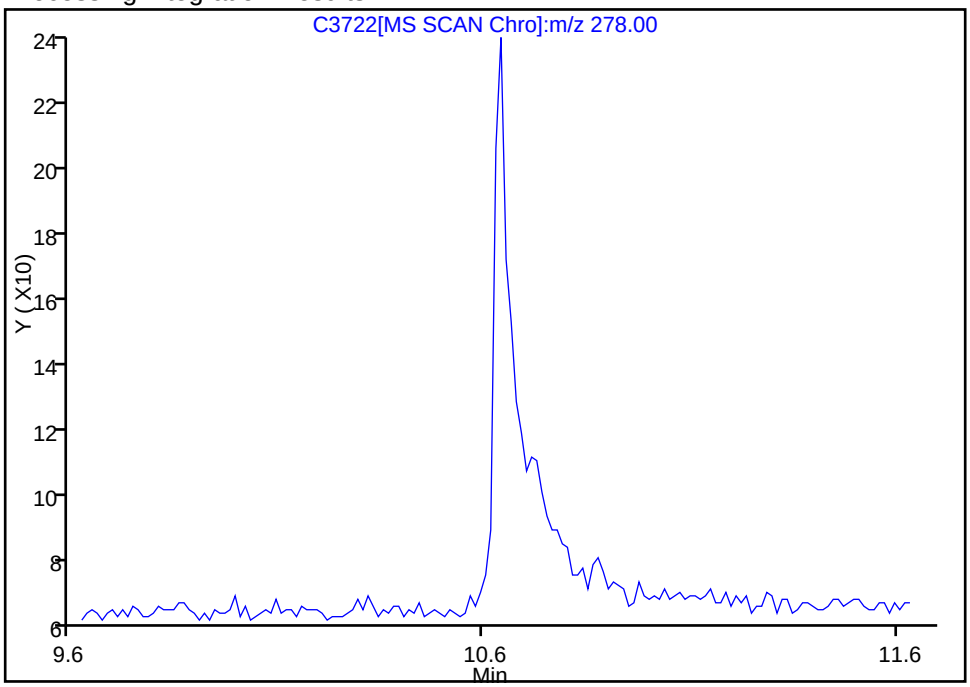
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

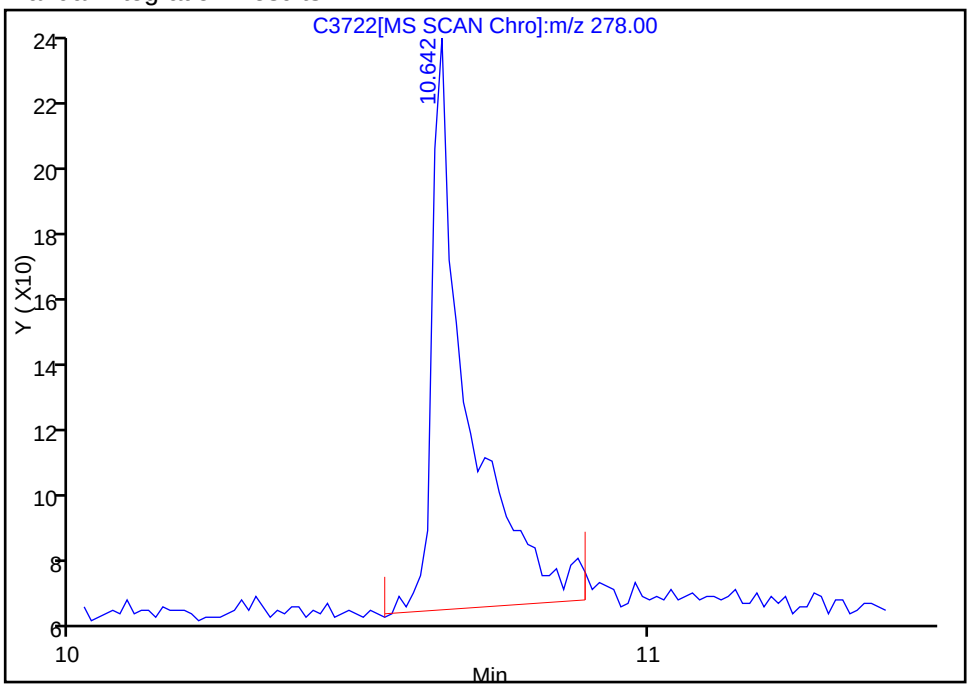
Processing Integration Results

Not Detected
Expected RT: 10.63



Manual Integration Results

RT: 10.64
Response: 708
Amount: 0.514927



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

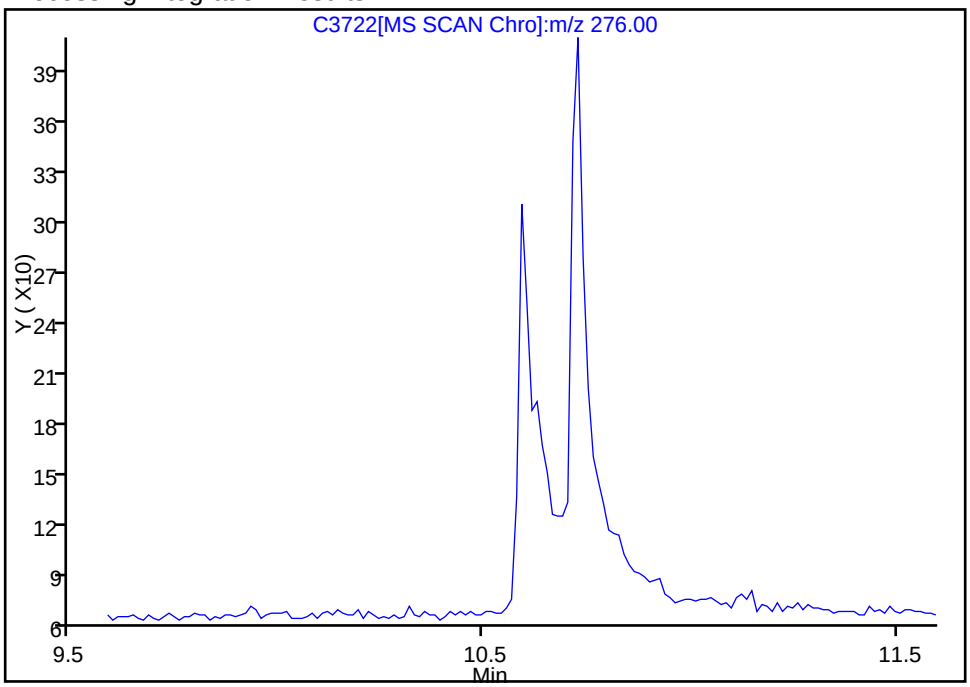
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.59

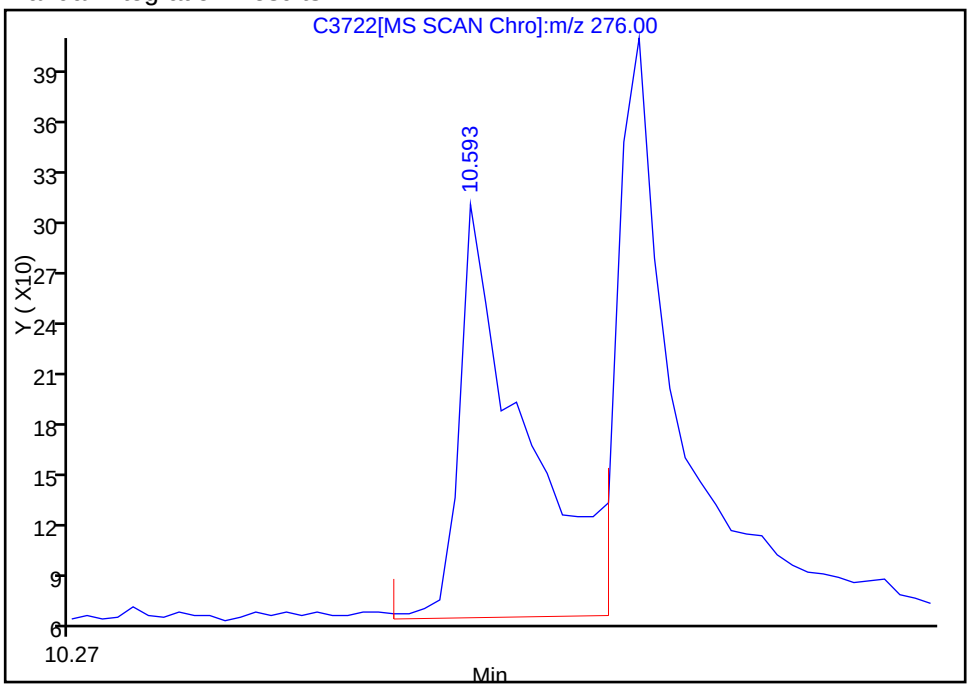
Not Detected
Expected RT: 10.59

Processing Integration Results



Manual Integration Results

RT: 10.59
Response: 872
Amount: 0.663079



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

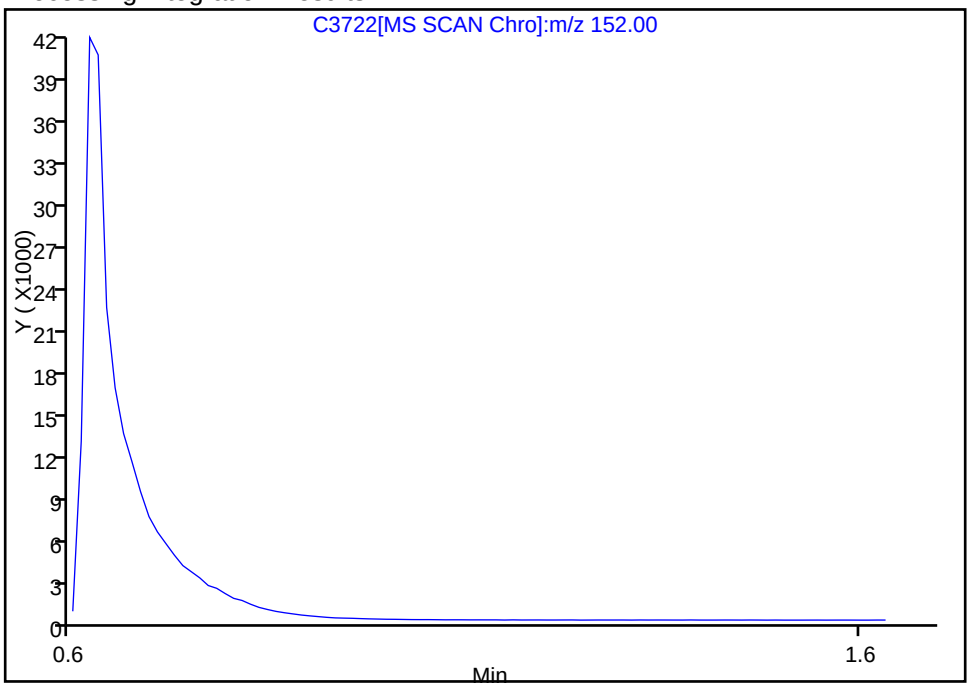
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

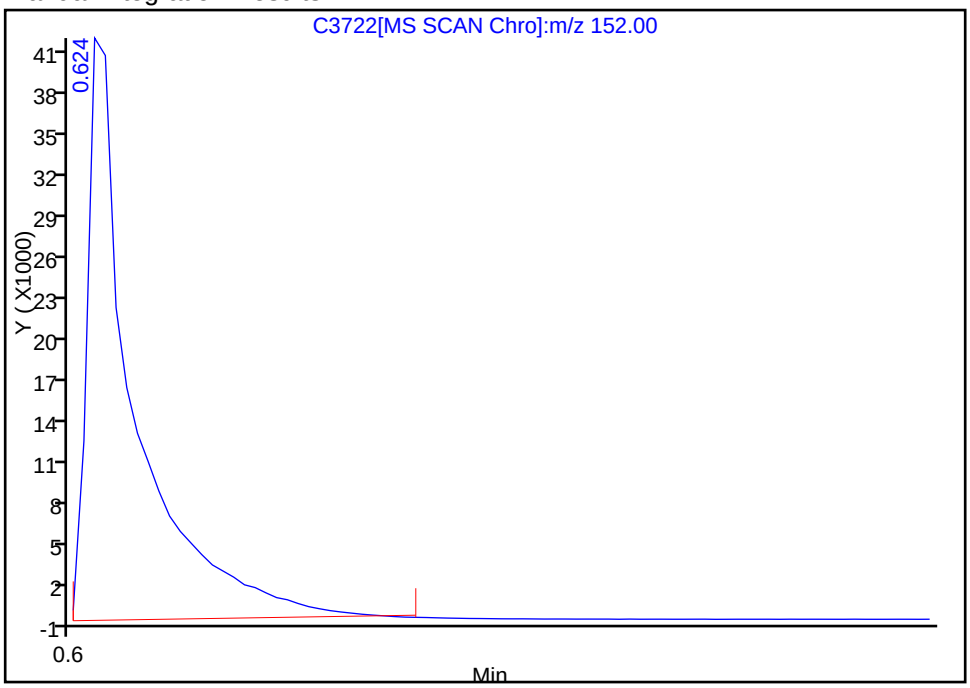
Processing Integration Results

Not Detected
Expected RT: 0.63



Manual Integration Results

RT: 0.62
Response: 138285
Amount: 40.000000



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

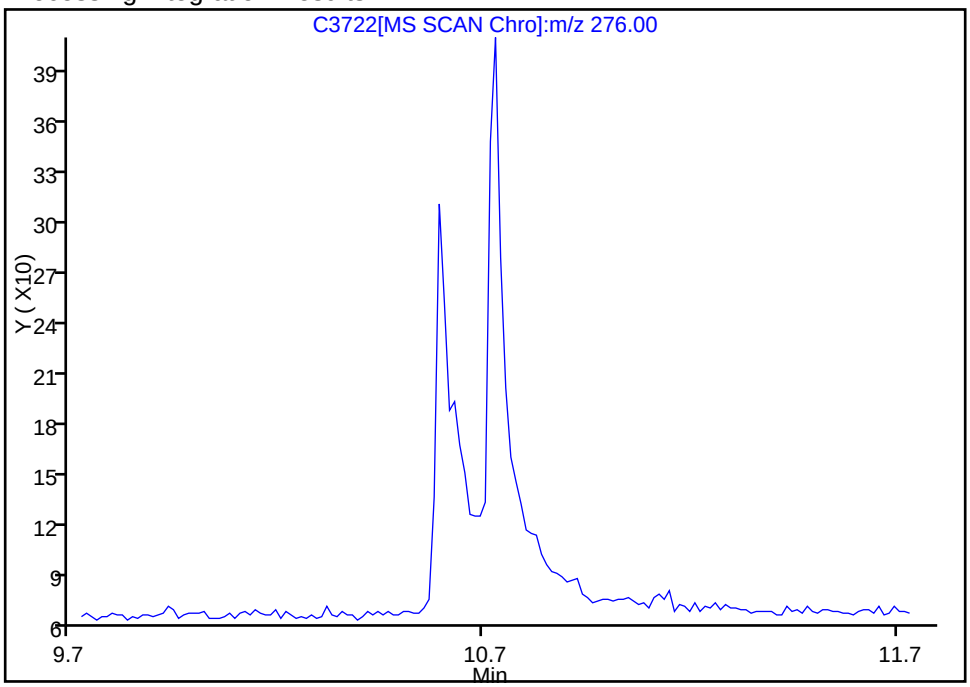
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.73

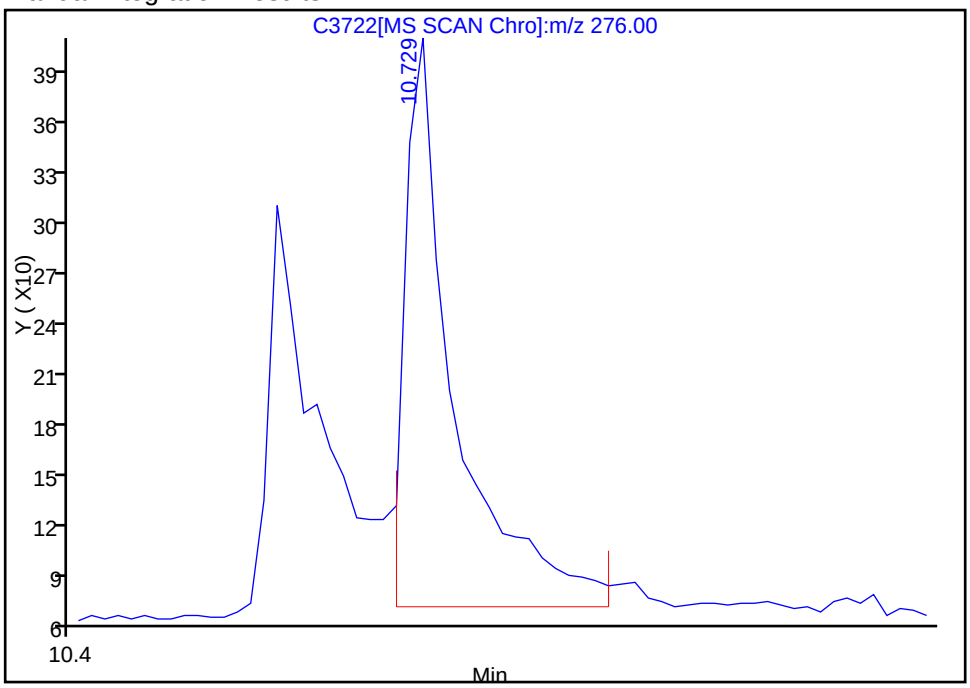
Processing Integration Results

Not Detected
Expected RT: 10.73



Manual Integration Results

RT: 10.73
Response: 1054
Amount: 0.486284



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

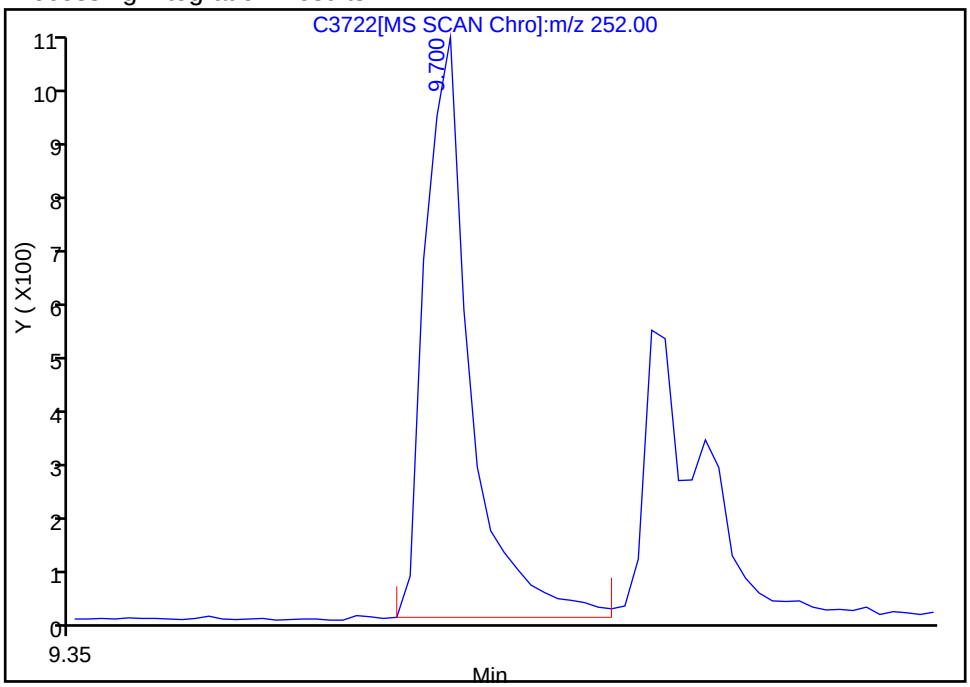
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

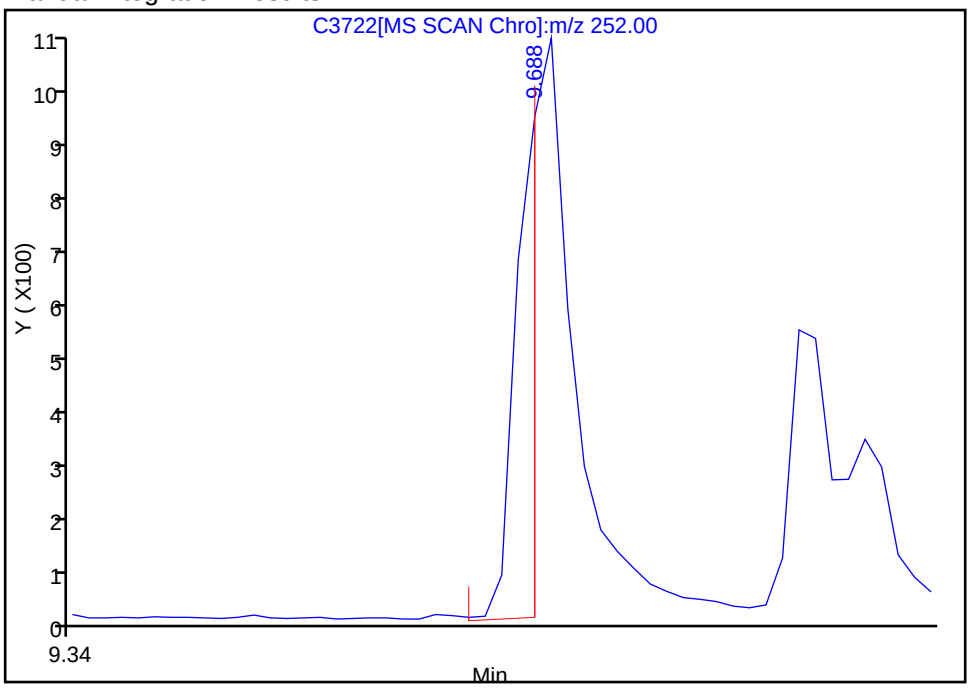
Processing Integration Results

RT: 9.70
Response: 2979
Amount: 0.441929



Manual Integration Results

RT: 9.69
Response: 1201
Amount: 0.510187



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:30 Chrom Revision: 1.2 29-Oct-2010 14:13:24

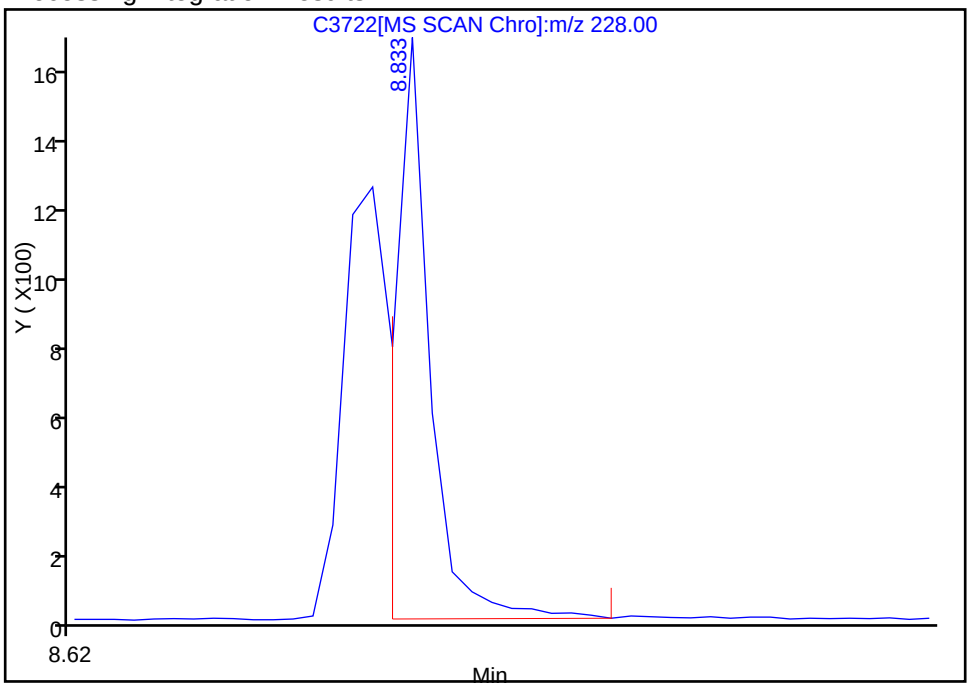
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3722.D		
Injection Date:	07-Mar-2011 12:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.80

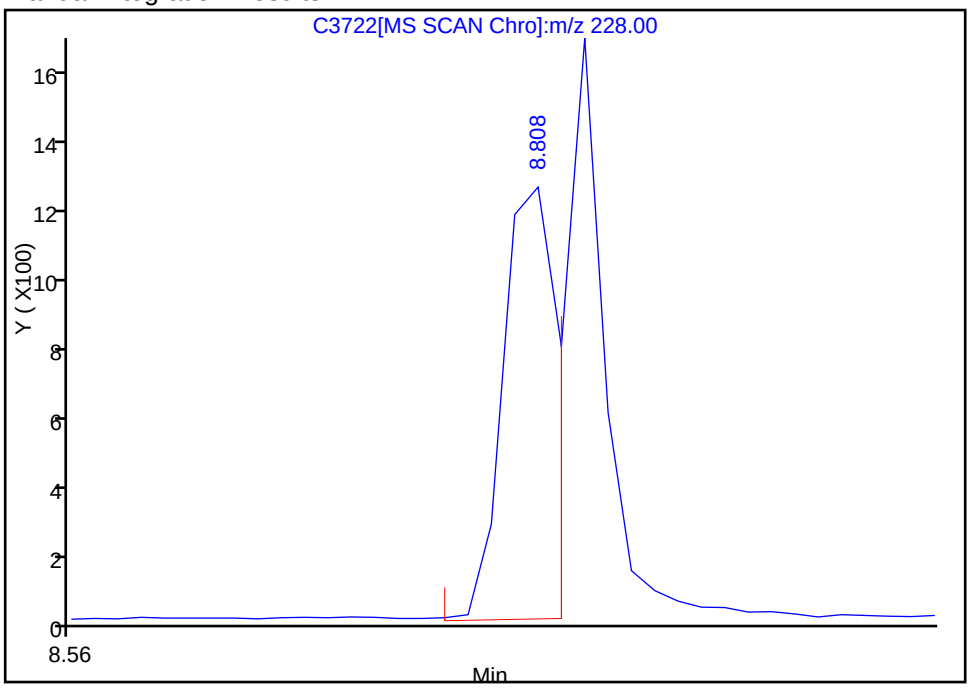
Processing Integration Results

RT: 8.83
Response: 2330
Amount: 0.539598



Manual Integration Results

RT: 8.81
Response: 2397
Amount: 0.549851



Reviewer: squiresb, 07-Mar-2011 14:18:01
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Lims ID:	ic 001	Client ID:	
Inject. Date:	07-Mar-2011 12:25:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	IC		
Misc. Info.:	510-0004486-004 =510-0004486-004		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	76981	Lims Sample ID:	4
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:22:01

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.625	0.630	-0.005	0	114072	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.055	1.060	-0.005	31	2592	0.8848	70.0- 130.0	100.0	
128	1.055	1.060	-0.005		1408		29.6- 89.6	54.3	
54	1.055	1.060	-0.005		1364		25.7- 85.7	52.6	
* 57 Naphthalene-d8									
136	1.904	1.910	-0.006	40	303774	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.926	1.931	-0.005	1	9215	1.04	70.0- 130.0	100.0	
129	1.926	1.931	-0.005		855		0.0- 40.6	9.3	
127	1.926	1.931	-0.005		1142		0.0- 42.0	12.4	
62 2-Methylnaphthalene									
142	2.872	2.867	0.005	59	5371	0.9818	70.0- 130.0	100.0	
141	2.872	2.867	0.005		4520		54.1- 114.1	84.2	
115	2.861	2.867	-0.006		1954		6.6- 66.6	36.4	
$ 66 2-Fluorobiphenyl									
172	3.442	3.448	-0.006	44	7247	0.8960			
71 Acenaphthylene									
152	3.915	3.921	-0.006	76	7620	1.18	70.0- 130.0	100.0	
151	3.915	3.921	-0.006		1433		0.0- 49.0	18.8	
* 73 Acenaphthene-d10									
164	4.119	4.125	-0.006	17	122957	40.0	70.0- 130.0	100.0	
162	4.119	4.125	-0.006		110454		54.2- 114.2	89.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.152	4.157	-0.005	53	4220	0.8511	70.0- 130.0	100.0	
152	4.152	4.157	-0.005		2106		20.6- 80.6	49.9	
153	4.141	4.157	-0.016		4265		73.1- 133.1	101.1	
80 Fluorene									
166	4.732	4.738	-0.006	68	4797	1.15	70.0- 130.0	100.0	
165	4.732	4.738	-0.006		4593		60.9- 120.9	95.7	
* 90 Phenanthrene-d10									
188	5.746	5.747	-0.001	4	165182	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.770	5.772	-0.002	9	6031	1.12	70.0- 130.0	100.0	
179	5.770	5.772	-0.002		1087		0.0- 45.8	18.0	
92 Anthracene									
178	5.808	5.821	-0.013	39	5929	1.06	70.0- 130.0	100.0	
179	5.808	5.821	-0.013		937		0.0- 45.2	15.8	
95 Fluoranthene									
202	7.084	7.086	-0.002	58	5174	1.09	70.0- 130.0	100.0	
101	7.072	7.086	-0.014		777		0.0- 46.2	15.0	
203	7.084	7.086	-0.002		857		0.0- 47.4	16.6	
97 Pyrene									
202	7.307	7.321	-0.014	61	5218	0.9891	70.0- 130.0	100.0	
101	7.307	7.321	-0.014		997		0.0- 48.5	19.1	
$ 98 Terphenyl-d14									
244	7.828	7.817	0.011	46	2485	0.9552	70.0- 130.0	100.0	
122	7.815	7.817	-0.002		547		0.0- 52.1	22.0	
101 Benzo[a]anthracene									M
228	8.795	8.796	-0.001	53	4830	1.14	70.0- 130.0	100.0	M
229	8.832	8.796	0.036		839		0.0- 51.1	17.4	
226	8.832	8.796	0.036		1705		0.0- 59.9	35.3	
* 103 Chrysene-d12									M
240	8.807	8.821	-0.014	11	109358	40.0	70.0- 130.0	100.0	M
104 Chrysene									
228	8.832	8.833	-0.001	37	4288	0.9820	70.0- 130.0	100.0	
226	8.832	8.833	-0.001		1705		0.8- 60.8	39.8	
229	8.832	8.833	-0.001		839		0.0- 49.6	19.6	
106 Benzo[b]fluoranthene									M
252	9.687	9.688	-0.001	30	2793	0.99	70.0- 130.0	100.0	M
253	9.699	9.688	0.011		1353		13.4- 73.4	48.4	
107 Benzo[k]fluoranthene									M
252	9.699	9.701	-0.002	33	4875	1.04	70.0- 130.0	100.0	M
253	9.699	9.701	-0.002		1353		0.0- 59.1	27.8	
108 Benzo[a]pyrene									
252	9.885	9.887	-0.002	22	2433	0.8448	70.0- 130.0	100.0	
253	9.885	9.887	-0.002		527		0.0- 51.3	21.7	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.935	9.936	-0.001	25	63184	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.592	10.593	-0.001	12	1652	1.03	70.0- 130.0	100.0	M
138	10.716	10.593	0.123		501		0.0- 53.2	30.3	
111 Dibenz(a,h)anthracene									M
278	10.629	10.630	-0.001	0	1403	0.8966	70.0- 130.0	100.0	M
139	0.0	10.630	-10.630		0		0.0- 51.4		
24 Benzo[g,h,i]perylene									
276	10.716	10.730	-0.014	11	1804	0.8853	70.0- 130.0	100.0	
138	10.716	10.730	-0.014		501		6.3- 66.3	27.8	

QC Flag Legend

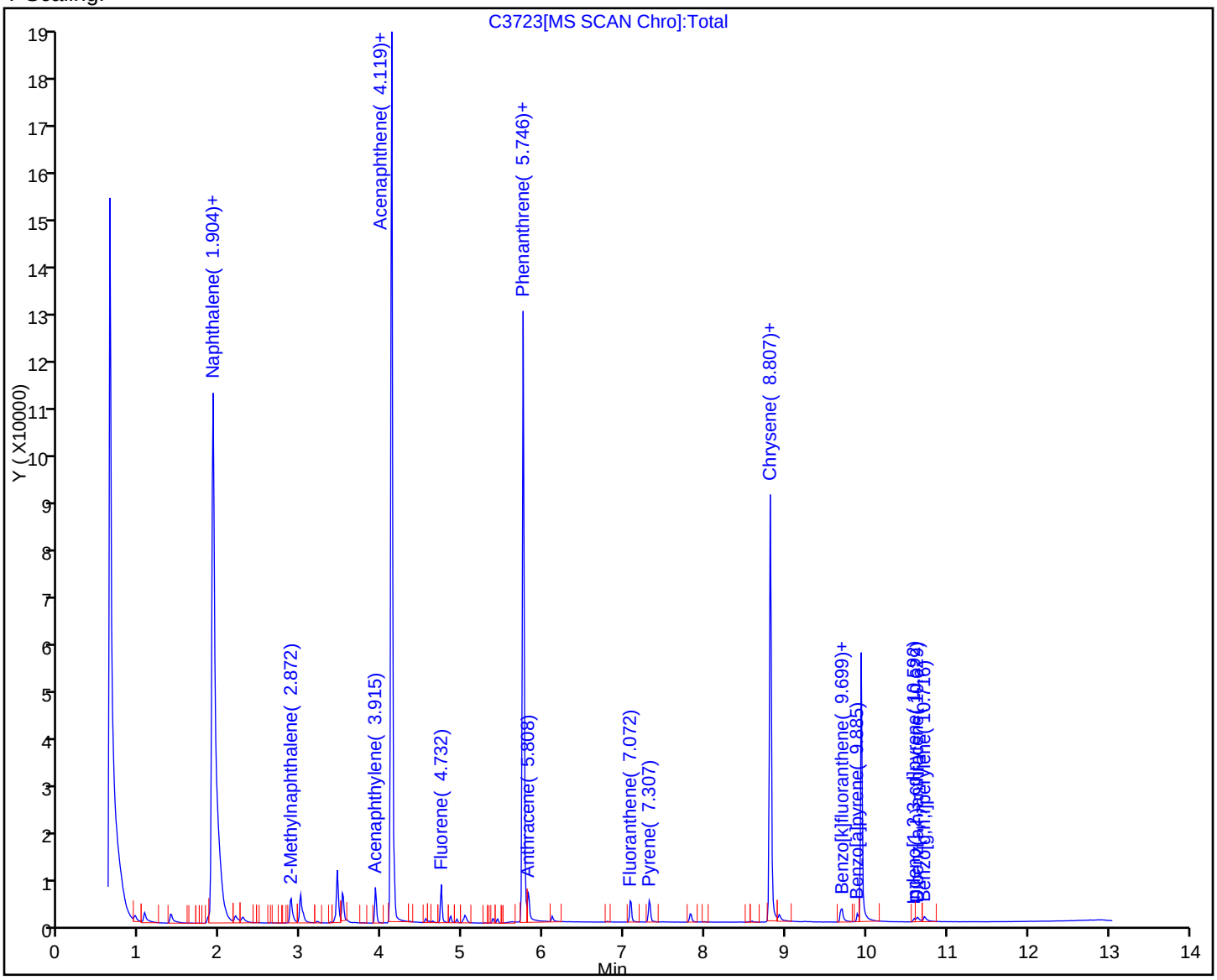
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D

Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:22:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

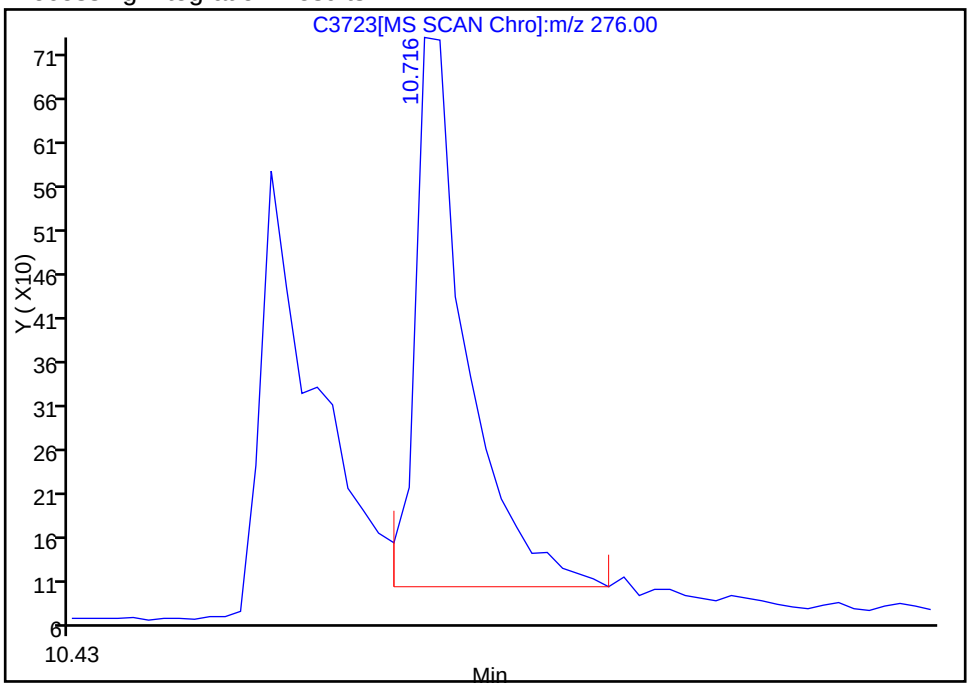
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.59

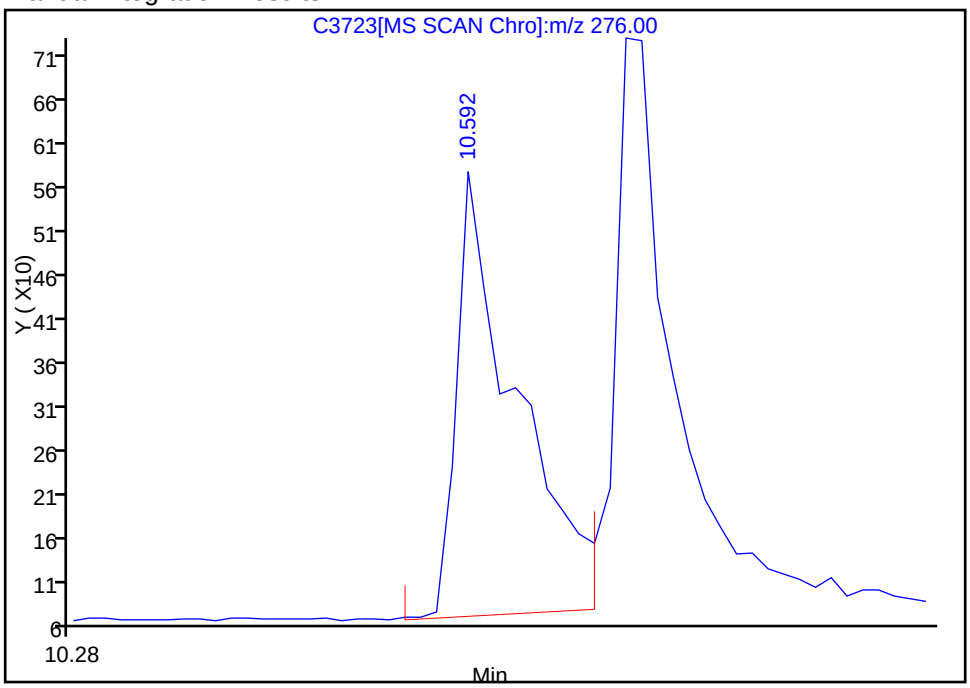
Processing Integration Results

RT: 10.72
Response: 1804
Amount: 1.001567



Manual Integration Results

RT: 10.59
Response: 1652
Amount: 1.027494



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:02 Chrom Revision: 1.2 29-Oct-2010 14:13:24

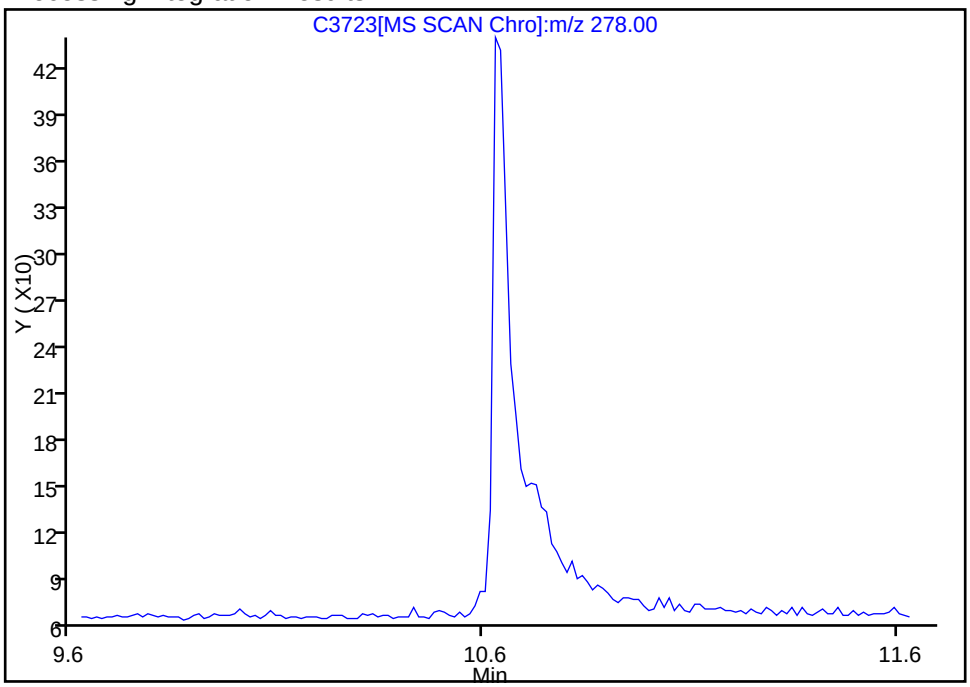
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

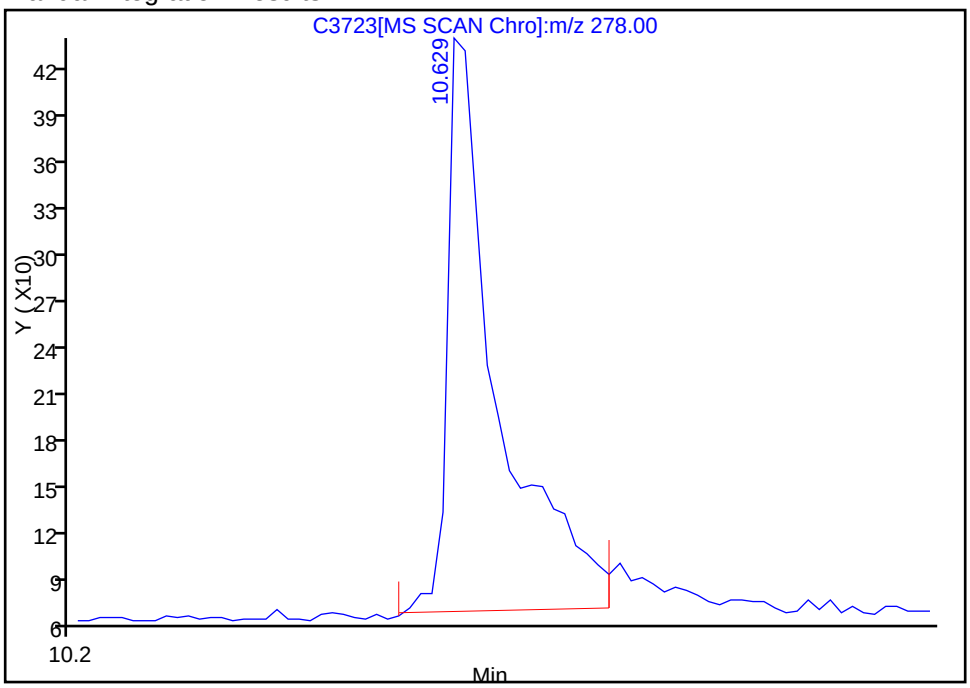
Processing Integration Results

Not Detected
Expected RT: 10.63



Manual Integration Results

RT: 10.63
Response: 1403
Amount: 0.896632



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

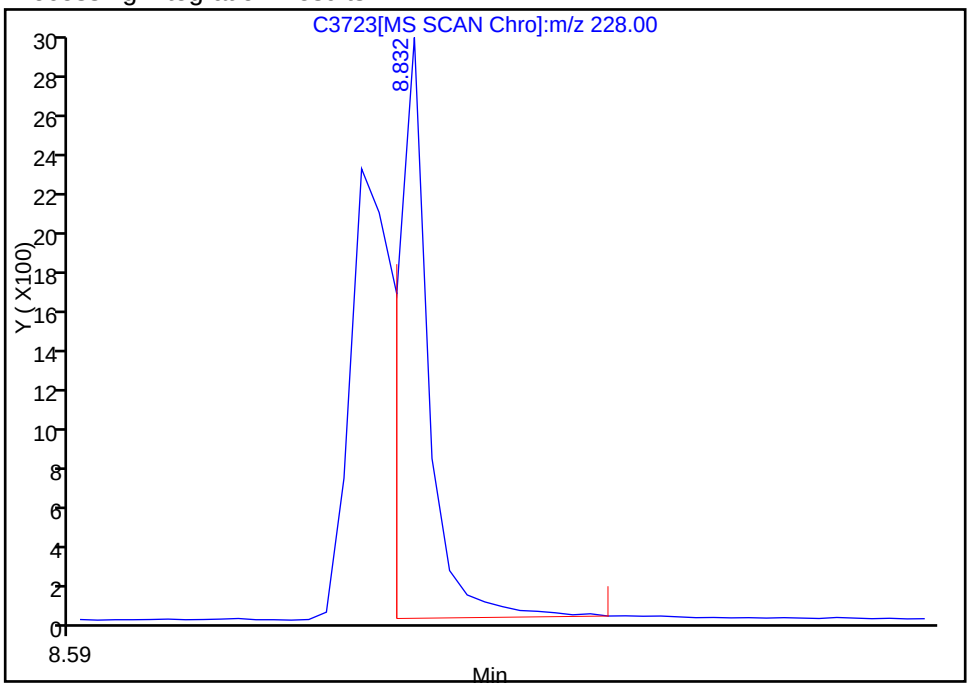
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.80

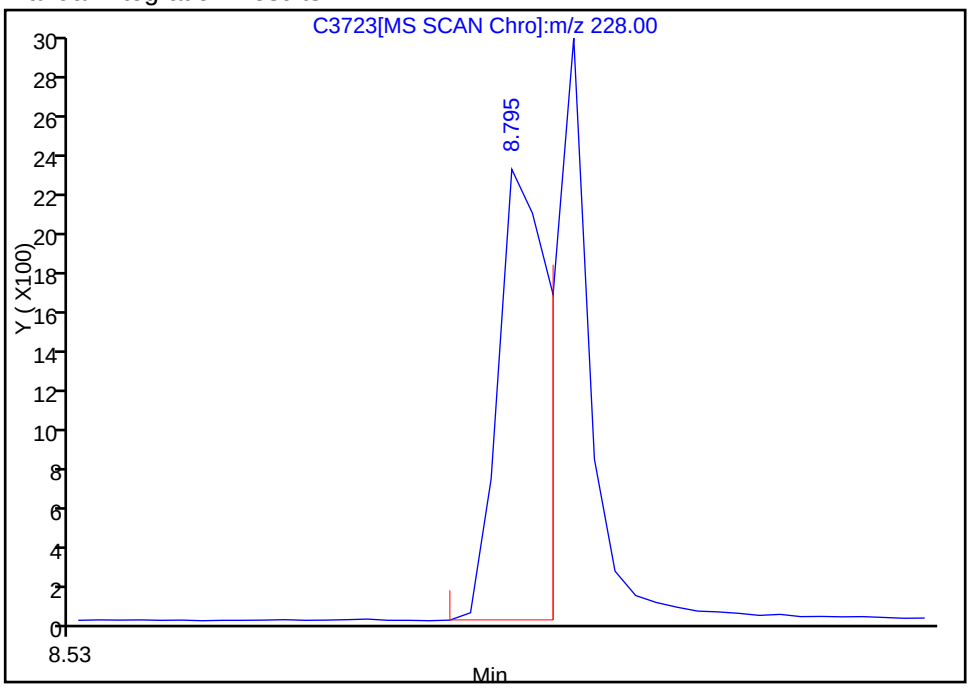
Processing Integration Results

RT: 8.83
Response: 4288
Amount: 1.063731



Manual Integration Results

RT: 8.79
Response: 4830
Amount: 1.144211



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

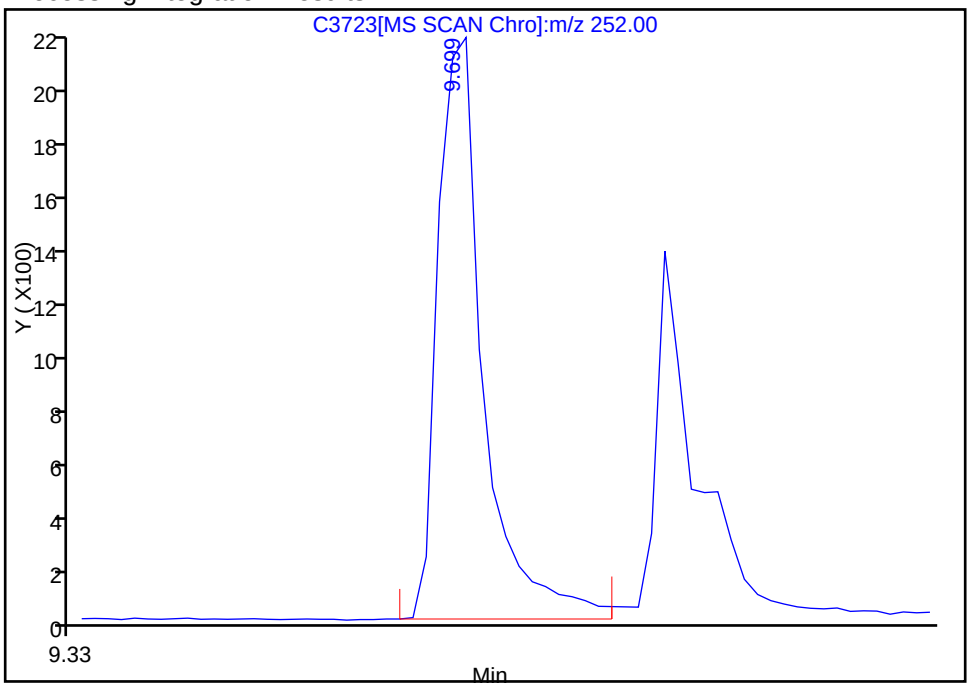
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

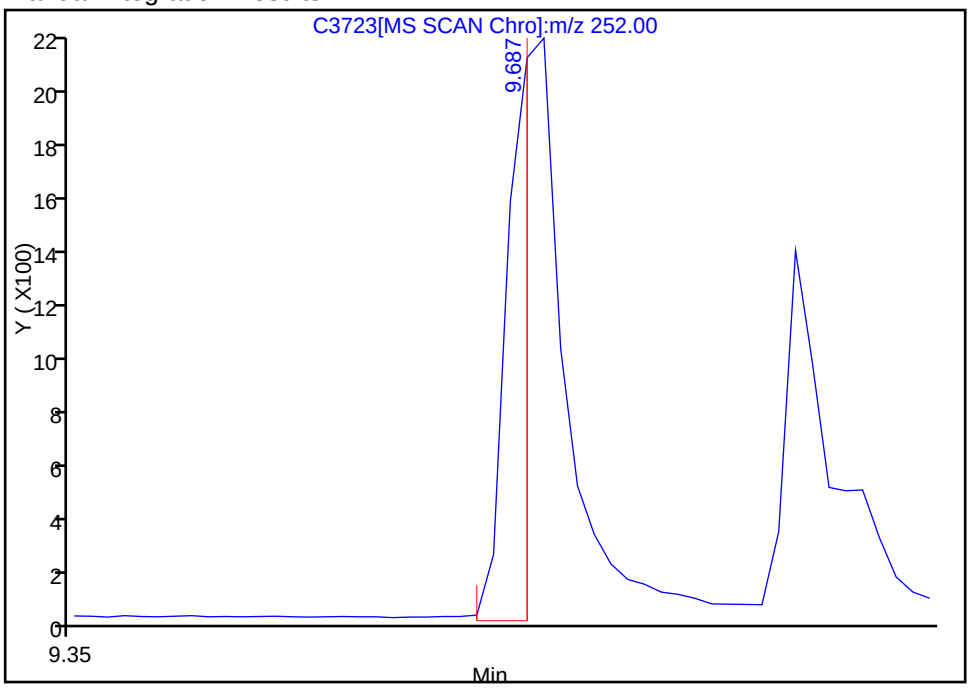
Processing Integration Results

RT: 9.70
Response: 6117
Amount: 1.170101



Manual Integration Results

RT: 9.69
Response: 2793
Amount: 0.993948



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

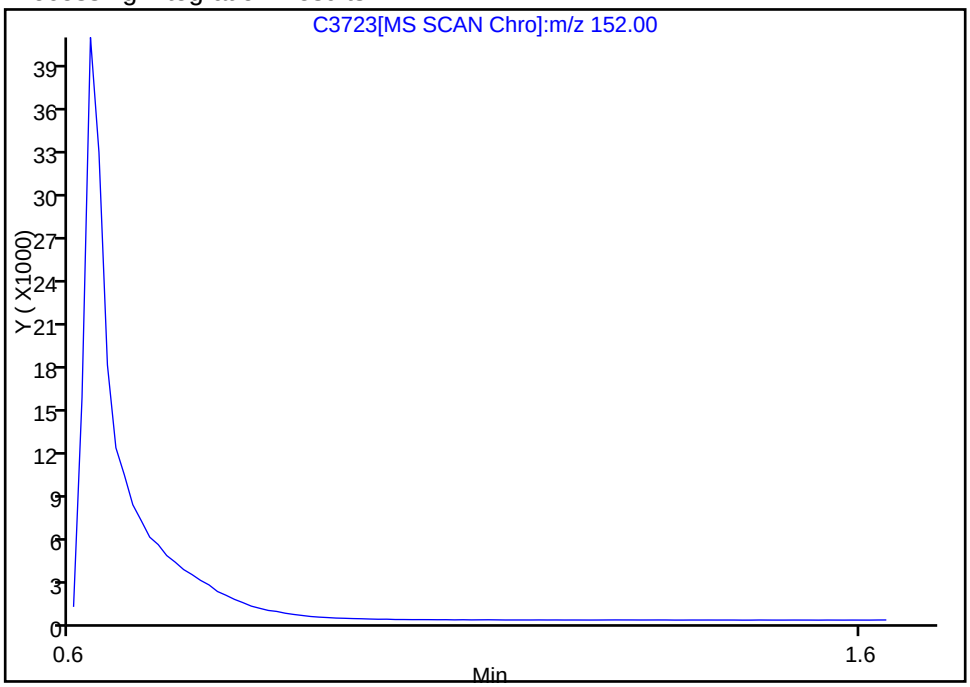
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

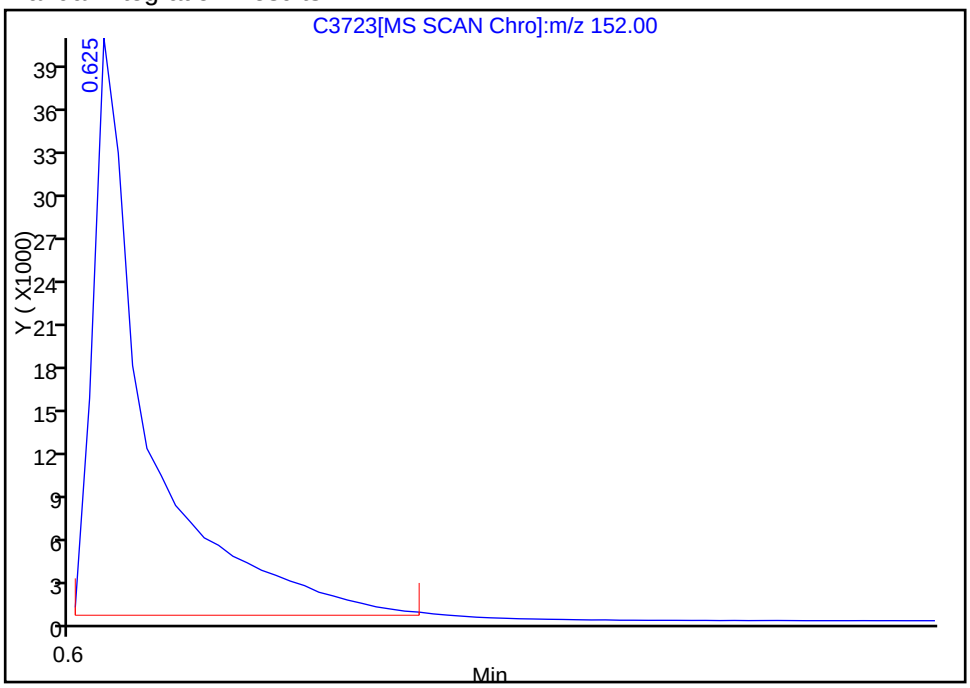
Processing Integration Results

Not Detected
Expected RT: 0.63



Manual Integration Results

RT: 0.62
Response: 114072
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

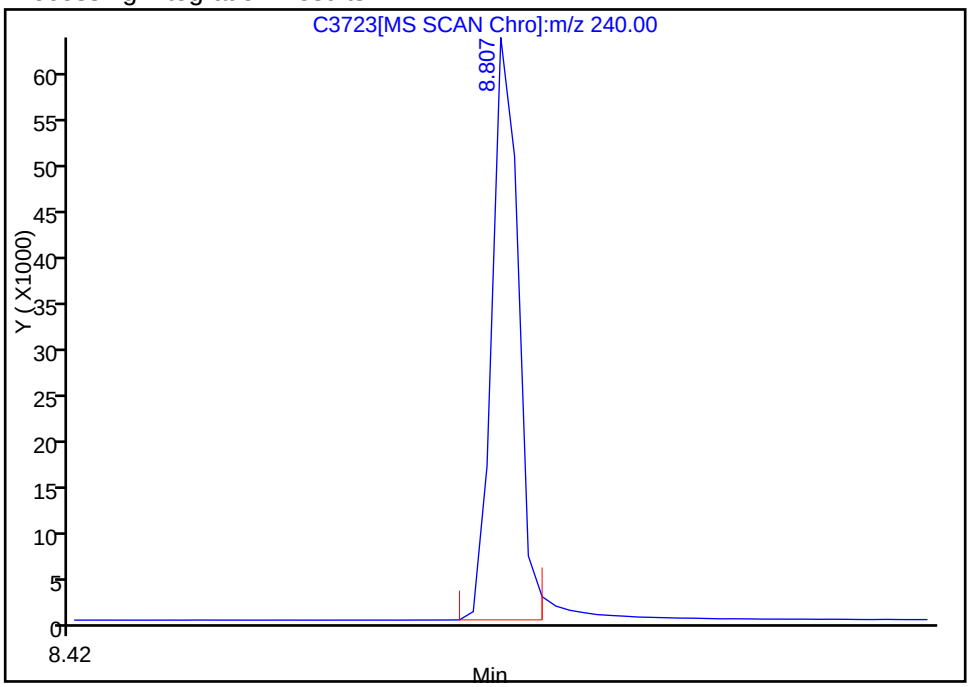
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	4
Operator ID:	wds	Injection Vol:	1.00 ul

* 103 Chrysene-d12, Signal: 1, m/z: 240.0 Type: quant, RT: 8.82

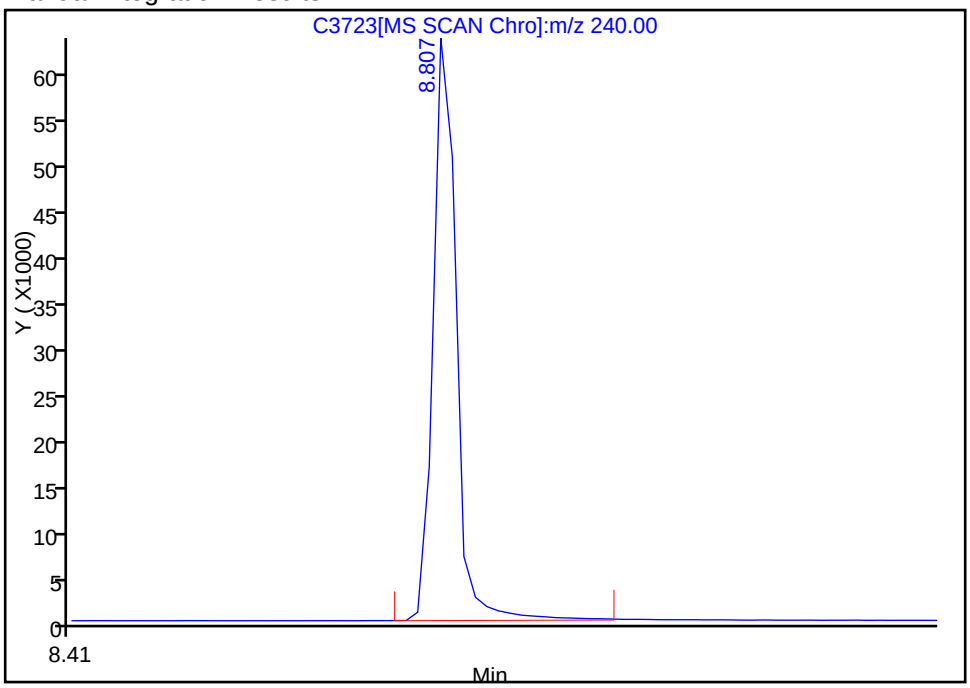
Processing Integration Results

RT: 8.81
Response: 104966
Amount: 40.000000



Manual Integration Results

RT: 8.81
Response: 109358
Amount: 40.000000



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:22:01 Chrom Revision: 1.2 29-Oct-2010 14:13:24

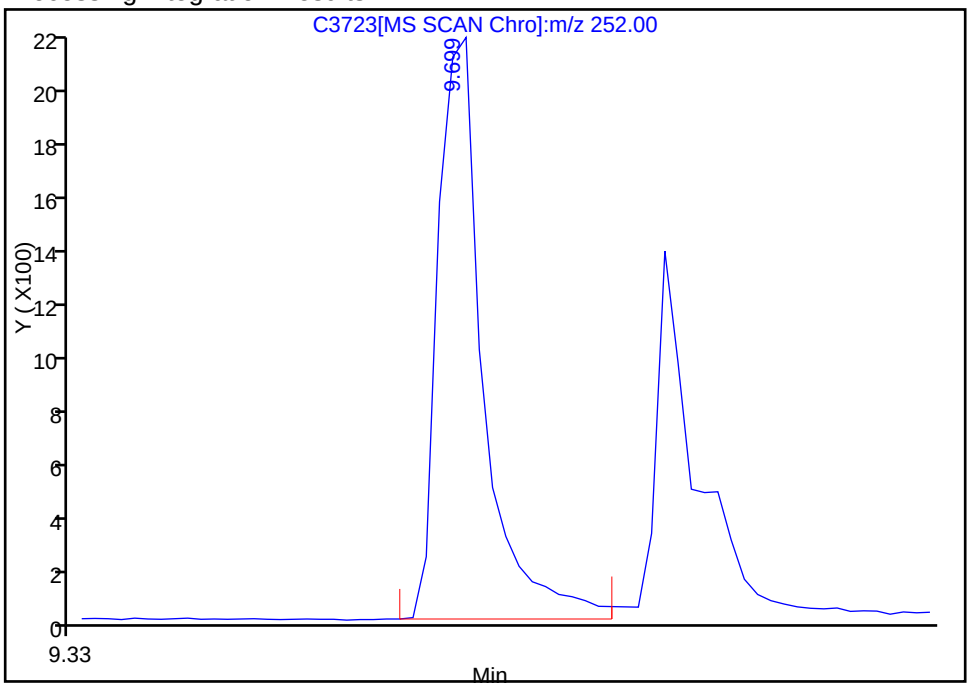
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3723.D		
Injection Date:	07-Mar-2011 12:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

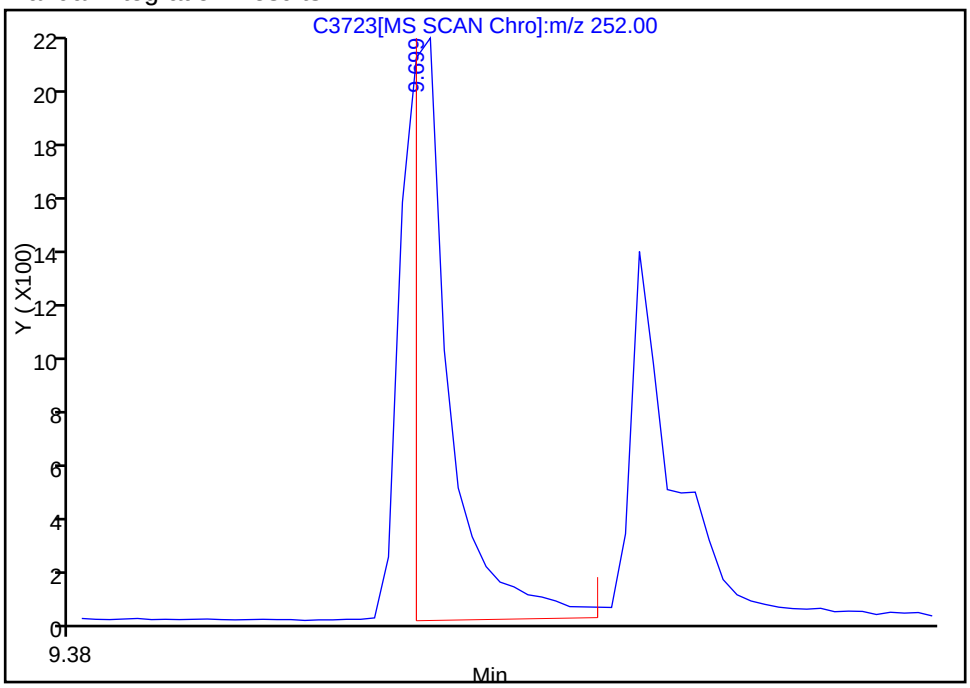
Processing Integration Results

RT: 9.70
Response: 6117
Amount: 0.986020



Manual Integration Results

RT: 9.70
Response: 4875
Amount: 1.041815



Reviewer: squiresb, 07-Mar-2011 14:19:02
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Lims ID:	ic 002	Client ID:	
Inject. Date:	07-Mar-2011 12:43:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	IC 002		
Misc. Info.:	510-0004486-005 =510-0004486-005		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	5
Lims Batch ID:	76981	Lims Sample ID:	5
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:36

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.634	0.630	0.004	0	113731	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.064	1.060	0.004	32	3827	1.57	70.0- 130.0	100.0	
128	1.064	1.060	0.004		2946		29.6- 89.6	77.0	
54	1.064	1.060	0.004		2735		25.7- 85.7	71.5	
* 57 Naphthalene-d8									
136	1.913	1.910	0.003	40	252293	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.935	1.931	0.004	2	14533	1.98	70.0- 130.0	100.0	
129	1.935	1.931	0.004		1559		0.0- 40.6	10.7	
127	1.924	1.931	-0.007		1795		0.0- 42.0	12.4	
62 2-Methylnaphthalene									
142	2.870	2.867	0.003	58	8605	1.89	70.0- 130.0	100.0	
141	2.870	2.867	0.003		7339		54.1- 114.1	85.3	
115	2.870	2.867	0.003		3151		6.6- 66.6	36.6	
$ 66 2-Fluorobiphenyl									
172	3.440	3.448	-0.008	44	11249	1.82			
71 Acenaphthylene									
152	3.913	3.921	-0.008	76	12231	2.11	70.0- 130.0	100.0	
151	3.913	3.921	-0.008		2290		0.0- 49.0	18.7	
* 73 Acenaphthene-d10									
164	4.117	4.125	-0.008	17	110042	40.0	70.0- 130.0	100.0	
162	4.117	4.125	-0.008		97458		54.2- 114.2	88.6	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.150	4.157	-0.007	55	6920	1.89	70.0- 130.0	100.0	
152	4.150	4.157	-0.007		3332		20.6- 80.6	48.2	
153	4.150	4.157	-0.007		7029		73.1- 133.1	101.6	
80 Fluorene									
166	4.730	4.738	-0.008	69	8091	2.17	70.0- 130.0	100.0	
165	4.730	4.738	-0.008		7368		60.9- 120.9	91.1	
* 90 Phenanthrene-d10									
188	5.746	5.747	-0.001	4	144147	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.771	5.772	-0.001	9	9103	1.94	70.0- 130.0	100.0	
179	5.771	5.772	-0.001		1536		0.0- 45.8	16.9	
92 Anthracene									M
178	5.808	5.821	-0.013	39	10077	2.06	70.0- 130.0	100.0	M
179	5.771	5.821	-0.050		1536		0.0- 45.2	15.2	
95 Fluoranthene									
202	7.072	7.086	-0.014	59	8359	2.02	70.0- 130.0	100.0	
101	7.072	7.086	-0.014		1297		0.0- 46.2	15.5	
203	7.072	7.086	-0.014		1358		0.0- 47.4	16.2	
97 Pyrene									
202	7.307	7.321	-0.014	60	8483	2.15	70.0- 130.0	100.0	
101	7.307	7.321	-0.014		1593		0.0- 48.5	18.8	
$ 98 Terphenyl-d14									
244	7.816	7.817	-0.001	44	4051	2.08	70.0- 130.0	100.0	
122	7.816	7.817	-0.001		872		0.0- 52.1	21.5	
101 Benzo[a]anthracene									M
228	8.795	8.796	-0.001	44	5791	1.84	70.0- 130.0	100.0	M
229	8.832	8.796	0.036		1667		0.0- 51.1	28.8	
226	8.832	8.796	0.036		2438		0.0- 59.9	42.1	
* 103 Chrysene-d12									
240	8.807	8.821	-0.014	12	81716	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.832	8.833	-0.001	29	8208	2.52	70.0- 130.0	100.0	
226	8.832	8.833	-0.001		2438		0.8- 60.8	29.7	
229	8.832	8.833	-0.001		1667		0.0- 49.6	20.3	
106 Benzo[b]fluoranthene									M
252	9.687	9.688	-0.001	30	4618	1.83	70.0- 130.0	100.0	M
253	9.687	9.688	-0.001		1991		13.4- 73.4	43.1	
107 Benzo[k]fluoranthene									M
252	9.700	9.701	-0.001	33	7526	1.97	70.0- 130.0	100.0	M
253	9.687	9.701	-0.014		1991		0.0- 59.1	26.5	
108 Benzo[a]pyrene									
252	9.885	9.887	-0.002	8	4779	2.03	70.0- 130.0	100.0	
253	9.885	9.887	-0.002		875		0.0- 51.3	18.3	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.935	9.936	-0.001	25	51566	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	10.592	10.593	-0.001	15	2519	1.66	70.0- 130.0	100.0	
138	10.580	10.593	-0.013		523		0.0- 53.2	20.8	
111 Dibenz(a,h)anthracene									
278	10.629	10.630	-0.001	7	1630	1.20	70.0- 130.0	100.0	
139	10.629	10.630	-0.001		543		0.0- 51.4	33.3	
24 Benzo[g,h,i]perylene									
276	10.716	10.730	-0.014	12	2903	1.75	70.0- 130.0	100.0	
138	10.716	10.730	-0.014		1012		6.3- 66.3	34.9	

QC Flag Legend

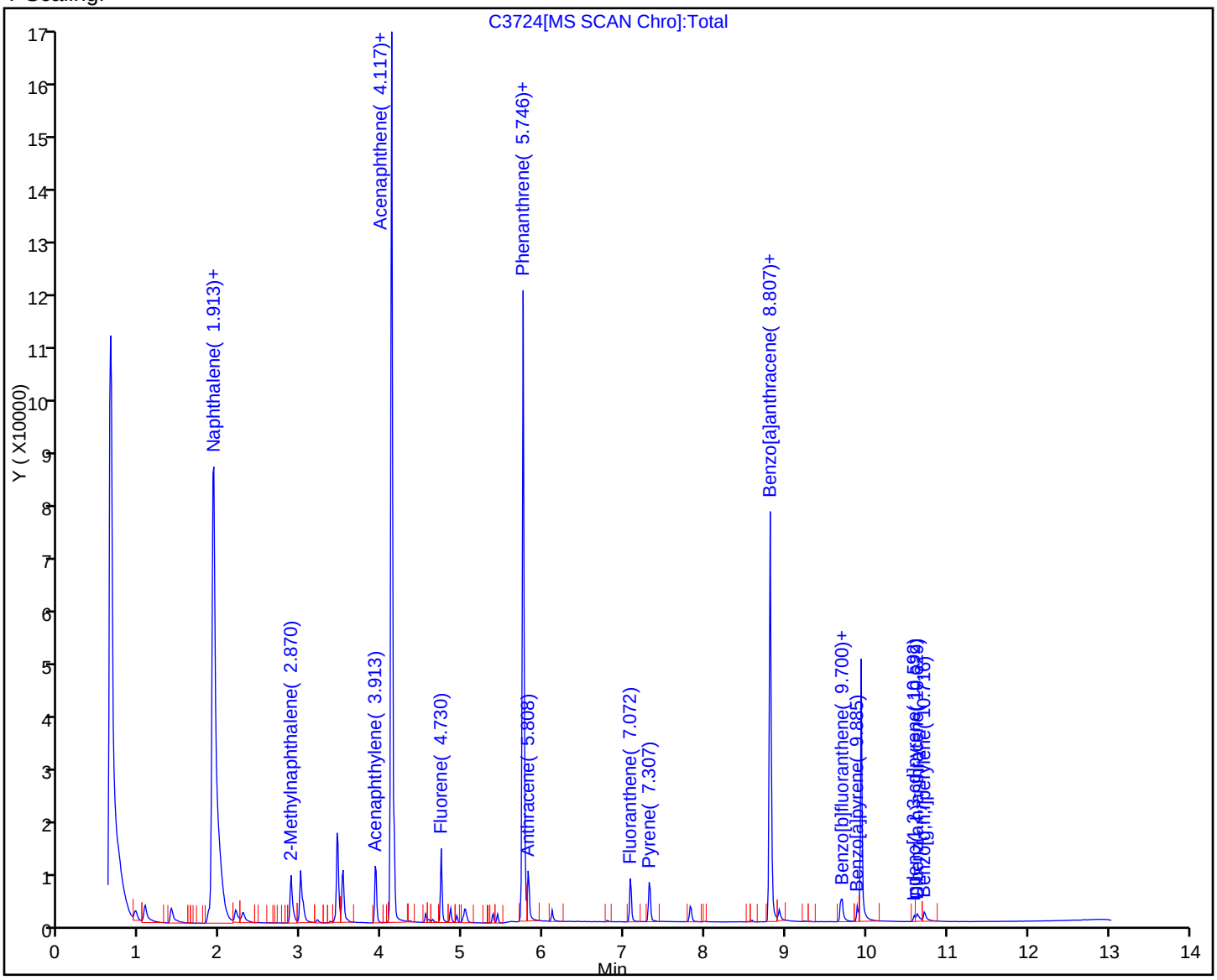
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D

Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

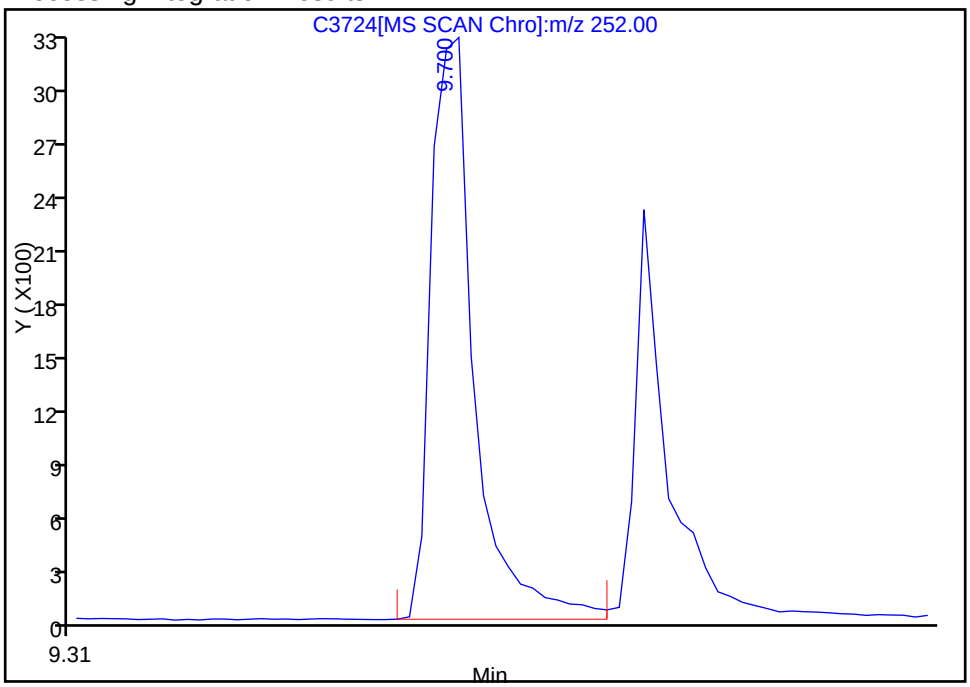
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

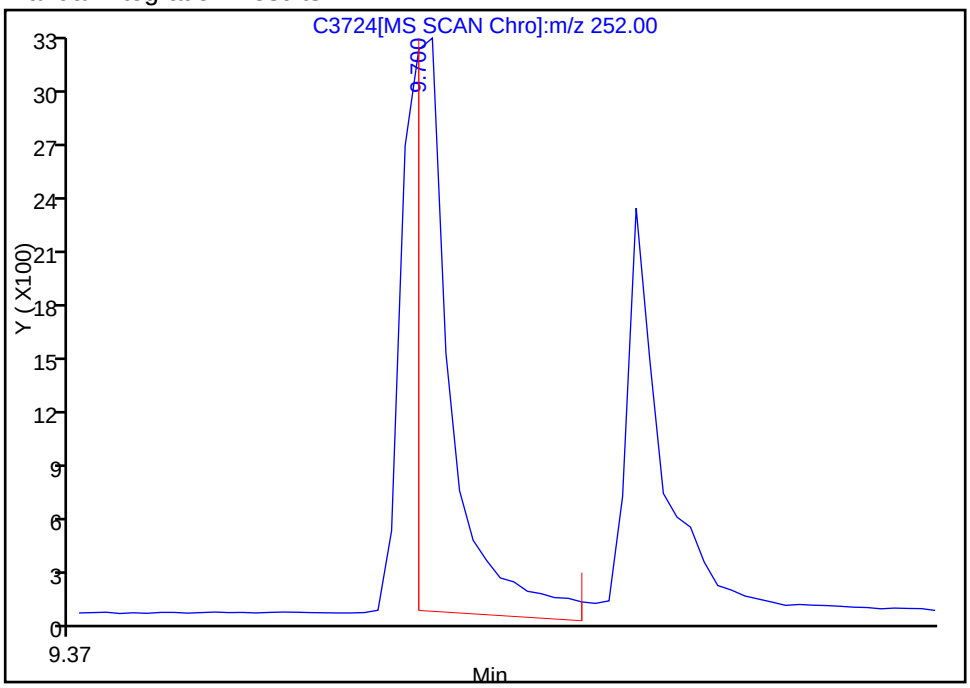
Processing Integration Results

RT: 9.70
Response: 9676
Amount: 1.967382



Manual Integration Results

RT: 9.70
Response: 7526
Amount: 1.970716



Reviewer: squiresb, 07-Mar-2011 14:19:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

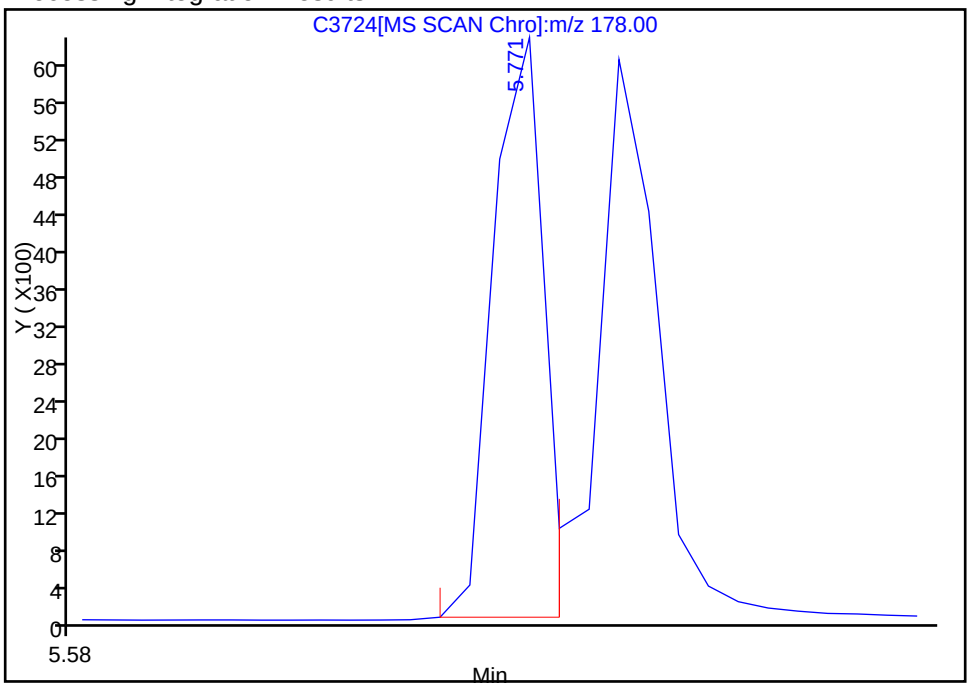
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 5.82

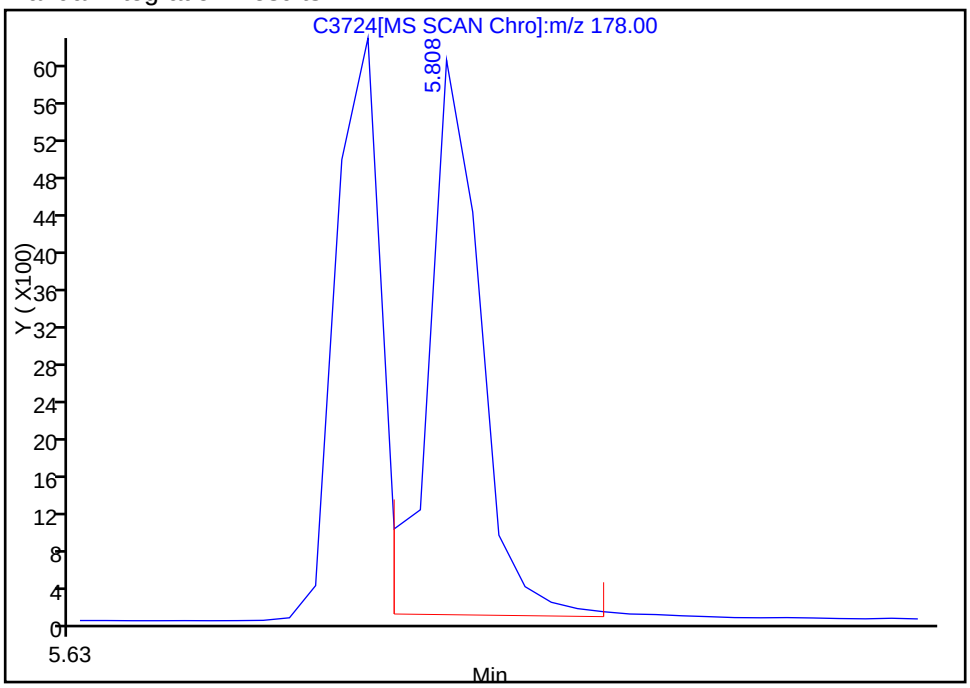
Processing Integration Results

RT: 5.77
Response: 9103
Amount: 1.865535



Manual Integration Results

RT: 5.81
Response: 10077
Amount: 2.060801



Reviewer: squiresb, 07-Mar-2011 14:19:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

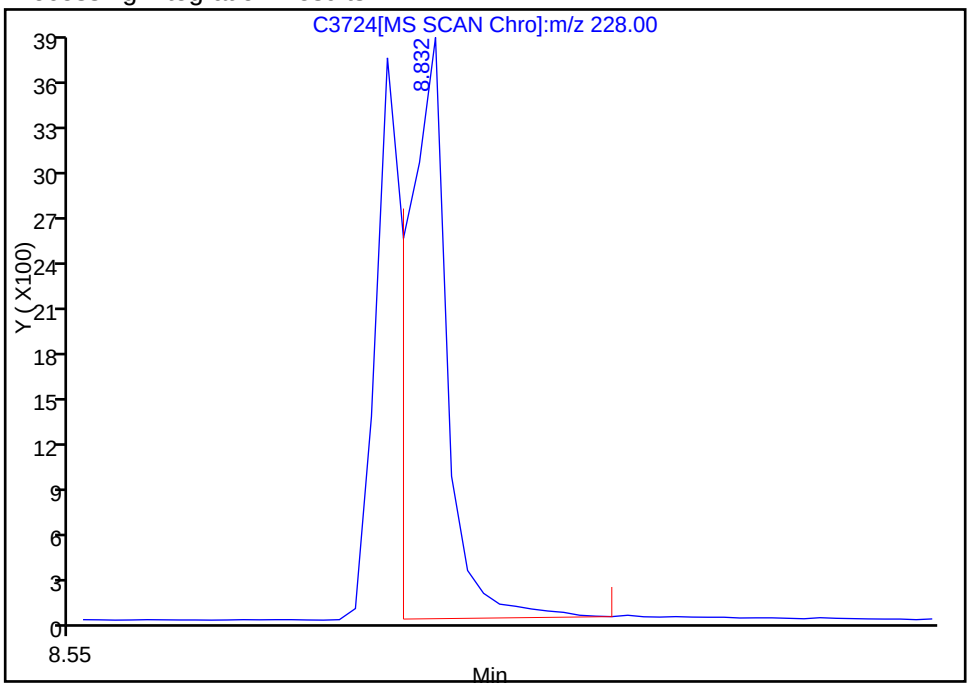
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.80

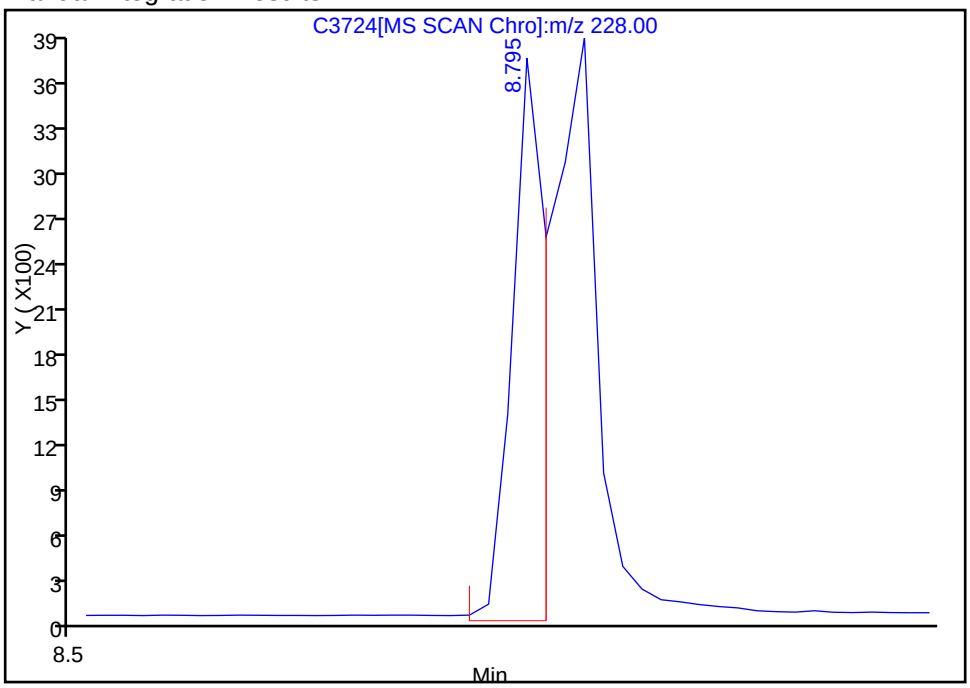
Processing Integration Results

RT: 8.83
Response: 8208
Amount: 2.443285



Manual Integration Results

RT: 8.79
Response: 5791
Amount: 1.835930



Reviewer: squiresb, 07-Mar-2011 14:19:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

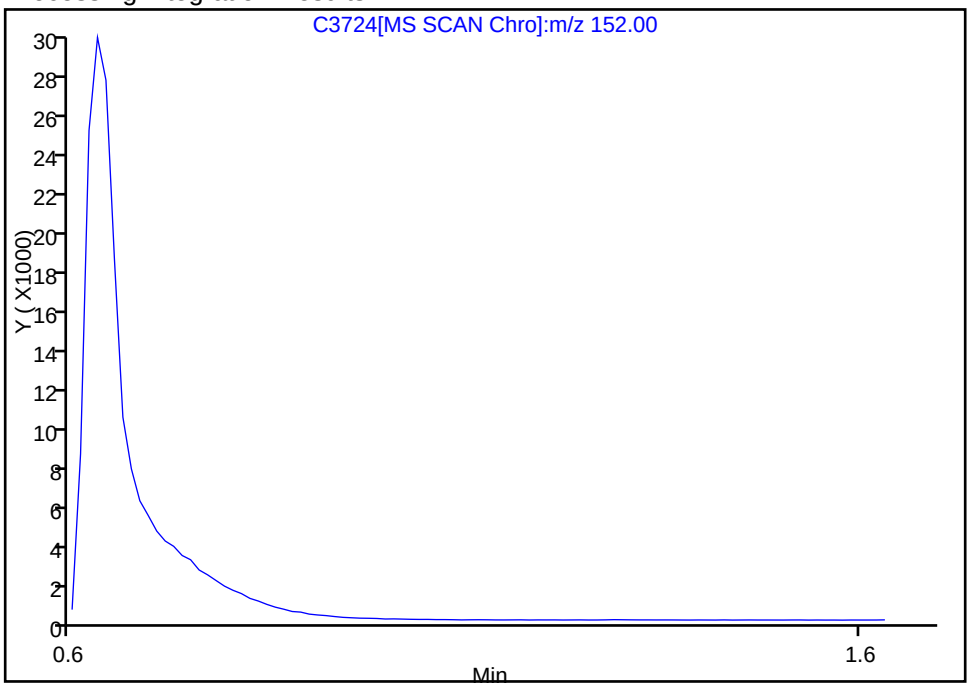
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	5
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

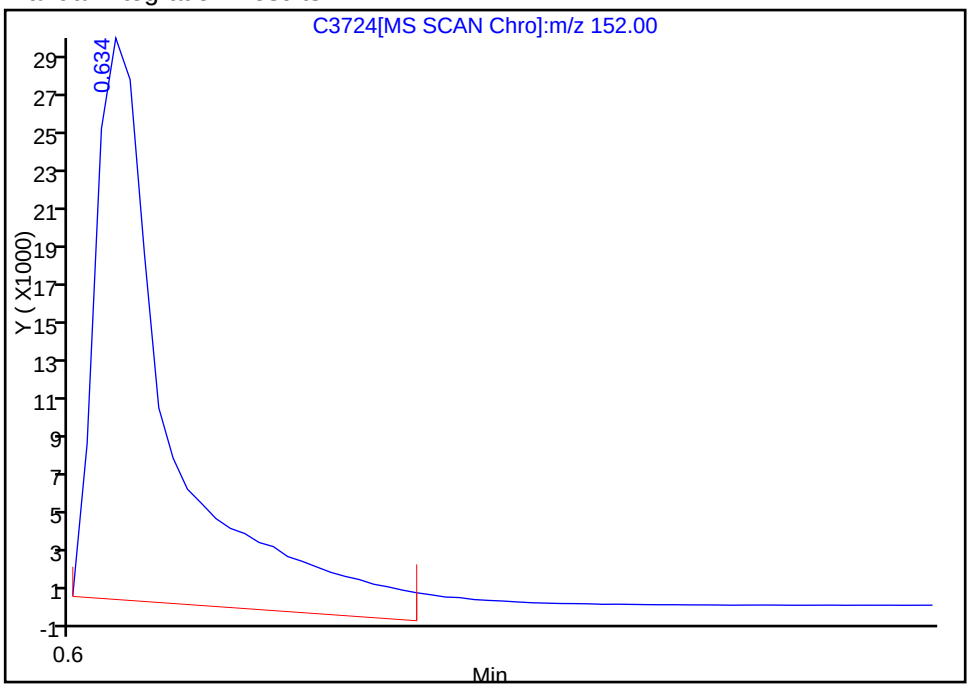
Not Detected
Expected RT: 0.63

Processing Integration Results



Manual Integration Results

RT: 0.63
Response: 113731
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:19:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:37 Chrom Revision: 1.2 29-Oct-2010 14:13:24

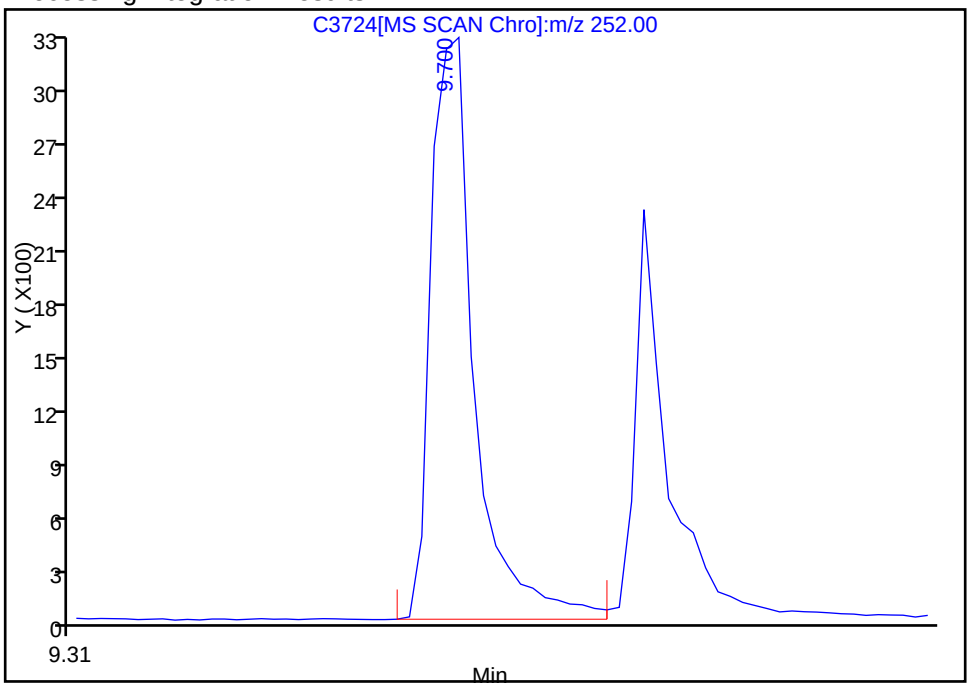
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3724.D		
Injection Date:	07-Mar-2011 12:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

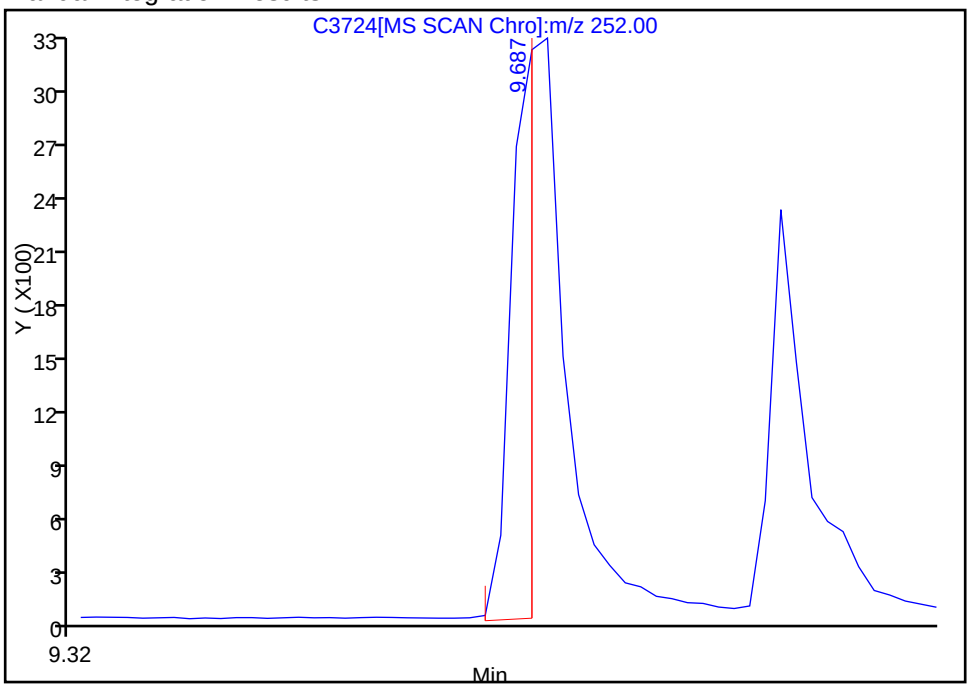
Processing Integration Results

RT: 9.70
Response: 9676
Amount: 1.943308



Manual Integration Results

RT: 9.69
Response: 4618
Amount: 1.827087



Reviewer: squiresb, 07-Mar-2011 14:19:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Lims ID:	ic 005	Client ID:	
Inject. Date:	07-Mar-2011 13:01:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	IC 005		
Misc. Info.:	510-0004486-006 =510-0004486-006		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	6
Lims Batch ID:	76981	Lims Sample ID:	6
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:39

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.634	0.630	0.004	0	136915	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.053	1.060	-0.007	33	19100	5.68	70.0- 130.0	100.0	
128	1.053	1.060	-0.007		11126		28.3- 88.3	58.3	
54	1.053	1.060	-0.007		10495		24.9- 84.9	54.9	
* 57 Naphthalene-d8									
136	1.903	1.910	-0.007	40	348592	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.935	1.931	0.004	23	51689	5.10	70.0- 130.0	100.0	
129	1.935	1.931	0.004		5572		0.0- 40.8	10.8	
127	1.924	1.931	-0.007		6156		0.0- 41.9	11.9	
62 2-Methylnaphthalene									
142	2.870	2.867	0.003	59	31827	5.07	70.0- 130.0	100.0	
141	2.870	2.867	0.003		26985		54.8- 114.8	84.8	
115	2.870	2.867	0.003		11713		6.8- 66.8	36.8	
$ 66 2-Fluorobiphenyl									
172	3.440	3.448	-0.008	44	40834	5.17			
71 Acenaphthylene									
152	3.913	3.921	-0.008	76	47672	5.68	70.0- 130.0	100.0	
151	3.913	3.921	-0.008		9114		0.0- 49.1	19.1	
* 73 Acenaphthene-d10									
164	4.118	4.125	-0.007	17	159130	40.0	70.0- 130.0	100.0	
162	4.118	4.125	-0.007		138091		56.8- 116.8	86.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.150	4.157	-0.007	56	24055	5.16	70.0- 130.0	100.0	
152	4.150	4.157	-0.007		11751		18.9- 78.9	48.9	
153	4.150	4.157	-0.007		24881		73.4- 133.4	103.4	
80 Fluorene									
166	4.731	4.738	-0.007	68	31488	5.84	70.0- 130.0	100.0	
165	4.731	4.738	-0.007		28544		60.7- 120.7	90.7	
* 90 Phenanthrene-d10									
188	5.746	5.747	-0.001	4	214390	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.771	5.772	-0.001	9	35680	5.12	70.0- 130.0	100.0	
179	5.771	5.772	-0.001		5564		0.0- 45.6	15.6	
92 Anthracene									
178	5.808	5.821	-0.013	39	38231	5.26	70.0- 130.0	100.0	
179	5.808	5.821	-0.013		5831		0.0- 45.3	15.3	
95 Fluoranthene									
202	7.073	7.086	-0.013	59	30829	5.00	70.0- 130.0	100.0	
101	7.073	7.086	-0.013		4899		0.0- 45.9	15.9	
203	7.073	7.086	-0.013		5331		0.0- 47.3	17.3	
97 Pyrene									
202	7.308	7.321	-0.013	60	31826	5.62	70.0- 130.0	100.0	
101	7.308	7.321	-0.013		5836		0.0- 48.3	18.3	
$ 98 Terphenyl-d14									
244	7.816	7.817	-0.001	44	15696	5.62	70.0- 130.0	100.0	
122	7.816	7.817	-0.001		3584		0.0- 52.8	22.8	
101 Benzo[a]anthracene									M
228	8.795	8.796	-0.001	58	24717	5.46	70.0- 130.0	100.0	M
229	8.833	8.796	0.037		4530		0.0- 48.3	18.3	
226	8.833	8.796	0.037		6583		0.0- 56.6	26.6	
* 103 Chrysene-d12									
240	8.808	8.821	-0.013	11	117340	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.833	8.833	0.000	41	22403	4.78	70.0- 130.0	100.0	
226	8.833	8.833	0.000		6583		0.0- 59.4	29.4	
229	8.833	8.833	0.000		4530		0.0- 50.2	20.2	
106 Benzo[b]fluoranthene									M
252	9.688	9.688	0.000	30	18699	5.15	70.0- 130.0	100.0	M
253	9.700	9.688	0.012		7423		9.7- 69.7	39.7	
107 Benzo[k]fluoranthene									M
252	9.688	9.701	-0.013	33	25119	4.90	70.0- 130.0	100.0	M
253	9.700	9.701	-0.001		7423		0.0- 59.6	29.6	
108 Benzo[a]pyrene									
252	9.886	9.887	-0.001	22	17210	5.46	70.0- 130.0	100.0	
253	9.886	9.887	-0.001		3680		0.0- 51.4	21.4	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.936	9.936	0.000	25	69158	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	10.593	10.593	0.000	15	11190	4.78	70.0- 130.0	100.0	
138	10.580	10.593	-0.013		2547		0.0- 52.8	22.8	
111 Dibenz(a,h)anthracene									M
278	10.630	10.630	0.000	8	9581	4.70	70.0- 130.0	100.0	M
139	10.630	10.630	0.000		2007		0.0- 50.9	20.9	
24 Benzo[g,h,i]perylene									
276	10.716	10.730	-0.014	12	11461	5.14	70.0- 130.0	100.0	
138	10.716	10.730	-0.014		4740		11.4- 71.4	41.4	

QC Flag Legend

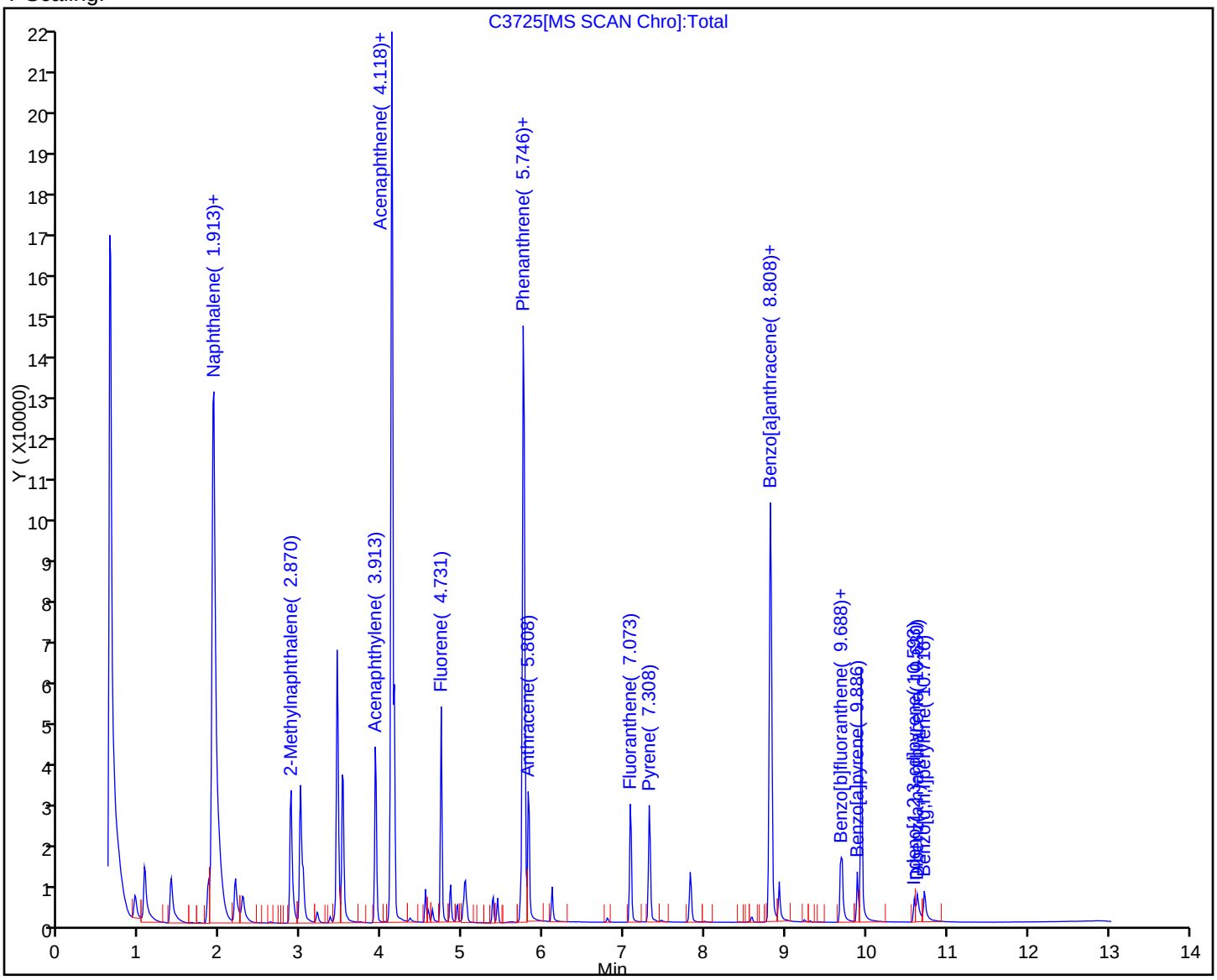
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D

Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

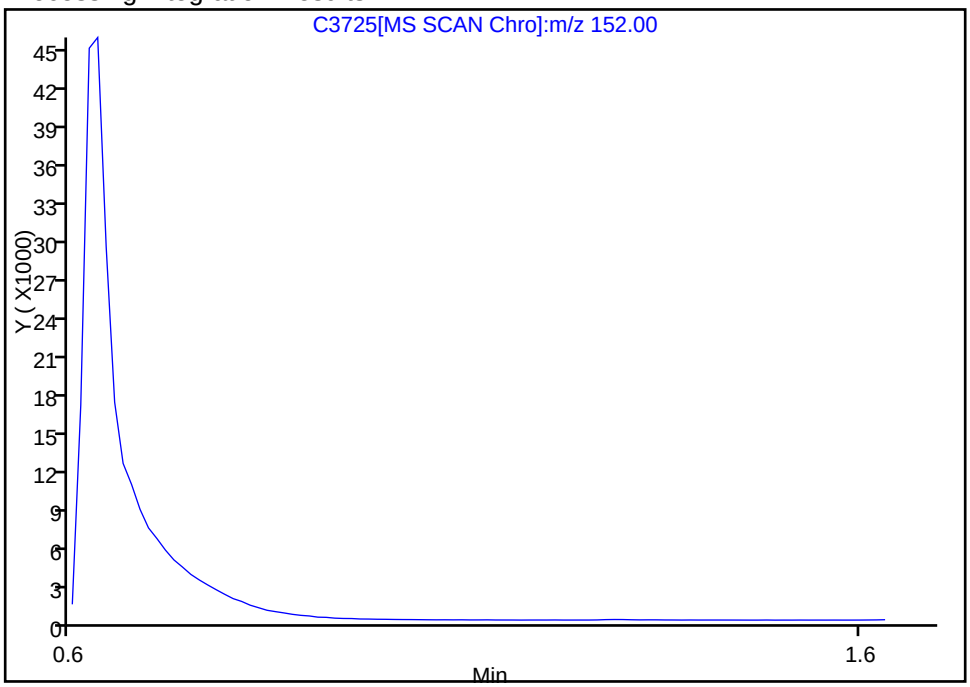
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

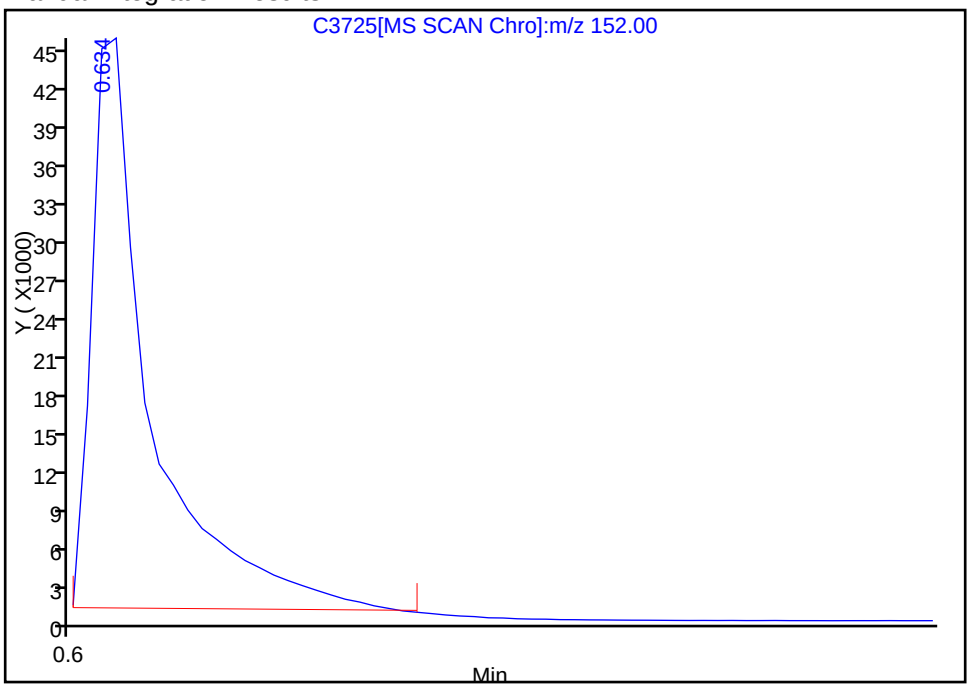
Processing Integration Results

Not Detected
Expected RT: 0.63



Manual Integration Results

RT: 0.63
Response: 136915
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:20:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

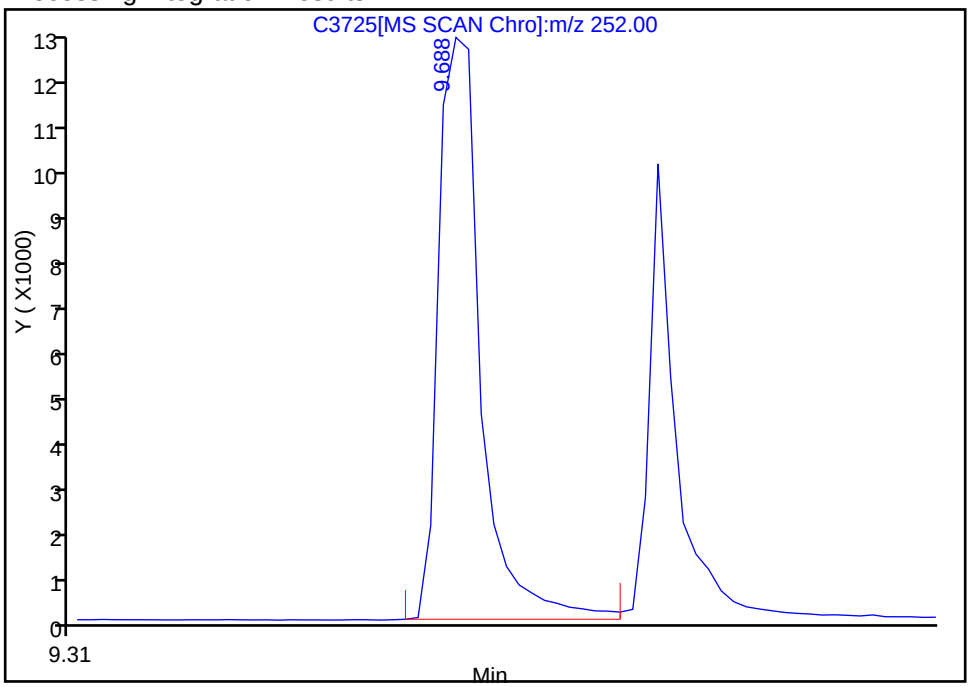
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

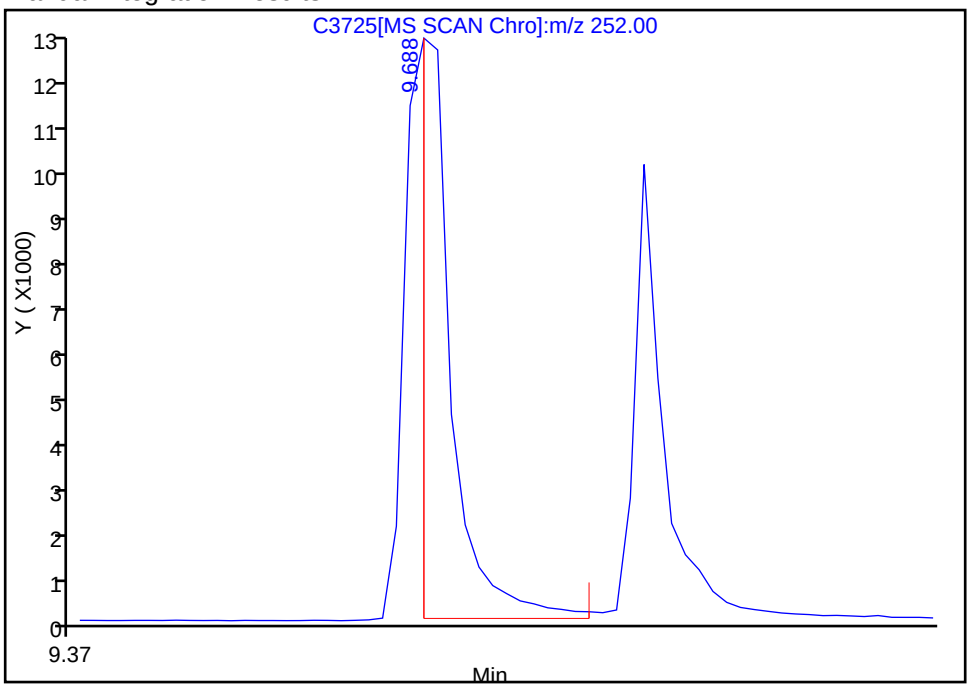
Processing Integration Results

RT: 9.69
Response: 34966
Amount: 4.927549



Manual Integration Results

RT: 9.69
Response: 25119
Amount: 4.904369



Reviewer: squiresb, 07-Mar-2011 14:20:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

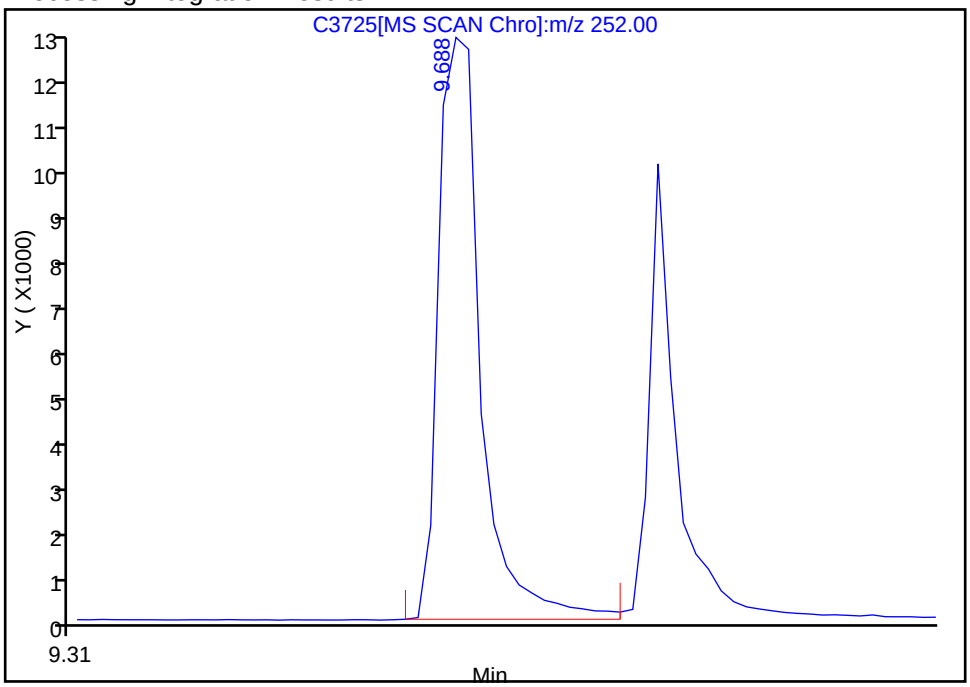
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

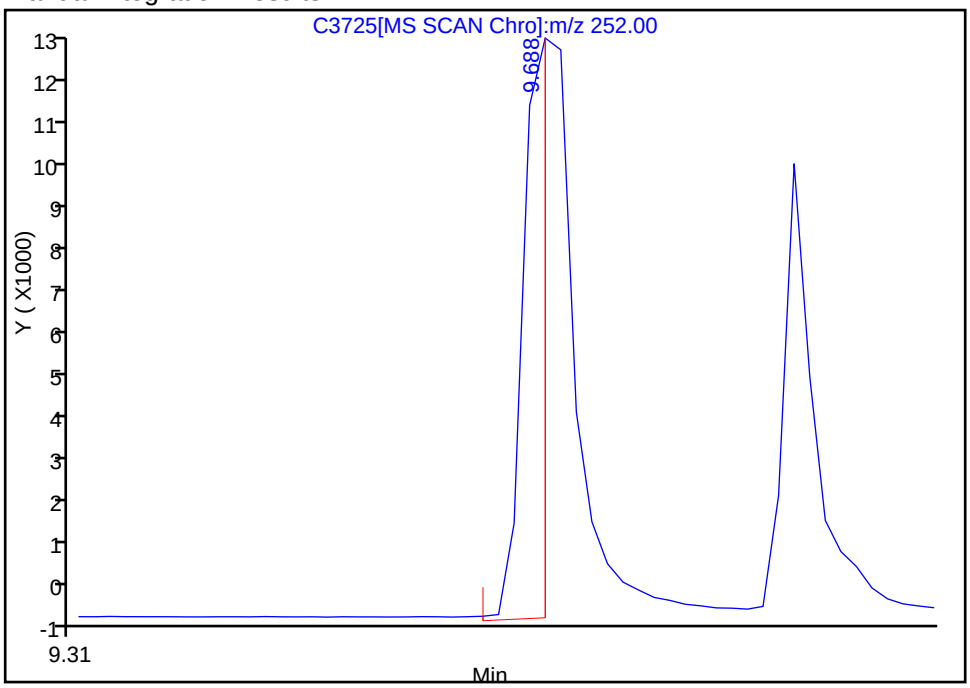
Processing Integration Results

RT: 9.69
Response: 34966
Amount: 5.122970



Manual Integration Results

RT: 9.69
Response: 18699
Amount: 5.149023



Reviewer: squiresb, 07-Mar-2011 14:20:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

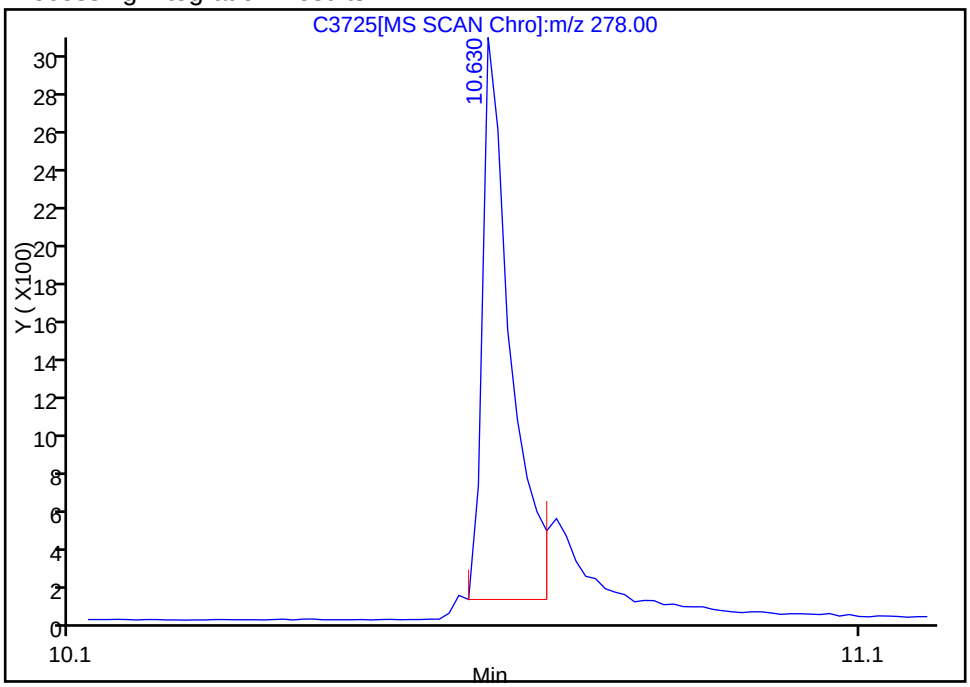
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

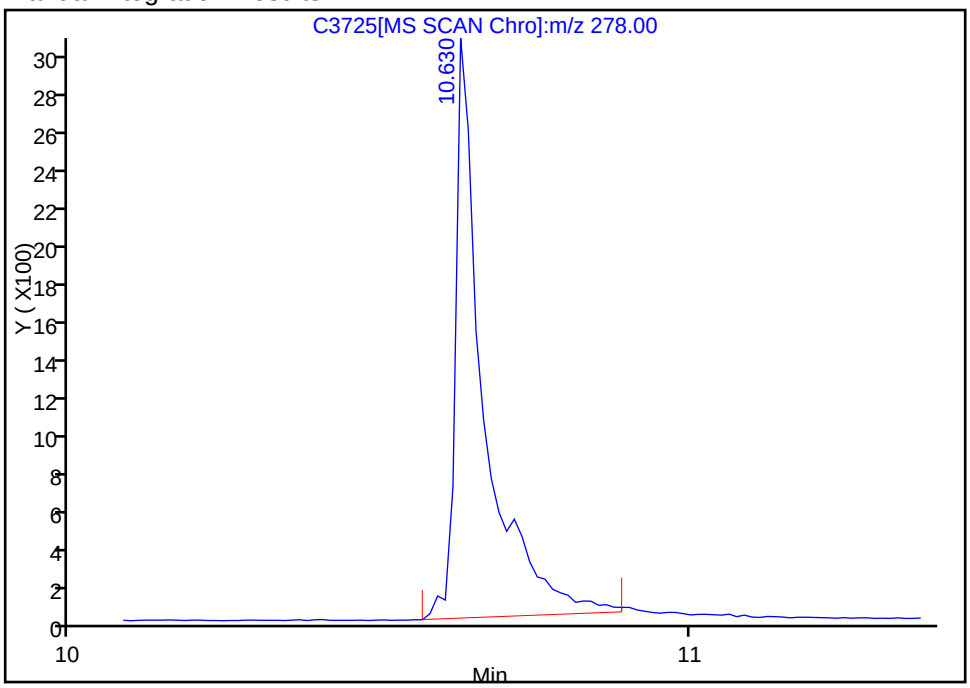
Processing Integration Results

RT: 10.63
Response: 7216
Amount: 4.740608



Manual Integration Results

RT: 10.63
Response: 9581
Amount: 4.701751



Reviewer: squiresb, 07-Mar-2011 14:20:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24

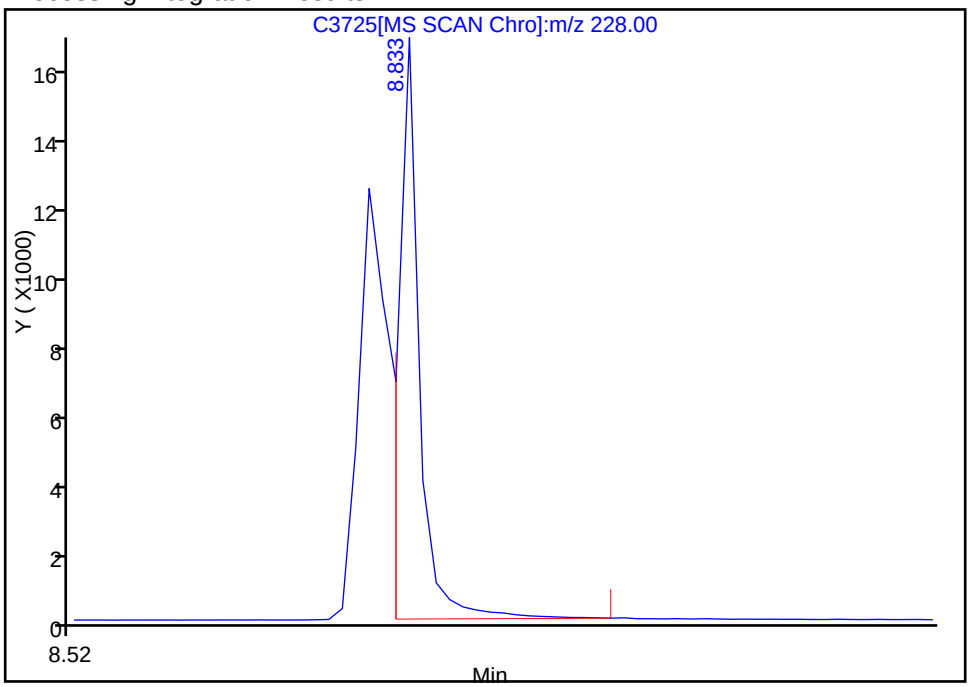
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3725.D		
Injection Date:	07-Mar-2011 13:01:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	6
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.80

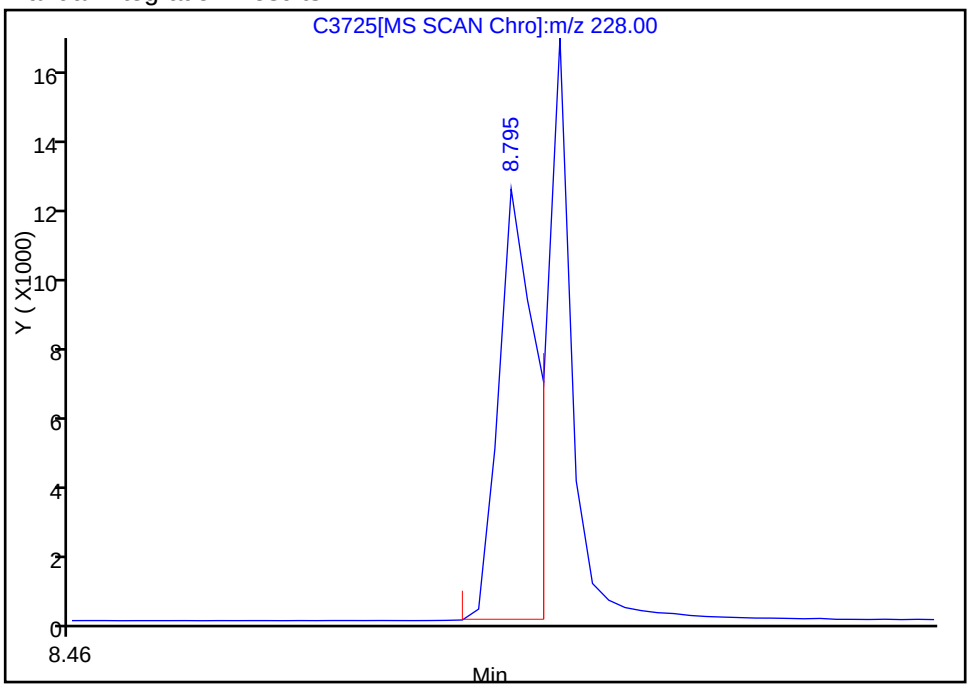
Processing Integration Results

RT: 8.83
Response: 22403
Amount: 4.895722



Manual Integration Results

RT: 8.80
Response: 24717
Amount: 5.457066



Reviewer: squiresb, 07-Mar-2011 14:20:50
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Lims ID:	ic 010	Client ID:	
Inject. Date:	07-Mar-2011 13:19:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	IC 010		
Misc. Info.:	510-0004486-007 =510-0004486-007		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	7
Lims Batch ID:	76981	Lims Sample ID:	7
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:42

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.623	0.630	-0.007	0	103210	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.053	1.060	-0.007	32	30689	11.2	70.0- 130.0	100.0	
128	1.053	1.060	-0.007		18284		29.6- 89.6	59.6	
54	1.053	1.060	-0.007		17100		25.7- 85.7	55.7	
* 57 Naphthalene-d8									
136	1.903	1.910	-0.007	40	283340	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.924	1.931	-0.007	37	85188	10.3	70.0- 130.0	100.0	
129	1.924	1.931	-0.007		9021		0.0- 40.6	10.6	
127	1.924	1.931	-0.007		10204		0.0- 42.0	12.0	
62 2-Methylnaphthalene									
142	2.871	2.867	0.004	60	54231	10.6	70.0- 130.0	100.0	
141	2.871	2.867	0.004		45583		54.1- 114.1	84.1	
115	2.860	2.867	-0.007		19827		6.6- 66.6	36.6	
$ 66 2-Fluorobiphenyl									
172	3.440	3.448	-0.008	44	67542	10.4			
71 Acenaphthylene									
152	3.914	3.921	-0.007	76	77561	10.6	70.0- 130.0	100.0	
151	3.914	3.921	-0.007		14755		0.0- 49.0	19.0	
* 73 Acenaphthene-d10									
164	4.118	4.125	-0.007	17	138953	40.0	70.0- 130.0	100.0	
162	4.118	4.125	-0.007		117064		54.2- 114.2	84.2	

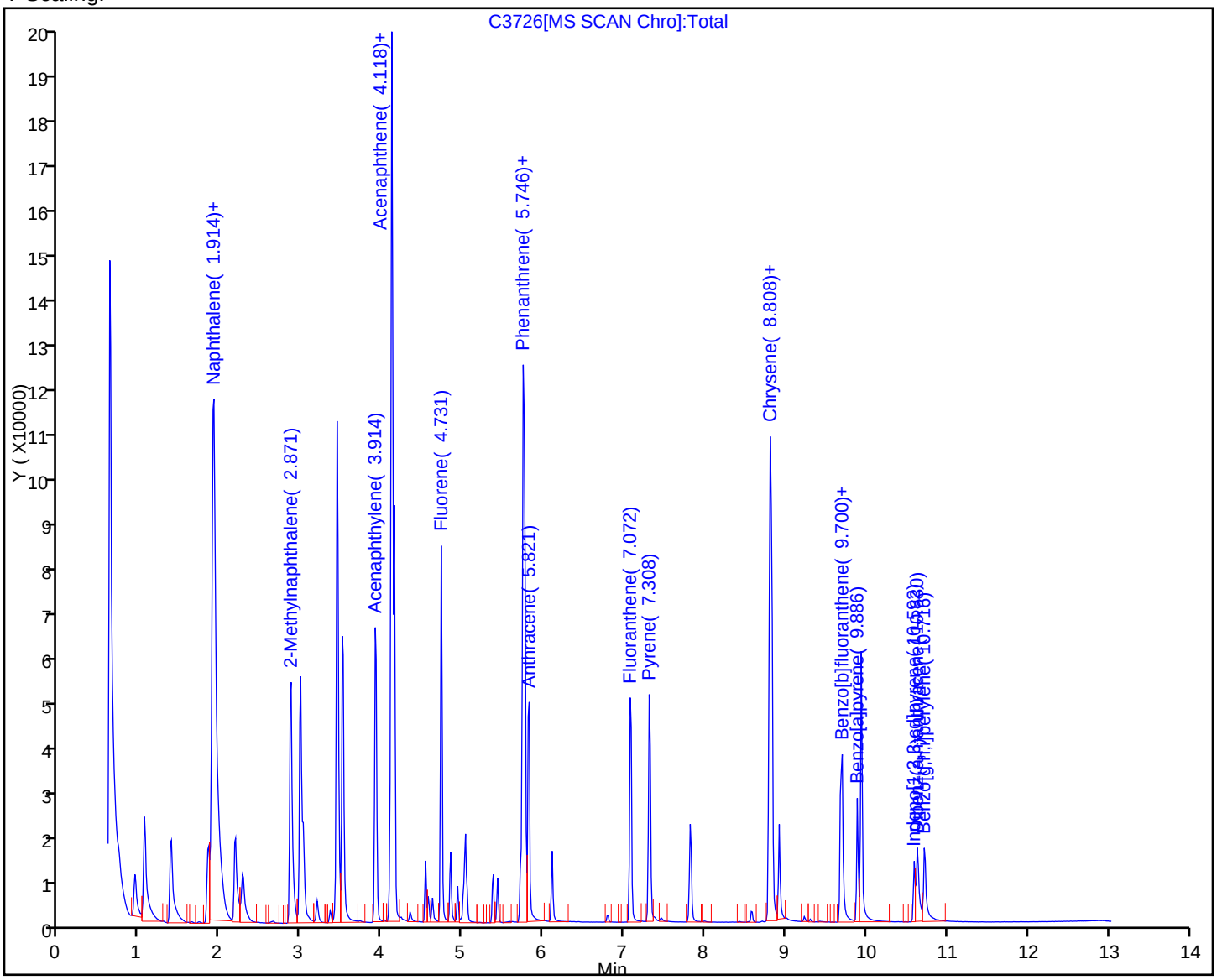
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.150	4.157	-0.007	55	40536	10.5	70.0- 130.0	100.0	
152	4.150	4.157	-0.007		20497		20.6- 80.6	50.6	
153	4.150	4.157	-0.007		41776		73.1- 133.1	103.1	
80 Fluorene									
166	4.731	4.738	-0.007	68	49524	10.5	70.0- 130.0	100.0	
165	4.731	4.738	-0.007		45032		60.9- 120.9	90.9	
* 90 Phenanthrene-d10									
188	5.746	5.747	-0.001	4	173083	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.771	5.772	-0.001	9	58330	10.4	70.0- 130.0	100.0	
179	5.771	5.772	-0.001		9196		0.0- 45.8	15.8	
92 Anthracene									
178	5.821	5.821	0.000	39	61176	10.4	70.0- 130.0	100.0	
179	5.821	5.821	0.000		9317		0.0- 45.2	15.2	
95 Fluoranthene									
202	7.072	7.086	-0.014	59	53883	10.8	70.0- 130.0	100.0	
101	7.072	7.086	-0.014		8721		0.0- 46.2	16.2	
203	7.072	7.086	-0.014		9372		0.0- 47.4	17.4	
97 Pyrene									
202	7.308	7.321	-0.013	60	56599	10.4	70.0- 130.0	100.0	
101	7.308	7.321	-0.013		10467		0.0- 48.5	18.5	
$ 98 Terphenyl-d14									
244	7.816	7.817	-0.001	44	27270	10.2	70.0- 130.0	100.0	
122	7.816	7.817	-0.001		6031		0.0- 52.1	22.1	
101 Benzo[a]anthracene									
228	8.795	8.796	-0.001	59	45220	10.4	70.0- 130.0	100.0	
229	8.795	8.796	-0.001		9549		0.0- 51.1	21.1	
226	8.795	8.796	-0.001		13510		0.0- 59.9	29.9	
* 103 Chrysene-d12									
240	8.820	8.821	-0.001	14	112410	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.832	8.833	-0.001	54	42279	9.42	70.0- 130.0	100.0	
226	8.832	8.833	-0.001		13004		0.8- 60.8	30.8	
229	8.832	8.833	-0.001		8306		0.0- 49.6	19.6	
106 Benzo[b]fluoranthene									M
252	9.688	9.688	0.000	30	36849	10.3	70.0- 130.0	100.0	M
253	9.700	9.688	0.012		16004		13.4- 73.4	43.4	
107 Benzo[k]fluoranthene									M
252	9.700	9.701	-0.001	33	54934	11.1	70.0- 130.0	100.0	M
253	9.700	9.701	-0.001		16004		0.0- 59.1	29.1	
108 Benzo[a]pyrene									
252	9.886	9.887	-0.001	22	35520	11.7	70.0- 130.0	100.0	
253	9.886	9.887	-0.001		7571		0.0- 51.3	21.3	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.936	9.936	0.000	25	66866	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.592	10.593	-0.001	16	23814	10.2	70.0- 130.0	100.0	M
138	10.580	10.593	-0.013		5531		0.0- 53.2	23.2	
111 Dibenz(a,h)anthracene									M
278	10.630	10.630	0.000	7	21417	10.6	70.0- 130.0	100.0	M
139	10.630	10.630	0.000		4590		0.0- 51.4	21.4	
24 Benzo[g,h,i]perylene									
276	10.729	10.730	-0.001	6	25154	11.7	70.0- 130.0	100.0	
138	10.716	10.730	-0.014		9137		6.3- 66.3	36.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D
Injection Date: 07-Mar-2011 13:19:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 76981 Lims Sample ID: 7
Operator ID: wds Injection Vol: 1.00 ul
Y Scaling:



Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

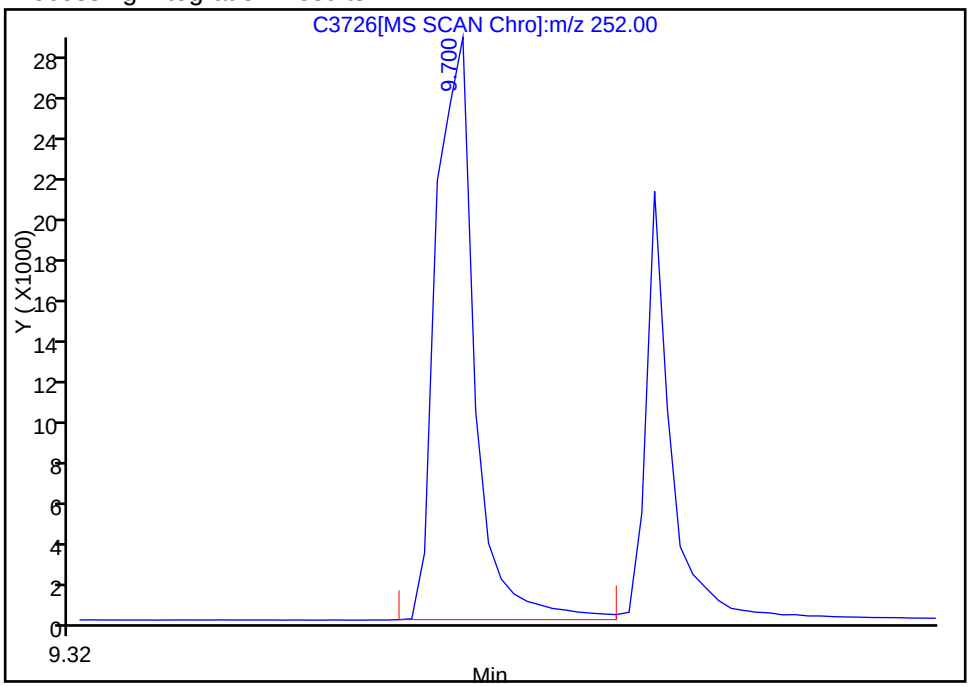
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Injection Date:	07-Mar-2011 13:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

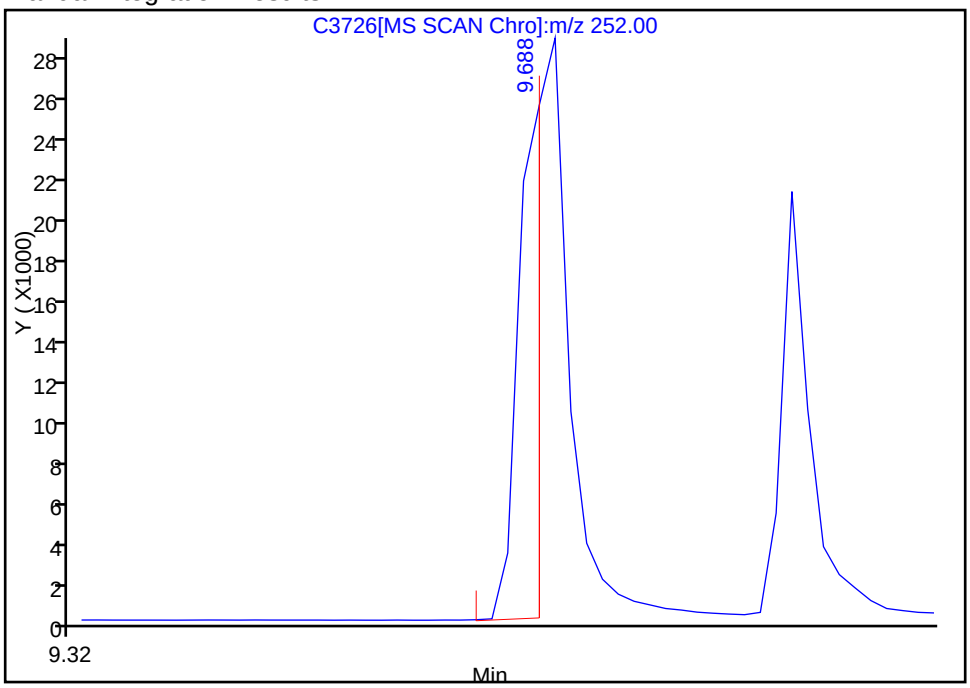
Processing Integration Results

RT: 9.70
Response: 73486
Amount: 11.012000



Manual Integration Results

RT: 9.69
Response: 36849
Amount: 10.305860



Reviewer: squiresb, 07-Mar-2011 14:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

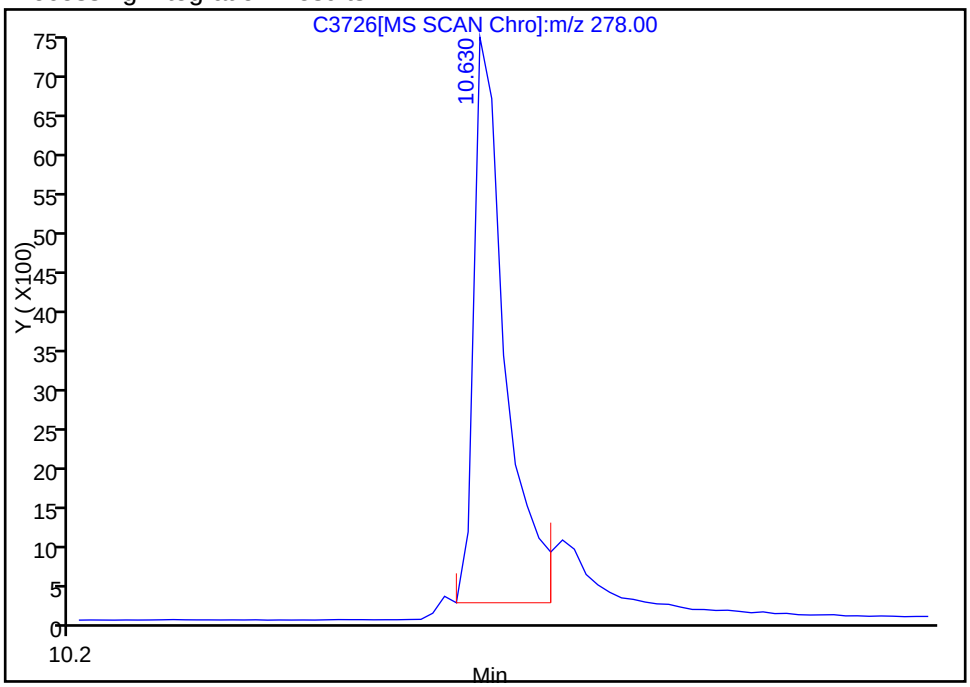
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Injection Date:	07-Mar-2011 13:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

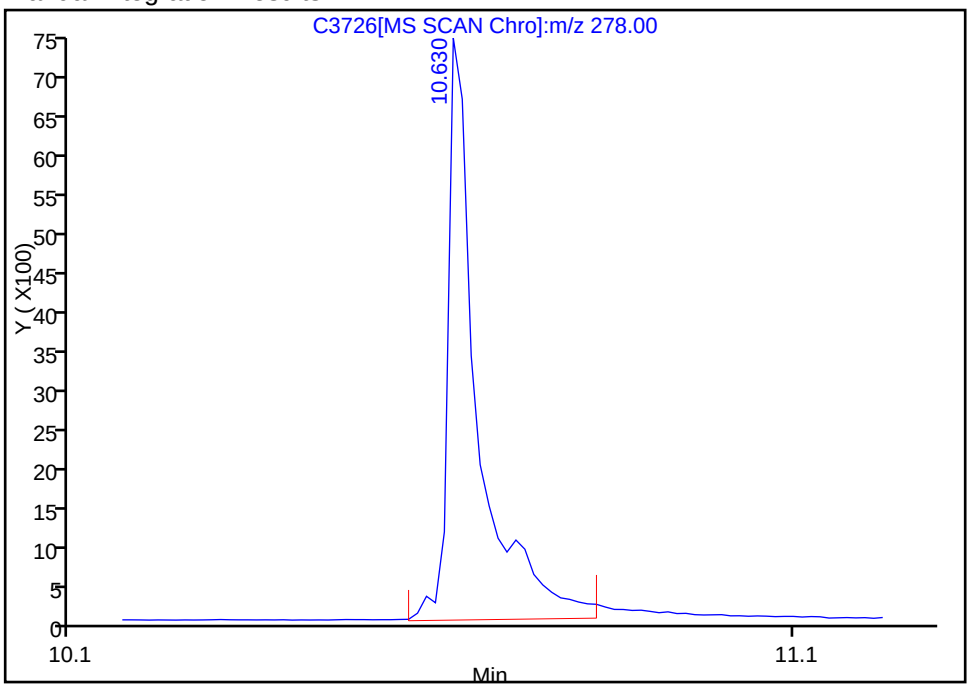
Processing Integration Results

RT: 10.63
Response: 16439
Amount: 9.902653



Manual Integration Results

RT: 10.63
Response: 21417
Amount: 10.646902



Reviewer: squiresb, 07-Mar-2011 14:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

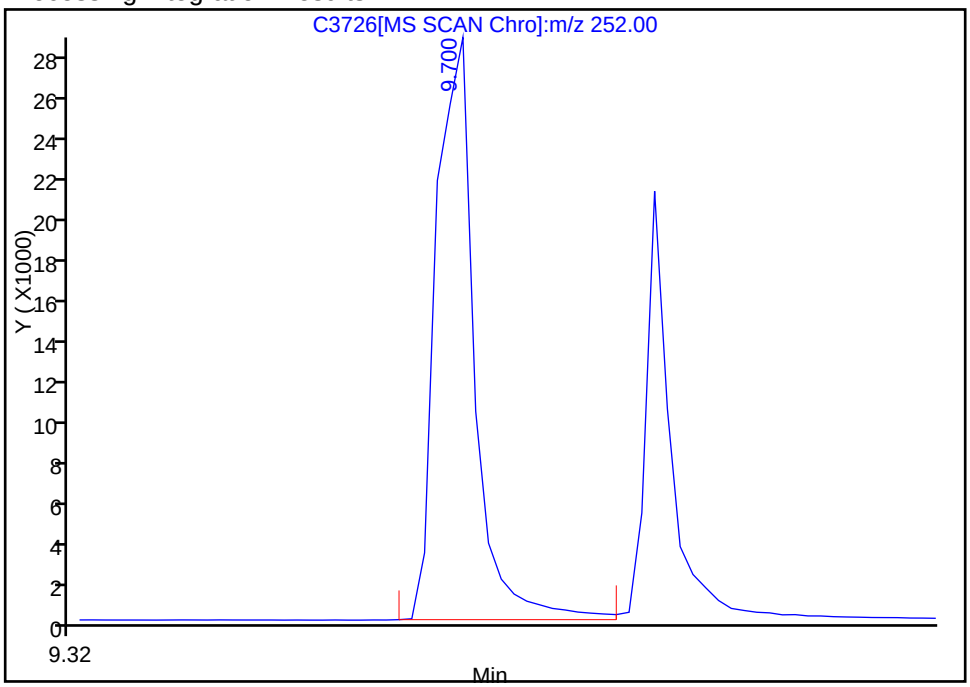
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Injection Date:	07-Mar-2011 13:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

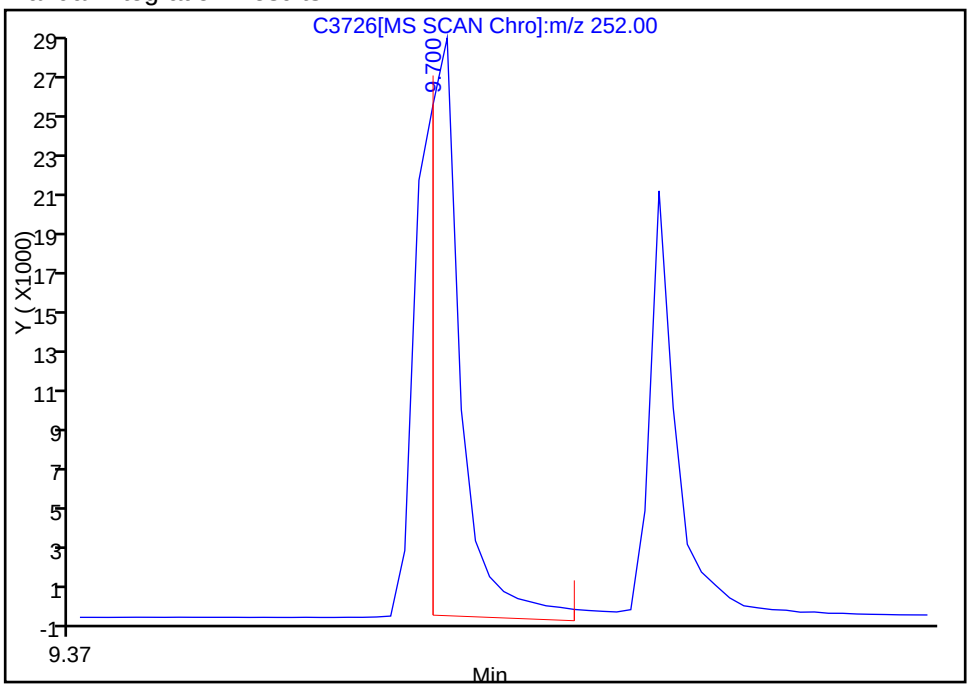
Processing Integration Results

RT: 9.70
Response: 73486
Amount: 10.739285



Manual Integration Results

RT: 9.70
Response: 54934
Amount: 11.093259



Reviewer: squiresb, 07-Mar-2011 14:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

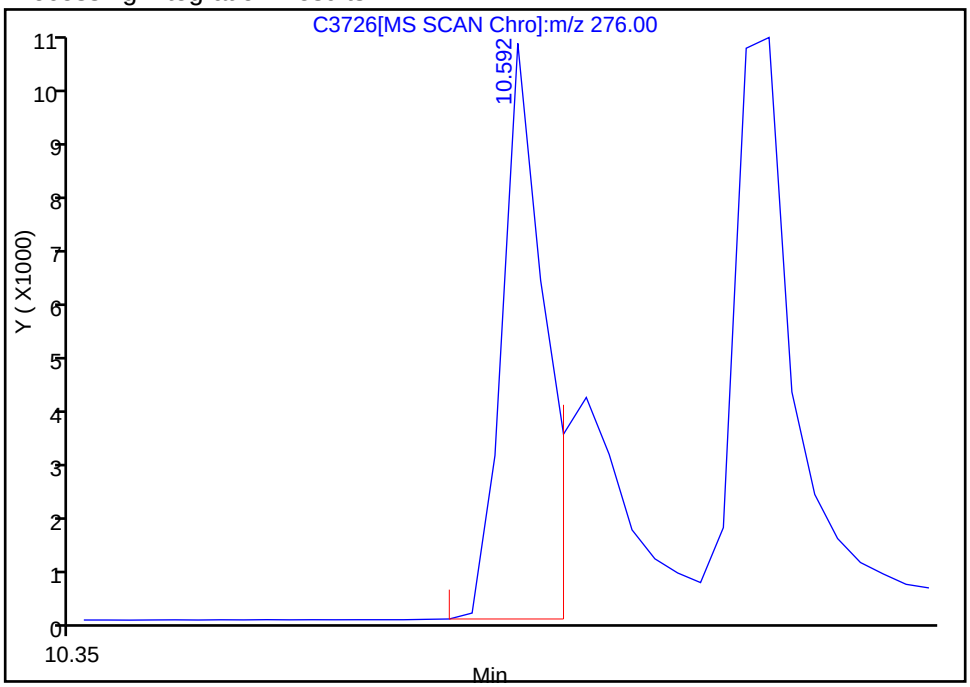
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Injection Date:	07-Mar-2011 13:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.59

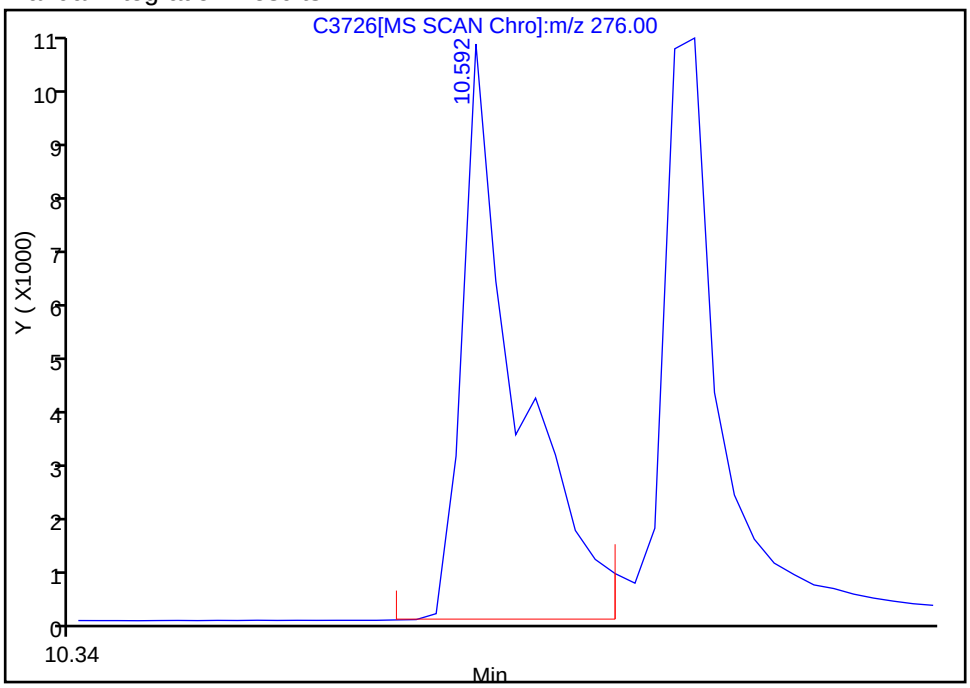
Processing Integration Results

RT: 10.59
Response: 16380
Amount: 8.698143



Manual Integration Results

RT: 10.59
Response: 23814
Amount: 10.158449



Reviewer: squiresb, 07-Mar-2011 14:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:42 Chrom Revision: 1.2 29-Oct-2010 14:13:24

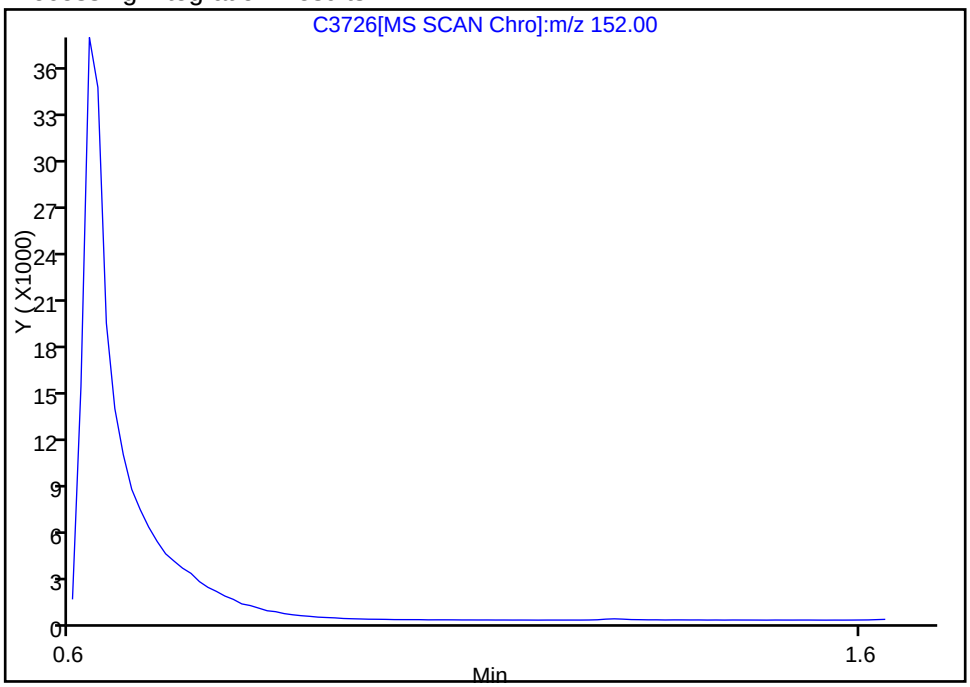
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3726.D		
Injection Date:	07-Mar-2011 13:19:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	7
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

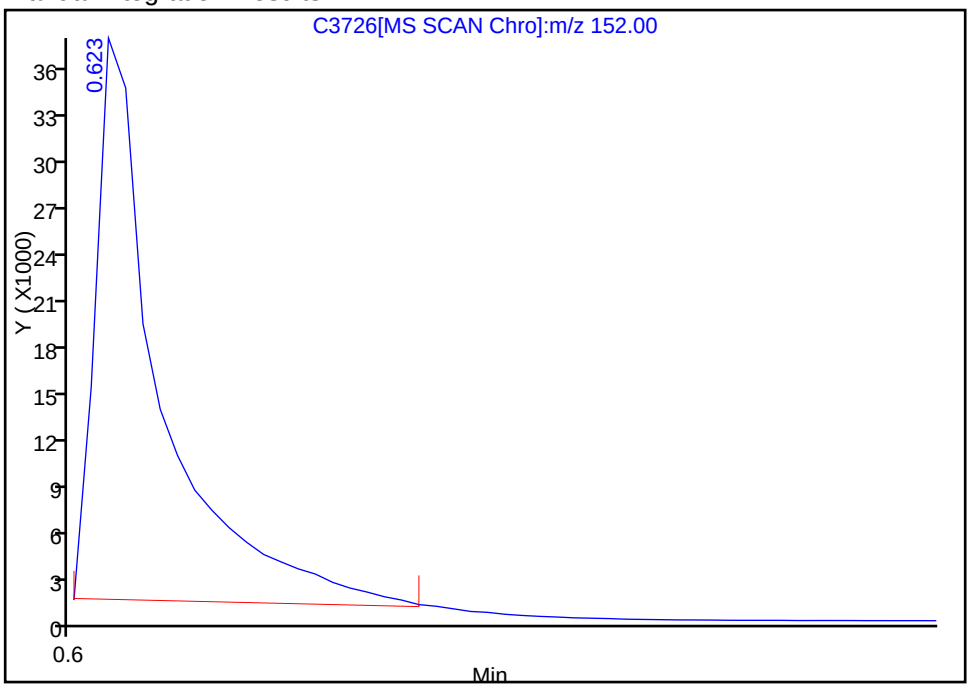
Processing Integration Results

Not Detected
Expected RT: 0.63



Manual Integration Results

RT: 0.62
Response: 103210
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:21:42
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D		
Lims ID:	ic 020	Client ID:	
Inject. Date:	07-Mar-2011 13:38:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	IC 020		
Misc. Info.:	510-0004486-008 =510-0004486-008		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	8
Lims Batch ID:	76981	Lims Sample ID:	8
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:46

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.630	0.630	0.000	0	104067	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.060	1.060	0.000	31	53001	22.0	70.0- 130.0	100.0	
128	1.060	1.060	0.000		31988		29.6- 89.6	60.4	
54	1.060	1.060	0.000		29680		25.7- 85.7	56.0	
* 57 Naphthalene-d8									
136	1.910	1.910	0.000	40	250018	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.931	1.931	0.000	68	146908	20.2	70.0- 130.0	100.0	
129	1.931	1.931	0.000		15843		0.0- 40.6	10.8	
127	1.931	1.931	0.000		18140		0.0- 42.0	12.3	
62 2-Methylnaphthalene									
142	2.867	2.867	0.000	59	91185	20.3	70.0- 130.0	100.0	
141	2.867	2.867	0.000		76795		54.1- 114.1	84.2	
115	2.867	2.867	0.000		33178		6.6- 66.6	36.4	
$ 66 2-Fluorobiphenyl									
172	3.448	3.448	0.000	44	106045	20.5			
71 Acenaphthylene									
152	3.921	3.921	0.000	76	119220	19.2	70.0- 130.0	100.0	
151	3.921	3.921	0.000		22977		0.0- 49.0	19.3	
* 73 Acenaphthene-d10									
164	4.125	4.125	0.000	15	117707	40.0	70.0- 130.0	100.0	
162	4.125	4.125	0.000		97345		54.2- 114.2	82.7	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.157	4.157	0.000	57	62968	20.4	70.0- 130.0	100.0	
152	4.157	4.157	0.000		32061		20.6- 80.6	50.9	
153	4.157	4.157	0.000		66294		73.1- 133.1	105.3	
80 Fluorene									
166	4.738	4.738	0.000	69	79792	20.0	70.0- 130.0	100.0	
165	4.738	4.738	0.000		72824		60.9- 120.9	91.3	
* 90 Phenanthrene-d10									
188	5.747	5.747	0.000	4	143066	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.772	5.772	0.000	9	91183	19.6	70.0- 130.0	100.0	
179	5.772	5.772	0.000		14262		0.0- 45.8	15.6	
92 Anthracene									
178	5.821	5.821	0.000	39	98768	20.4	70.0- 130.0	100.0	
179	5.821	5.821	0.000		15353		0.0- 45.2	15.5	
95 Fluoranthene									
202	7.086	7.086	0.000	58	81757	19.9	70.0- 130.0	100.0	
101	7.073	7.086	-0.013		13617		0.0- 46.2	16.7	
203	7.086	7.086	0.000		14467		0.0- 47.4	17.7	
97 Pyrene									
202	7.321	7.321	0.000	58	83295	18.6	70.0- 130.0	100.0	
101	7.309	7.321	-0.012		16148		0.0- 48.5	19.4	
$ 98 Terphenyl-d14									
244	7.817	7.817	0.000	44	43489	19.7	70.0- 130.0	100.0	
122	7.817	7.817	0.000		9355		0.0- 52.1	21.5	
101 Benzo[a]anthracene									
228	8.796	8.796	0.000	59	70314	19.6	70.0- 130.0	100.0	
229	8.796	8.796	0.000		15456		0.0- 51.1	22.0	
226	8.796	8.796	0.000		21369		0.0- 59.9	30.4	
* 103 Chrysene-d12									
240	8.821	8.821	0.000	14	92710	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.833	8.833	0.000	54	67158	18.1	70.0- 130.0	100.0	
226	8.833	8.833	0.000		21267		0.8- 60.8	31.7	
229	8.833	8.833	0.000		13724		0.0- 49.6	20.4	
106 Benzo[b]fluoranthene									M
252	9.688	9.688	0.000	31	55803	18.9	70.0- 130.0	100.0	M
253	9.701	9.688	0.013		25686		13.4- 73.4	46.0	
107 Benzo[k]fluoranthene									M
252	9.701	9.701	0.000	33	90822	22.4	70.0- 130.0	100.0	M
253	9.701	9.701	0.000		25686		0.0- 59.1	28.3	
108 Benzo[a]pyrene									
252	9.887	9.887	0.000	22	54179	21.7	70.0- 130.0	100.0	
253	9.887	9.887	0.000		11832		0.0- 51.3	21.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.936	9.936	0.000	25	54728	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									
276	10.593	10.593	0.000	16	38617	19.8	70.0- 130.0	100.0	
138	10.581	10.593	-0.012		8925		0.0- 53.2	23.1	
111 Dibenz(a,h)anthracene									M
278	10.630	10.630	0.000	7	33023	19.9	70.0- 130.0	100.0	M
139	10.630	10.630	0.000		7327		0.0- 51.4	22.2	
24 Benzo[g,h,i]perylene									
276	10.730	10.730	0.000	6	37205	21.1	70.0- 130.0	100.0	
138	10.717	10.730	-0.013		14621		6.3- 66.3	39.3	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D

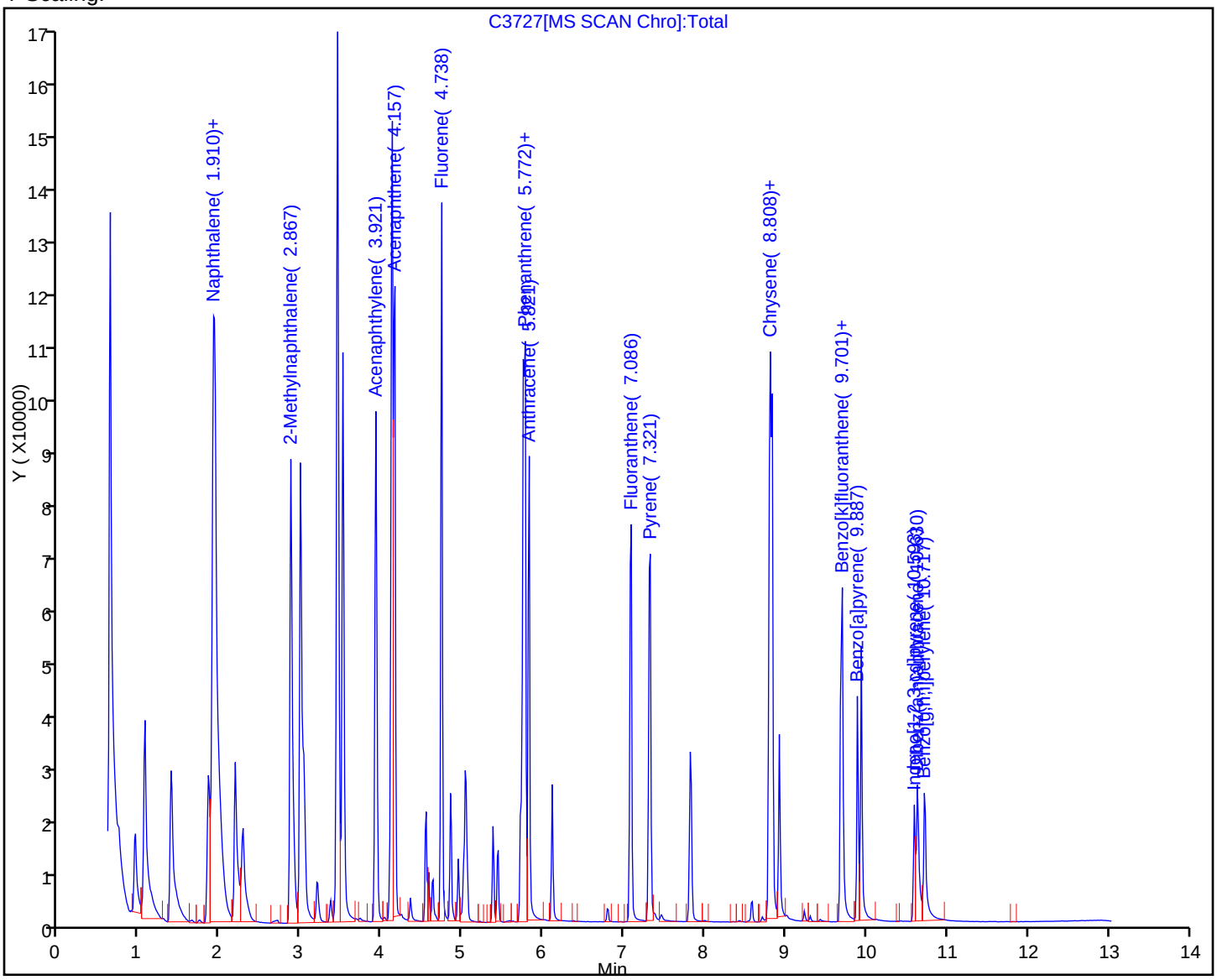
Injection Date: 07-Mar-2011 13:38:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Instrument ID: SMSB

Lims Batch ID: 76981 Lims Sample ID: 8

Operator ID: wds Injection Vol: 1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

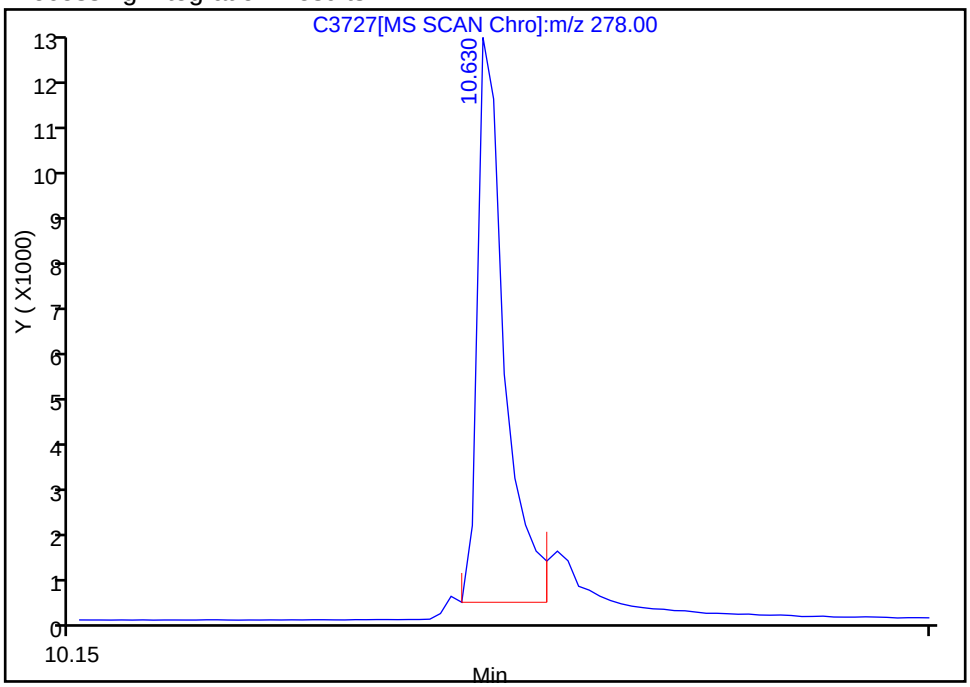
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D		
Injection Date:	07-Mar-2011 13:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

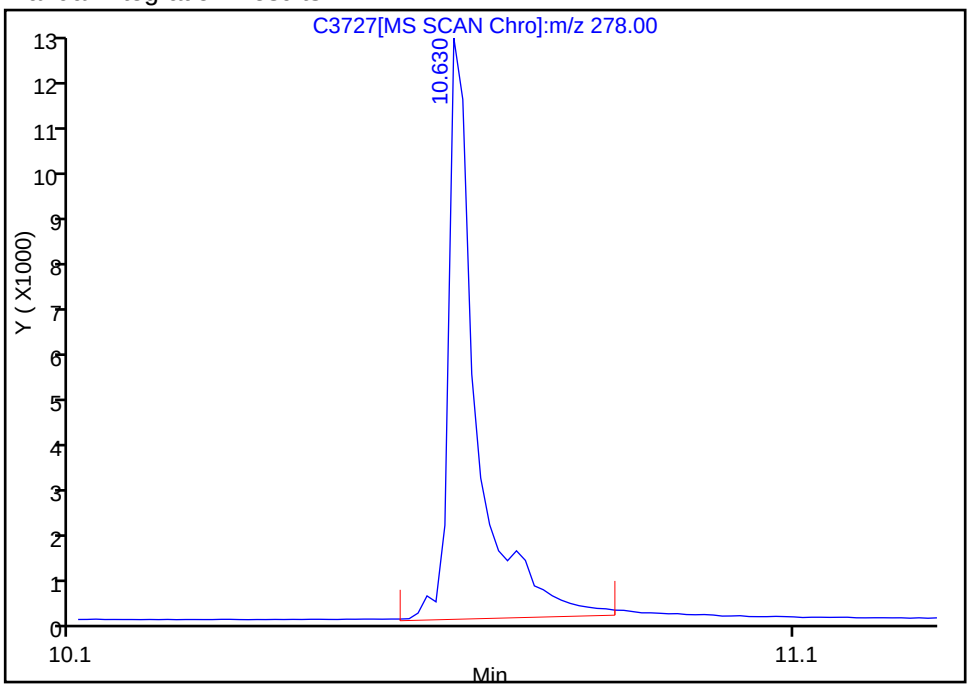
Processing Integration Results

RT: 10.63
Response: 25880
Amount: 18.328681



Manual Integration Results

RT: 10.63
Response: 33023
Amount: 19.906953



Reviewer: squiresb, 07-Mar-2011 14:22:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

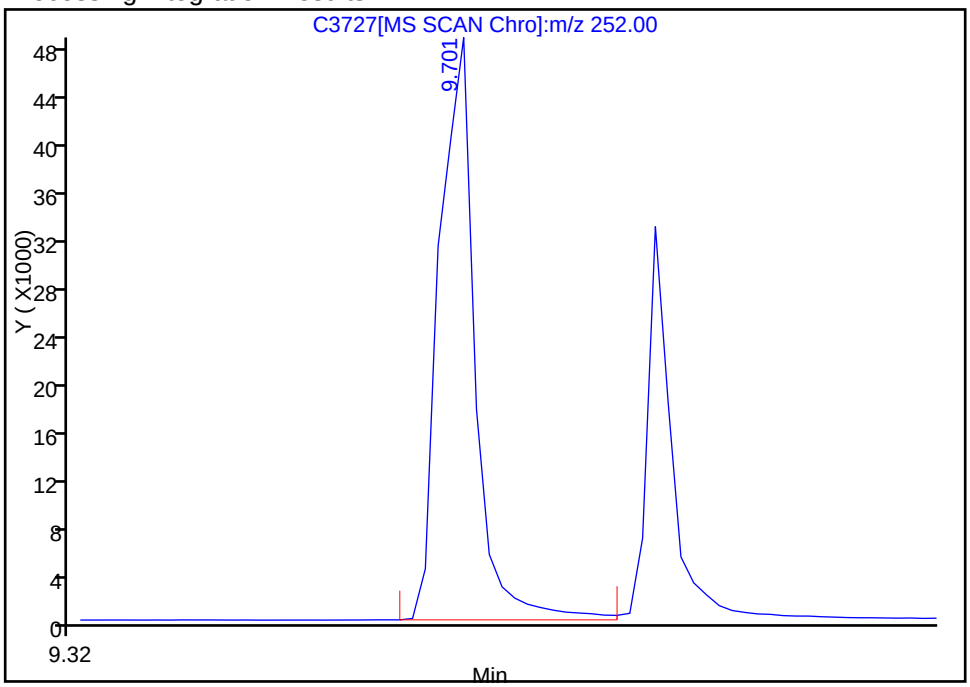
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D		
Injection Date:	07-Mar-2011 13:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

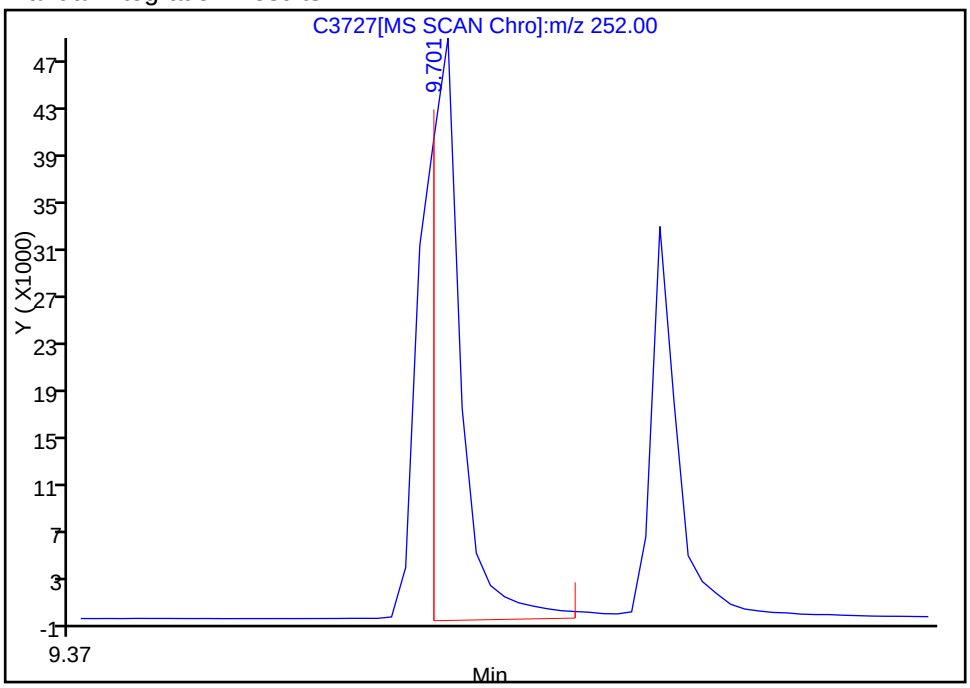
Processing Integration Results

RT: 9.70
Response: 117608
Amount: 20.957881



Manual Integration Results

RT: 9.70
Response: 90822
Amount: 22.408085



Reviewer: squiresb, 07-Mar-2011 14:22:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

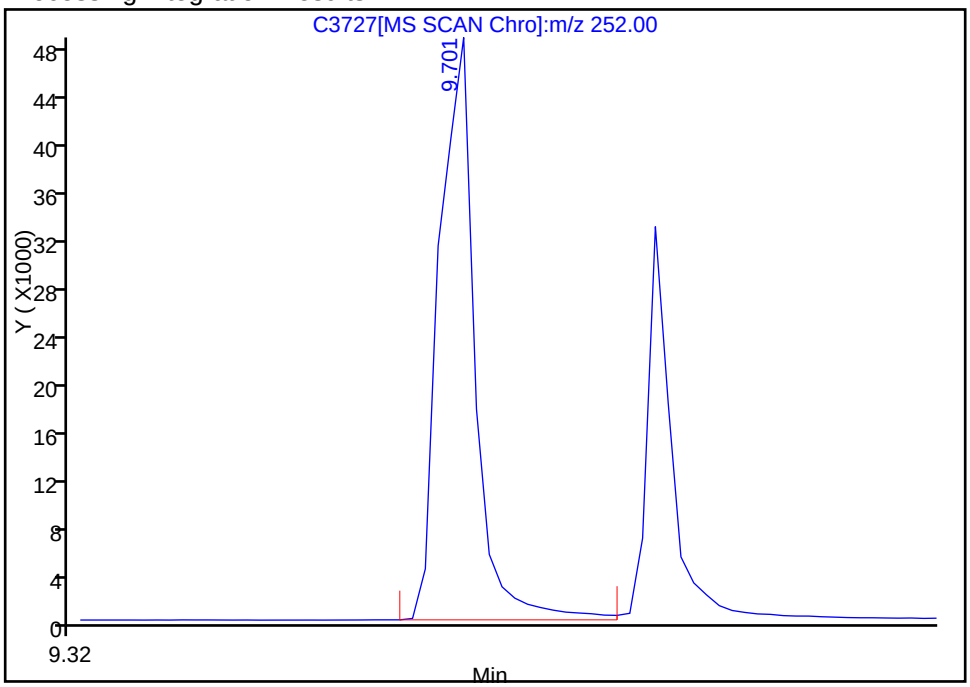
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D		
Injection Date:	07-Mar-2011 13:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

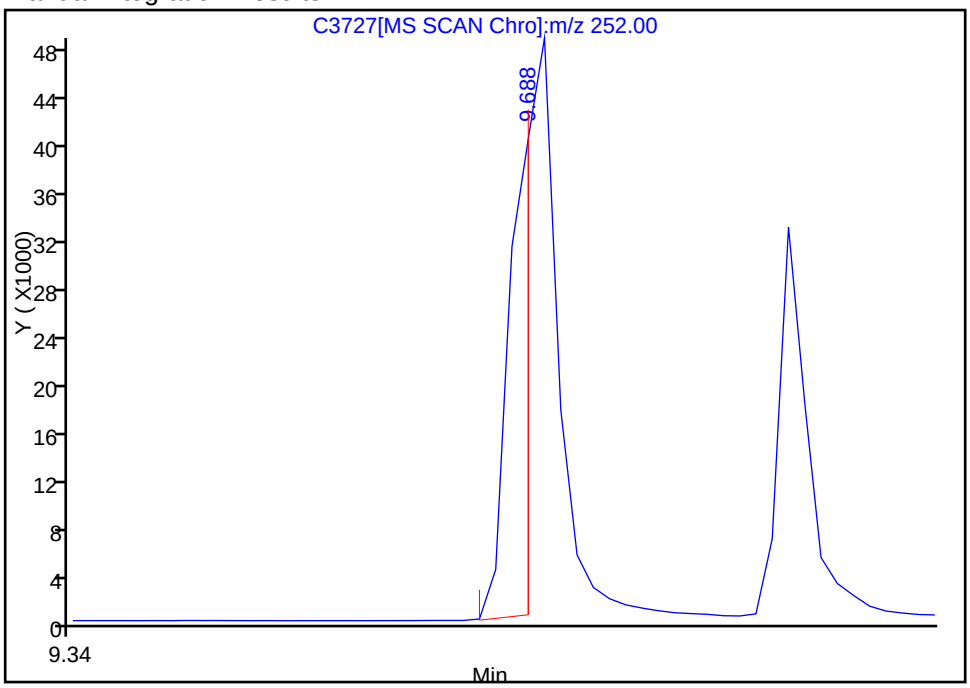
Processing Integration Results

RT: 9.70
Response: 117608
Amount: 33.747269



Manual Integration Results

RT: 9.69
Response: 55803
Amount: 18.913657



Reviewer: squiresb, 07-Mar-2011 14:22:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:46 Chrom Revision: 1.2 29-Oct-2010 14:13:24

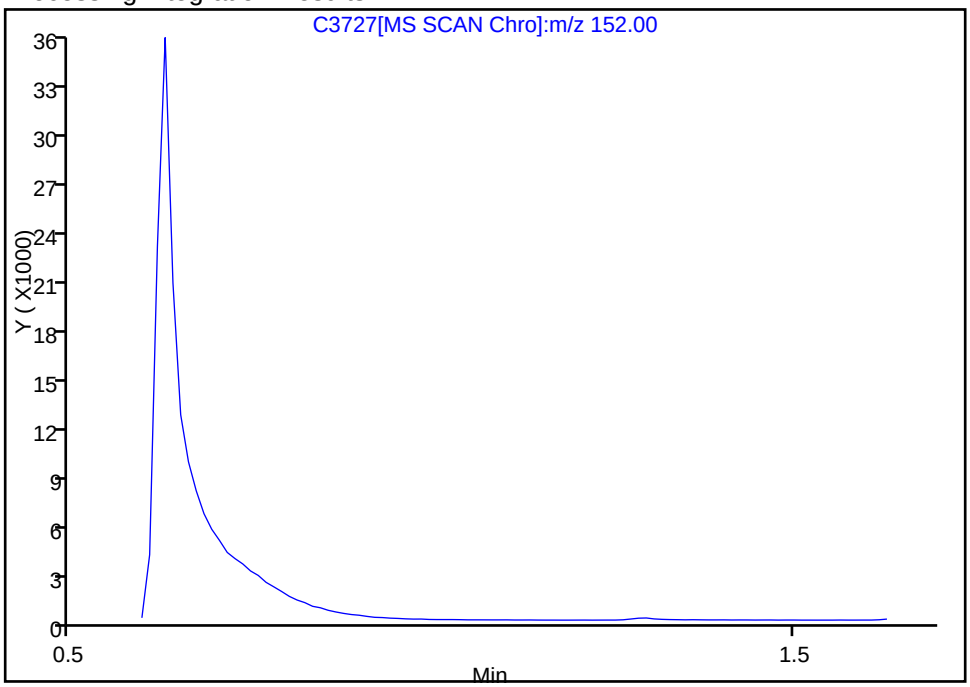
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3727.D		
Injection Date:	07-Mar-2011 13:38:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	8
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

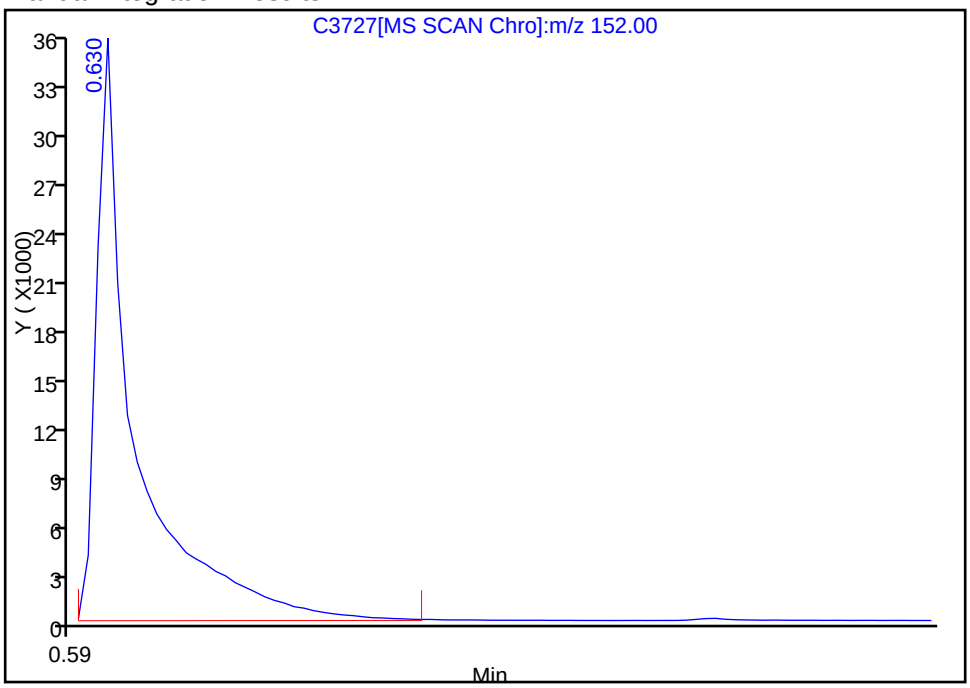
Processing Integration Results

Not Detected
Expected RT: 0.63



Manual Integration Results

RT: 0.63
Response: 104067
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:22:33
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Lims ID:	ic 040	Client ID:	
Inject. Date:	07-Mar-2011 13:56:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	IC 040		
Misc. Info.:	510-0004486-009 =510-0004486-009		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	9
Lims Batch ID:	76981	Lims Sample ID:	9
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 08-Mar-2011 10:08:49

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.634	0.630	0.004	1	110618	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									M
82	1.075	1.060	0.015	0	110765	42.1	70.0- 130.0	100.0	M
128	0.0	1.060	-1.060		0		29.6- 89.6		
54	0.0	1.060	-1.060		0		25.7- 85.7		
* 57 Naphthalene-d8									
136	1.914	1.910	0.004	40	272753	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.946	1.931	0.015	67	314214	39.6	70.0- 130.0	100.0	
129	1.946	1.931	0.015		35122		0.0- 40.6	11.2	
127	1.935	1.931	0.004		39893		0.0- 42.0	12.7	
62 2-Methylnaphthalene									
142	2.871	2.867	0.004	59	201590	41.0	70.0- 130.0	100.0	
141	2.871	2.867	0.004		168165		54.1- 114.1	83.4	
115	2.871	2.867	0.004		73121		6.6- 66.6	36.3	
$ 66 2-Fluorobiphenyl									
172	3.452	3.448	0.004	44	226244	39.2			
71 Acenaphthylene									
152	3.925	3.921	0.004	76	262712	34.1	70.0- 130.0	100.0	
151	3.925	3.921	0.004		51199		0.0- 49.0	19.5	
* 73 Acenaphthene-d10									
164	4.129	4.125	0.004	14	146298	40.0	70.0- 130.0	100.0	
162	4.129	4.125	0.004		111852		54.2- 114.2	76.5	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.161	4.157	0.004	55	138249	39.3	70.0- 130.0	100.0	
152	4.161	4.157	0.004		70744		20.6- 80.6	51.2	
153	4.161	4.157	0.004		143992		73.1- 133.1	104.2	
80 Fluorene									
166	4.753	4.738	0.015	70	169712	34.2	70.0- 130.0	100.0	
165	4.753	4.738	0.015		153261		60.9- 120.9	90.3	
* 90 Phenanthrene-d10									
188	5.759	5.747	0.012	4	167020	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.783	5.772	0.011	9	211730	39.0	70.0- 130.0	100.0	
179	5.783	5.772	0.011		33690		0.0- 45.8	15.9	
92 Anthracene									
178	5.833	5.821	0.012	39	214301	37.8	70.0- 130.0	100.0	
179	5.833	5.821	0.012		35022		0.0- 45.2	16.3	
95 Fluoranthene									
202	7.085	7.086	-0.001	59	187814	39.1	70.0- 130.0	100.0	
101	7.085	7.086	-0.001		31878		0.0- 46.2	17.0	
203	7.085	7.086	-0.001		34142		0.0- 47.4	18.2	
97 Pyrene									
202	7.333	7.321	0.012	58	190193	39.6	70.0- 130.0	100.0	
101	7.320	7.321	-0.001		36948		0.0- 48.5	19.4	
$ 98 Terphenyl-d14									
244	7.828	7.817	0.011	44	99223	41.9	70.0- 130.0	100.0	
122	7.828	7.817	0.011		22101		0.0- 52.1	22.3	
101 Benzo[a]anthracene									M
228	8.808	8.796	0.012	55	135367	35.2	70.0- 130.0	100.0	M
229	8.845	8.796	0.049		27224		0.0- 51.1	20.1	
226	8.845	8.796	0.049		49138		0.0- 59.9	36.3	
* 103 Chrysene-d12									
240	8.820	8.821	-0.001	12	99512	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	8.845	8.833	0.012	56	155661	39.2	70.0- 130.0	100.0	M
226	8.808	8.833	-0.025		41021		0.8- 60.8	26.4	
229	8.808	8.833	-0.025		38253		0.0- 49.6	24.6	
106 Benzo[b]fluoranthene									M
252	9.700	9.688	0.012	31	149569	44.5	70.0- 130.0	100.0	M
253	9.712	9.688	0.024		58834		13.4- 73.4	39.3	
107 Benzo[k]fluoranthene									M
252	9.712	9.701	0.011	33	166656	36.3	70.0- 130.0	100.0	M
253	9.712	9.701	0.011		58834		0.0- 59.1	35.3	
108 Benzo[a]pyrene									M
252	9.898	9.887	0.011	22	121945	43.1	70.0- 130.0	100.0	M
253	9.712	9.887	-0.175		58834		0.0- 51.3	48.2	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									
264	9.948	9.936	0.012	25	62011	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.605	10.593	0.012	16	90496	40.7	70.0- 130.0	100.0	M
138	10.592	10.593	-0.001		25598		0.0- 53.2	28.3	
111 Dibenz(a,h)anthracene									M
278	10.642	10.630	0.012	4	77962	41.3	70.0- 130.0	100.0	M
139	10.630	10.630	0.000		19282		0.0- 51.4	24.7	
24 Benzo[g,h,i]perylene									
276	10.729	10.730	-0.001	9	84869	42.4	70.0- 130.0	100.0	
138	10.716	10.730	-0.014		31056		6.3- 66.3	36.6	

QC Flag Legend

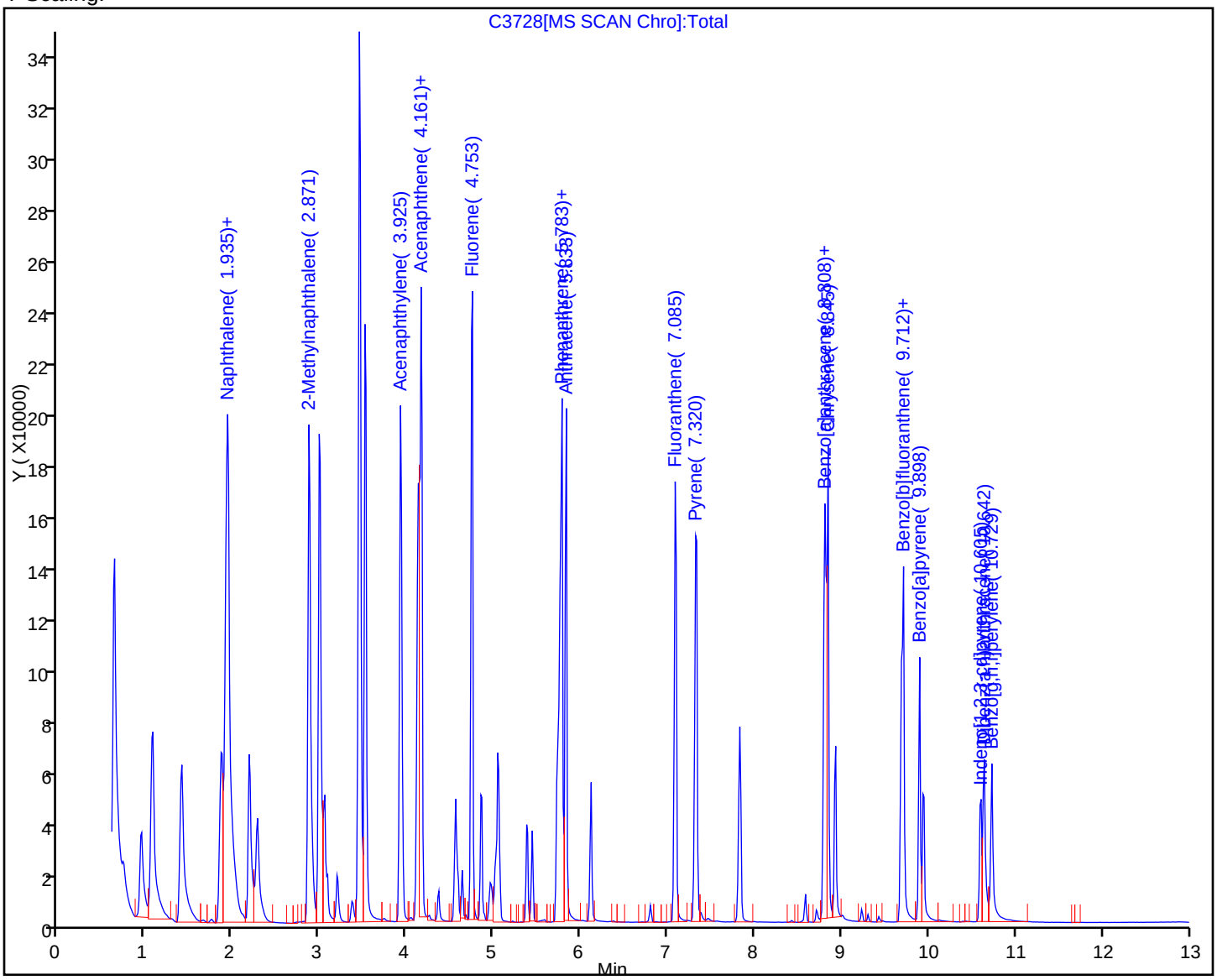
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D

Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

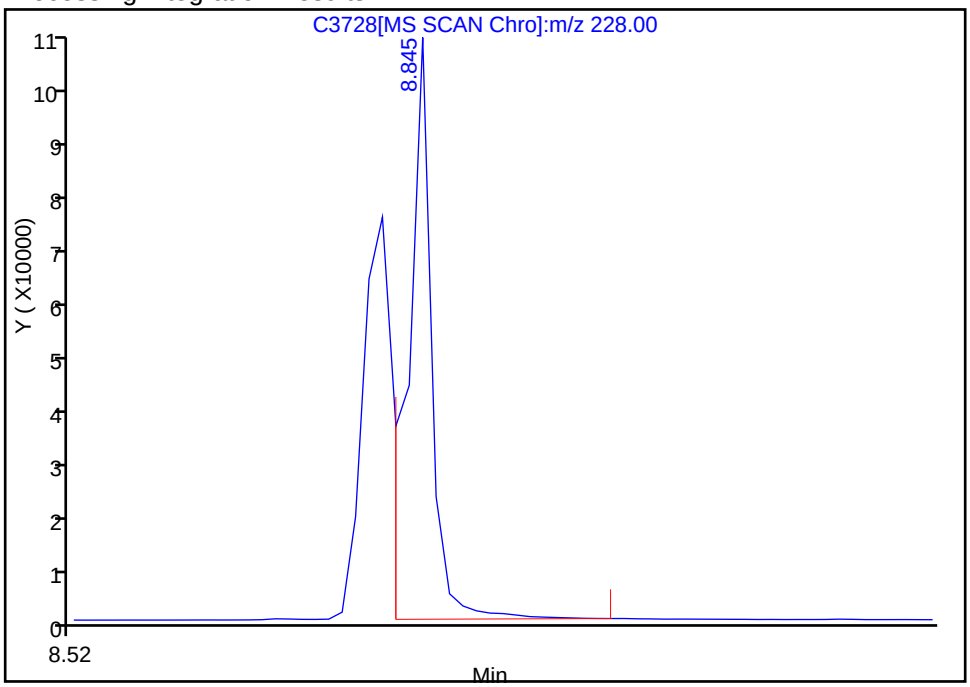
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

101 Benzo[a]anthracene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.80

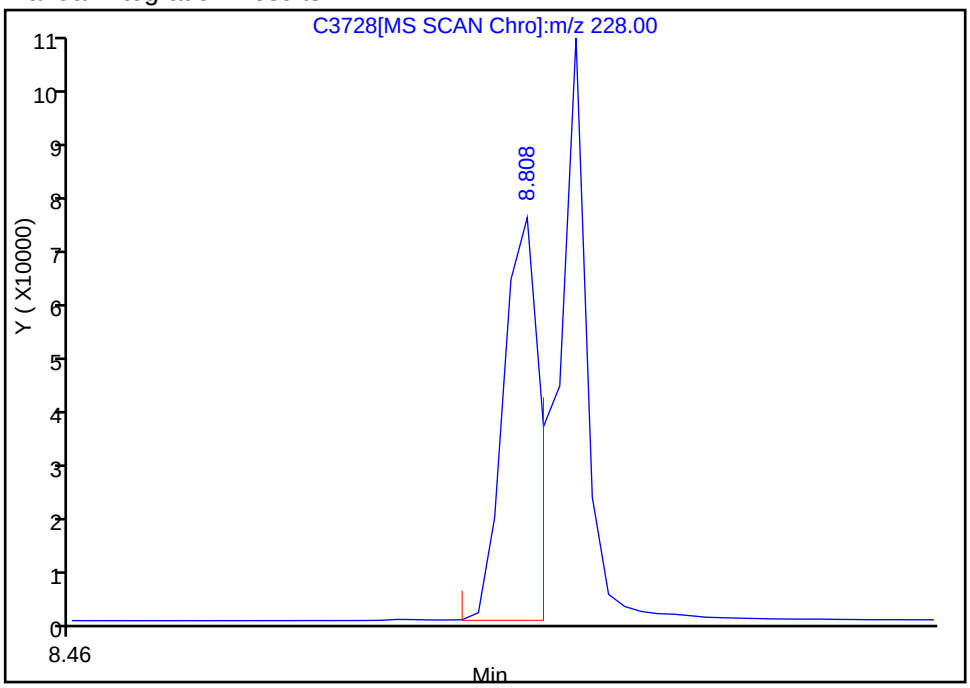
Processing Integration Results

RT: 8.84
Response: 154927
Amount: 38.748821



Manual Integration Results

RT: 8.81
Response: 135367
Amount: 35.240892



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

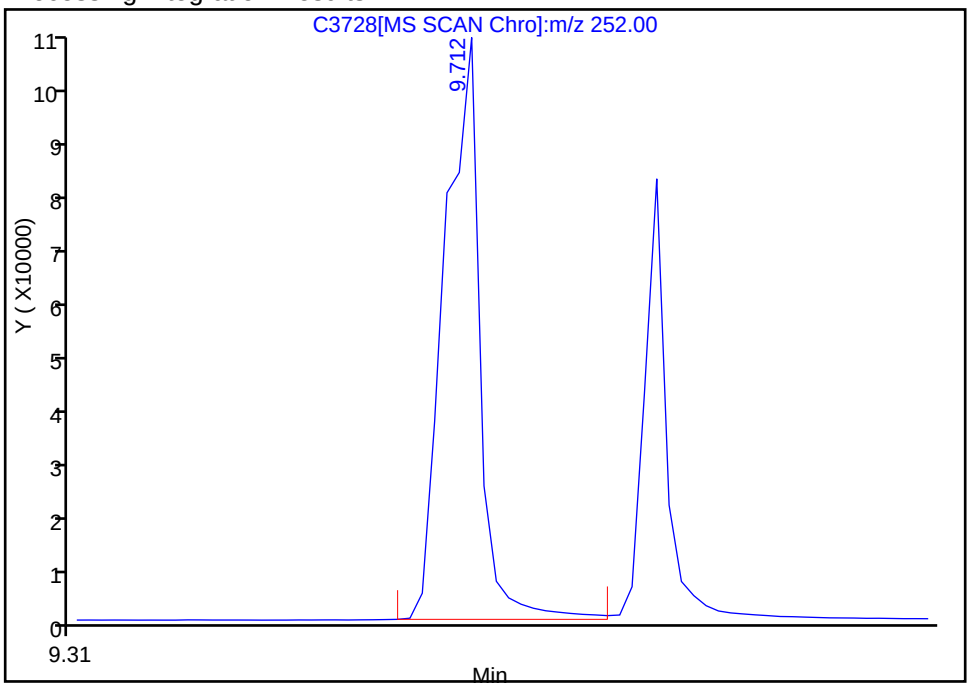
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.69

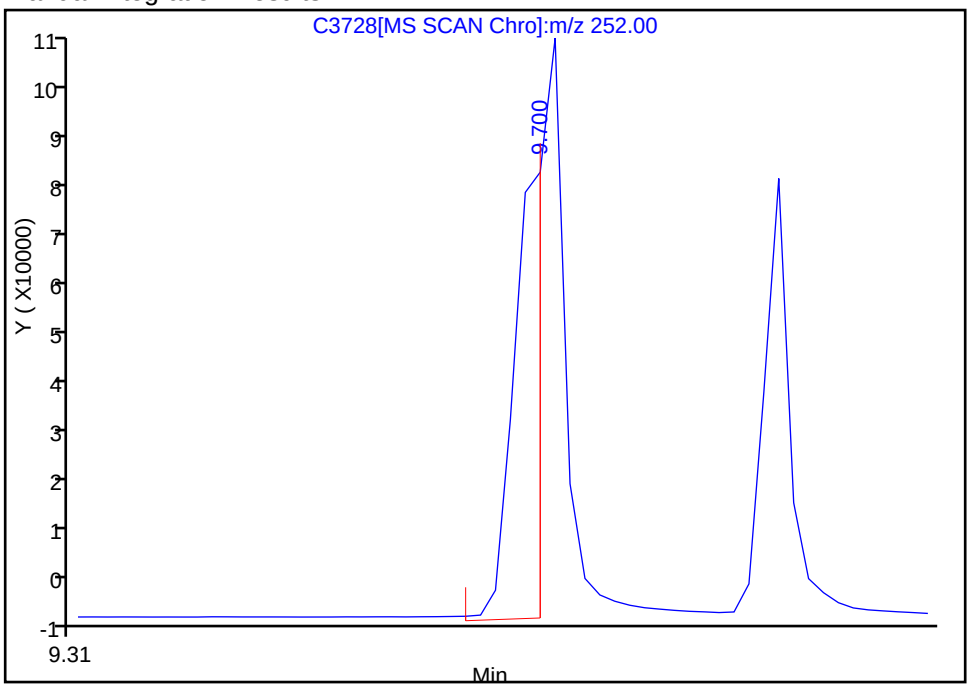
Processing Integration Results

RT: 9.71
Response: 258929
Amount: 40.133851



Manual Integration Results

RT: 9.70
Response: 149569
Amount: 44.492101



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

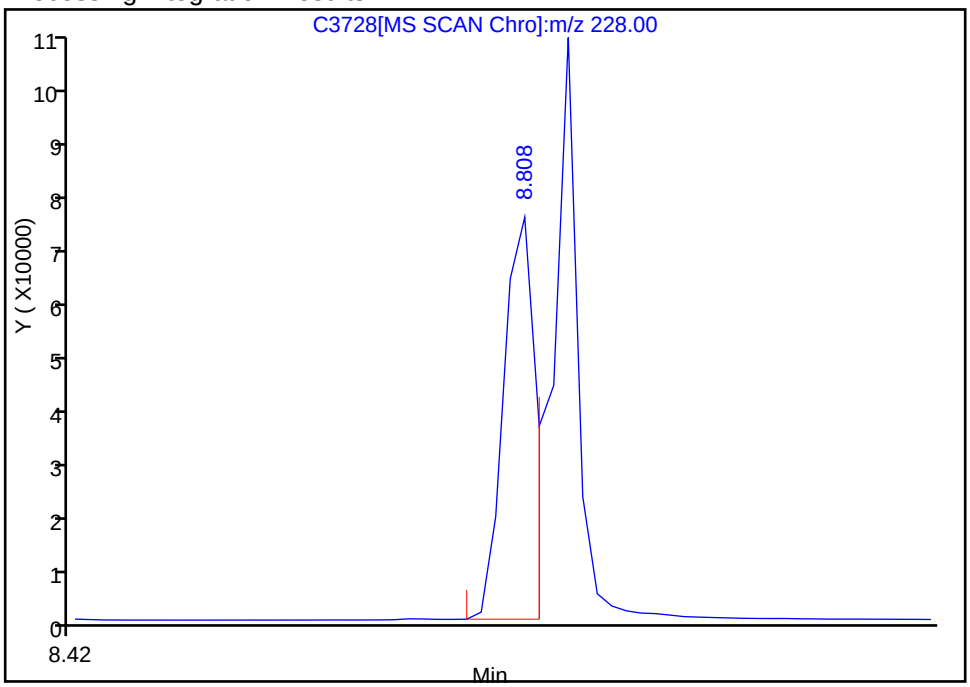
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.83

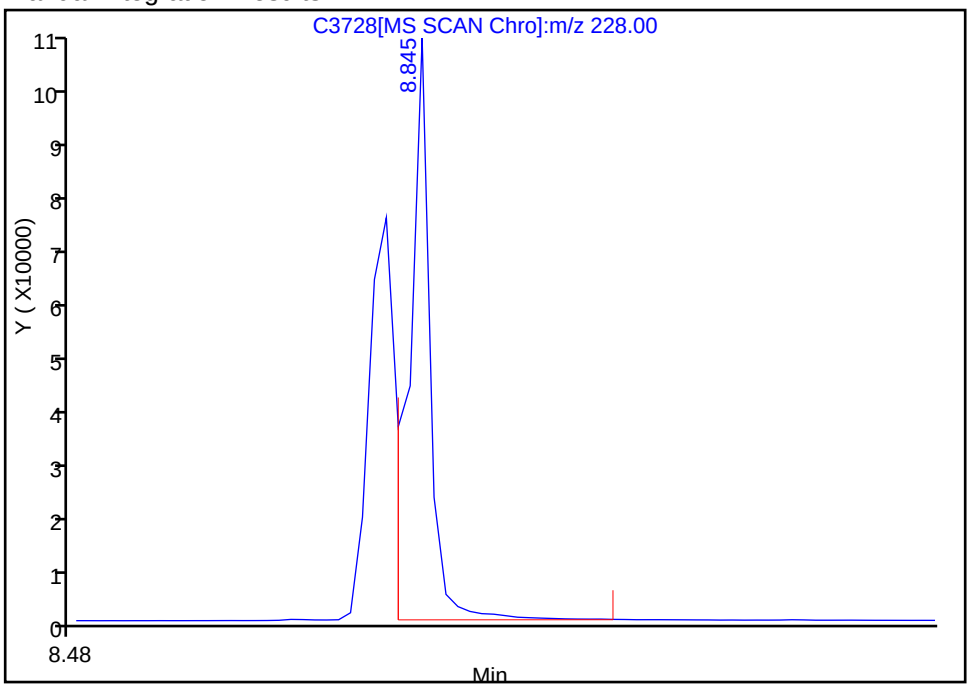
Processing Integration Results

RT: 8.81
Response: 134925
Amount: 34.389402



Manual Integration Results

RT: 8.84
Response: 155661
Amount: 39.176896



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

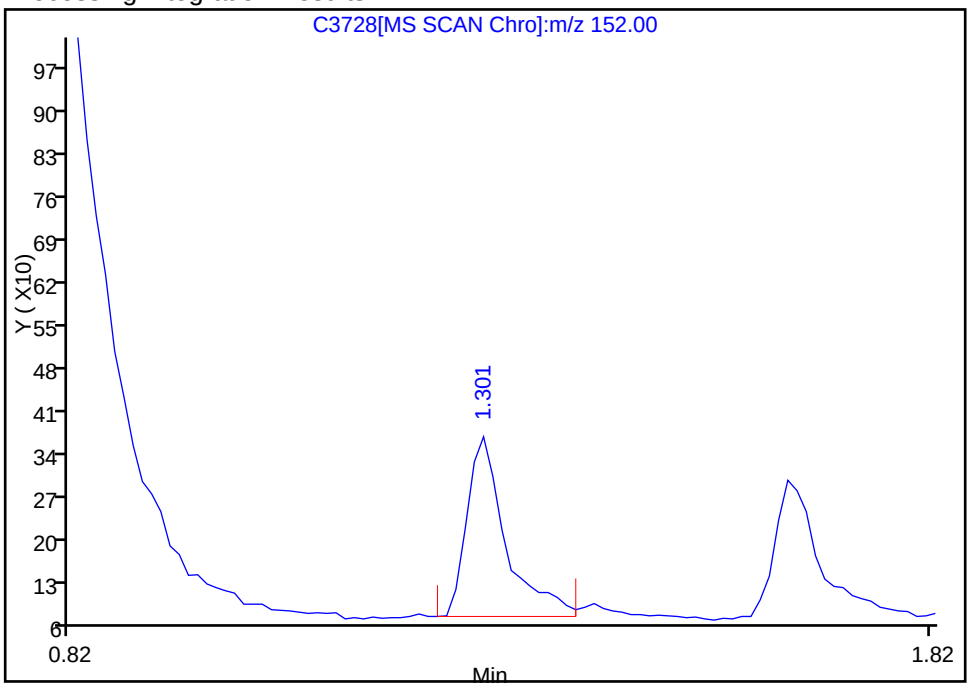
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

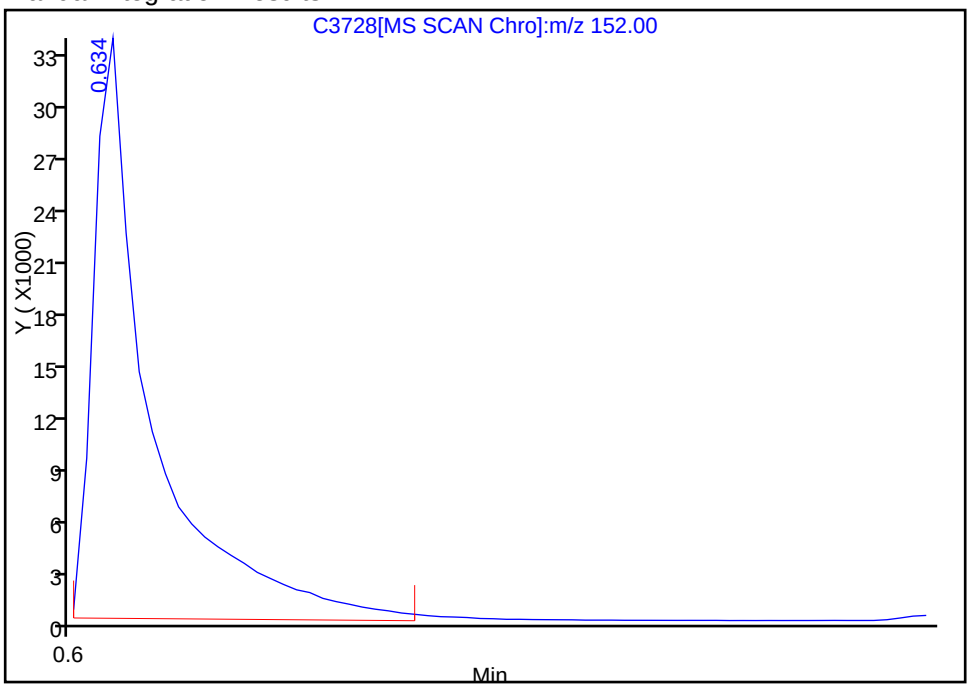
Processing Integration Results

RT: 1.30
Response: 921
Amount: 40.010000



Manual Integration Results

RT: 0.63
Response: 110618
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

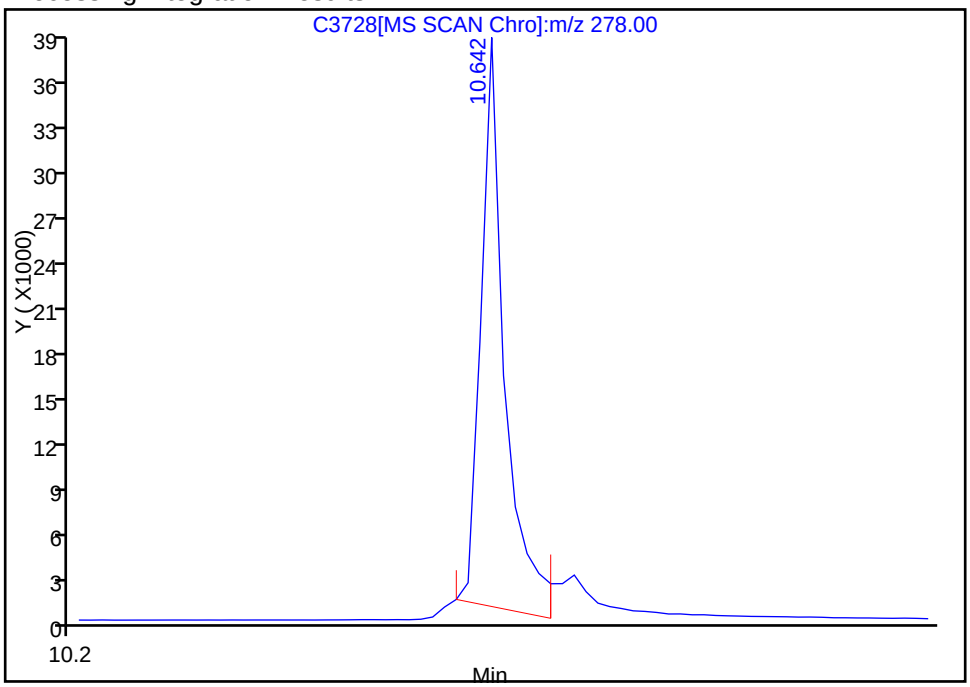
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 10.63

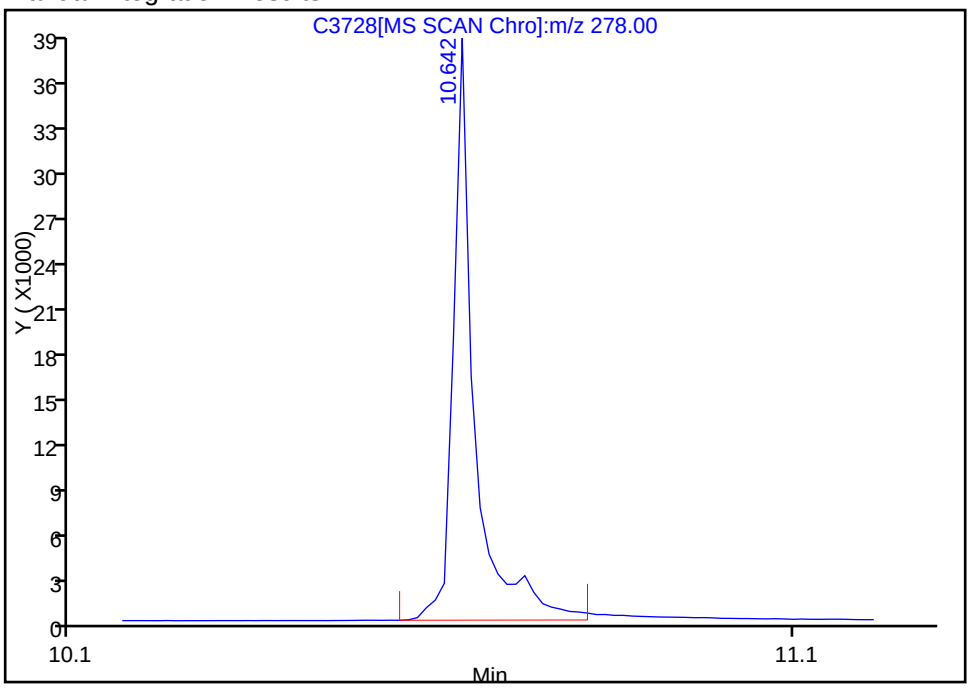
Processing Integration Results

RT: 10.64
Response: 64224
Amount: 38.549234



Manual Integration Results

RT: 10.64
Response: 77962
Amount: 41.292888



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

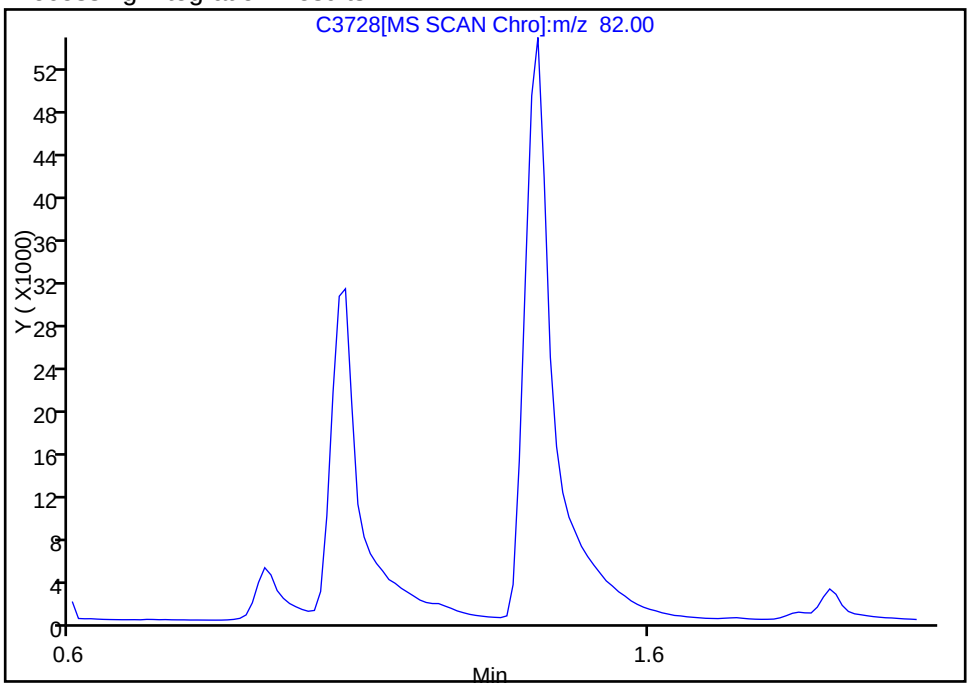
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 1.06

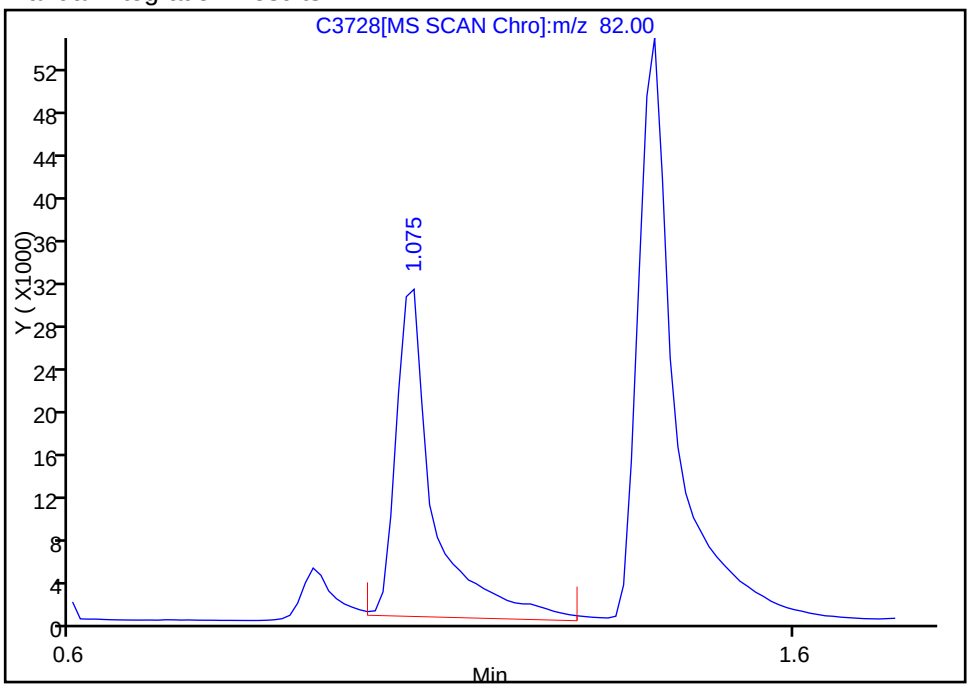
Processing Integration Results

Not Detected
Expected RT: 1.06



Manual Integration Results

RT: 1.08
Response: 110765
Amount: 42.112686



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

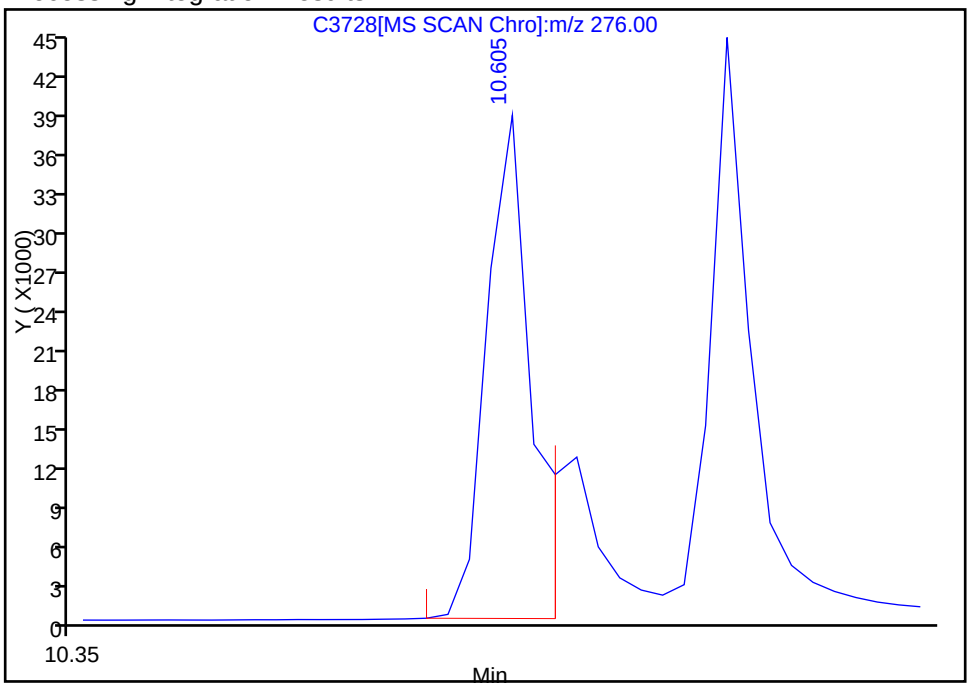
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.59

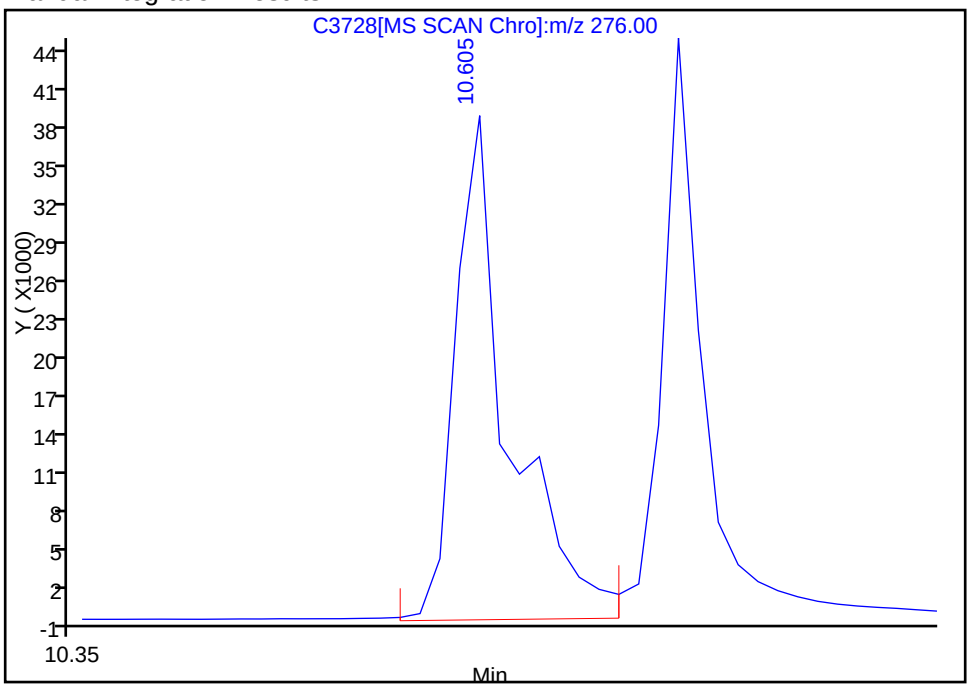
Processing Integration Results

RT: 10.60
Response: 70648
Amount: 39.820178



Manual Integration Results

RT: 10.60
Response: 90496
Amount: 40.683820



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

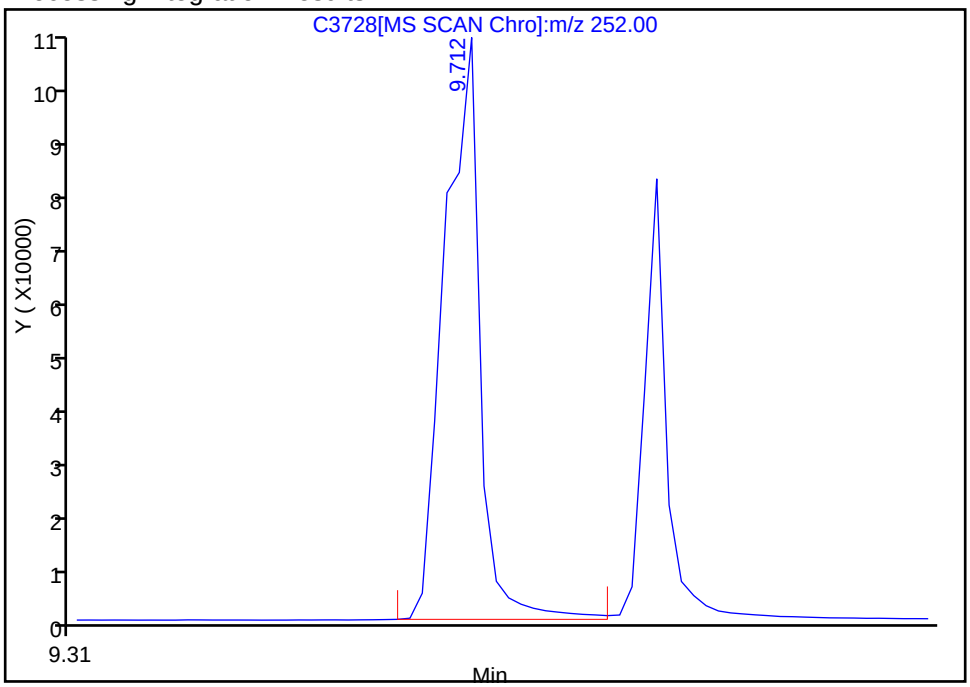
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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: 9.70

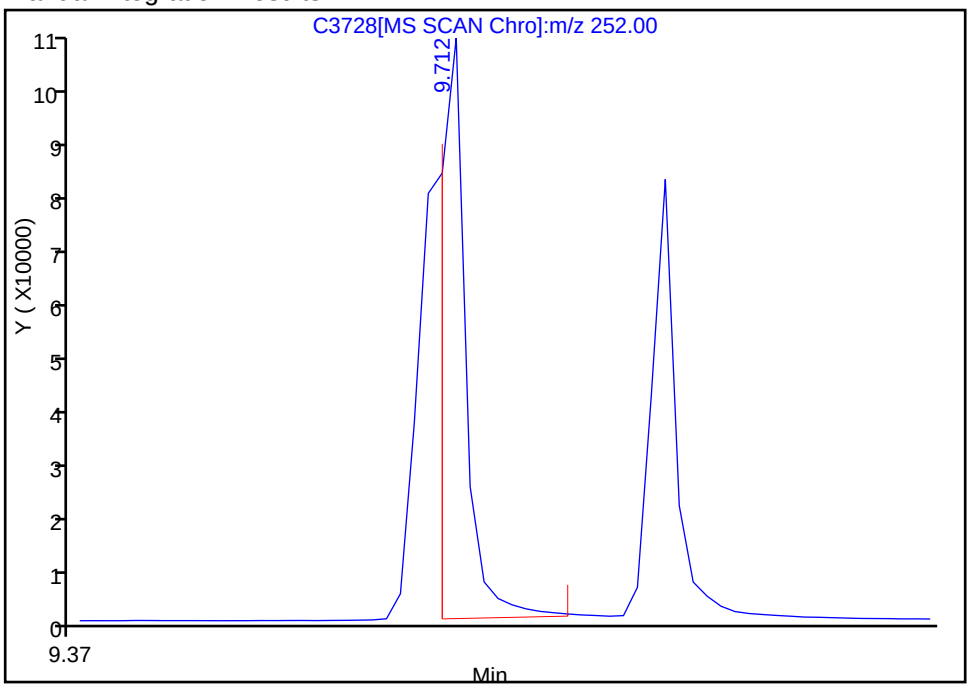
Processing Integration Results

RT: 9.71
Response: 258929
Amount: 51.631920



Manual Integration Results

RT: 9.71
Response: 166656
Amount: 36.289040



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:49 Chrom Revision: 1.2 29-Oct-2010 14:13:24

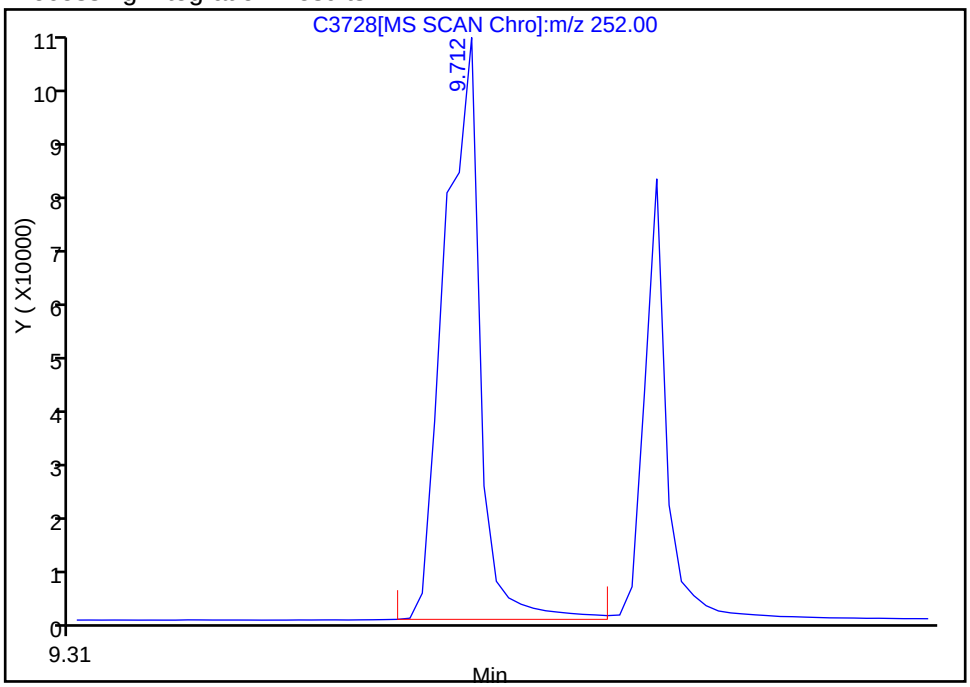
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.D		
Injection Date:	07-Mar-2011 13:56:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	9
Operator ID:	wds	Injection Vol:	1.00 ul

108 Benzo[a]pyrene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.89

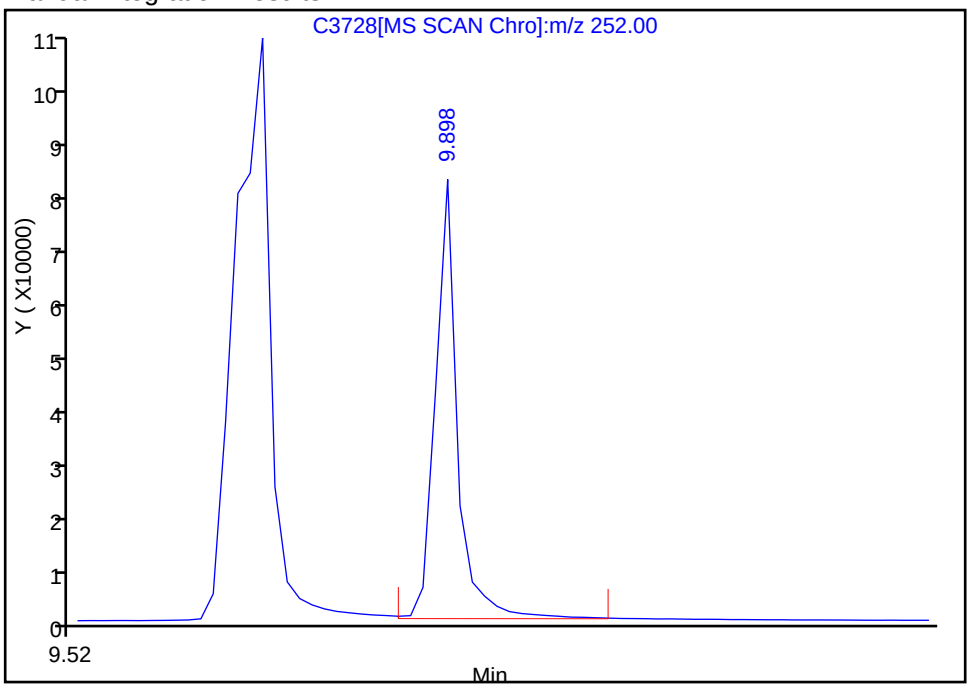
Processing Integration Results

RT: 9.71
Response: 258929
Amount: 40.131154



Manual Integration Results

RT: 9.90
Response: 121945
Amount: 43.141651



Reviewer: squiresb, 07-Mar-2011 14:23:55
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Lims ID:	ic 080	Client ID:	
Inject. Date:	07-Mar-2011 14:14:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	IC 080		
Misc. Info.:	510-0004486-010 =510-0004486-010		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	10
Lims Batch ID:	76981	Lims Sample ID:	10
Sublist:	chrom-SIM-PNAB*sub9		
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 15:47:15	Calib Date:	07-Mar-2011 13:56:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.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: 08-Mar-2011 10:08:52

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 40 1,4-Dichlorobenzene-d4									M
152	0.631	0.630	0.001	1	109325	40.0	70.0- 130.0	100.0	M
$ 49 Nitrobenzene-d5									
82	1.083	1.060	0.023	32	219558	86.3	70.0- 130.0	100.0	
128	1.083	1.060	0.023		137349		29.6- 89.6	62.6	
54	1.083	1.060	0.023		123451		25.7- 85.7	56.2	
* 57 Naphthalene-d8									
136	1.932	1.910	0.022	40	263694	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.954	1.931	0.023	67	590347	77.0	70.0- 130.0	100.0	
129	1.954	1.931	0.023		69305		0.0- 40.6	11.7	
127	1.954	1.931	0.023		74512		0.0- 42.0	12.6	
62 2-Methylnaphthalene									
142	2.879	2.867	0.012	59	381474	80.3	70.0- 130.0	100.0	
141	2.879	2.867	0.012		314638		54.1- 114.1	82.5	
115	2.879	2.867	0.012		141408		6.6- 66.6	37.1	
$ 66 2-Fluorobiphenyl									
172	3.470	3.448	0.022	44	404326	80.3			
71 Acenaphthylene									
152	3.943	3.921	0.022	76	500960	57.1	70.0- 130.0	100.0	
151	3.943	3.921	0.022		99825		0.0- 49.0	19.9	
* 73 Acenaphthene-d10									
164	4.137	4.125	0.012	11	166373	40.0	70.0- 130.0	100.0	
162	4.137	4.125	0.012		112858		54.2- 114.2	67.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
74 Acenaphthene									
154	4.180	4.157	0.023	56	264035	80.2	70.0- 130.0	100.0	
152	4.180	4.157	0.023		132203		20.6- 80.6	50.1	
153	4.180	4.157	0.023		271593		73.1- 133.1	102.9	
80 Fluorene									
166	4.771	4.738	0.033	69	333052	59.1	70.0- 130.0	100.0	
165	4.771	4.738	0.033		299903		60.9- 120.9	90.0	
* 90 Phenanthrene-d10									
188	5.770	5.747	0.023	4	179568	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.808	5.772	0.036	9	423880	72.6	70.0- 130.0	100.0	
179	5.808	5.772	0.036		70328		0.0- 45.8	16.6	
92 Anthracene									
178	5.857	5.821	0.036	38	445952	73.2	70.0- 130.0	100.0	
179	5.857	5.821	0.036		75642		0.0- 45.2	17.0	
95 Fluoranthene									M
202	7.109	7.086	0.023	58	363882	70.5	70.0- 130.0	100.0	M
101	7.097	7.086	0.011		63432		0.0- 46.2	17.4	
203	7.109	7.086	0.023		65527		0.0- 47.4	18.0	
97 Pyrene									M
202	7.344	7.321	0.023	60	385491	78.8	70.0- 130.0	100.0	M
101	7.344	7.321	0.023		74303		0.0- 48.5	19.3	
$ 98 Terphenyl-d14									
244	7.840	7.817	0.023	44	191787	79.5	70.0- 130.0	100.0	
122	7.840	7.817	0.023		44240		0.0- 52.1	23.1	
101 Benzo[a]anthracene									
228	8.819	8.796	0.023	59	263560	67.3	70.0- 130.0	100.0	
229	8.819	8.796	0.023		74080		0.0- 51.1	28.1	
226	8.819	8.796	0.023		81811		0.0- 59.9	31.0	
* 103 Chrysene-d12									
240	8.832	8.821	0.011	6	101472	40.0	70.0- 130.0	100.0	
104 Chrysene									M
228	8.857	8.833	0.024	56	310294	76.6	70.0- 130.0	100.0	M
226	8.819	8.833	-0.014		81811		0.8- 60.8	26.4	
229	8.819	8.833	-0.014		74080		0.0- 49.6	23.9	
106 Benzo[b]fluoranthene									M
252	9.712	9.688	0.024	30	280399	76.3	70.0- 130.0	100.0	M
253	9.724	9.688	0.036		118241		13.4- 73.4	42.2	
107 Benzo[k]fluoranthene									M
252	9.724	9.701	0.023	33	344172	68.7	70.0- 130.0	100.0	M
253	9.724	9.701	0.023		118241		0.0- 59.1	34.4	
108 Benzo[a]pyrene									
252	9.910	9.887	0.023	22	250660	81.3	70.0- 130.0	100.0	
253	9.910	9.887	0.023		55823		0.0- 51.3	22.3	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
* 109 Perylene-d12									M
264	9.947	9.936	0.011	25	67673	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									M
276	10.617	10.593	0.024	16	194188	79.7	70.0- 130.0	100.0	M
138	10.604	10.593	0.011		52161		0.0- 53.2	26.9	
111 Dibenz(a,h)anthracene									M
278	10.654	10.630	0.024	43	163789	79.3	70.0- 130.0	100.0	M
139	10.641	10.630	0.011		41301		0.0- 51.4	25.2	
24 Benzo[g,h,i]perylene									
276	10.741	10.730	0.010	11	167734	76.9	70.0- 130.0	100.0	
138	10.741	10.730	0.010		68596		6.3- 66.3	40.9	

QC Flag Legend

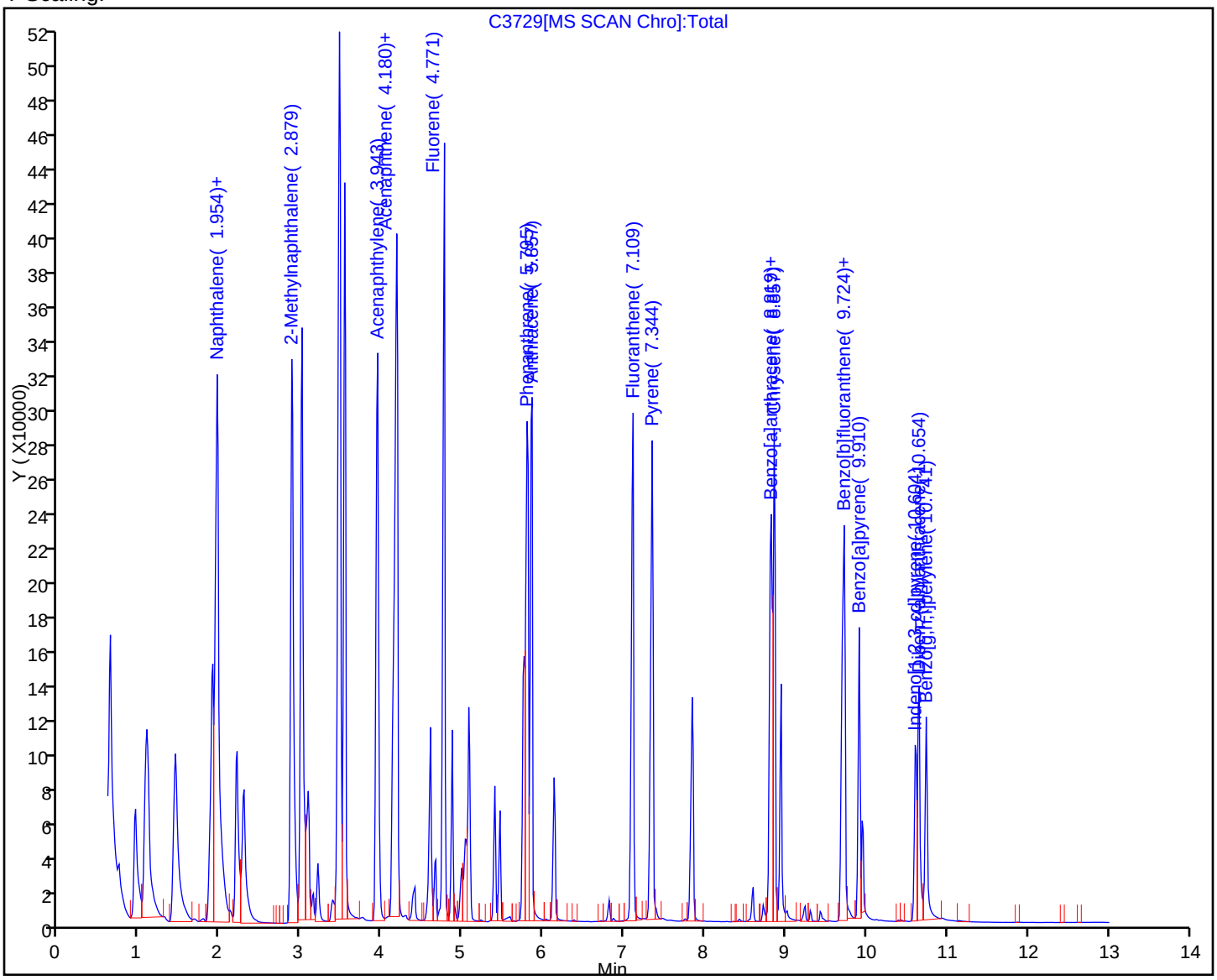
Review Flags
M - Manually Integrated

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D

Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

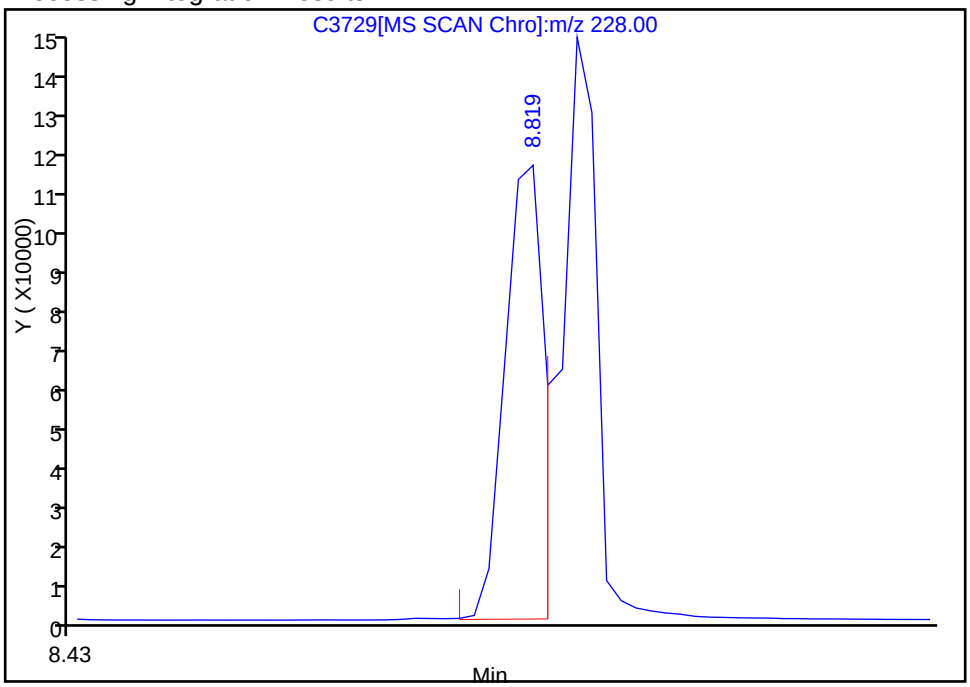
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

104 Chrysene, Signal: 1, m/z: 228.0 Type: quant, RT: 8.83

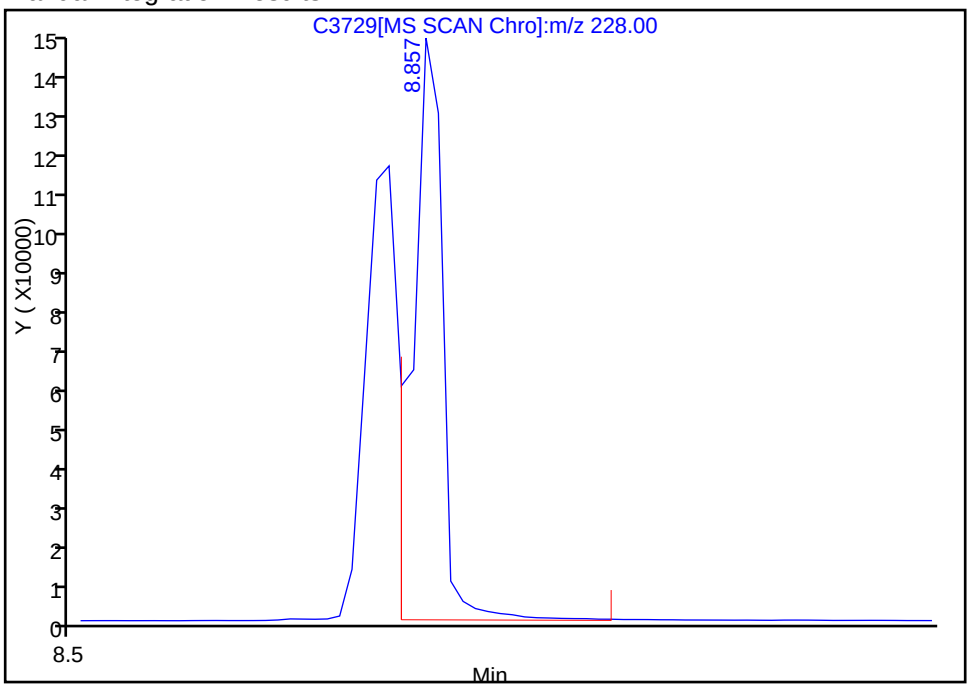
Processing Integration Results

RT: 8.82
Response: 263560
Amount: 66.245704



Manual Integration Results

RT: 8.86
Response: 310294
Amount: 76.586605



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

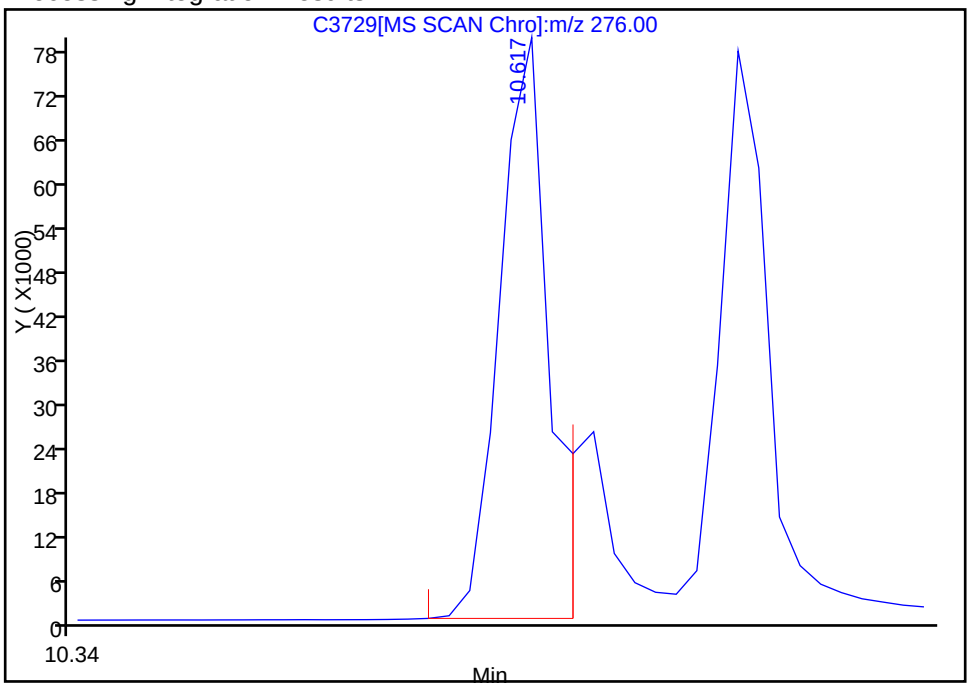
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.59

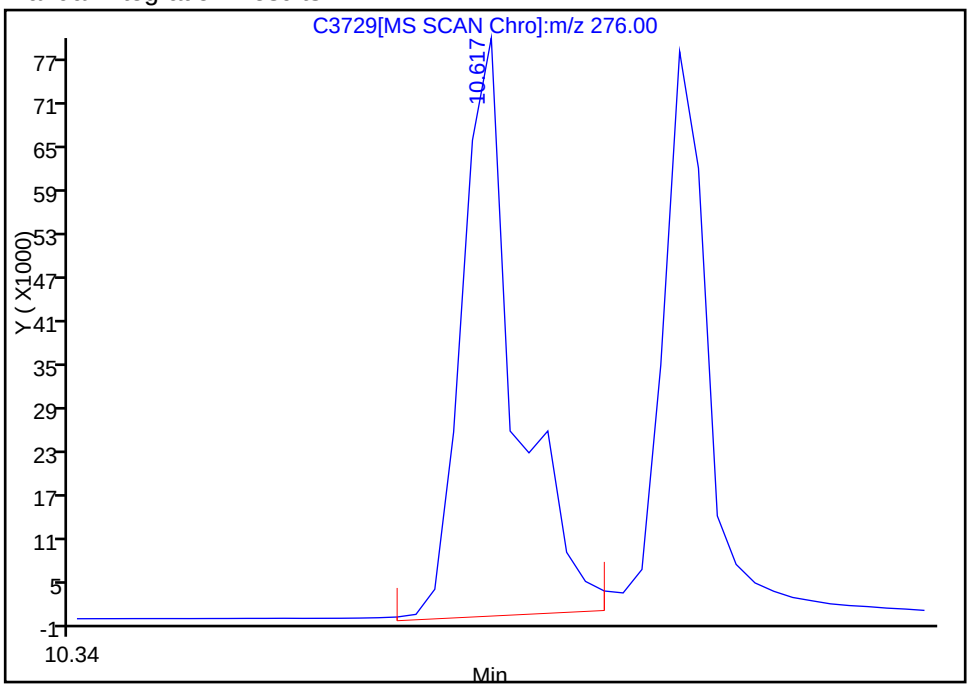
Processing Integration Results

RT: 10.62
Response: 164246
Amount: 76.777484



Manual Integration Results

RT: 10.62
Response: 194188
Amount: 79.702160



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

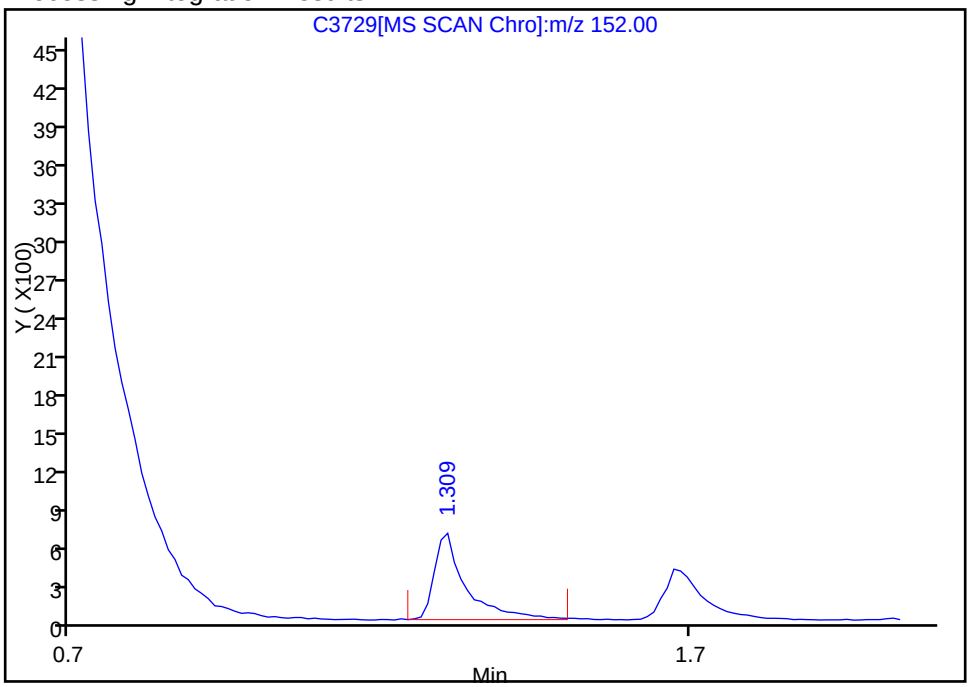
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

* 40 1,4-Dichlorobenzene-d4, Signal: 1, m/z: 152.0 Type: quant, RT: 0.63

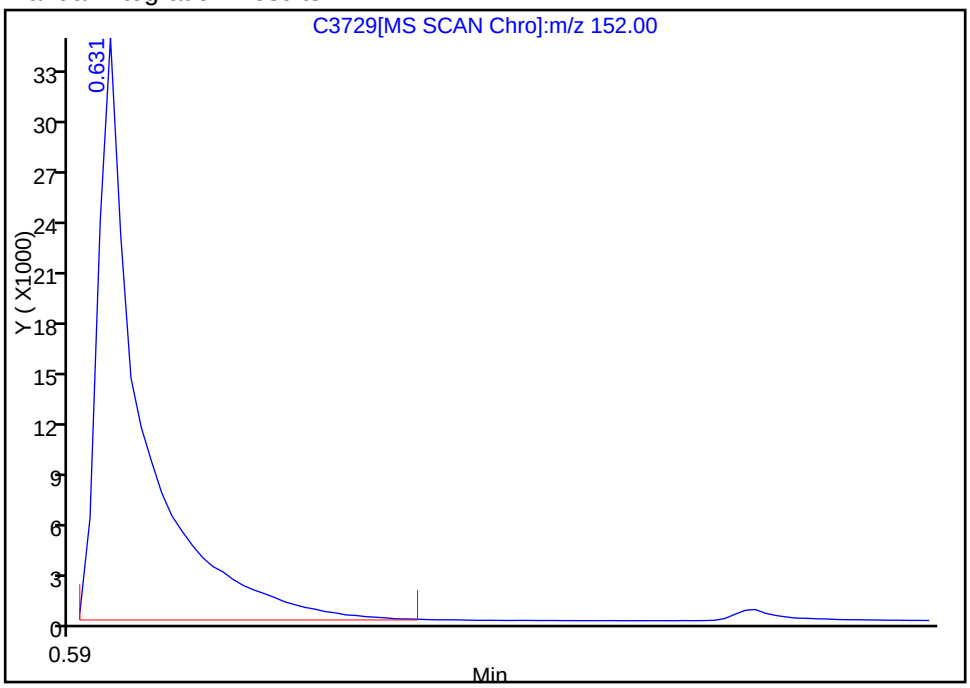
Processing Integration Results

RT: 1.31
Response: 2334
Amount: 40.010000



Manual Integration Results

RT: 0.63
Response: 109325
Amount: 40.010000



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

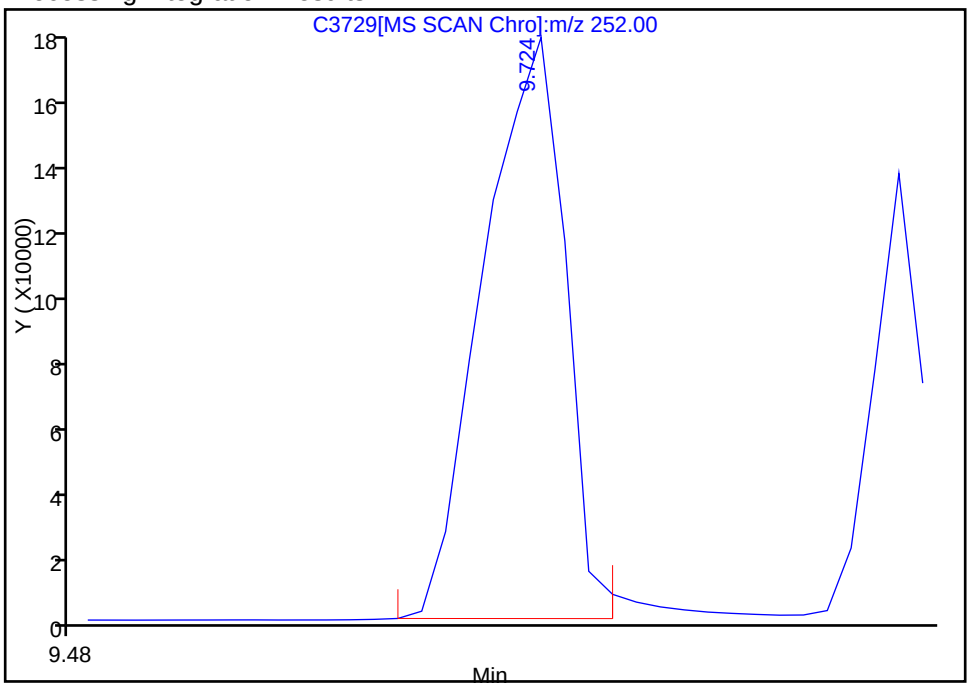
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.70

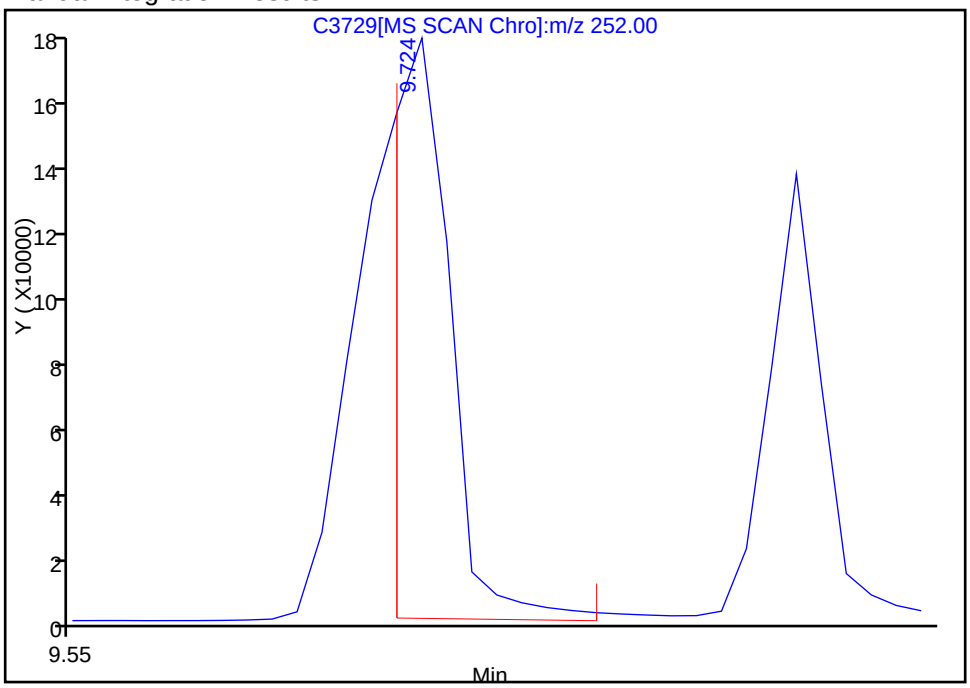
Processing Integration Results

RT: 9.72
Response: 502447
Amount: 100.3582



Manual Integration Results

RT: 9.72
Response: 344172
Amount: 68.672580



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

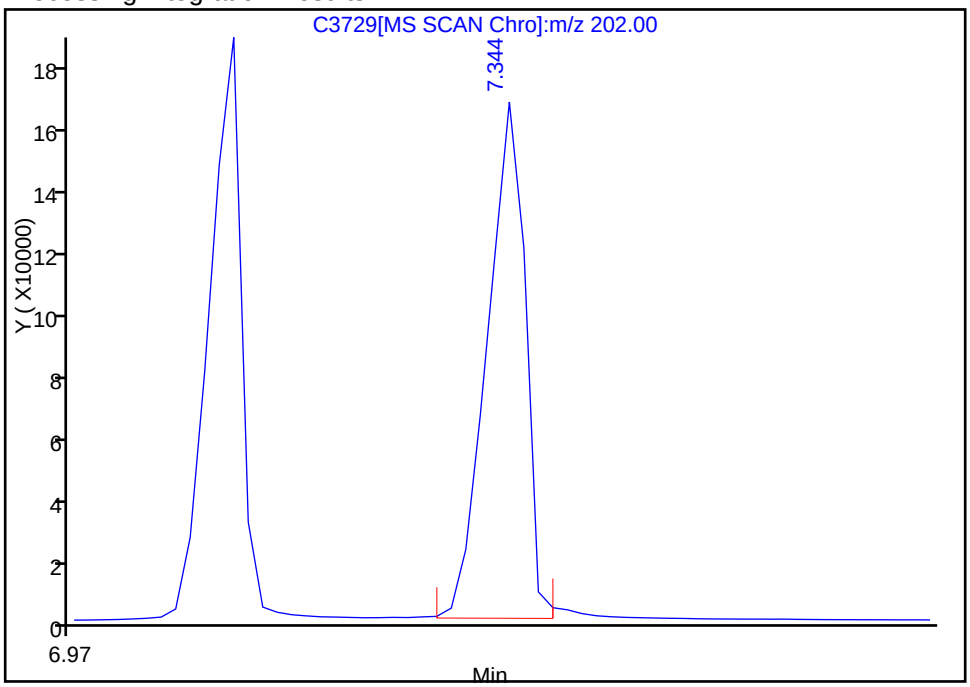
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

97 Pyrene, Signal: 1, m/z: 202.0 Type: quant, RT: 7.32

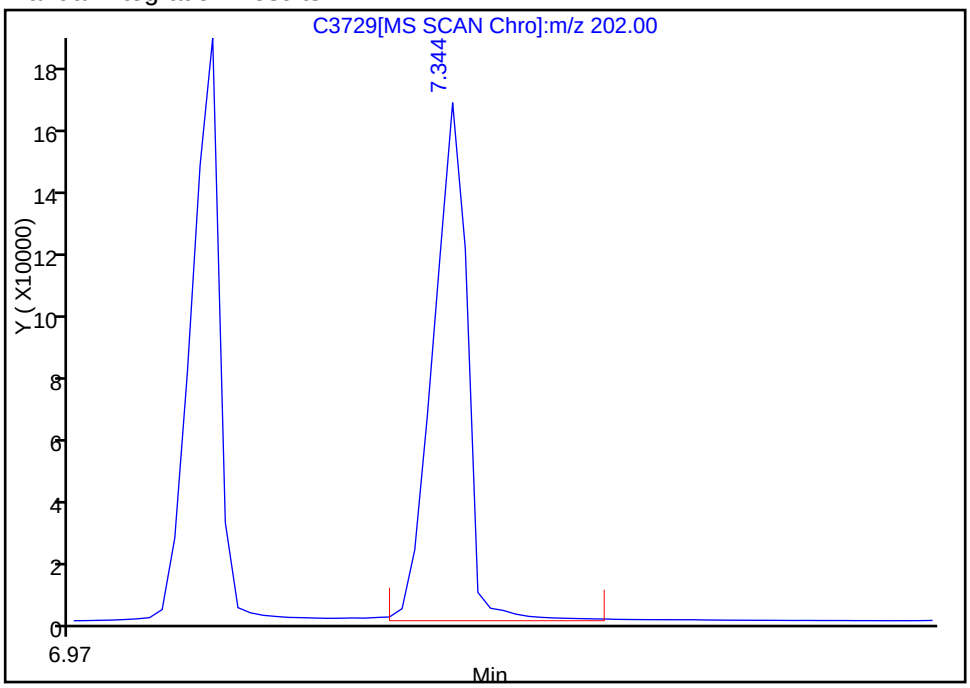
Processing Integration Results

RT: 7.34
Response: 372996
Amount: 76.504800



Manual Integration Results

RT: 7.34
Response: 385491
Amount: 78.752278



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

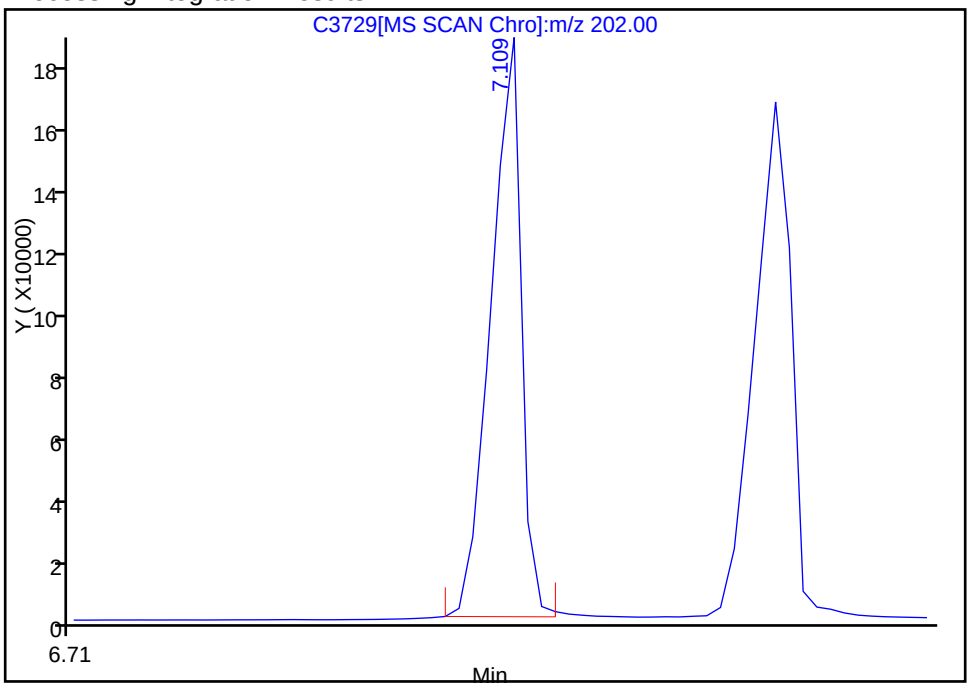
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 7.09

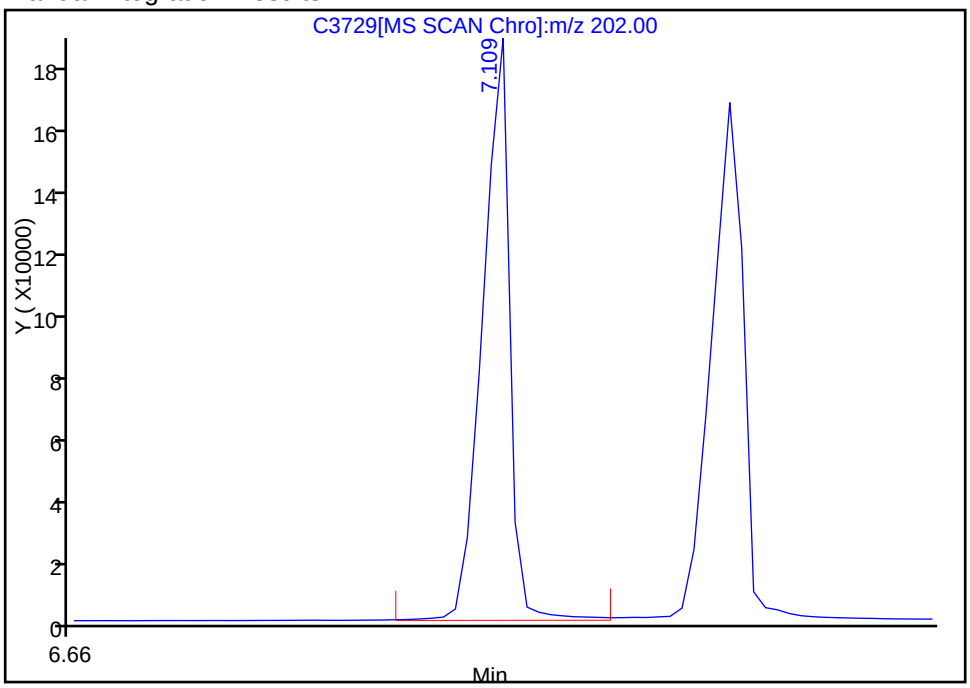
Processing Integration Results

RT: 7.11
Response: 350789
Amount: 68.262086



Manual Integration Results

RT: 7.11
Response: 363882
Amount: 70.529152



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Baseline

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

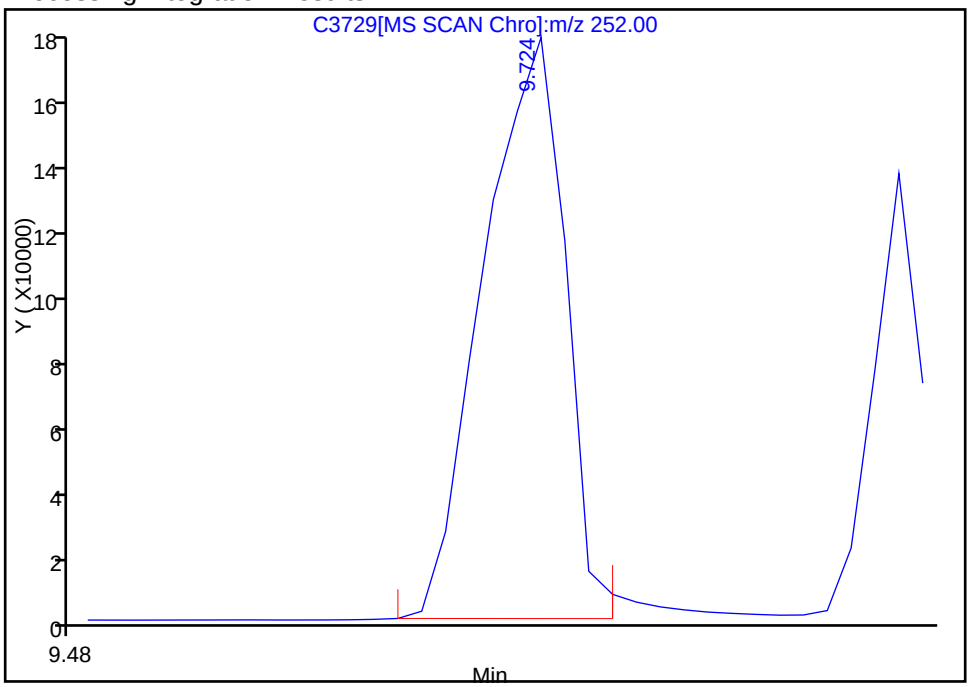
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.69

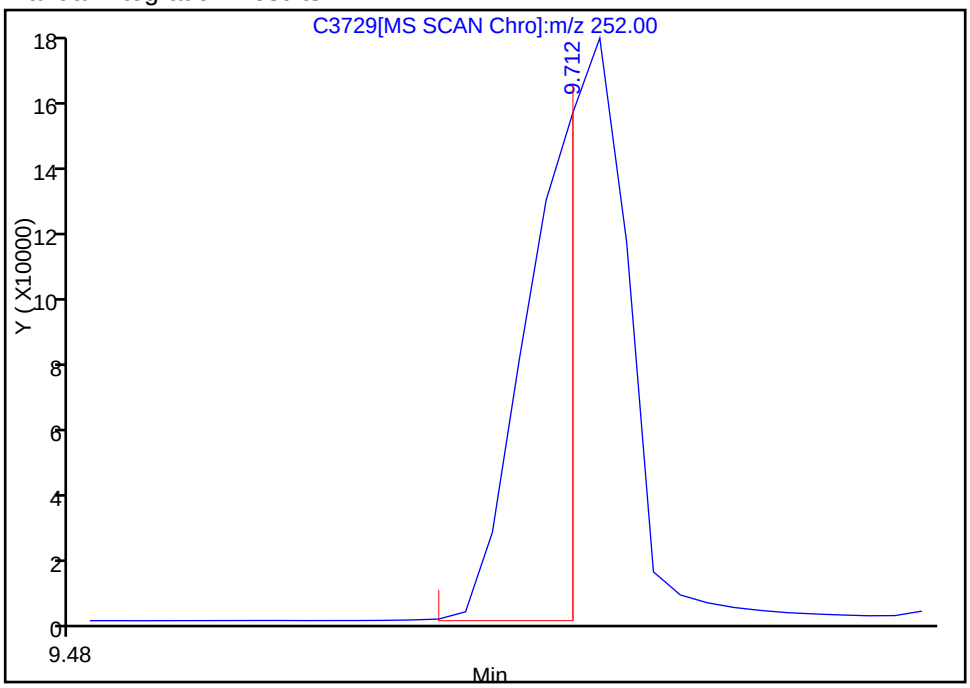
Processing Integration Results

RT: 9.72
Response: 502447
Amount: 80.133313



Manual Integration Results

RT: 9.71
Response: 280399
Amount: 76.300712



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

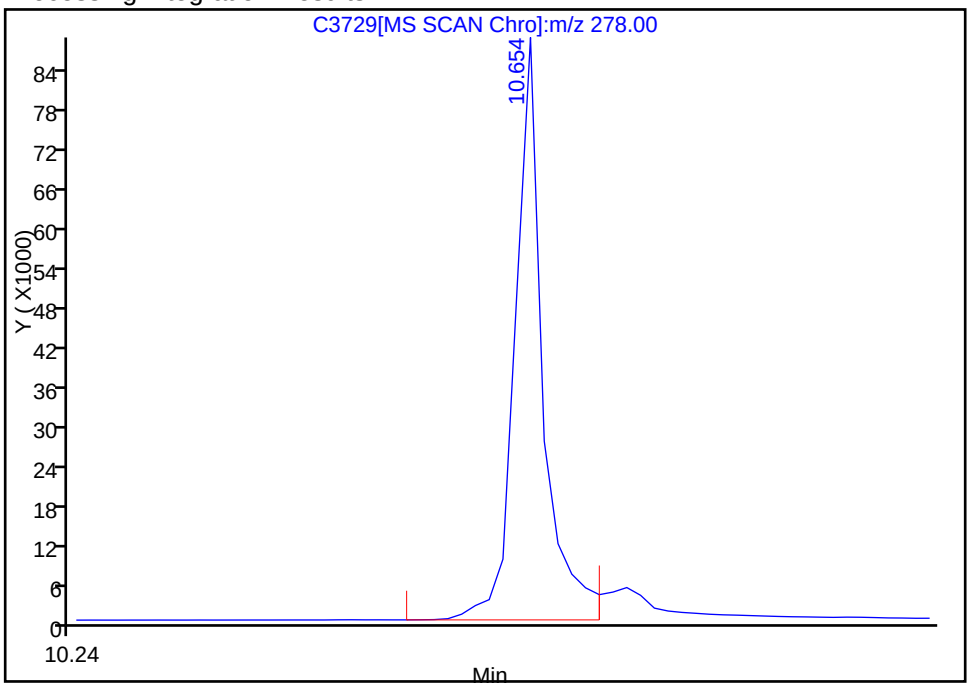
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 10.63

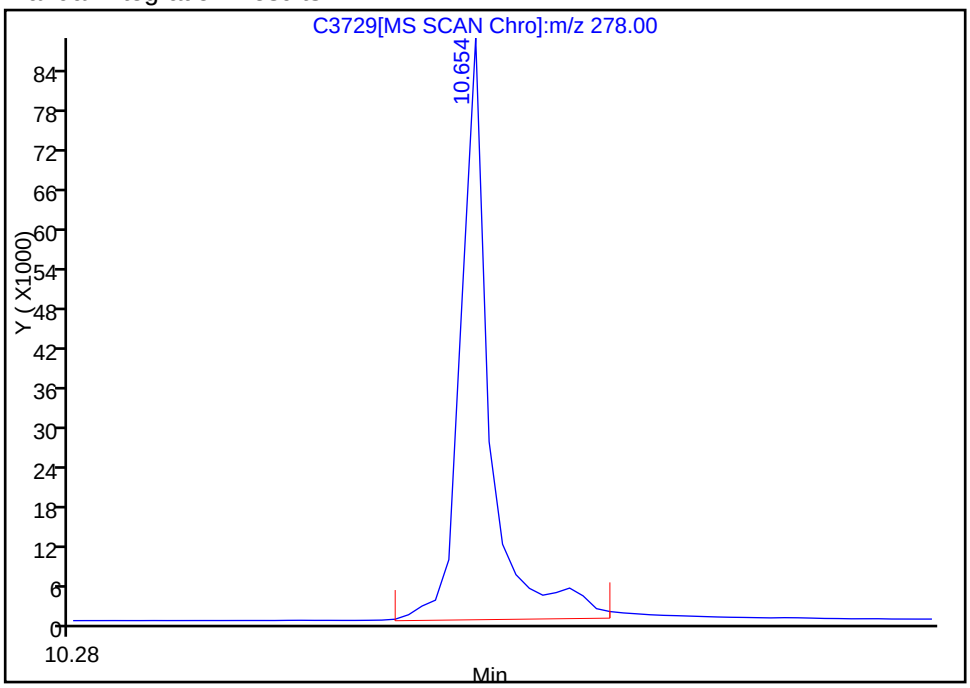
Processing Integration Results

RT: 10.65
Response: 153869
Amount: 78.270170



Manual Integration Results

RT: 10.65
Response: 163789
Amount: 79.335688



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 08-Mar-2011 10:08:52 Chrom Revision: 1.2 29-Oct-2010 14:13:24

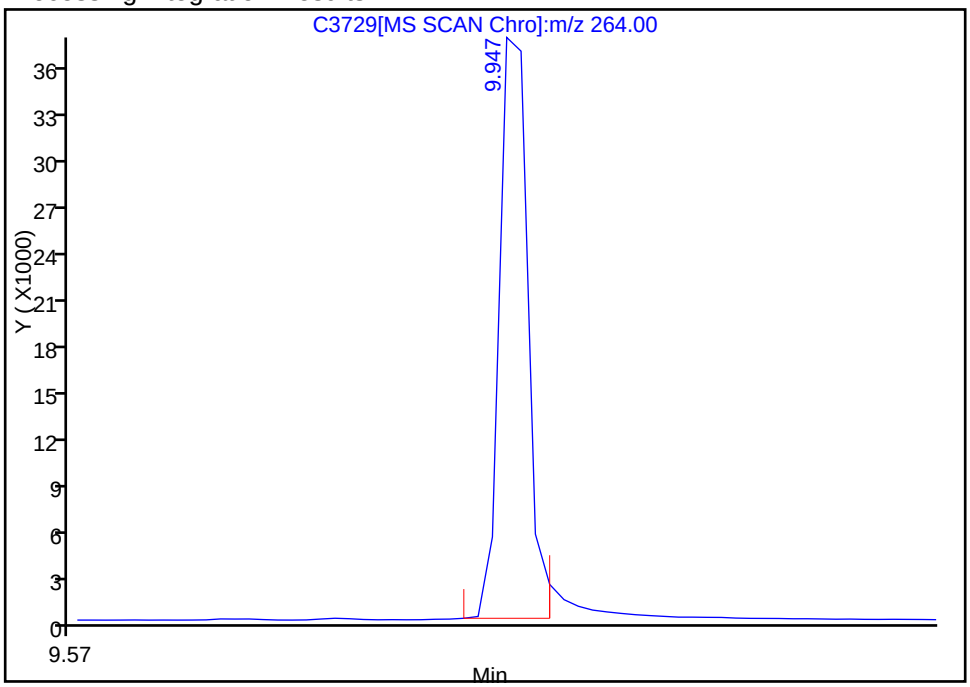
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.D		
Injection Date:	07-Mar-2011 14:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	Lims Sample ID:	10
Operator ID:	wds	Injection Vol:	1.00 ul

* 109 Perylene-d12, Signal: 1, m/z: 264.0 Type: quant, RT: 9.94

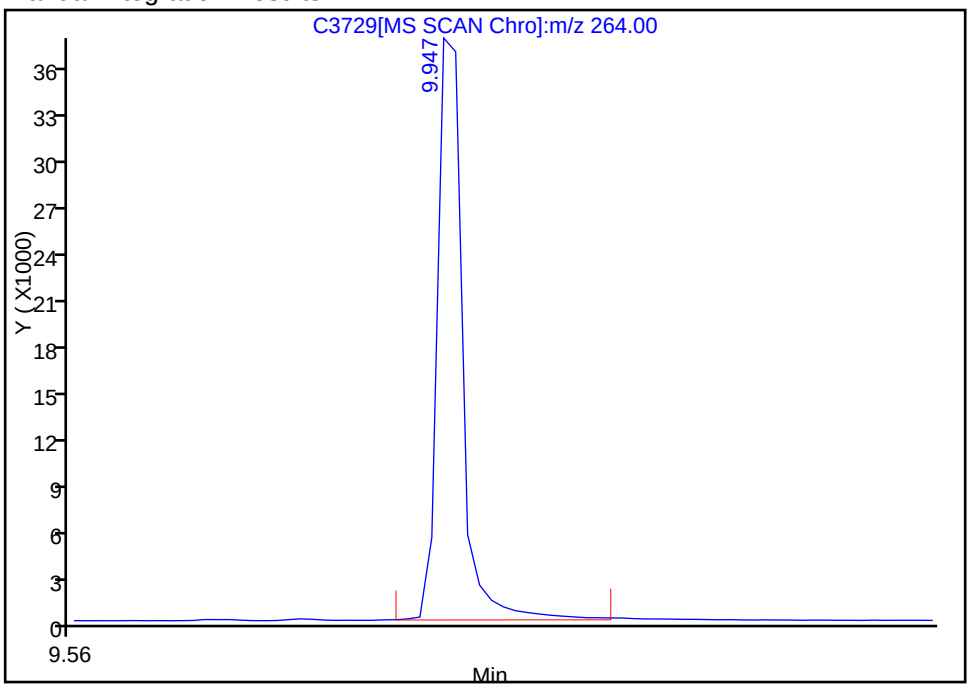
Processing Integration Results

RT: 9.95
Response: 63853
Amount: 40.000000



Manual Integration Results

RT: 9.95
Response: 67673
Amount: 40.000000



Reviewer: squiresb, 07-Mar-2011 14:31:53
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: SSTD020 510-77268/3 Calibration Date: 03/11/2011 14:07

Instrument ID: SMSB Calib Start Date: 03/07/2011 12:07

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 03/07/2011 14:14

Lab File ID: C3802.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.164	1.182	0.0500	20.3	20.0	1.6	20.0
2-Methylnaphthalene	Ave	0.7203	0.7613	0.0500	21.1	20.0	5.7	20.0
Acenaphthylene	Ave	2.109	1.999	0.0500	19.0	20.0	-5.2	20.0
Acenaphthene	Qua		1.085	0.0500	20.7	20.0	3.7	20.0
Fluorene	Ave	1.355	1.278	0.0500	18.9	20.0	-5.6	20.0
Phenanthrene	Ave	1.300	1.206	0.0500	18.6	20.0	-7.2	20.0
Anthracene	Ave	1.357	1.356	0.0500	20.0	20.0	-0.0	20.0
Fluoranthene	Ave	1.149	1.145	0.0500	19.9	20.0	-0.4	20.0
Pyrene	Ave	1.930	1.900	0.0500	19.7	20.0	-1.5	20.0
Benzo[a]anthracene	Ave	1.544	1.339	0.0500	17.3	20.0	-13.3	20.0
Chrysene	Ave	1.597	1.655	0.0500	20.7	20.0	3.6	20.0
Benzo[b]fluoranthene	Lin2		2.155	0.0500	20.0	20.0	-0.1	20.0
Benzo[k]fluoranthene	Ave	2.962	2.904	0.0500	19.6	20.0	-2.0	20.0
Benzo[a]pyrene	Ave	1.823	1.874	0.0500	20.6	20.0	2.8	20.0
Indeno[1,2,3-cd]pyrene	Lin		1.753	0.0500	24.6	20.0	22.8*	20.0
Dibenz(a,h)anthracene	Lin		1.473	0.0500	24.3	20.0	21.3*	20.0
Benzo[g,h,i]perylene	Ave	1.290	1.690	0.0500	26.2	20.0	31.0*	20.0
Nitrobenzene-d5	Ave	0.3857	0.4014	0.0500	20.8	20.0	4.1	
2-Fluorobiphenyl	Qua		1.686	0.0500	19.1	20.0	-4.7	
Terphenyl-d14	Ave	0.9516	0.9712	0.0500	20.4	20.0	2.1	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D
Lims ID: sstd020 Client ID:
Inject. Date: 11-Mar-2011 14:07:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS 020
Misc. Info.: 510-0004521-003 =510-0004521-003
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 77268 Lims Sample ID: 3
Sublist:
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m
Last Update: 14-Mar-2011 10:04:32 Calib Date: 07-Mar-2011 14:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 10:04:32

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									M
82	0.820	0.820	0.000	0	42656	20.8	70.0- 130.0	100.0	M
128	0.0	0.820	-0.820		0		1742.7-1802.7		
54	0.0	0.820	-0.820		0		201.8- 261.8		
* 57 Naphthalene-d8									
136	1.541	1.541	0.000	40	212521	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.562	1.562	0.000	68	125641	20.3	70.0- 130.0	100.0	
129	1.562	1.562	0.000		13365		0.0- 40.6	10.6	
127	1.562	1.562	0.000		15371		0.0- 42.2	12.2	
62 2-Methylnaphthalene									
142	2.562	2.562	0.000	60	80891	21.1	70.0- 130.0	100.0	
141	2.562	2.562	0.000		68372		54.5- 114.5	84.5	
115	2.562	2.562	0.000		28435		5.2- 65.2	35.2	
$ 66 2-Fluorobiphenyl									
172	3.164	3.164	0.000	44	95793	19.1			
71 Acenaphthylene									
152	3.626	3.626	0.000	76	113549	19.0	70.0- 130.0	100.0	
151	3.626	3.626	0.000		21760		0.0- 49.2	19.2	
* 73 Acenaphthene-d10									
164	3.831	3.831	0.000	16	113626	40.0	70.0- 130.0	100.0	
162	3.831	3.831	0.000		92071		51.0- 111.0	81.0	
74 Acenaphthene									
154	3.863	3.863	0.000	56	61623	20.7	70.0- 130.0	100.0	
152	3.863	3.863	0.000		31343		20.9- 80.9	50.9	
153	3.863	3.863	0.000		64003		73.9- 133.9	103.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	4.444	4.444	0.000	68	72627	18.9	70.0- 130.0	100.0	
165	4.444	4.444	0.000		66324		61.3- 121.3	91.3	
* 90 Phenanthrene-d10									
188	5.458	5.458	0.000	4	133775	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.470	5.470	0.000	9	80663	18.6	70.0- 130.0	100.0	
179	5.470	5.470	0.000		12511		0.0- 45.5	15.5	
92 Anthracene									M
178	5.520	5.520	0.000	39	90727	20.0	70.0- 130.0	100.0	M
179	5.470	5.520	-0.050		12511		0.0- 43.8	13.8	
95 Fluoranthene									M
202	6.772	6.772	0.000	59	76571	19.9	70.0- 130.0	100.0	M
101	6.970	6.772	0.198		14782		0.0- 49.3	19.3	
203	6.982	6.772	0.210		13327		0.0- 47.4	17.4	
97 Pyrene									
202	6.982	6.982	0.000	59	75665	19.7	70.0- 130.0	100.0	
101	6.970	6.982	-0.012		14782		0.0- 49.5	19.5	
$ 98 Terphenyl-d14									
244	7.429	7.429	0.000	44	38671	20.4	70.0- 130.0	100.0	
122	7.429	7.429	0.000		9008		0.0- 53.3	23.3	
101 Benzo[a]anthracene									
228	8.519	8.519	0.000	61	53306	17.3	70.0- 130.0	100.0	
229	8.519	8.519	0.000		10706		0.0- 50.1	20.1	
226	8.519	8.519	0.000		15970		0.0- 60.0	30.0	
* 103 Chrysene-d12									
240	8.532	8.532	0.000	12	79633	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.556	8.556	0.000	52	65888	20.7	70.0- 130.0	100.0	
226	8.556	8.556	0.000		20388		0.9- 60.9	30.9	
229	8.556	8.556	0.000		14148		0.0- 51.5	21.5	
106 Benzo[b]fluoranthene									M
252	9.436	9.436	0.000	31	60133	20.0	70.0- 130.0	100.0	M
253	9.449	9.436	0.013		24566		10.9- 70.9	40.9	
107 Benzo[k]fluoranthene									M
252	9.449	9.449	0.000	33	81012	19.6	70.0- 130.0	100.0	M
253	9.449	9.449	0.000		24566		0.3- 60.3	30.3	
108 Benzo[a]pyrene									M
252	9.635	9.635	0.000	22	52272	20.6	70.0- 130.0	100.0	M
253	9.449	9.635	-0.186		24566		17.0- 77.0	47.0	
* 109 Perylene-d12									
264	9.684	9.684	0.000	25	55800	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.341	10.341	0.000	16	48910	24.6	70.0- 130.0	100.0	M
138	10.329	10.341	-0.012		12998		0.0- 56.6	26.6	
111 Dibenz(a,h)anthracene									M
278	10.391	10.391	0.000	5	41086	24.3	70.0- 130.0	100.0	M
139	10.378	10.391	-0.013		10871		0.0- 56.5	26.5	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									M
276	10.465	10.465	0.000	1	47149	26.2	70.0- 130.0	100.0	M
138	10.378	10.465	-0.087		10853		0.0- 53.0	23.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D

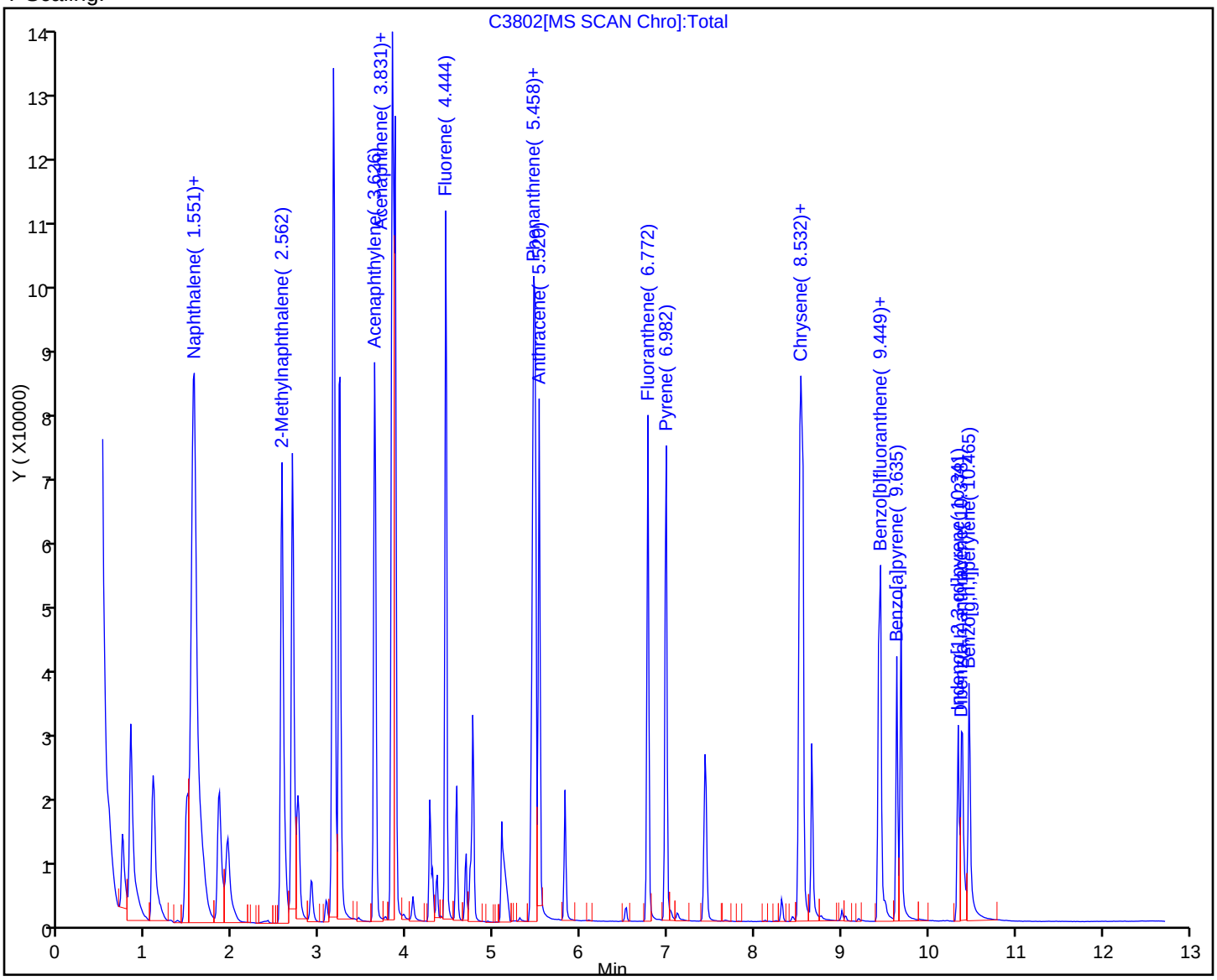
Injection Date: 11-Mar-2011 14:07:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 3

Operator ID: wds Injection Vol: 1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

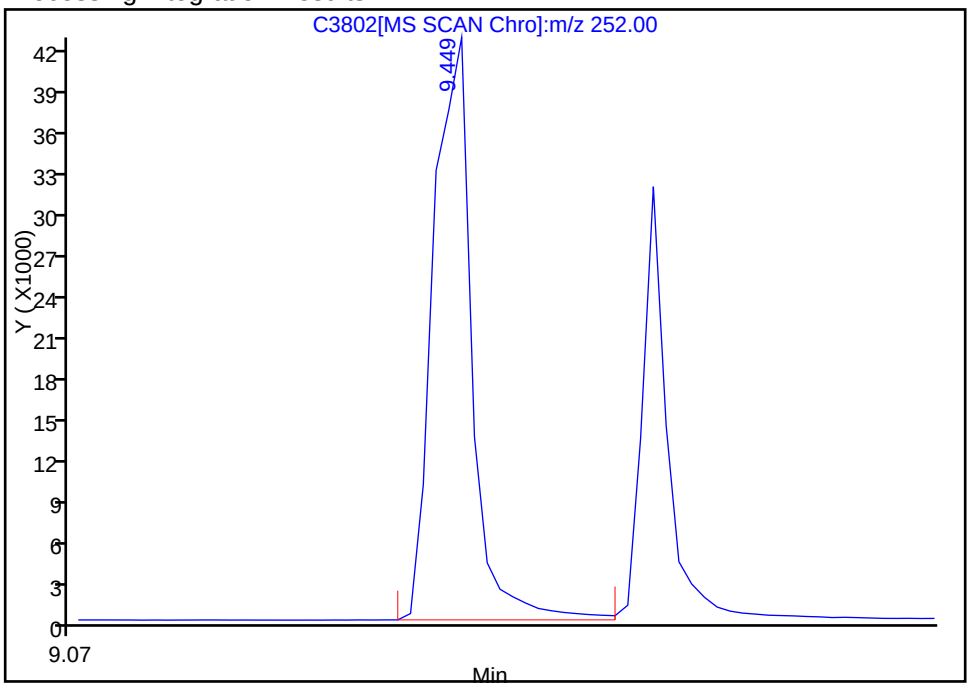
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.44

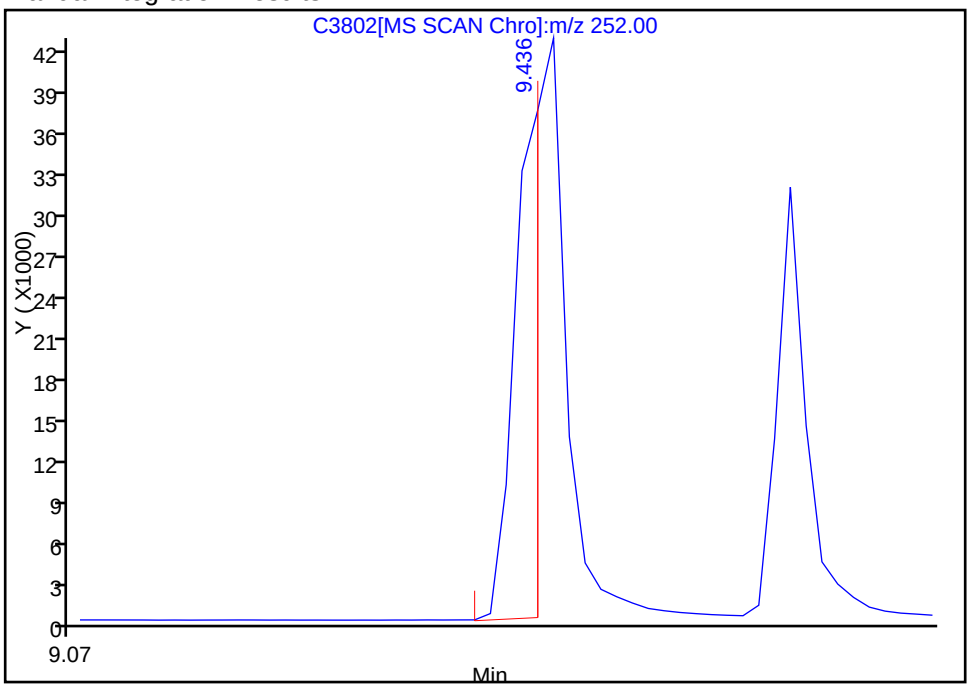
Processing Integration Results

RT: 9.45
Response: 111903
Amount: 37.023489



Manual Integration Results

RT: 9.44
Response: 60133
Amount: 19.979350



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

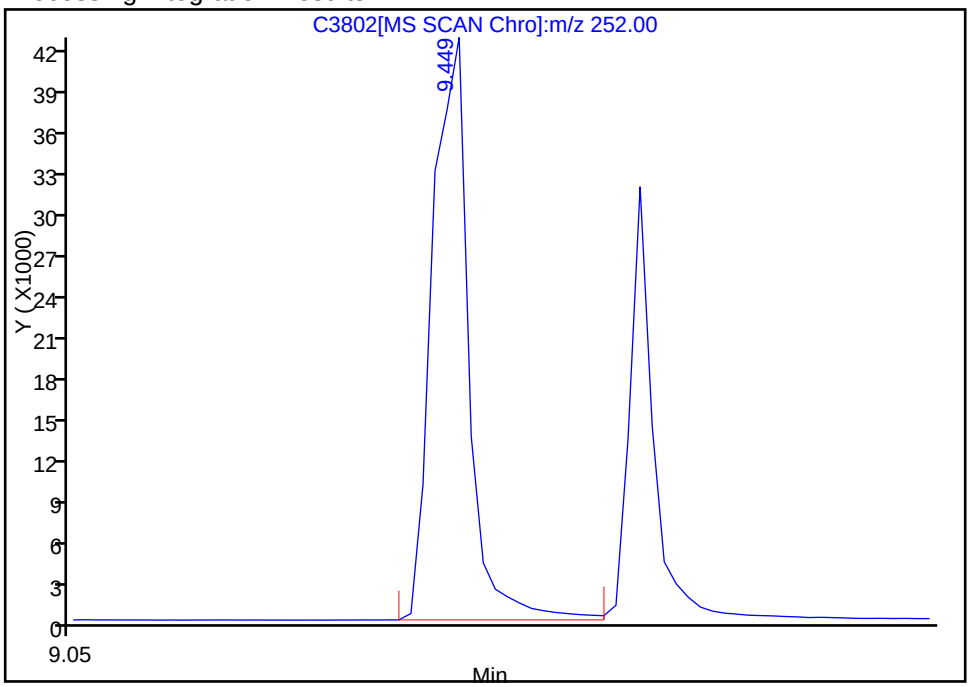
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.63

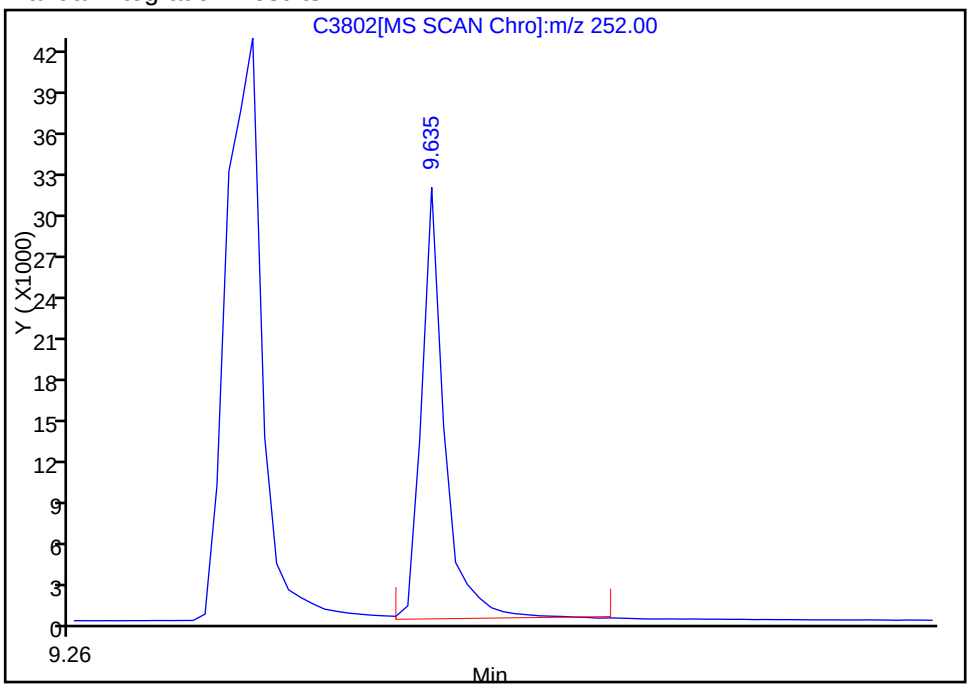
Processing Integration Results

RT: 9.45
Response: 111903
Amount: 43.995578



Manual Integration Results

RT: 9.63
Response: 52272
Amount: 20.551163



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

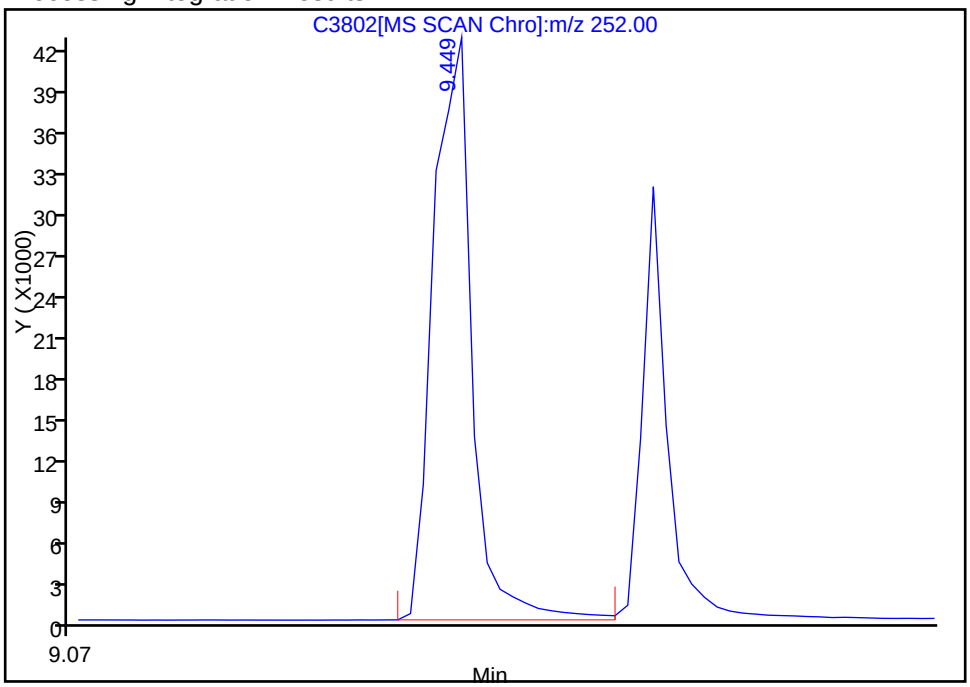
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.45

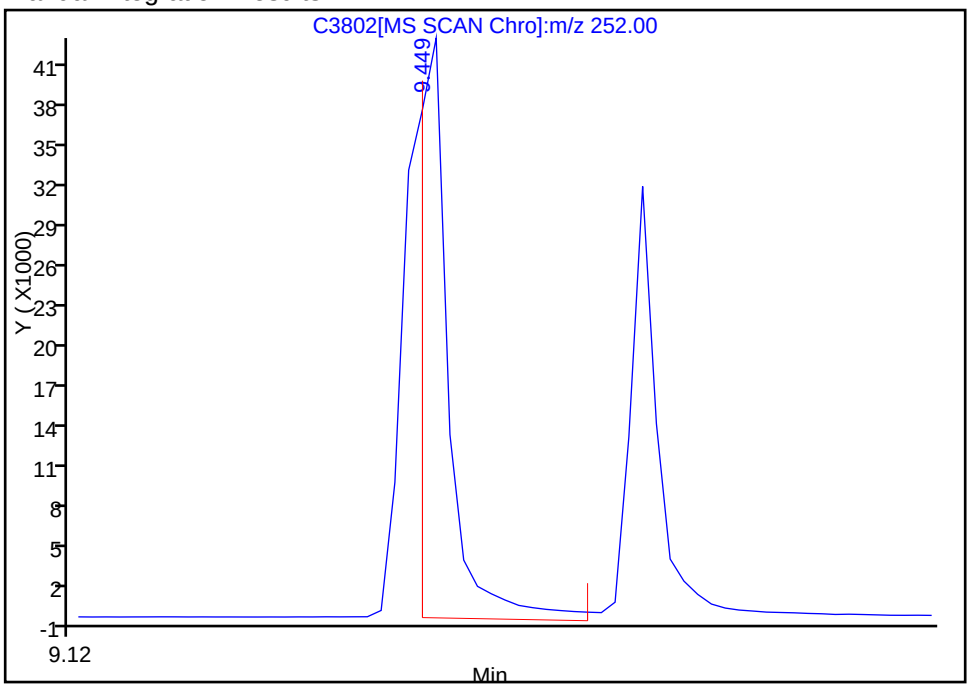
Processing Integration Results

RT: 9.45
Response: 111903
Amount: 27.078886



Manual Integration Results

RT: 9.45
Response: 81012
Amount: 19.603716



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

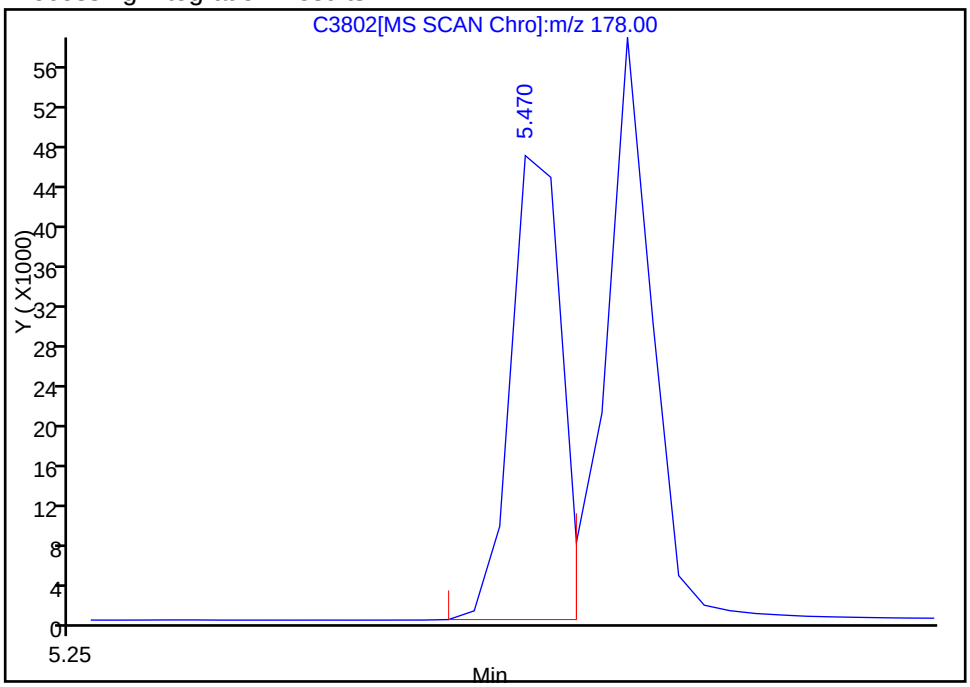
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

92 Anthracene, Signal: 1, m/z: 178.0 Type: quant, RT: 5.52

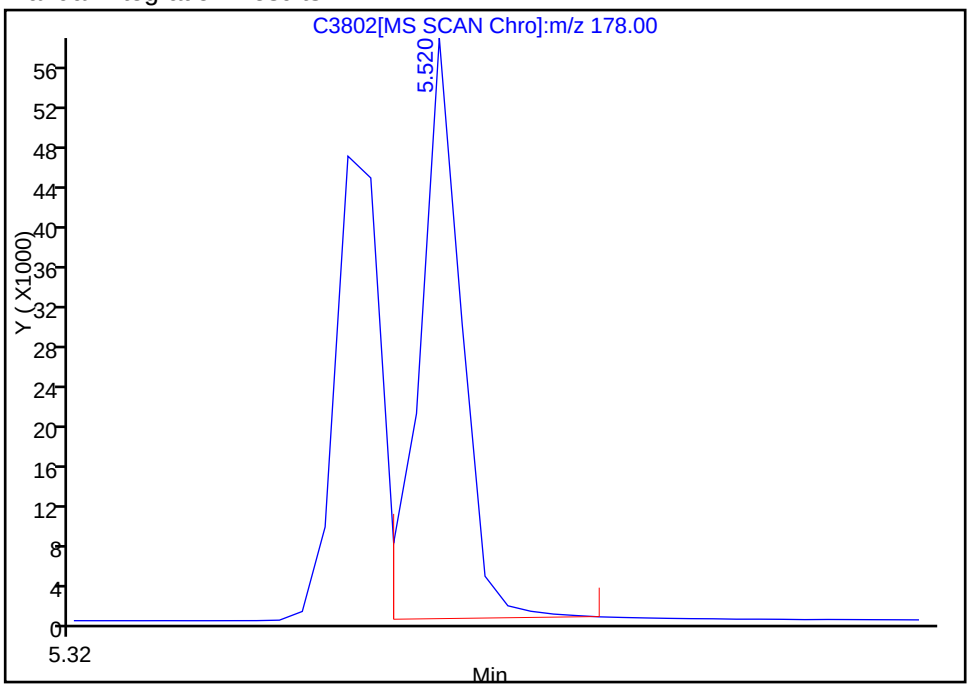
Processing Integration Results

RT: 5.47
Response: 80663
Amount: 17.775012



Manual Integration Results

RT: 5.52
Response: 90727
Amount: 19.992729



Reviewer: squiresb, 11-Mar-2011 16:19:51
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

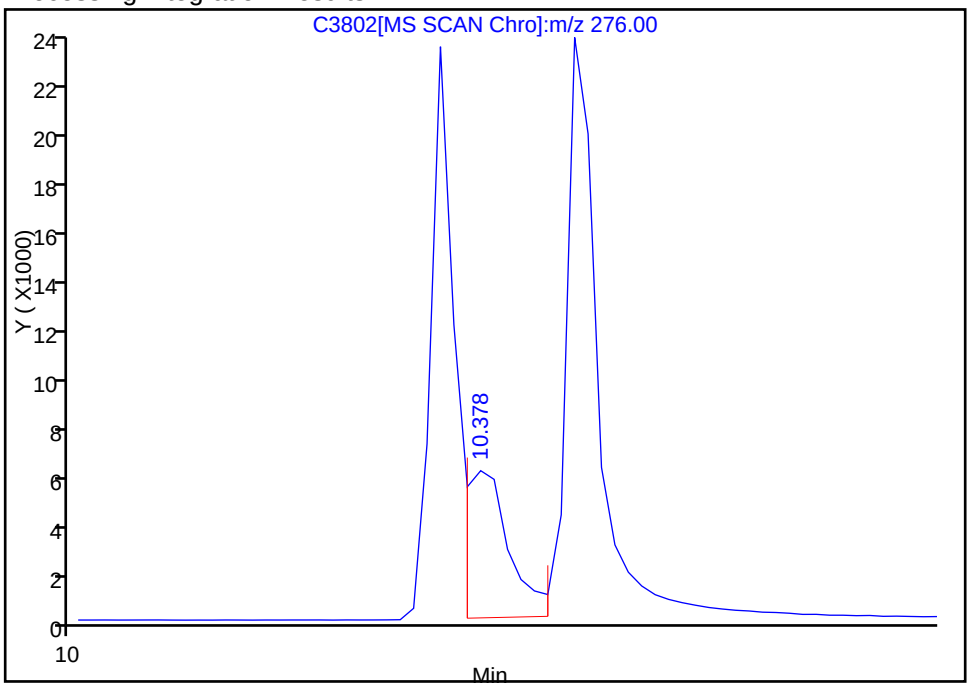
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	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: 10.47

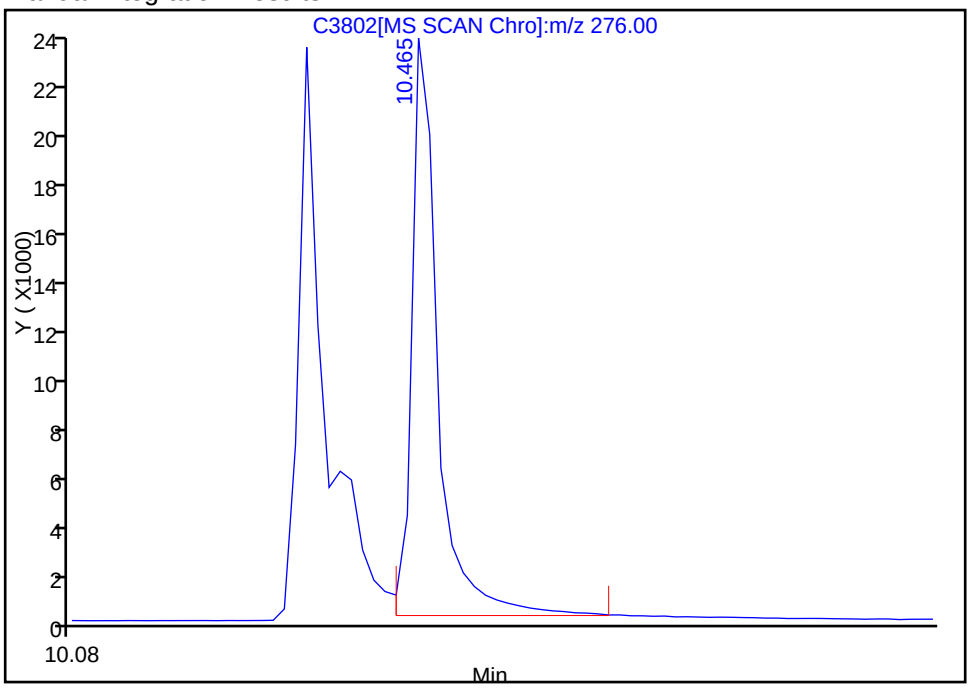
Processing Integration Results

RT: 10.38
Response: 17257
Amount: 9.588911



Manual Integration Results

RT: 10.47
Response: 47149
Amount: 26.198504



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

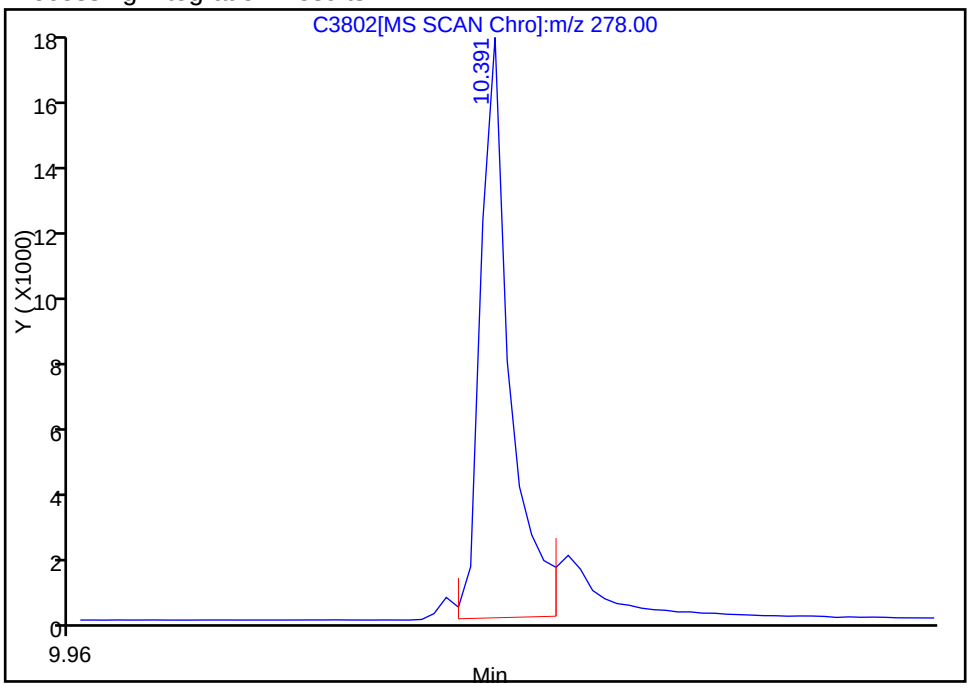
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	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: 10.39

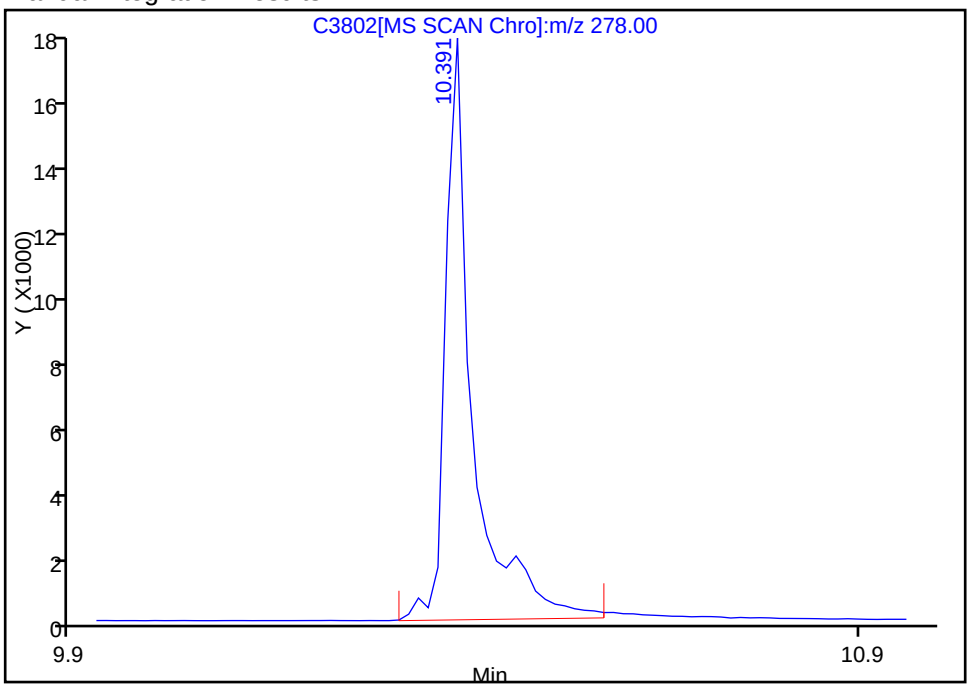
Processing Integration Results

RT: 10.39
Response: 35384
Amount: 20.911757



Manual Integration Results

RT: 10.39
Response: 41086
Amount: 24.254160



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

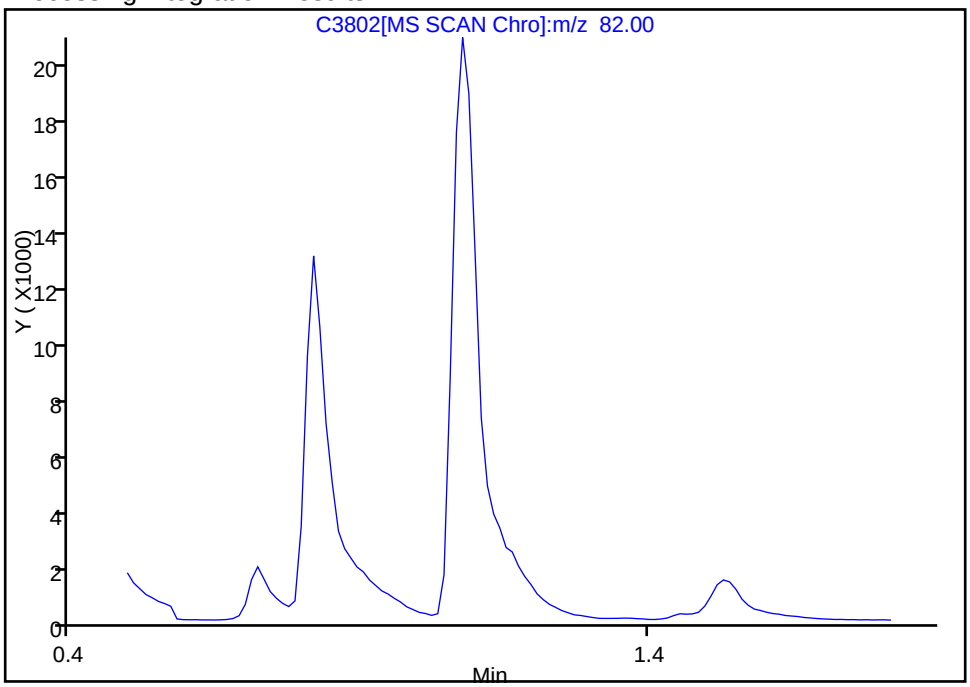
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

$ 49 Nitrobenzene-d5, Signal: 1, m/z: 82.0 Type: quant, RT: 0.82

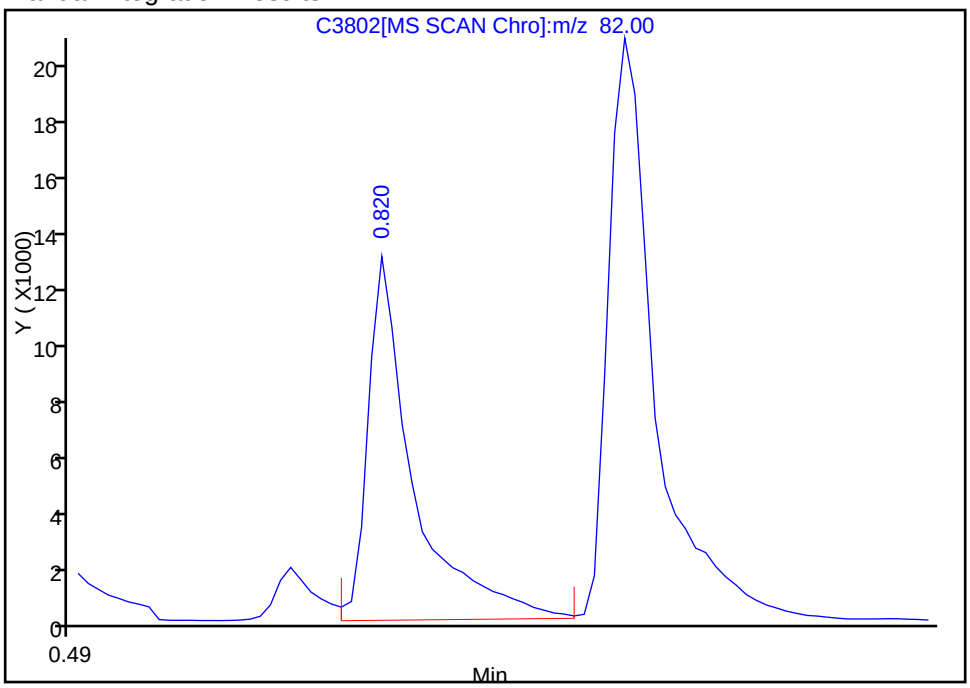
Processing Integration Results

Not Detected
Expected RT: 0.82



Manual Integration Results

RT: 0.82
Response: 42656
Amount: 20.814127



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

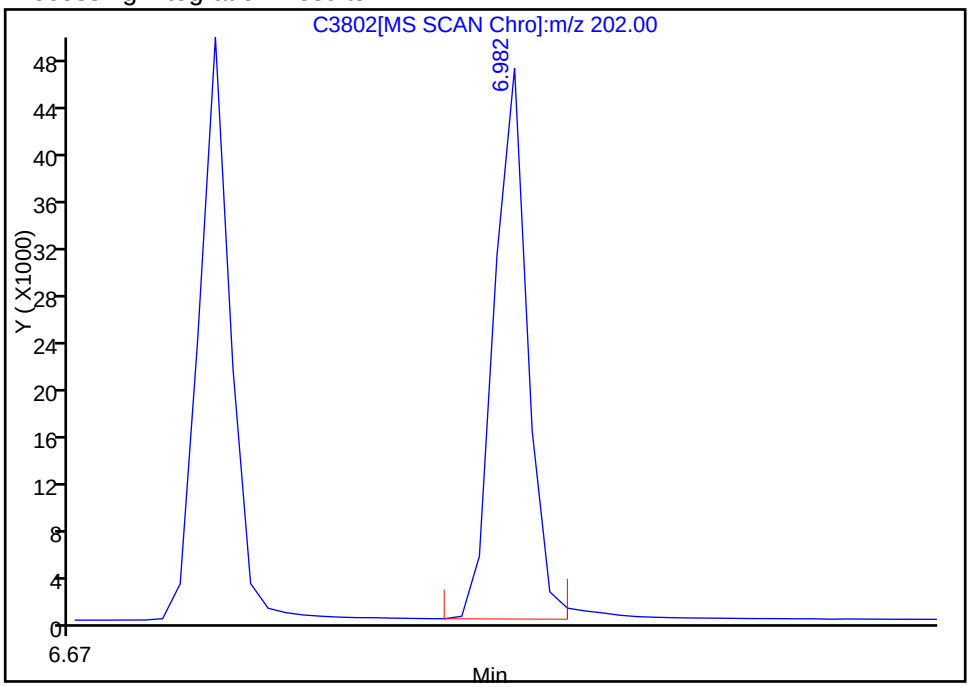
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

95 Fluoranthene, Signal: 1, m/z: 202.0 Type: quant, RT: 6.77

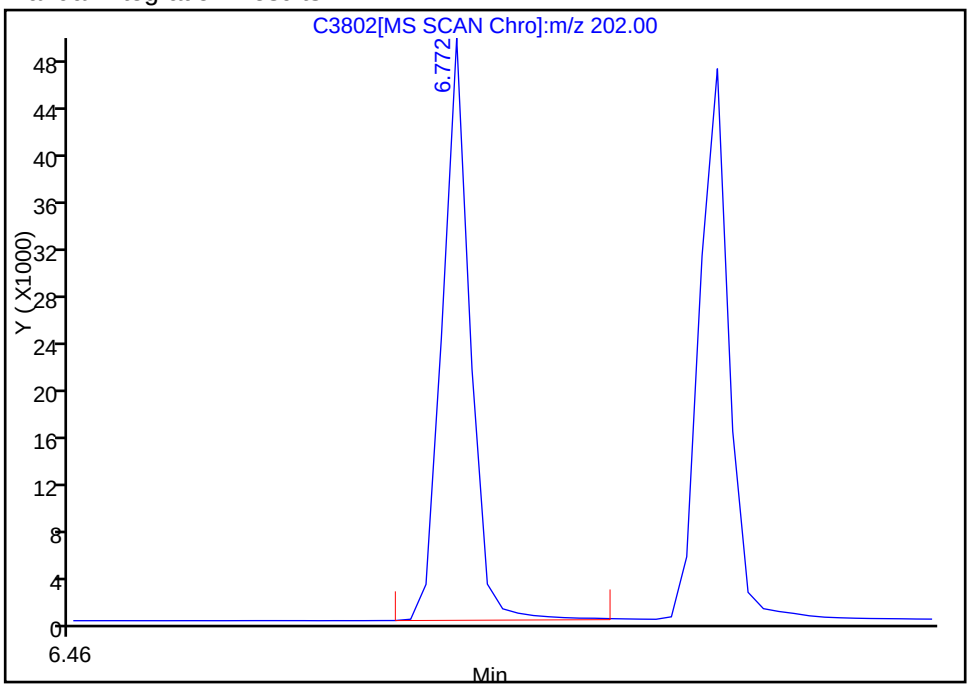
Processing Integration Results

RT: 6.98
Response: 75665
Amount: 19.685983



Manual Integration Results

RT: 6.77
Response: 76571
Amount: 19.921700



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 10:04:32 Chrom Revision: 1.2 29-Oct-2010 14:13:24

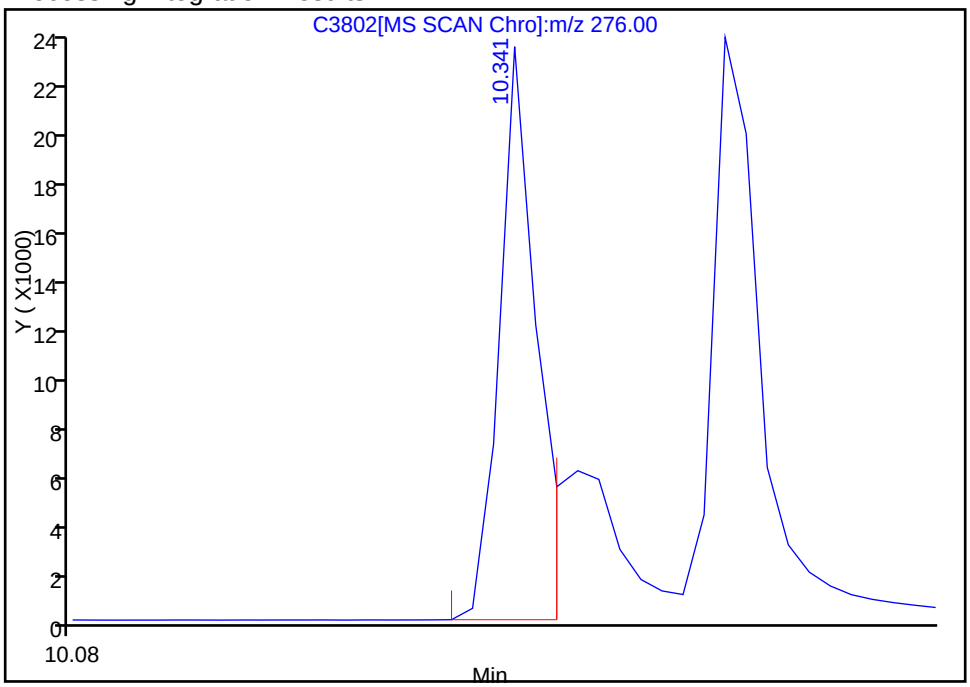
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3802.D		
Injection Date:	11-Mar-2011 14:07:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.34

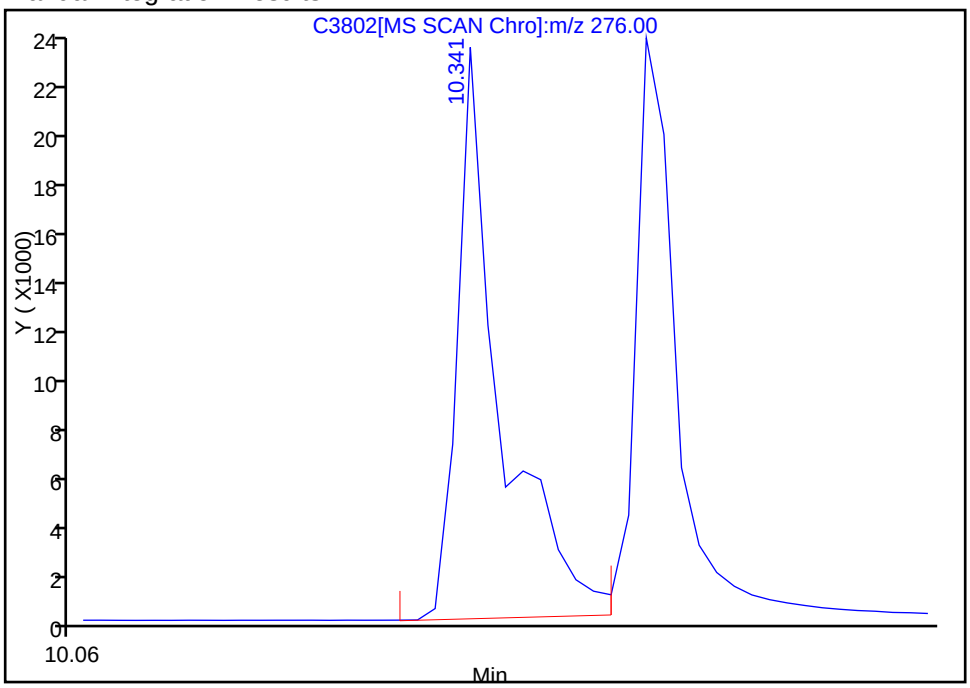
Processing Integration Results

RT: 10.34
Response: 36001
Amount: 18.155913



Manual Integration Results

RT: 10.34
Response: 48910
Amount: 24.557116



Reviewer: squiresb, 11-Mar-2011 14:22:58
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: SSTD020 510-77355/3 Calibration Date: 03/14/2011 13:21

Instrument ID: SMSB Calib Start Date: 03/07/2011 12:07

GC Column: 8270/625 ID: 0.25(mm) Calib End Date: 03/07/2011 14:14

Lab File ID: C3822.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.164	1.159	0.0500	19.9	20.0	-0.4	20.0
2-Methylnaphthalene	Ave	0.7203	0.7166	0.0500	19.9	20.0	-0.5	20.0
Acenaphthylene	Ave	2.109	2.058	0.0500	19.5	20.0	-2.4	20.0
Acenaphthene	Qua		1.072	0.0500	20.5	20.0	2.3	20.0
Fluorene	Ave	1.355	1.314	0.0500	19.4	20.0	-3.0	20.0
Phenanthrene	Ave	1.300	1.178	0.0500	18.1	20.0	-9.3	20.0
Anthracene	Ave	1.357	1.455	0.0500	21.4	20.0	7.2	20.0
Fluoranthene	Ave	1.149	1.119	0.0500	19.5	20.0	-2.6	20.0
Pyrene	Ave	1.930	1.979	0.0500	20.5	20.0	2.5	20.0
Benzo[a]anthracene	Ave	1.544	1.535	0.0500	19.9	20.0	-0.6	20.0
Chrysene	Ave	1.597	1.549	0.0500	19.4	20.0	-3.0	20.0
Benzo[b]fluoranthene	Lin2		4.134	0.0500	38.2	20.0	90.8*	20.0
Benzo[k]fluoranthene	Ave	2.962	4.134	0.0500	27.9	20.0	39.5*	20.0
Benzo[a]pyrene	Ave	1.823	1.936	0.0500	21.2	20.0	6.2	20.0
Indeno[1,2,3-cd]pyrene	Lin		1.327	0.0500	18.7	20.0	-6.7	20.0
Dibenz(a,h)anthracene	Lin		1.154	0.0500	19.0	20.0	-4.8	20.0
Benzo[g,h,i]perylene	Ave	1.290	1.340	0.0500	20.8	20.0	3.8	20.0
Nitrobenzene-d5	Ave	0.3857	0.4190	0.0500	21.7	20.0	8.6	
2-Fluorobiphenyl	Qua		1.773	0.0500	20.2	20.0	0.8	
Terphenyl-d14	Ave	0.9516	0.9635	0.0500	20.3	20.0	1.3	

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3822.D
Lims ID: sstd020 Client ID:
Inject. Date: 14-Mar-2011 13:21:30 Dil. Factor: 1.0000
Sample Type: CCVIS
Sample ID: CCVIS 020
Misc. Info.: 510-0004534-003 =510-0004534-003
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 3
Lims Batch ID: 77355 Lims Sample ID: 3
Sublist: chrom-SIM-PNAB*sub11
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110314-4534.b\SIM-PNAB.m
Last Update: 14-Mar-2011 15:23:07 Calib Date: 07-Mar-2011 14:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 15:23:07

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.825	0.825	0.000	32	51678	21.7	70.0- 130.0	100.0	
128	0.825	0.825	0.000		31232		30.4- 90.4	60.4	
54	0.825	0.825	0.000		29211		26.5- 86.5	56.5	
* 57 Naphthalene-d8									
136	1.535	1.535	0.000	40	246702	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.556	1.556	0.000	68	142950	19.9	70.0- 130.0	100.0	
129	1.556	1.556	0.000		15325		0.0- 40.7	10.7	
127	1.556	1.556	0.000		17646		0.0- 42.3	12.3	
62 2-Methylnaphthalene									
142	2.556	2.556	0.000	59	88388	19.9	70.0- 130.0	100.0	
141	2.556	2.556	0.000		74388		54.2- 114.2	84.2	
115	2.556	2.556	0.000		31418		5.5- 65.5	35.5	
$ 66 2-Fluorobiphenyl									
172	3.158	3.158	0.000	44	103789	20.2			
71 Acenaphthylene									
152	3.631	3.631	0.000	76	120471	19.5	70.0- 130.0	100.0	
151	3.631	3.631	0.000		23091		0.0- 49.2	19.2	
* 73 Acenaphthene-d10									
164	3.836	3.836	0.000	16	117068	40.0	70.0- 130.0	100.0	
162	3.836	3.836	0.000		96717		52.6- 112.6	82.6	
74 Acenaphthene									
154	3.868	3.868	0.000	56	62749	20.5	70.0- 130.0	100.0	
152	3.868	3.868	0.000		31788		20.7- 80.7	50.7	
153	3.868	3.868	0.000		64505		72.8- 132.8	102.8	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	4.448	4.448	0.000	68	76939	19.4	70.0- 130.0	100.0	
165	4.448	4.448	0.000		71665		63.1- 123.1	93.1	
* 90 Phenanthrene-d10									
188	5.457	5.457	0.000	4	138870	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.482	5.482	0.000	9	81821	18.1	70.0- 130.0	100.0	
179	5.482	5.482	0.000		12744		0.0- 45.6	15.6	
92 Anthracene									
178	5.519	5.519	0.000	1	101016	21.4	70.0- 130.0	100.0	
179	5.519	5.519	0.000		15601		0.0- 45.4	15.4	
95 Fluoranthene									
202	6.771	6.771	0.000	59	77726	19.5	70.0- 130.0	100.0	
101	6.771	6.771	0.000		13358		0.0- 47.2	17.2	
203	6.771	6.771	0.000		13671		0.0- 47.6	17.6	
97 Pyrene									
202	6.982	6.982	0.000	61	79058	20.5	70.0- 130.0	100.0	
101	6.982	6.982	0.000		15662		0.0- 49.8	19.8	
$ 98 Terphenyl-d14									
244	7.440	7.440	0.000	45	38498	20.3	70.0- 130.0	100.0	
122	7.428	7.440	-0.012		8886		0.0- 53.1	23.1	
101 Benzo[a]anthracene									
228	8.519	8.519	0.000	61	61331	19.9	70.0- 130.0	100.0	
229	8.519	8.519	0.000		12583		0.0- 50.5	20.5	
226	8.519	8.519	0.000		18707		0.5- 60.5	30.5	
* 103 Chrysene-d12									
240	8.543	8.543	0.000	13	79912	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.556	8.556	0.000	50	61903	19.4	70.0- 130.0	100.0	
226	8.556	8.556	0.000		19119		0.9- 60.9	30.9	
229	8.556	8.556	0.000		13671		0.0- 52.1	22.1	
106 Benzo[b]fluoranthene									
252	9.448	9.448	0.000	31	98434	38.2	70.0- 130.0	100.0	
253	9.448	9.448	0.000		22019		0.0- 52.4	22.4	
107 Benzo[k]fluoranthene									
252	9.448	9.448	0.000	33	98434	27.9	70.0- 130.0	100.0	
253	9.448	9.448	0.000		22019		0.0- 52.4	22.4	
108 Benzo[a]pyrene									
252	9.646	9.646	0.000	22	46093	21.2	70.0- 130.0	100.0	
253	9.646	9.646	0.000		10107		0.0- 51.9	21.9	
* 109 Perylene-d12									M
264	9.684	9.684	0.000	0	47626	40.0	70.0- 130.0	100.0	M
110 Indeno[1,2,3-cd]pyrene									
276	10.353	10.353	0.000	17	31594	18.7	70.0- 130.0	100.0	
138	10.341	10.353	-0.012		8470		0.0- 56.8	26.8	
111 Dibenz(a,h)anthracene									M
278	10.390	10.390	0.000	7	27469	19.0	70.0- 130.0	100.0	M
139	10.378	10.390	-0.012		6574		0.0- 53.9	23.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									
276	10.477	10.477	0.000	8	31901	20.8	70.0- 130.0	100.0	
138	10.464	10.477	-0.013		12422		8.9- 68.9	38.9	

QC Flag Legend

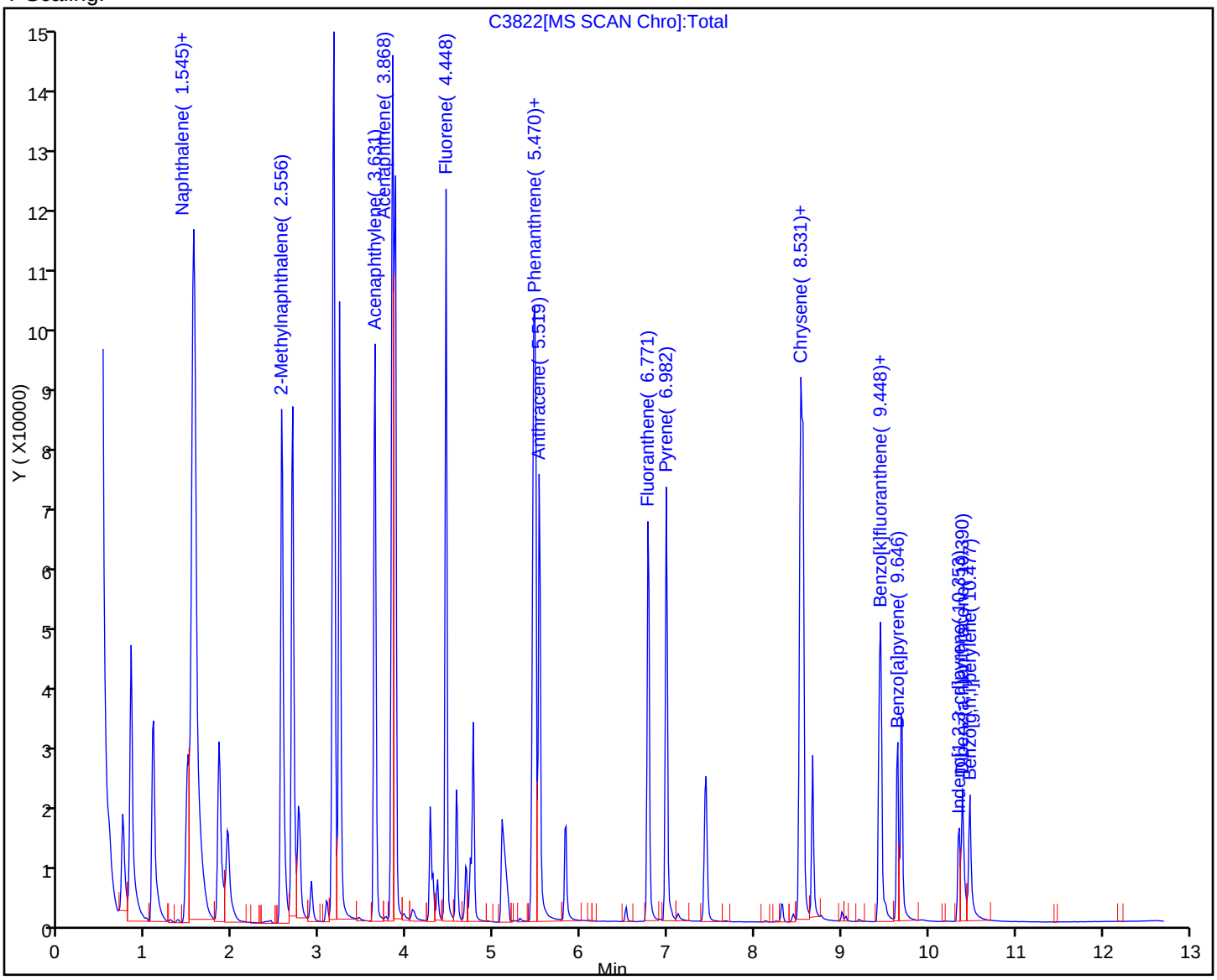
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 15:23:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3822.D

Injection Date:	14-Mar-2011 13:21:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77355	Lims Sample ID:	3
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 15:23:07 Chrom Revision: 1.2 29-Oct-2010 14:13:24

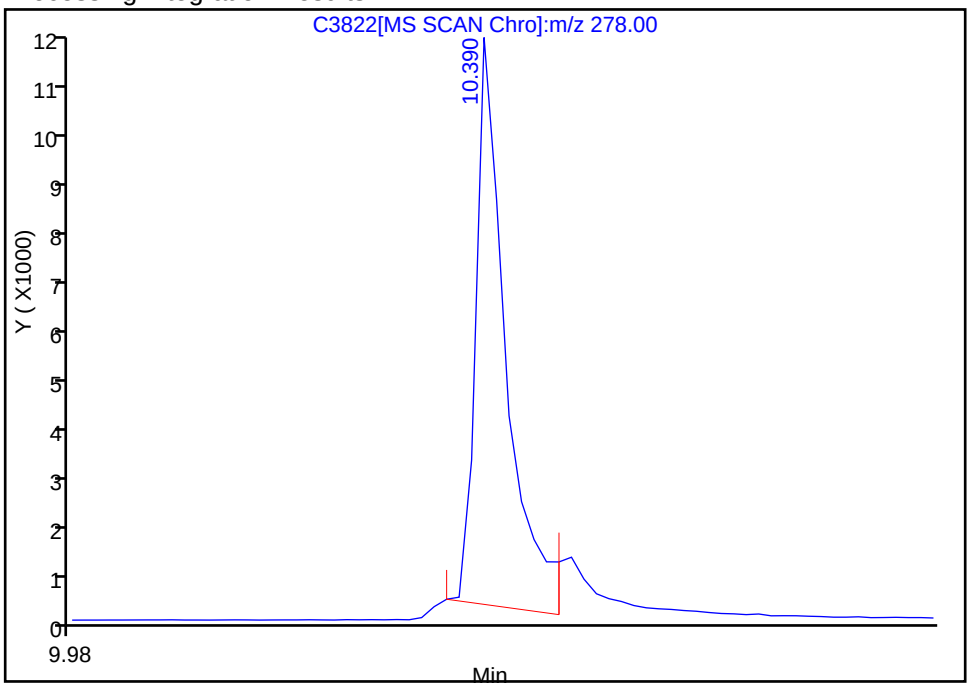
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3822.D		
Injection Date:	14-Mar-2011 13:21:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77355	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: 10.39

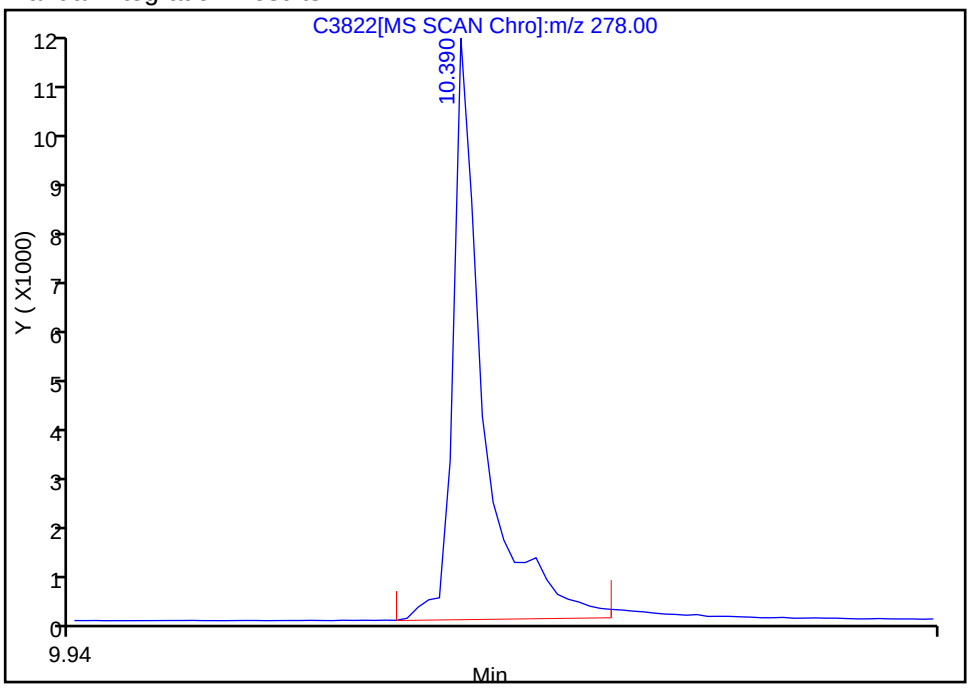
Processing Integration Results

RT: 10.39
Response: 22834
Amount: 15.852415



Manual Integration Results

RT: 10.39
Response: 27469
Amount: 19.035670



Reviewer: squiresb, 14-Mar-2011 15:23:07
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Laboratories
Target Compound Quantitation Report

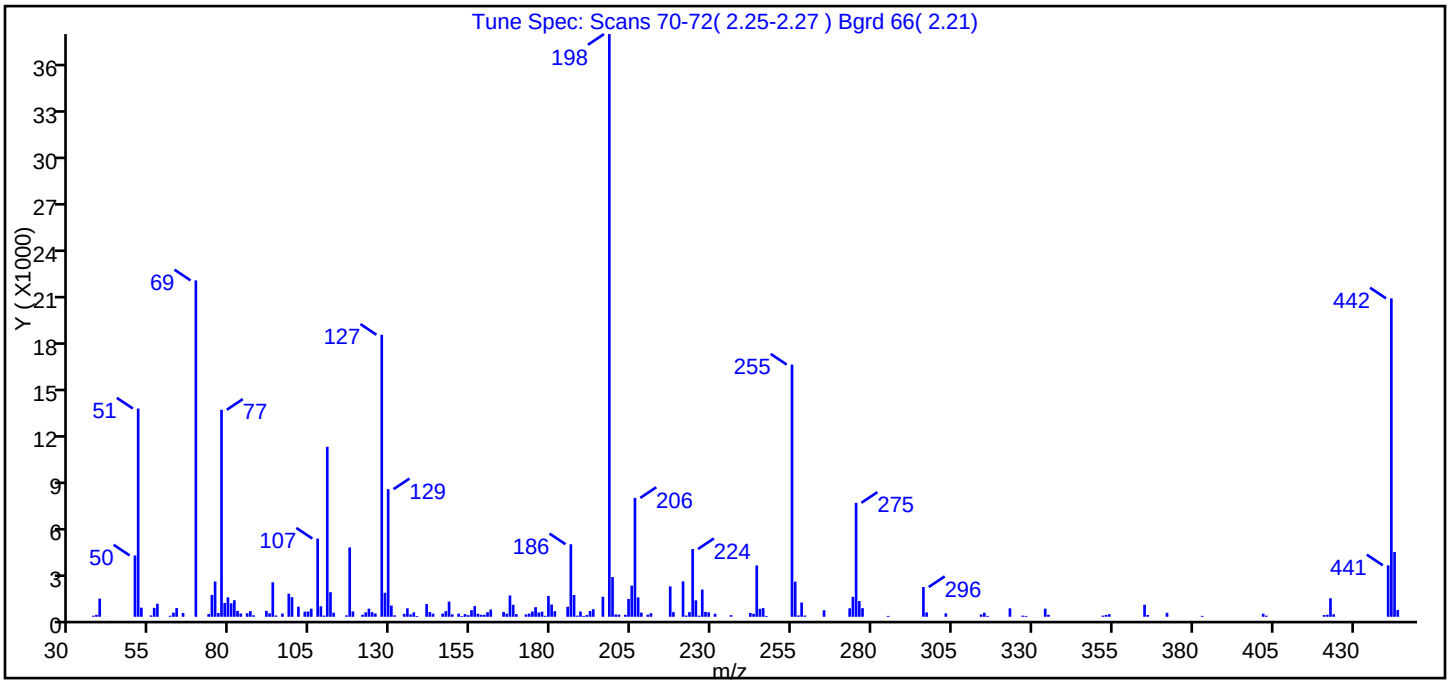
Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3720.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	07-Mar-2011 11:30:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0004486-001 =510-0004486-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	76981	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110307-4486.b\SIM-PNAB.m		
Last Update:	07-Mar-2011 14:15:39	Calib Date:	07-Mar-2011 13:56:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3728.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:	07-Mar-2011 14:15:39

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	2.261	2.261	0.000	0	131079	0	-1.0- -1.0		

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3720.D		
Injection Date:	07-Mar-2011 11:30:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	76981	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	35.74
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	57.73
70	Less than 2.00% of mass 69	0.00 (0.00)
127	40.00 - 60.00% of mass 198	48.40
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.81
275	10.00 - 30.00% of mass 198	19.56
365	Greater than 1.00% of mass 198	2.06
441	Present, but less than mass 443%	8.83 (79.47)
442	Greater than 40.00% of mass 198	54.64
443	17.00 - 23.00% of mass 442	11.11 (20.33)

Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3720.D\SIM-PNAB.rslt\spectra.d
Injection Date: 07-Mar-2011 11:30:30
Spectrum: Tune Spec: Scans 70-72(2.25-2.27) Bgrd 66(2.21)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 178

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	67	112.00	260	175.00	609	245.00	506
38.00	125	116.00	91	176.00	270	246.00	551
39.00	1153	117.00	4408	177.00	325	247.00	52
41.00	7	118.00	337	178.00	60	255.00	16032
50.00	3898	121.00	127	179.00	1323	256.00	2234
51.00	13238	122.00	280	180.00	778	257.00	86
52.00	577	123.00	517	181.00	355	258.00	906
55.00	86	124.00	293	185.00	635	259.00	77
56.00	565	125.00	208	186.00	4611	265.00	414
57.00	829	127.00	17928	187.00	1382	273.00	538
61.00	68	128.00	1524	188.00	73	274.00	1266
62.00	261	129.00	8110	189.00	333	275.00	7246
63.00	555	130.00	713	190.00	52	276.00	997
65.00	243	131.00	93	191.00	120	277.00	546
69.00	21384	134.00	190	192.00	366	285.00	56
73.00	177	135.00	537	193.00	482	296.00	1890
74.00	1388	136.00	151	196.00	1271	297.00	276
75.00	2242	137.00	283	198.00	37040	303.00	219
76.00	236	138.00	51	199.00	2522	314.00	147
77.00	13159	141.00	807	200.00	144	315.00	258
78.00	875	142.00	298	201.00	135	316.00	58
79.00	1232	143.00	196	203.00	124	323.00	537
80.00	856	146.00	202	204.00	1130	327.00	71
81.00	1053	147.00	356	205.00	1979	328.00	54
82.00	371	148.00	964	206.00	7557	334.00	515
83.00	208	149.00	152	207.00	1229	335.00	132
85.00	224	151.00	199	208.00	263	352.00	73
86.00	358	152.00	51	210.00	133	353.00	121
87.00	94	153.00	173	211.00	226	354.00	164
91.00	375	154.00	98	217.00	1933	365.00	762
92.00	216	155.00	421	218.00	294	366.00	115
93.00	2192	156.00	680	221.00	2251	372.00	255
94.00	80	157.00	192	222.00	77	383.00	58

Report Date: 07-Mar-2011 14:15:39 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3720.D\SIM-PNAB.rslt\spectra.d
Injection Date: 07-Mar-2011 11:30:30
Spectrum: Tune Spec: Scans 70-72(2.25-2.27) Bgrd 66(2.21)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 178

m/z	Y	m/z	Y	m/z	Y	m/z	Y
96.00	204	158.00	130	223.00	294	402.00	196
98.00	1464	159.00	128	224.00	4305	403.00	71
99.00	1241	160.00	293	225.00	1047	421.00	110
101.00	643	161.00	457	226.00	71	422.00	131
103.00	328	165.00	310	227.00	1728	423.00	1175
104.00	337	166.00	199	228.00	308	424.00	160
105.00	511	167.00	1355	229.00	282	441.00	3270
107.00	4971	168.00	760	231.00	191	442.00	20240
108.00	669	169.00	168	236.00	102	443.00	4115
109.00	73	172.00	148	242.00	242	444.00	431
110.00	10807	173.00	202	243.00	189		
111.00	1562	174.00	337	244.00	3262		

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3800.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	11-Mar-2011 13:36:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0004521-001 =510-0004521-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77268	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 14:39:51	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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:	11-Mar-2011 14:39:51

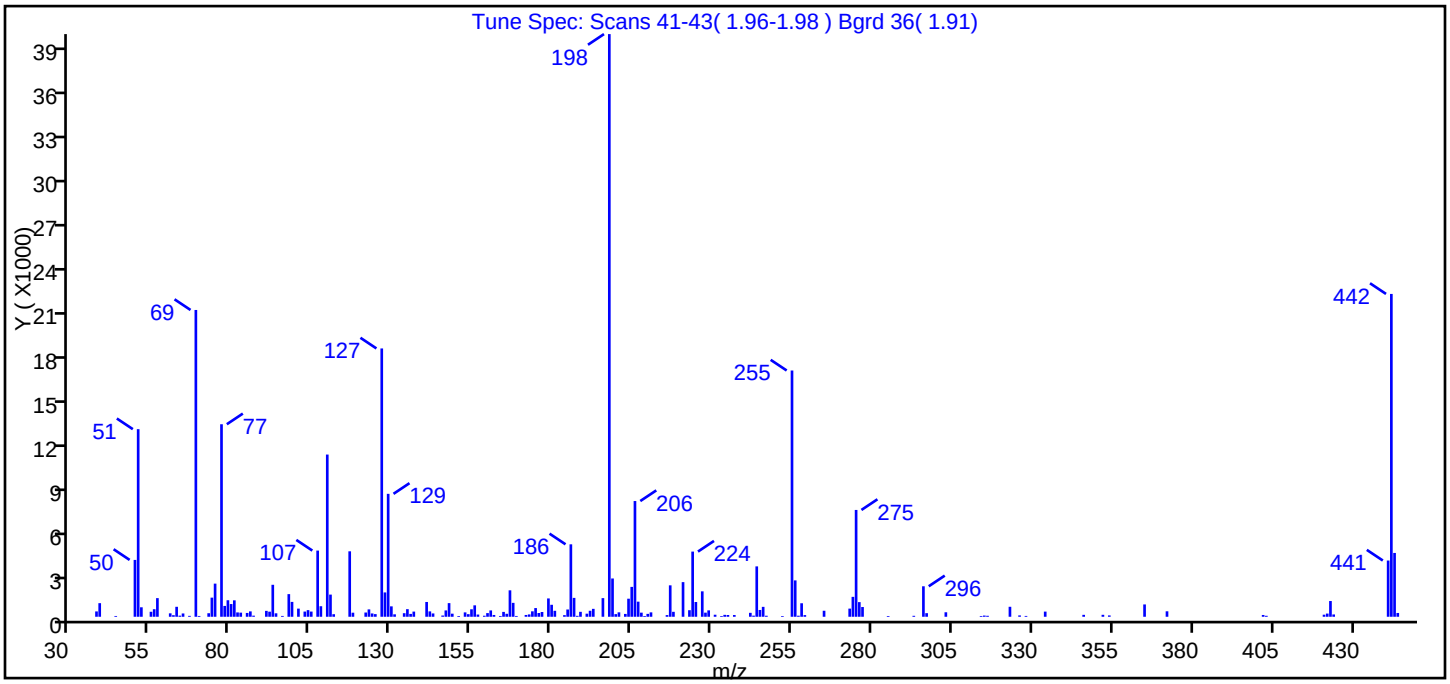
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	1.967	1.967	0.000	0	133421	0	-1.0- -1.0		

Report Date: 11-Mar-2011 14:39:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24

MS Tune Report

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3800.D
Injection Date: 11-Mar-2011 13:36:30 Limit Group: SMS - 1 - 8270 SIM Calibration
Client ID: Instrument ID: SMSB
Lims Batch ID: 77268 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	32.20
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	52.65
70	Less than 2.00% of mass 69	0.14 (0.26)
127	40.00 - 60.00% of mass 198	46.05
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.57
275	10.00 - 30.00% of mass 198	18.33
365	Greater than 1.00% of mass 198	2.12
441	Present, but less than mass 443%	9.65 (88.12)
442	Greater than 40.00% of mass 198	55.41
443	17.00 - 23.00% of mass 442	10.95 (19.77)

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3800.D\SIM-PNAB.rslt\spectra.d
Injection Date: 11-Mar-2011 13:36:30
Spectrum: Tune Spec: Scans 41-43(1.96-1.98) Bgrd 36(1.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 176

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	363	111.00	1503	176.00	255	243.00	76
39.00	922	112.00	174	177.00	323	244.00	3416
44.00	54	117.00	4438	179.00	1243	245.00	460
50.00	3854	118.00	276	180.00	812	246.00	672
51.00	12719	122.00	288	181.00	404	247.00	70
52.00	643	123.00	500	184.00	110	252.00	50
55.00	339	124.00	225	185.00	493	255.00	16696
56.00	512	125.00	180	186.00	4912	256.00	2466
57.00	1264	127.00	18192	187.00	1280	257.00	72
61.00	233	128.00	1650	188.00	64	258.00	916
62.00	107	129.00	8335	189.00	335	259.00	113
63.00	676	130.00	706	191.00	209	265.00	408
64.00	76	131.00	166	192.00	407	273.00	553
65.00	224	134.00	242	193.00	537	274.00	1350
67.00	62	135.00	516	196.00	1264	275.00	7242
69.00	20800	136.00	194	198.00	39504	276.00	993
70.00	55	137.00	351	199.00	2596	277.00	660
73.00	240	141.00	1003	200.00	179	285.00	51
74.00	1297	142.00	365	201.00	300	293.00	65
75.00	2247	143.00	226	203.00	193	296.00	2067
77.00	13053	146.00	84	204.00	1225	297.00	244
78.00	735	147.00	430	205.00	2025	303.00	305
79.00	1121	148.00	925	206.00	7846	314.00	53
80.00	862	149.00	210	207.00	1024	315.00	82
81.00	1114	151.00	52	208.00	279	316.00	67
82.00	294	153.00	297	209.00	52	323.00	677
83.00	279	154.00	175	210.00	197	326.00	92
85.00	259	155.00	508	211.00	299	328.00	57
86.00	365	156.00	775	216.00	113	334.00	350
87.00	75	157.00	150	217.00	2131	346.00	131
91.00	400	159.00	70	218.00	336	352.00	133
92.00	345	160.00	249	221.00	2348	354.00	91
93.00	2168	161.00	430	223.00	445	365.00	836

Report Date: 11-Mar-2011 14:39:51 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3800.D\SIM-PNAB.rslt\spectra.d
Injection Date: 11-Mar-2011 13:36:30
Spectrum: Tune Spec: Scans 41-43(1.96-1.98) Bgrd 36(1.91)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 176

m/z	Y	m/z	Y	m/z	Y	m/z	Y
94.00	235	162.00	121	224.00	4419	372.00	371
96.00	57	164.00	53	225.00	1000	402.00	121
98.00	1535	165.00	330	227.00	1724	403.00	66
99.00	1008	166.00	202	228.00	279	421.00	141
101.00	553	167.00	1793	229.00	434	422.00	217
103.00	353	168.00	943	231.00	138	423.00	1067
104.00	450	169.00	55	233.00	50	424.00	157
105.00	352	172.00	122	234.00	130	441.00	3813
107.00	4487	173.00	159	235.00	120	442.00	21888
108.00	715	174.00	369	237.00	118	443.00	4327
110.00	10998	175.00	590	242.00	267	444.00	257

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3820.D		
Lims ID:	dftpp	Client ID:	
Inject. Date:	14-Mar-2011 12:50:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	dftpp		
Misc. Info.:	510-0004534-001 =510-0004534-001		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	1
Lims Batch ID:	77355	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110314-4534.b\SIM-PNAB.m		
Last Update:	14-Mar-2011 14:04:20	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 14:04:20

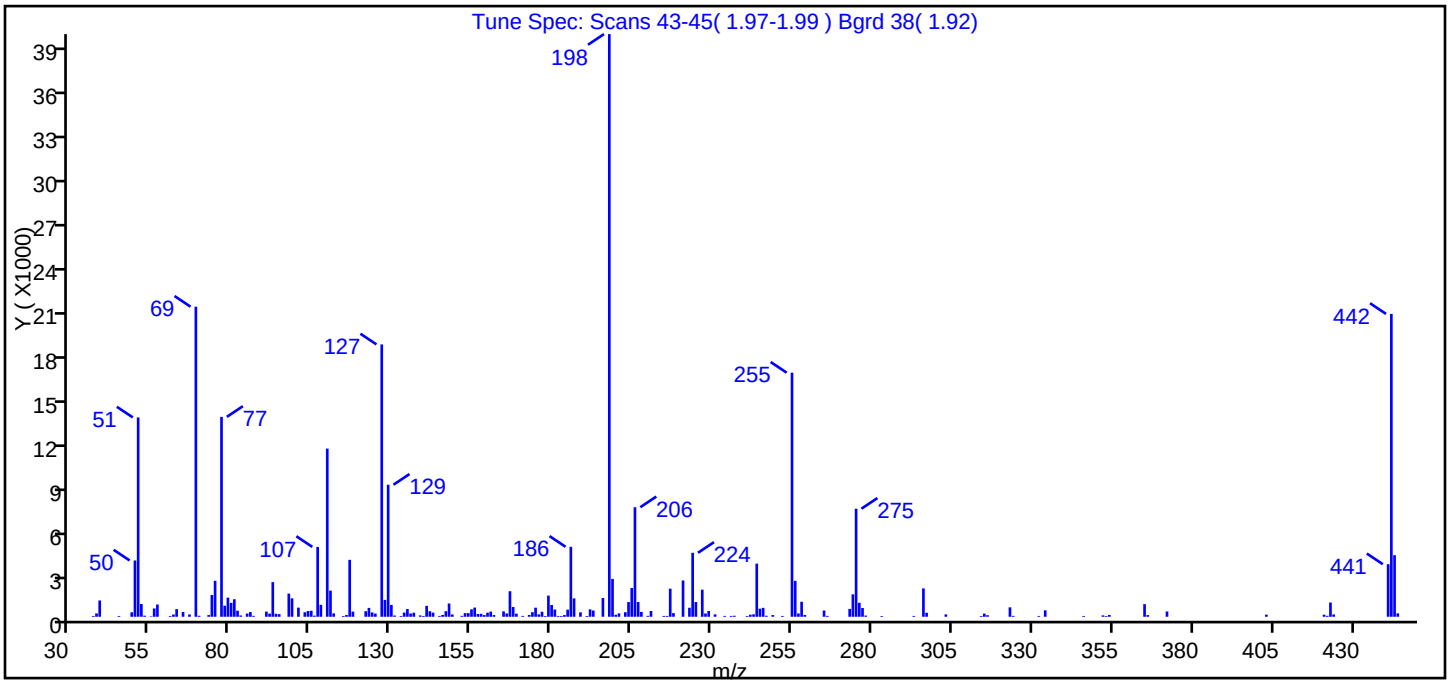
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
33 DFTPP									
198	1.983	1.983	0.000	0	131437	0	-1.0- -1.0		

Report Date: 14-Mar-2011 14:04:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24

MS Tune Report

Data File:	\\valsvr08\ChromData\SMSB\20110314-4534.b\C3820.D		
Injection Date:	14-Mar-2011 12:50:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77355	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	34.21
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	53.22
70	Less than 2.00% of mass 69	0.17 (0.32)
127	40.00 - 60.00% of mass 198	46.74
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.49
275	10.00 - 30.00% of mass 198	18.55
365	Greater than 1.00% of mass 198	2.16
441	Present, but less than mass 443%	9.02 (85.38)
442	Greater than 40.00% of mass 198	51.98
443	17.00 - 23.00% of mass 442	10.57 (20.33)

Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3820.D\SIM-PNAB.rslt\spectra.d
Injection Date: 14-Mar-2011 12:50:30
Spectrum: Tune Spec: Scans 43-45(1.97-1.99) Bgrd 38(1.92)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	53	112.00	229	175.00	614	244.00	3594
38.00	227	115.00	54	176.00	164	245.00	550
39.00	1102	116.00	117	177.00	341	246.00	605
45.00	54	117.00	3852	178.00	51	247.00	69
49.00	302	118.00	348	179.00	1432	249.00	115
50.00	3808	122.00	376	180.00	799	252.00	56
51.00	13484	123.00	601	181.00	492	255.00	16512
52.00	863	124.00	293	182.00	55	256.00	2430
53.00	74	125.00	218	183.00	56	257.00	221
55.00	34	127.00	18424	184.00	116	258.00	1015
56.00	563	128.00	1141	185.00	483	259.00	123
57.00	829	129.00	8933	186.00	4735	265.00	424
61.00	52	130.00	803	187.00	1242	266.00	60
62.00	152	131.00	85	189.00	300	273.00	533
63.00	517	133.00	52	191.00	52	274.00	1517
65.00	323	134.00	284	192.00	501	275.00	7310
67.00	159	135.00	522	193.00	421	276.00	945
69.00	20976	136.00	222	196.00	1270	277.00	592
70.00	67	137.00	275	198.00	39416	278.00	82
73.00	113	139.00	91	199.00	2559	283.00	50
74.00	1473	140.00	53	200.00	133	293.00	57
75.00	2432	141.00	739	201.00	229	296.00	1919
77.00	13522	142.00	377	203.00	308	297.00	269
78.00	747	143.00	281	204.00	995	303.00	160
79.00	1297	145.00	58	205.00	1942	314.00	50
80.00	943	146.00	125	206.00	7410	315.00	213
81.00	1187	147.00	378	207.00	998	316.00	106
82.00	410	148.00	898	208.00	327	323.00	639
83.00	88	149.00	155	210.00	62	324.00	61
85.00	218	152.00	64	211.00	390	332.00	56
86.00	320	153.00	247	215.00	58	334.00	437
87.00	64	154.00	246	216.00	58	346.00	55
91.00	349	155.00	501	217.00	1901	352.00	95

Report Date: 14-Mar-2011 14:04:20 Chrom Revision: 1.2 29-Oct-2010 14:13:24
Data File: \\valsvr08\ChromData\SMSB\20110314-4534.b\C3820.D\SIM-PNAB.rslt\spectra.d
Injection Date: 14-Mar-2011 12:50:30
Spectrum: Tune Spec: Scans 43-45(1.97-1.99) Bgrd 38(1.92)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 191

m/z	Y	m/z	Y	m/z	Y	m/z	Y
92.00	213	156.00	622	218.00	250	353.00	52
93.00	2344	157.00	185	221.00	2455	354.00	122
94.00	202	158.00	200	223.00	609	365.00	852
95.00	179	159.00	113	224.00	4327	366.00	114
98.00	1567	160.00	276	225.00	998	372.00	356
99.00	1247	161.00	351	227.00	1834	403.00	142
101.00	617	162.00	114	228.00	223	421.00	140
103.00	305	165.00	365	229.00	392	422.00	65
104.00	389	166.00	225	231.00	163	423.00	963
105.00	407	167.00	1728	234.00	59	424.00	156
106.00	75	168.00	658	236.00	56	441.00	3556
107.00	4726	169.00	211	237.00	69	442.00	20488
108.00	808	171.00	59	241.00	51	443.00	4165
110.00	11376	173.00	124	242.00	140	444.00	229
111.00	1769	174.00	310	243.00	165		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 510-77007/1-A

Matrix: Solid | Lab File ID: C3809.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 16:14

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.: 77268 | 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	0.0032
85-01-8	Phenanthrene	<0.020		0.020	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	71		10-194
4165-60-0	Nitrobenzene-d5	64		10-117
321-60-8	2-Fluorobiphenyl	79		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3809.D
Lims ID: MB 510-77007/1-A Client ID:
Inject. Date: 11-Mar-2011 16:14:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 77007
Misc. Info.: 510-0004521-010 =510-0004521-010
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 10
Lims Batch ID: 77268 Lims Sample ID: 10
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m
Last Update: 14-Mar-2011 10:04:32 Calib Date: 07-Mar-2011 14:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 10:05:19

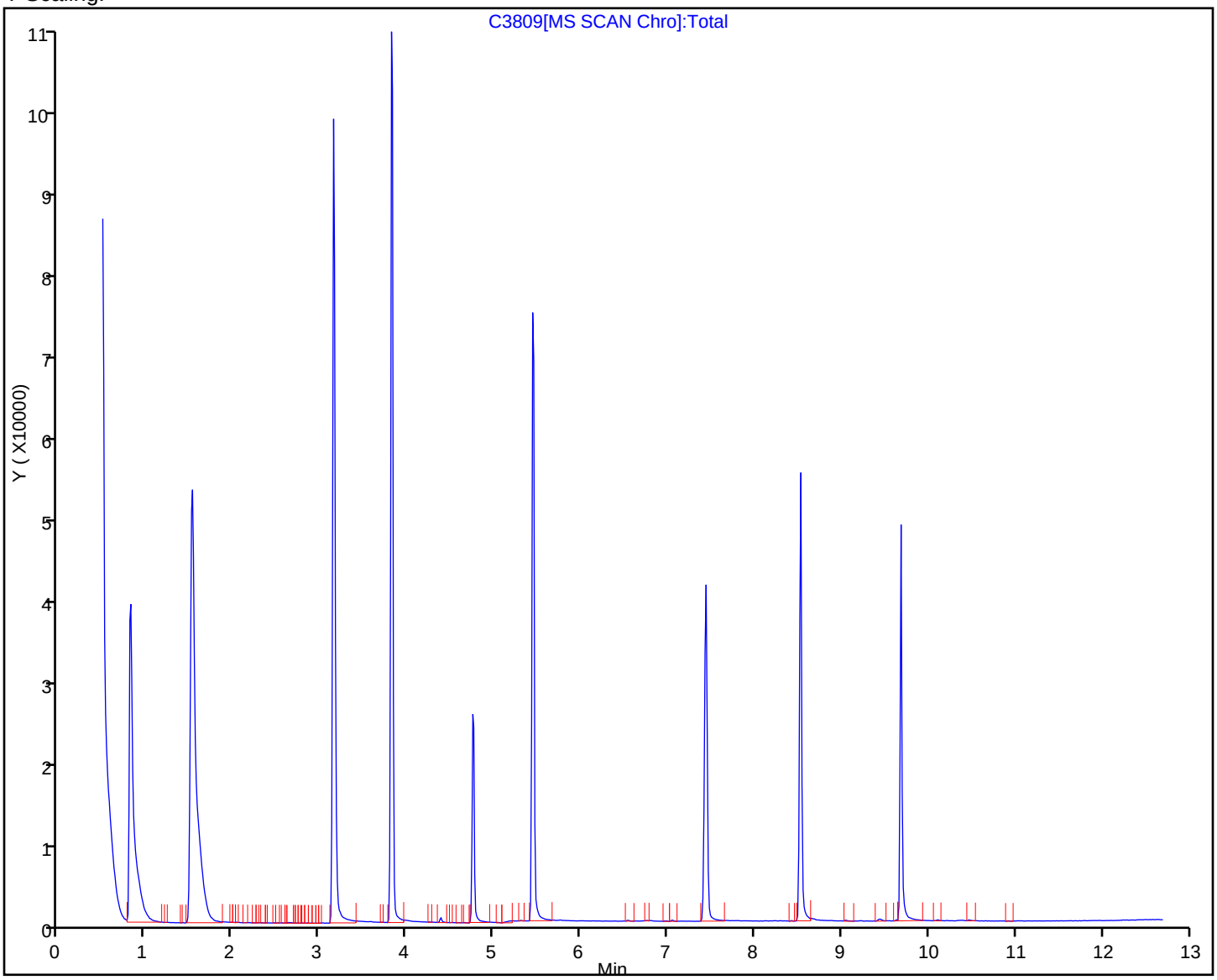
Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.821	0.820	0.001	30	62036	32.0	70.0- 130.0	100.0	
128	0.821	0.820	0.001		40074		1742.7-1802.7	64.6	
54	0.821	0.820	0.001		32622		201.8- 261.8	52.6	
* 57 Naphthalene-d8									
136	1.531	1.541	-0.009	40	201012	40.0	70.0- 130.0	100.0	
$ 66 2-Fluorobiphenyl									
172	3.154	3.164	-0.010	44	132385	39.5			
* 73 Acenaphthene-d10									
164	3.832	3.831	0.001	17	85113	40.0	70.0- 130.0	100.0	
162	3.821	3.831	-0.010		77357		51.0- 111.0	90.9	
* 90 Phenanthrene-d10									
188	5.457	5.458	-0.001	4	121915	40.0	70.0- 130.0	100.0	
$ 98 Terphenyl-d14									
244	7.441	7.429	0.012	45	62167	35.5	70.0- 130.0	100.0	
122	7.428	7.429	-0.001		14239		0.0- 53.3	22.9	
* 103 Chrysene-d12									
240	8.531	8.532	-0.001	14	73555	40.0	70.0- 130.0	100.0	
* 109 Perylene-d12									
264	9.684	9.684	0.000	25	56174	40.0	70.0- 130.0	100.0	

Report Date: 14-Mar-2011 10:05:19 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3809.D

Injection Date:	11-Mar-2011 16:14:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	10
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.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-77007/2-A

Matrix: Solid | Lab File ID: C3810.D

Analysis Method: 8270C SIM | Date Collected:

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30(g) | Date Analyzed: 03/11/2011 16:32

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.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.19		0.020	0.0025
208-96-8	Acenaphthylene	1.12		0.020	0.0031
120-12-7	Anthracene	1.26		0.020	0.0032
56-55-3	Benzo[a]anthracene	1.24		0.020	0.0021
50-32-8	Benzo[a]pyrene	1.34		0.020	0.0017
205-99-2	Benzo[b]fluoranthene	1.17		0.020	0.0029
191-24-2	Benzo[g,h,i]perylene	1.68		0.020	0.0022
207-08-9	Benzo[k]fluoranthene	1.06		0.020	0.0021
218-01-9	Chrysene	1.24		0.020	0.0020
53-70-3	Dibenz(a,h)anthracene	1.63		0.020	0.0027
206-44-0	Fluoranthene	1.32		0.020	0.0040
129-00-0	Pyrene	1.36		0.020	0.0037
86-73-7	Fluorene	1.09		0.020	0.0027
193-39-5	Indeno[1,2,3-cd]pyrene	1.61		0.020	0.0022
91-20-3	Naphthalene	1.14		0.020	0.0032
85-01-8	Phenanthrene	1.21		0.020	0.0031

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	74		10-194
4165-60-0	Nitrobenzene-d5	69		10-117
321-60-8	2-Fluorobiphenyl	67		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D
Lims ID: LCS 510-77007/2-A Client ID:
Inject. Date: 11-Mar-2011 16:32:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 77007
Misc. Info.: 510-0004521-011 =510-0004521-011
Operator: wds Instrument ID: SMSB
Vol. Injected: 1.0000 ALS Bottle#: 11
Lims Batch ID: 77268 Lims Sample ID: 11
Detector: MS SCAN

Method: \\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m
Last Update: 11-Mar-2011 16:35:39 Calib Date: 07-Mar-2011 14:14:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 09:01:40

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.832	0.820	0.012	30	86067	34.8	70.0- 130.0	100.0	
128	0.832	0.820	0.012		54679		1742.7-1802.7	63.5	
54	0.832	0.820	0.012		48332		201.8- 261.8	56.2	
* 57 Naphthalene-d8									
136	1.542	1.541	0.002	40	256589	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.563	1.562	0.001	68	255679	34.2	70.0- 130.0	100.0	
129	1.563	1.562	0.001		28052		0.0- 40.7	11.0	
127	1.563	1.562	0.001		31578		0.0- 42.0	12.4	
62 2-Methylnaphthalene									
142	2.563	2.562	0.001	59	163042	35.3	70.0- 130.0	100.0	
141	2.563	2.562	0.001		137071		55.1- 115.1	84.1	
115	2.563	2.562	0.001		58021		5.5- 65.5	35.6	
$ 66 2-Fluorobiphenyl									
172	3.166	3.164	0.002	44	170991	33.4			
71 Acenaphthylene									
152	3.639	3.626	0.013	76	221839	33.5	70.0- 130.0	100.0	
151	3.639	3.626	0.013		42785		0.0- 49.2	19.3	
* 73 Acenaphthene-d10									
164	3.843	3.831	0.012	14	125513	40.0	70.0- 130.0	100.0	
162	3.843	3.831	0.012		98967		52.3- 112.3	78.8	
74 Acenaphthene									
154	3.875	3.863	0.012	56	109216	35.6	70.0- 130.0	100.0	
152	3.875	3.863	0.012		56094		19.5- 79.5	51.4	
153	3.875	3.863	0.012		113695		74.0- 134.0	104.1	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	4.467	4.444	0.023	70	139568	32.8	70.0- 130.0	100.0	
165	4.456	4.444	0.012		127929		62.1- 122.1	91.7	
* 90 Phenanthrene-d10									
188	5.471	5.458	0.013	4	143201	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.496	5.470	0.026	9	168707	36.3	70.0- 130.0	100.0	
179	5.496	5.470	0.026		27164		0.0- 45.5	16.1	
92 Anthracene									
178	5.533	5.520	0.013	39	184269	37.9	70.0- 130.0	100.0	
179	5.533	5.520	0.013		29603		0.0- 45.2	16.1	
95 Fluoranthene									
202	6.785	6.772	0.013	59	163178	39.7	70.0- 130.0	100.0	
101	6.772	6.772	0.000		28492		0.0- 49.2	17.5	
203	6.785	6.772	0.013		29513		0.0- 47.1	18.1	
97 Pyrene									
202	6.995	6.982	0.013	58	167681	40.8	70.0- 130.0	100.0	
101	6.983	6.982	0.001		34024		0.0- 49.2	20.3	
$ 98 Terphenyl-d14									
244	7.441	7.429	0.012	44	75175	37.1	70.0- 130.0	100.0	
122	7.441	7.429	0.012		17639		0.0- 52.7	23.5	
101 Benzo[a]anthracene									
228	8.532	8.519	0.013	60	122207	37.2	70.0- 130.0	100.0	
229	8.532	8.519	0.013		24529		0.0- 50.5	20.1	
226	8.520	8.519	0.001		36780		0.3- 60.3	30.1	
* 103 Chrysene-d12									
240	8.545	8.532	0.013	12	85137	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.569	8.556	0.013	54	125973	37.1	70.0- 130.0	100.0	
226	8.569	8.556	0.013		43295		1.2- 61.2	34.4	
229	8.569	8.556	0.013		25358		0.0- 52.1	20.1	
106 Benzo[b]fluoranthene									M
252	9.449	9.449	0.013	31	144392	35.0	70.0- 130.0	100.0	M
253	9.462	9.449	0.026		60388		0.0- 51.8	41.8	
107 Benzo[k]fluoranthene									M
252	9.462	9.462	0.013	33	179776	31.9	70.0- 130.0	100.0	M
253	9.462	9.462	0.013		60388		0.0- 51.8	33.6	
108 Benzo[a]pyrene									
252	9.648	9.635	0.013	22	139256	40.1	70.0- 130.0	100.0	
253	9.648	9.635	0.013		30616		0.0- 51.8	22.0	
* 109 Perylene-d12									
264	9.697	9.684	0.013	25	76115	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.354	10.354	0.013	15	132123	48.3	70.0- 130.0	100.0	M
138	10.342	10.354	0.001		35847		10.0- 70.0	27.1	
111 Dibenz(a,h)anthracene									M
278	10.404	10.404	0.013	4	113499	48.9	70.0- 130.0	100.0	M
139	10.391	10.404	0.000		28806		2.2- 62.2	25.4	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									
276	10.490	10.465	0.025	6	124090	50.5	70.0- 130.0	100.0	
138	10.478	10.465	0.013		48499		10.0- 70.0	39.1	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 09:01:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D

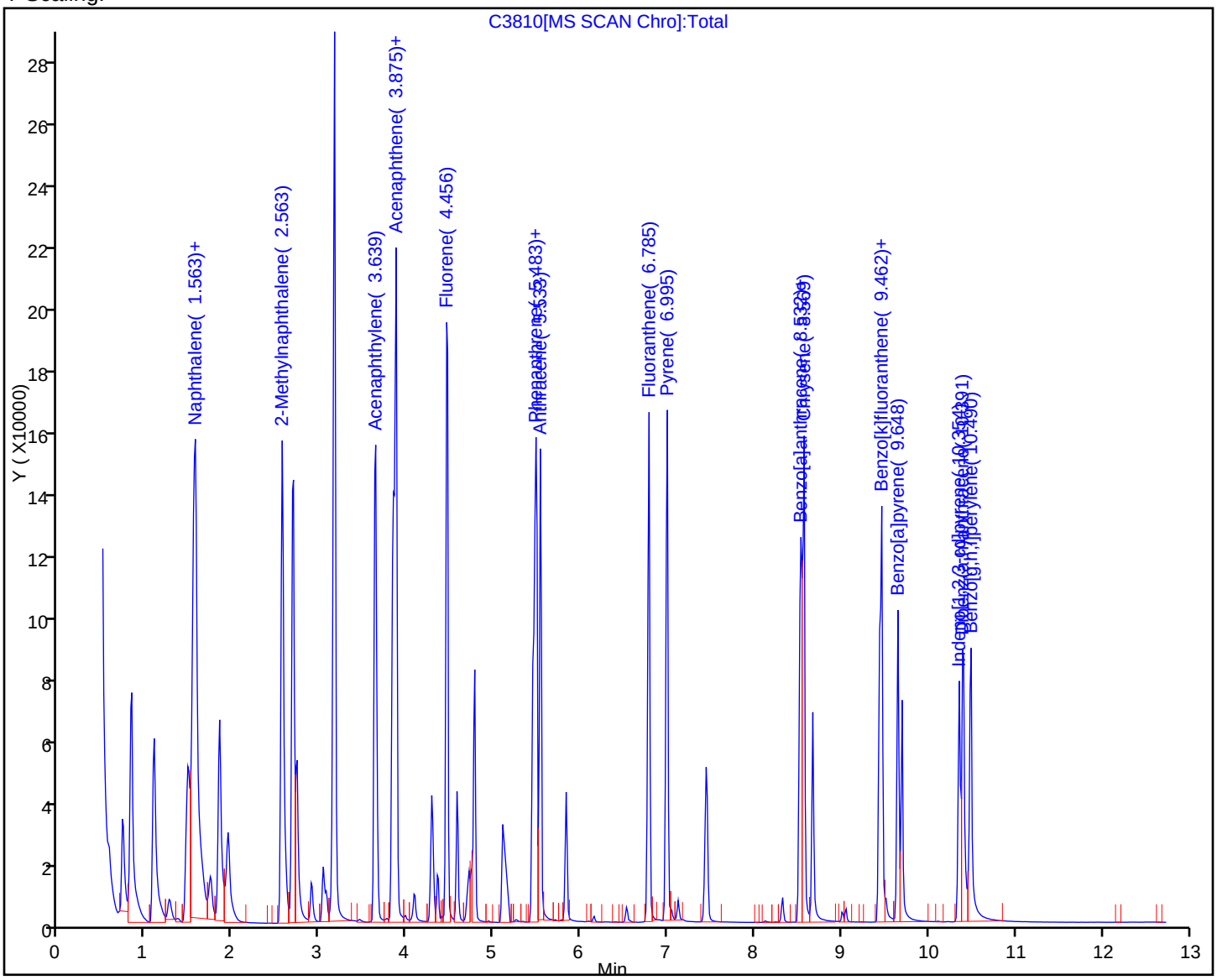
Injection Date: 11-Mar-2011 16:32:30 Limit Group: SMS - 1 - 8270 SIM Calibration

Client ID: Instrument ID: SMSB

Lims Batch ID: 77268 Lims Sample ID: 11

Operator ID: wds Injection Vol: 1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 09:01:40 Chrom Revision: 1.2 29-Oct-2010 14:13:24

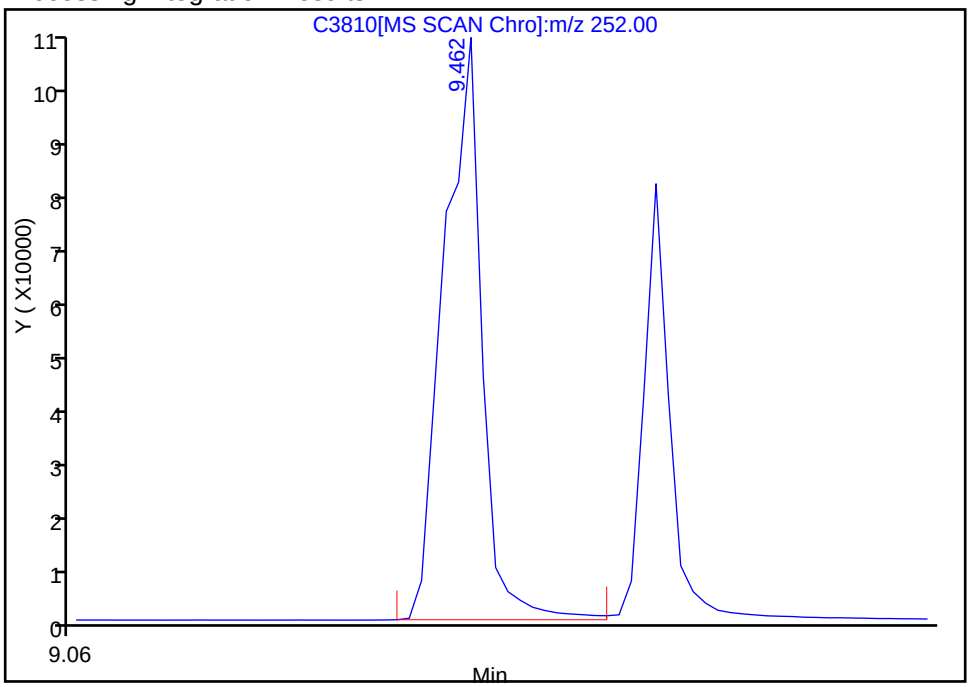
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D		
Injection Date:	11-Mar-2011 16:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.44

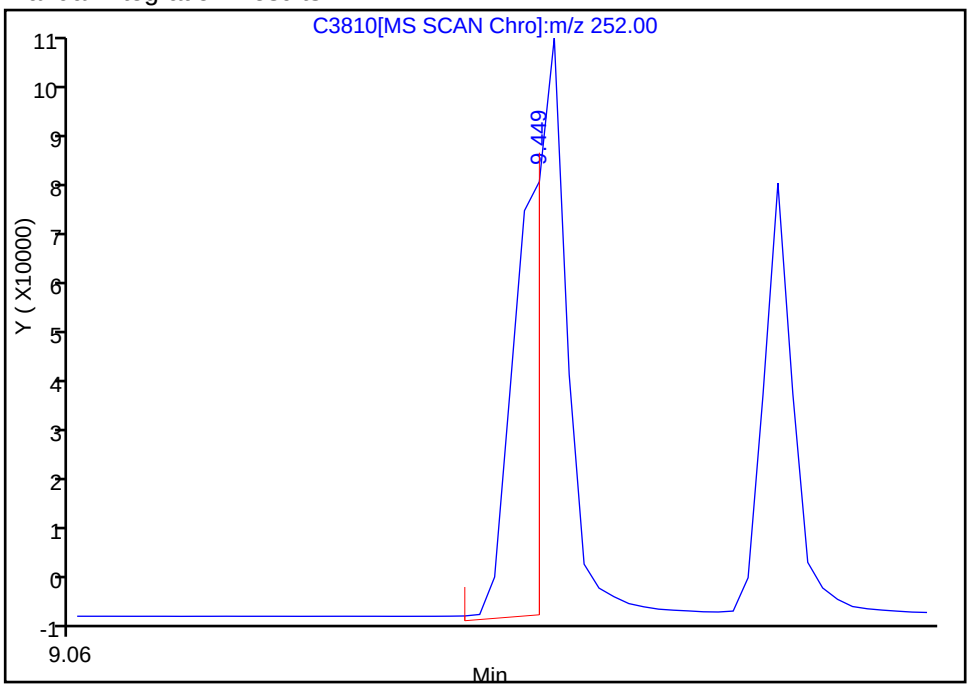
Processing Integration Results

RT: 9.46
Response: 268512
Amount: 64.989269



Manual Integration Results

RT: 9.45
Response: 144392
Amount: 35.031972



Reviewer: squiresb, 14-Mar-2011 09:01:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:01:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

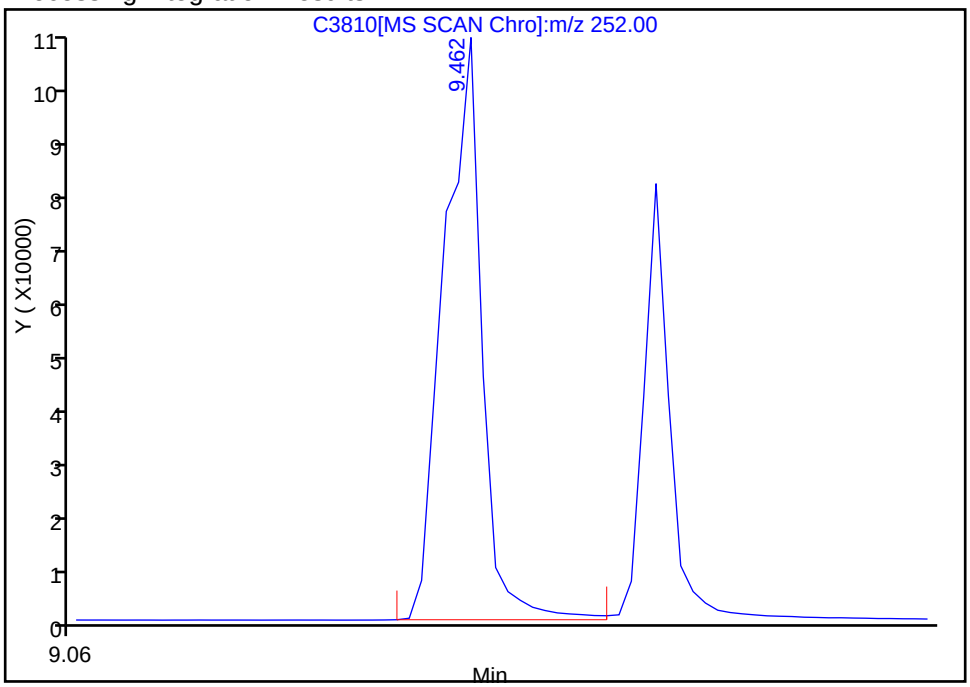
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D		
Injection Date:	11-Mar-2011 16:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.45

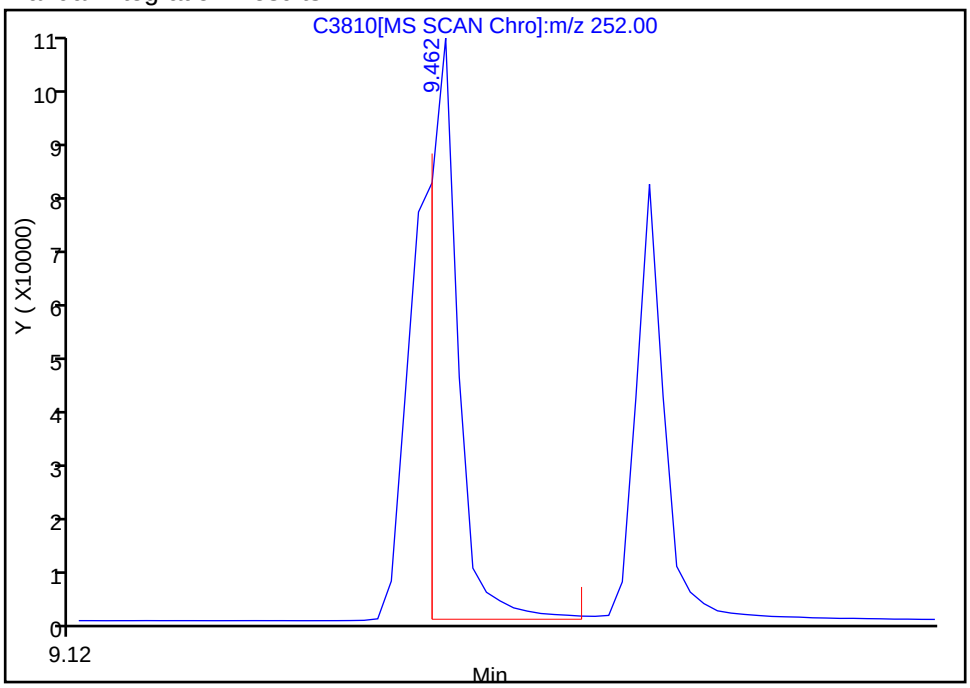
Processing Integration Results

RT: 9.46
Response: 268512
Amount: 47.633962



Manual Integration Results

RT: 9.46
Response: 179776
Amount: 31.892218



Reviewer: squiresb, 14-Mar-2011 09:01:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:01:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

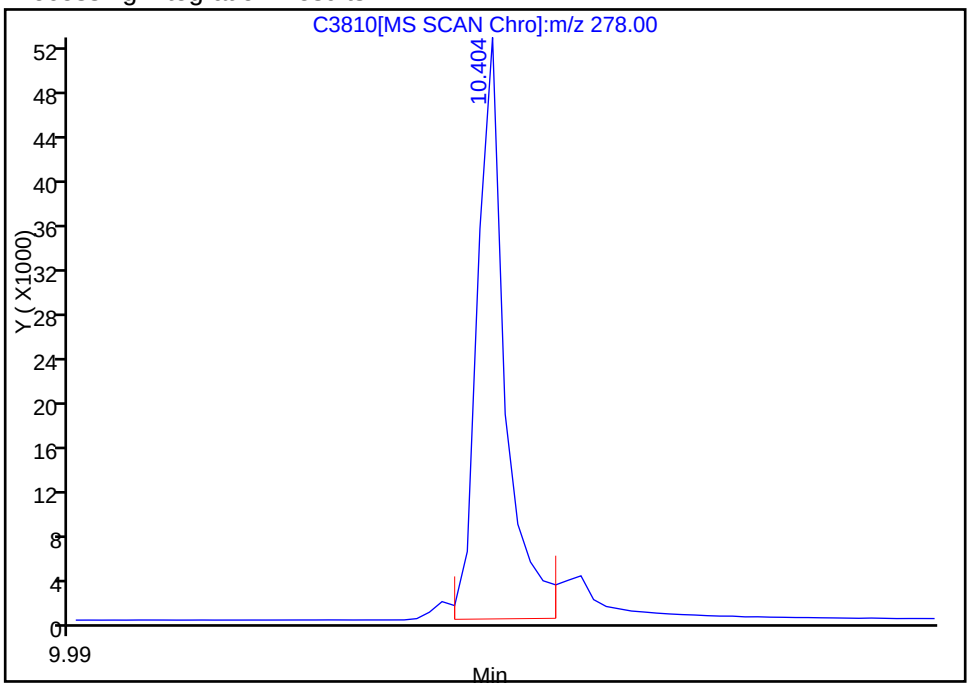
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D		
Injection Date:	11-Mar-2011 16:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 10.39

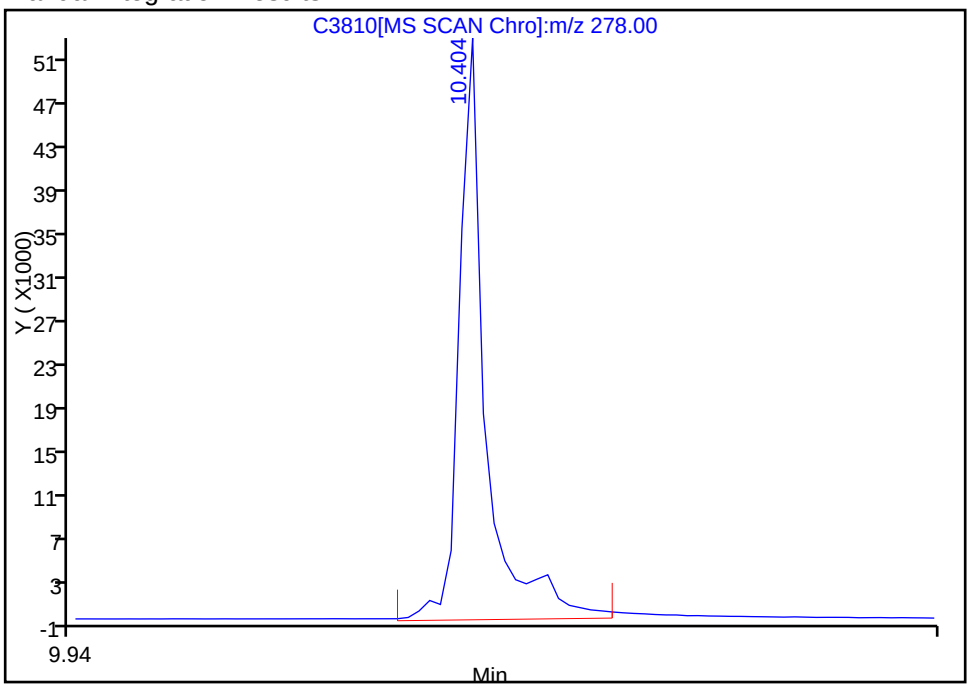
Processing Integration Results

RT: 10.40
Response: 99789
Amount: 43.052653



Manual Integration Results

RT: 10.40
Response: 113499
Amount: 48.944250



Reviewer: squiresb, 14-Mar-2011 09:01:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:01:41 Chrom Revision: 1.2 29-Oct-2010 14:13:24

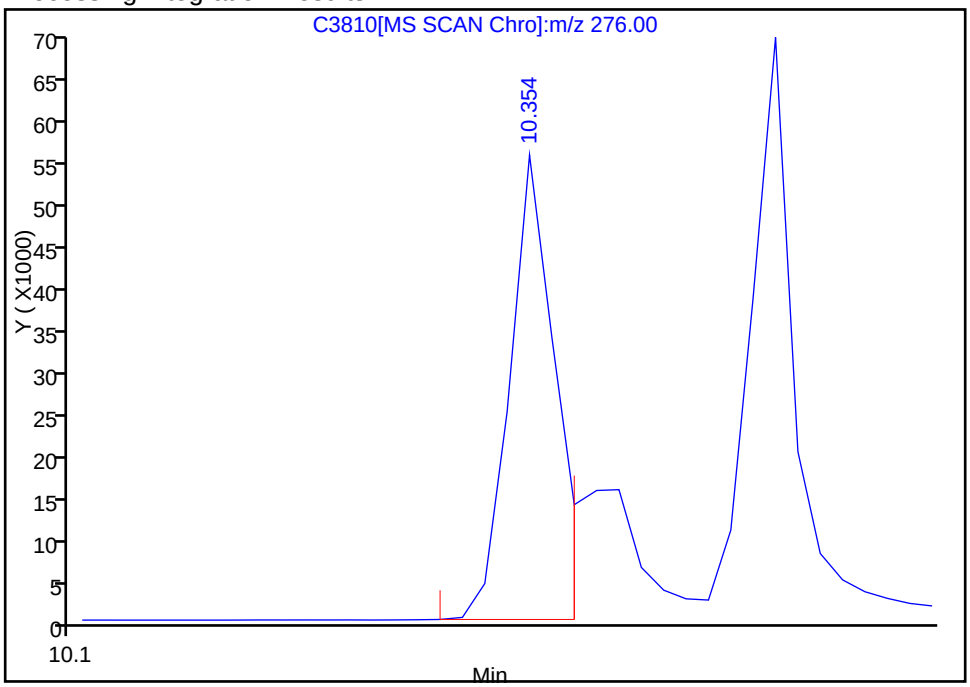
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3810.D		
Injection Date:	11-Mar-2011 16:32:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:		Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	11
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.34

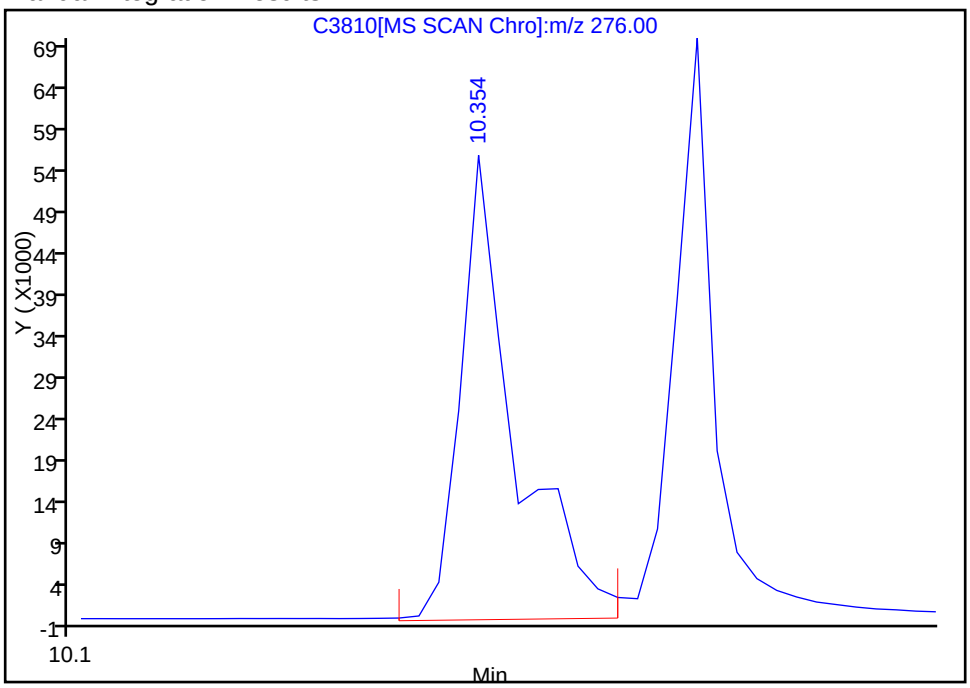
Processing Integration Results

RT: 10.35
Response: 98560
Amount: 36.132963



Manual Integration Results

RT: 10.35
Response: 132123
Amount: 48.333916



Reviewer: squiresb, 14-Mar-2011 09:01:40
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: C3813.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.85(g) | Date Analyzed: 03/11/2011 17:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.30		0.022	0.0028
208-96-8	Acenaphthylene	1.23		0.022	0.0035
120-12-7	Anthracene	1.29		0.022	0.0035
56-55-3	Benzo[a]anthracene	1.47		0.022	0.0023
50-32-8	Benzo[a]pyrene	1.51		0.022	0.0019
205-99-2	Benzo[b]fluoranthene	1.27		0.022	0.0032
191-24-2	Benzo[g,h,i]perylene	1.39		0.022	0.0024
207-08-9	Benzo[k]fluoranthene	1.40		0.022	0.0023
218-01-9	Chrysene	1.32		0.022	0.0022
53-70-3	Dibenz(a,h)anthracene	1.39		0.022	0.0030
206-44-0	Fluoranthene	1.43		0.022	0.0044
129-00-0	Pyrene	1.51		0.022	0.0041
86-73-7	Fluorene	1.29		0.022	0.0030
193-39-5	Indeno[1,2,3-cd]pyrene	1.44		0.022	0.0024
91-20-3	Naphthalene	1.21		0.022	0.0036
85-01-8	Phenanthrene	1.37		0.022	0.0034

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	73		10-194
4165-60-0	Nitrobenzene-d5	64		10-117
321-60-8	2-Fluorobiphenyl	59		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D		
Lims ID:	510-62781-J-1-E MS	Client ID:	SB0058:TP1:000020
Inject. Date:	11-Mar-2011 17:25:30	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	510-62781-1MS		
Misc. Info.:	510-0004521-014 =510-0004521-014		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	77268	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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: 14-Mar-2011 09:04:56

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.831	0.820	0.011	33	74914	31.9	70.0- 130.0	100.0	
128	0.841	0.820	0.021		46961		1742.7-1802.7	62.7	
54	0.831	0.820	0.011		42626		201.8- 261.8	56.9	
* 57 Naphthalene-d8									
136	1.551	1.541	0.011	40	243618	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.573	1.562	0.011	68	233180	32.9	70.0- 130.0	100.0	
129	1.573	1.562	0.011		25709		0.0- 40.7	11.0	
127	1.573	1.562	0.011		28935		0.0- 42.0	12.4	
62 2-Methylnaphthalene									
142	2.573	2.562	0.011	60	154950	35.3	70.0- 130.0	100.0	
141	2.573	2.562	0.011		129964		55.1- 115.1	83.9	
115	2.562	2.562	0.000		56234		5.5- 65.5	36.3	
$ 66 2-Fluorobiphenyl									
172	3.175	3.164	0.011	44	166509	29.6			
71 Acenaphthylene									
152	3.637	3.626	0.011	76	238641	33.5	70.0- 130.0	100.0	
151	3.637	3.626	0.011		45997		0.0- 49.2	19.3	
* 73 Acenaphthene-d10									
164	3.841	3.831	0.010	15	135084	40.0	70.0- 130.0	100.0	
162	3.841	3.831	0.010		105639		52.3- 112.3	78.2	
74 Acenaphthene									
154	3.884	3.863	0.021	56	117236	35.5	70.0- 130.0	100.0	
152	3.884	3.863	0.021		59173		19.5- 79.5	50.5	
153	3.884	3.863	0.021		121953		74.0- 134.0	104.0	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	4.465	4.444	0.021	69	160744	35.1	70.0- 130.0	100.0	
165	4.465	4.444	0.021		146572		62.1- 122.1	91.2	
* 90 Phenanthrene-d10									
188	5.471	5.458	0.013	4	172645	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.496	5.470	0.026	9	209567	37.4	70.0- 130.0	100.0	
179	5.496	5.470	0.026		34031		0.0- 45.5	16.2	
92 Anthracene									
178	5.545	5.520	0.025	39	205188	35.0	70.0- 130.0	100.0	
179	5.545	5.520	0.025		32069		0.0- 45.2	15.6	
95 Fluoranthene									
202	6.785	6.772	0.013	59	193615	39.0	70.0- 130.0	100.0	
101	6.785	6.772	0.013		32916		0.0- 49.2	17.0	
203	6.785	6.772	0.013		35312		0.0- 47.1	18.2	
97 Pyrene									
202	6.995	6.982	0.013	61	195095	41.1	70.0- 130.0	100.0	
101	6.995	6.982	0.013		38013		0.0- 49.2	19.5	
$ 98 Terphenyl-d14									
244	7.454	7.429	0.025	45	85199	36.4	70.0- 130.0	100.0	
122	7.441	7.429	0.012		20181		0.0- 52.7	23.7	
101 Benzo[a]anthracene									
228	8.532	8.519	0.013	60	152162	40.1	70.0- 130.0	100.0	
229	8.532	8.519	0.013		30653		0.0- 50.5	20.1	
226	8.532	8.519	0.013		46246		0.3- 60.3	30.4	
* 103 Chrysene-d12									
240	8.557	8.532	0.025	13	98347	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.582	8.556	0.026	54	141219	36.0	70.0- 130.0	100.0	
226	8.582	8.556	0.026		45594		1.2- 61.2	32.3	
229	8.582	8.556	0.026		28596		0.0- 52.1	20.2	
106 Benzo[b]fluoranthene									M
252	9.449	9.449	0.013	31	128537	34.5	70.0- 130.0	100.0	M
253	9.462	9.449	0.026		58759		0.0- 51.8	45.7	
107 Benzo[k]fluoranthene									M
252	9.462	9.462	0.013	33	194290	38.1	70.0- 130.0	100.0	M
253	9.462	9.462	0.013		58759		0.0- 51.8	30.2	
108 Benzo[a]pyrene									
252	9.648	9.635	0.013	22	129233	41.2	70.0- 130.0	100.0	
253	9.648	9.635	0.013		28844		0.0- 51.8	22.3	
* 109 Perylene-d12									
264	9.697	9.684	0.013	25	68880	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.354	10.354	0.013	14	96697	39.1	70.0- 130.0	100.0	M
138	10.354	10.354	0.013		26349		10.0- 70.0	27.2	
111 Dibenz(a,h)anthracene									M
278	10.404	10.404	0.013	4	79486	37.9	70.0- 130.0	100.0	M
139	10.391	10.404	0.000		20589		2.2- 62.2	25.9	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									
276	10.490	10.465	0.025	5	83968	37.8	70.0- 130.0	100.0	
138	10.478	10.465	0.013		32994		10.0- 70.0	39.3	

QC Flag Legend

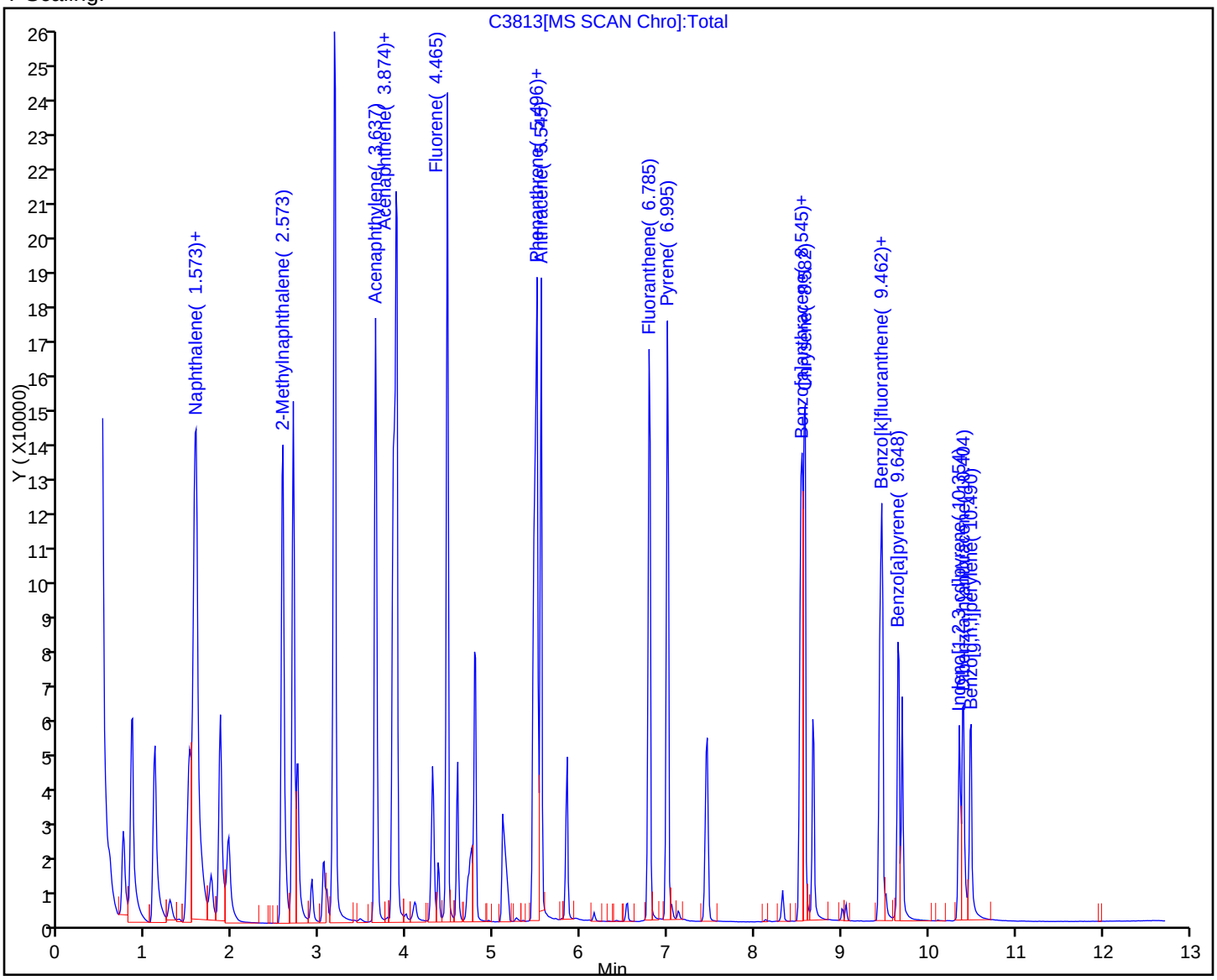
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 09:04:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D

Injection Date:	11-Mar-2011 17:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



Report Date: 14-Mar-2011 09:04:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

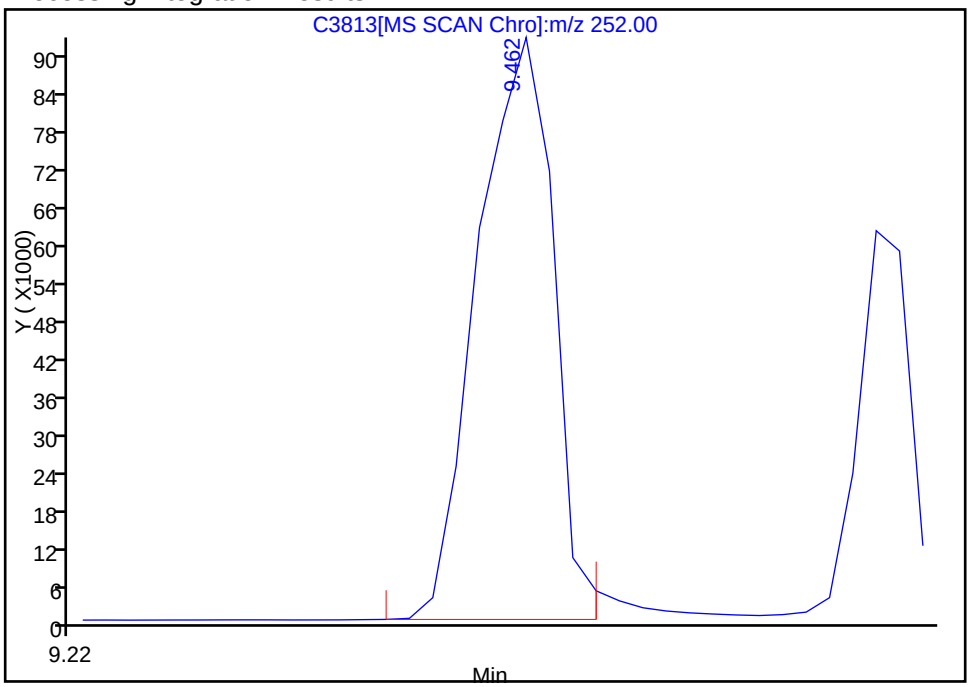
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D		
Injection Date:	11-Mar-2011 17:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.44

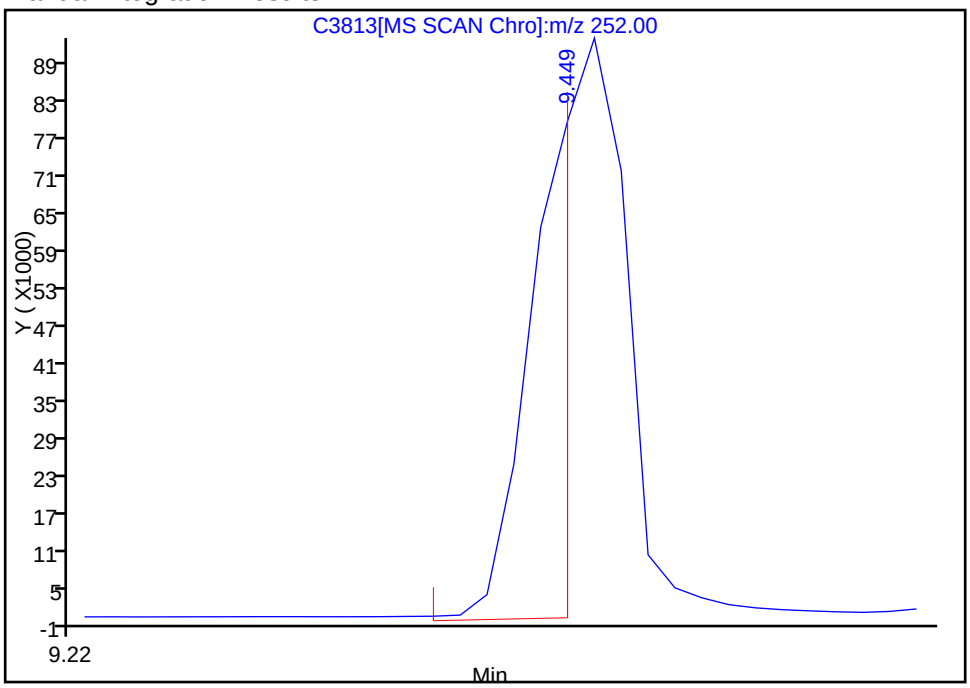
Processing Integration Results

RT: 9.46
Response: 259198
Amount: 69.312362



Manual Integration Results

RT: 9.45
Response: 128537
Amount: 34.463874



Reviewer: squiresb, 14-Mar-2011 09:04:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

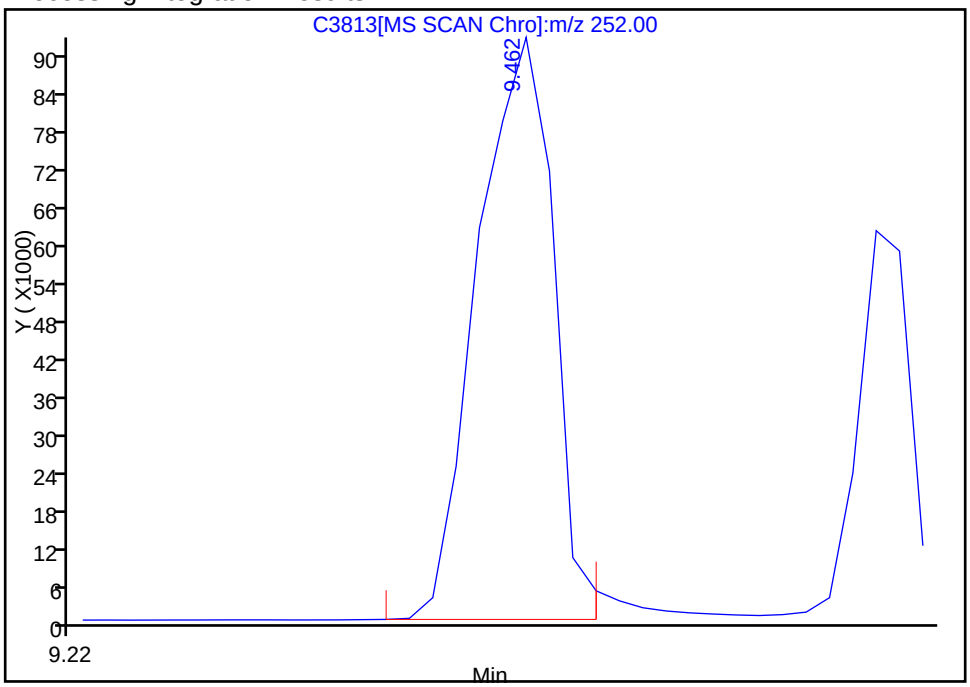
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D		
Injection Date:	11-Mar-2011 17:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	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: 9.45

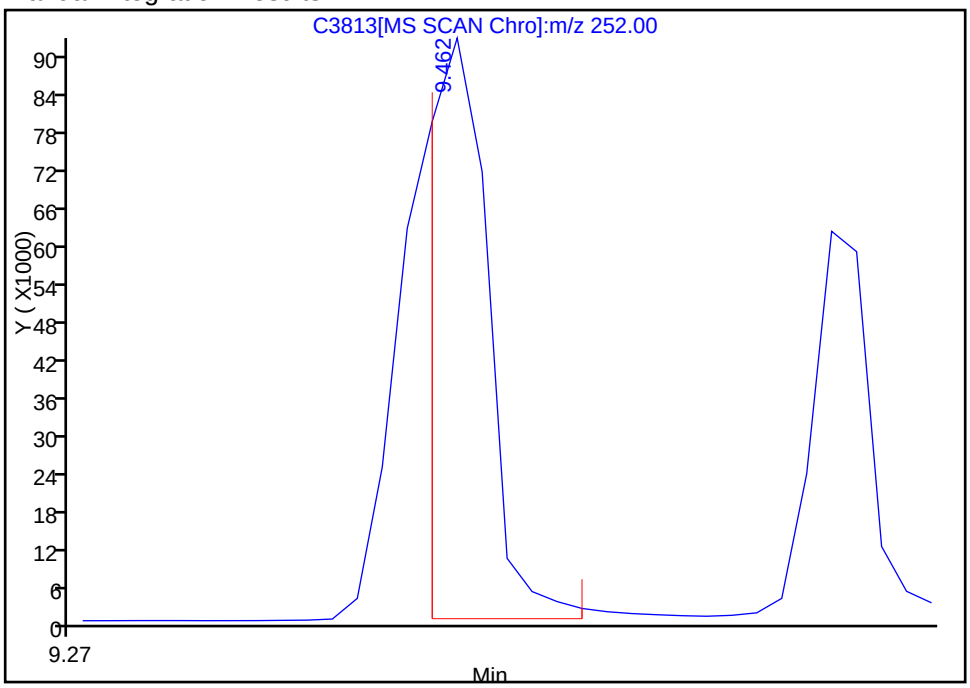
Processing Integration Results

RT: 9.46
Response: 259198
Amount: 50.811471



Manual Integration Results

RT: 9.46
Response: 194290
Amount: 38.087333



Reviewer: squiresb, 14-Mar-2011 09:04:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

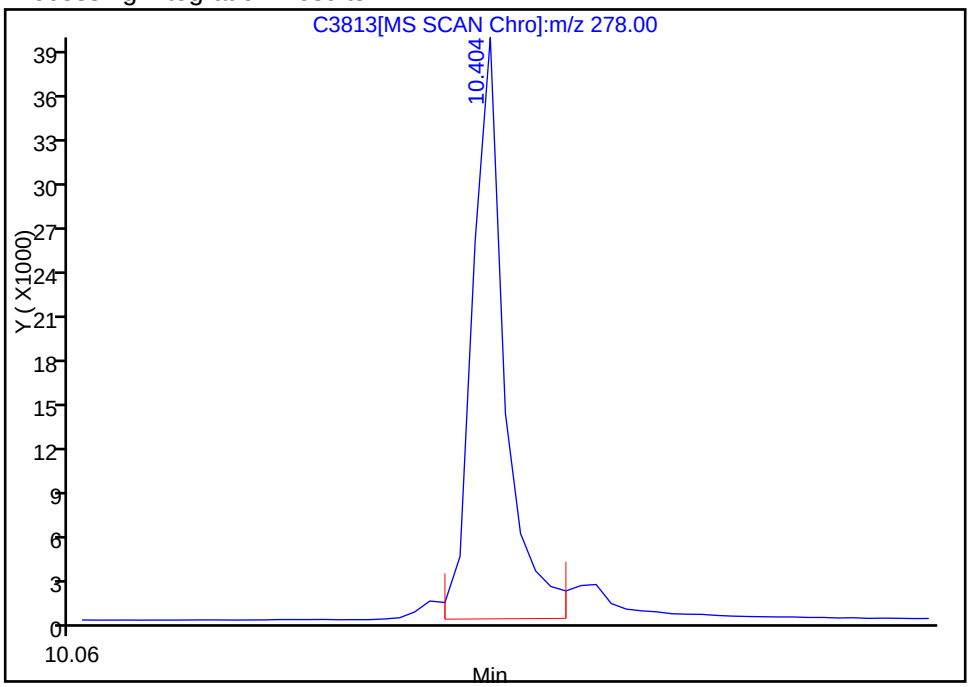
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D		
Injection Date:	11-Mar-2011 17:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	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: 10.39

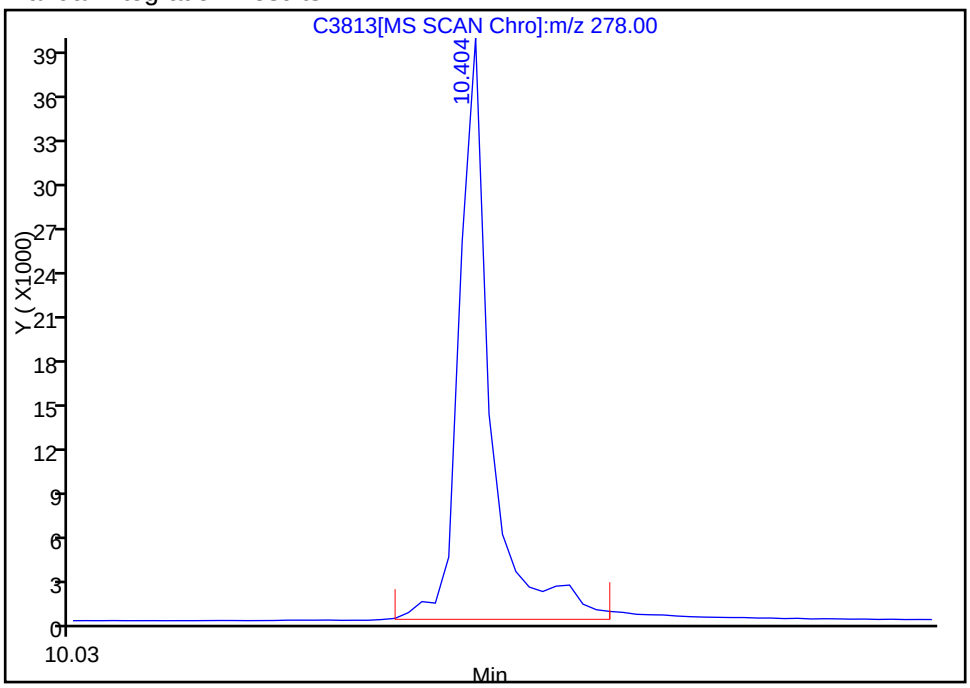
Processing Integration Results

RT: 10.40
Response: 73112
Amount: 34.888867



Manual Integration Results

RT: 10.40
Response: 79486
Amount: 37.915674



Reviewer: squiresb, 14-Mar-2011 09:04:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:04:56 Chrom Revision: 1.2 29-Oct-2010 14:13:24

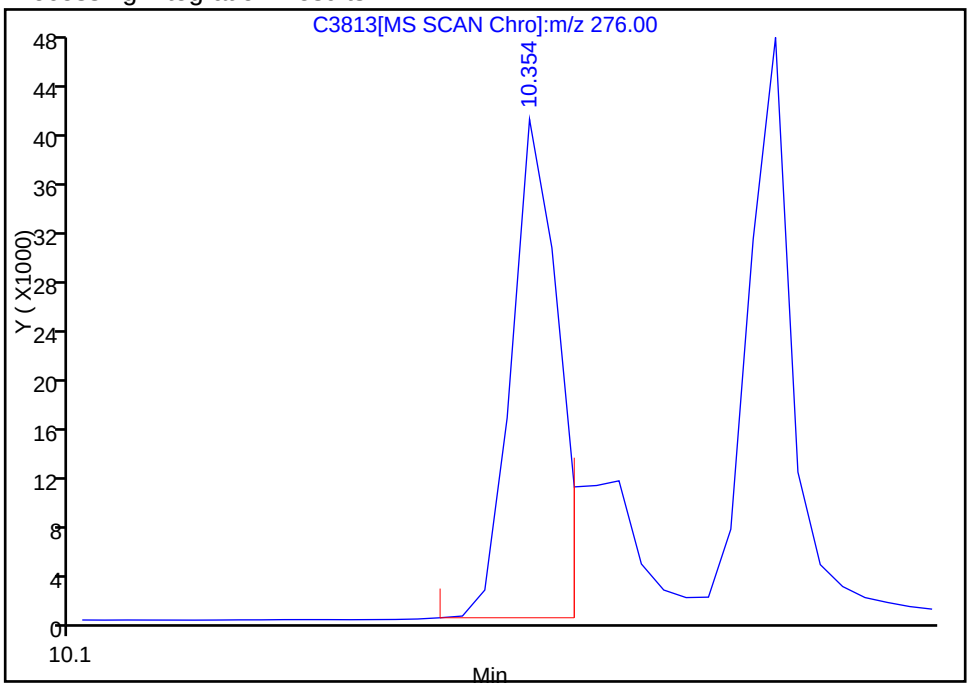
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3813.D		
Injection Date:	11-Mar-2011 17:25:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	14
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.34

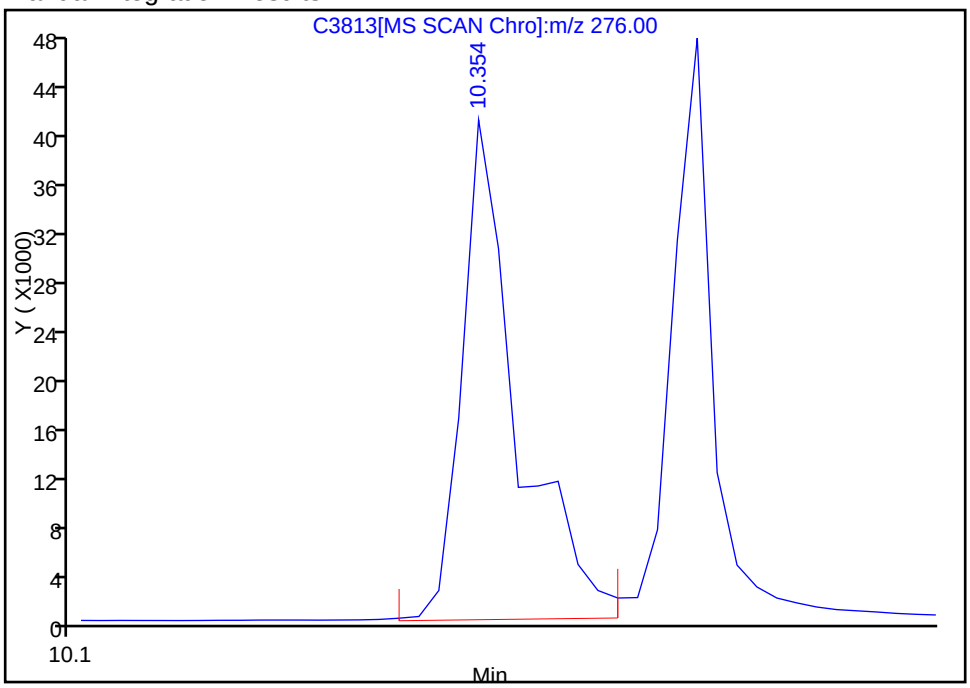
Processing Integration Results

RT: 10.35
Response: 73618
Amount: 29.876960



Manual Integration Results

RT: 10.35
Response: 96697
Amount: 39.147971



Reviewer: squiresb, 14-Mar-2011 09:04:56
Audit Action: Manually Integrated
Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: C3814.D

Analysis Method: 8270C SIM | Date Collected: 03/03/2011 10:15

Extract. Method: 3541 | Date Extracted: 03/08/2011 07:55

Sample wt/vol: 30.06(g) | Date Analyzed: 03/11/2011 17:43

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 77268 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	1.29		0.023	0.0029
208-96-8	Acenaphthylene	1.21		0.023	0.0035
120-12-7	Anthracene	1.40		0.023	0.0036
56-55-3	Benzo[a]anthracene	1.54		0.023	0.0024
50-32-8	Benzo[a]pyrene	1.50		0.023	0.0019
205-99-2	Benzo[b]fluoranthene	1.36		0.023	0.0033
191-24-2	Benzo[g,h,i]perylene	1.28		0.023	0.0025
207-08-9	Benzo[k]fluoranthene	1.38		0.023	0.0024
218-01-9	Chrysene	1.23		0.023	0.0022
53-70-3	Dibenz(a,h)anthracene	1.38		0.023	0.0031
206-44-0	Fluoranthene	1.44		0.023	0.0046
129-00-0	Pyrene	1.38		0.023	0.0042
86-73-7	Fluorene	1.27		0.023	0.0030
193-39-5	Indeno[1,2,3-cd]pyrene	1.37		0.023	0.0025
91-20-3	Naphthalene	1.26		0.023	0.0037
85-01-8	Phenanthrene	1.35		0.023	0.0035

CAS NO.	SURROGATE	%REC	Q	LIMITS
1718-51-0	Terphenyl-d14	65		10-194
4165-60-0	Nitrobenzene-d5	65		10-117
321-60-8	2-Fluorobiphenyl	57		16-110

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D		
Lims ID:	510-62781-J-1-F MSD	Client ID:	SB0058:TP1:000020
Inject. Date:	11-Mar-2011 17:43:30	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	510-62781-1MSD		
Misc. Info.:	510-0004521-015 =510-0004521-015		
Operator:	wds	Instrument ID:	SMSB
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	77268	Lims Sample ID:	15
Detector:	MS SCAN		
Method:	\\valsvr08\ChromData\SMSB\20110311-4521.b\SIM-PNAB.m		
Last Update:	11-Mar-2011 16:35:39	Calib Date:	07-Mar-2011 14:14:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SMSB\20110307-4486.b\C3729.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:	14-Mar-2011 09:05:47

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
$ 49 Nitrobenzene-d5									
82	0.831	0.820	0.011	31	62533	32.7	70.0- 130.0	100.0	
128	0.831	0.820	0.011		39220		1742.7-1802.7	62.7	
54	0.831	0.820	0.011		35082		201.8- 261.8	56.1	
* 57 Naphthalene-d8									
136	1.541	1.541	0.001	40	198077	40.0	70.0- 130.0	100.0	
58 Naphthalene									
128	1.563	1.562	0.001	68	192852	33.5	70.0- 130.0	100.0	
129	1.563	1.562	0.001		20925		0.0- 40.7	10.9	
127	1.563	1.562	0.001		23697		0.0- 42.0	12.3	
62 2-Methylnaphthalene									
142	2.563	2.562	0.001	59	123348	34.6	70.0- 130.0	100.0	
141	2.563	2.562	0.001		103770		55.1- 115.1	84.1	
115	2.563	2.562	0.001		43851		5.5- 65.5	35.6	
$ 66 2-Fluorobiphenyl									
172	3.165	3.164	0.001	44	129932	28.5			
71 Acenaphthylene									
152	3.638	3.626	0.012	76	183982	32.1	70.0- 130.0	100.0	
151	3.638	3.626	0.012		35724		0.0- 49.2	19.4	
* 73 Acenaphthene-d10									
164	3.842	3.831	0.011	13	108725	40.0	70.0- 130.0	100.0	
162	3.842	3.831	0.011		84630		52.3- 112.3	77.8	
74 Acenaphthene									
154	3.874	3.863	0.011	56	91716	34.3	70.0- 130.0	100.0	
152	3.874	3.863	0.011		47907		19.5- 79.5	52.2	
153	3.874	3.863	0.011		96816		74.0- 134.0	105.6	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
80 Fluorene									
166	4.466	4.444	0.022	70	124310	33.8	70.0- 130.0	100.0	
165	4.455	4.444	0.011		112573		62.1- 122.1	90.6	
* 90 Phenanthrene-d10									
188	5.470	5.458	0.012	4	134174	40.0	70.0- 130.0	100.0	
91 Phenanthrene									
178	5.495	5.470	0.025	9	156343	35.9	70.0- 130.0	100.0	
179	5.495	5.470	0.025		25255		0.0- 45.5	16.2	
92 Anthracene									
178	5.532	5.520	0.012	38	168743	37.1	70.0- 130.0	100.0	
179	5.532	5.520	0.012		25611		0.0- 45.2	15.2	
95 Fluoranthene									
202	6.784	6.772	0.012	60	147230	38.2	70.0- 130.0	100.0	
101	6.784	6.772	0.012		26105		0.0- 49.2	17.7	
203	6.784	6.772	0.012		26719		0.0- 47.1	18.1	
97 Pyrene									
202	6.995	6.982	0.013	59	153445	36.7	70.0- 130.0	100.0	
101	6.995	6.982	0.013		30871		0.0- 49.2	20.1	
$ 98 Terphenyl-d14									
244	7.453	7.429	0.024	46	66838	32.4	70.0- 130.0	100.0	
122	7.441	7.429	0.012		15615		0.0- 52.7	23.4	
101 Benzo[a]anthracene									
228	8.532	8.519	0.013	60	137025	40.9	70.0- 130.0	100.0	
229	8.532	8.519	0.013		27479		0.0- 50.5	20.1	
226	8.532	8.519	0.013		41472		0.3- 60.3	30.3	
* 103 Chrysene-d12									
240	8.556	8.532	0.024	14	86697	40.0	70.0- 130.0	100.0	
104 Chrysene									
228	8.569	8.556	0.013	53	113122	32.7	70.0- 130.0	100.0	
226	8.569	8.556	0.013		36725		1.2- 61.2	32.5	
229	8.569	8.556	0.013		22983		0.0- 52.1	20.3	
106 Benzo[b]fluoranthene									M
252	9.449	9.449	0.013	31	114482	36.2	70.0- 130.0	100.0	M
253	9.461	9.449	0.025		48425		0.0- 51.8	42.3	
107 Benzo[k]fluoranthene									M
252	9.461	9.461	0.012	33	158807	36.7	70.0- 130.0	100.0	M
253	9.461	9.461	0.012		48425		0.0- 51.8	30.5	
108 Benzo[a]pyrene									
252	9.647	9.635	0.012	22	106229	39.9	70.0- 130.0	100.0	
253	9.647	9.635	0.012		23617		0.0- 51.8	22.2	
* 109 Perylene-d12									
264	9.697	9.684	0.013	25	58402	40.0	70.0- 130.0	100.0	
110 Indeno[1,2,3-cd]pyrene									M
276	10.354	10.354	0.013	15	75836	36.2	70.0- 130.0	100.0	M
138	10.341	10.354	0.000		20254		10.0- 70.0	26.7	
111 Dibenz(a,h)anthracene									M
278	10.403	10.403	0.012	4	65305	36.7	70.0- 130.0	100.0	M
139	10.391	10.403	0.000		18115		2.2- 62.2	27.7	

Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Ratio Range	Ratio	Flags
24 Benzo[g,h,i]perylene									
276	10.490	10.465	0.025	5	64153	34.1	70.0- 130.0	100.0	
138	10.478	10.465	0.013		25386		10.0- 70.0	39.6	

QC Flag Legend

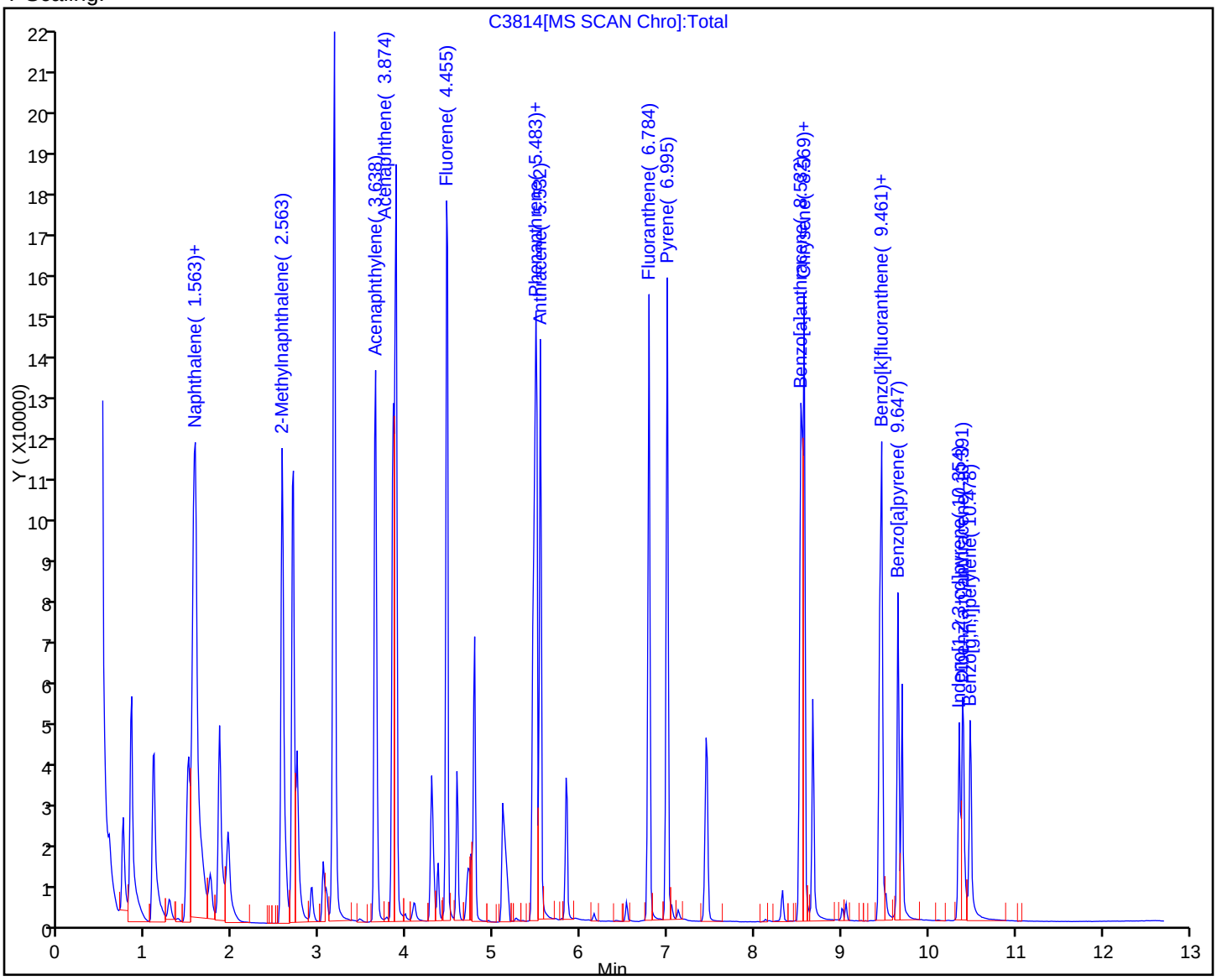
Review Flags
M - Manually Integrated

Report Date: 14-Mar-2011 09:05:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D

Injection Date:	11-Mar-2011 17:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	15
Operator ID:	wds	Injection Vol:	1.00 ul

Y Scaling:



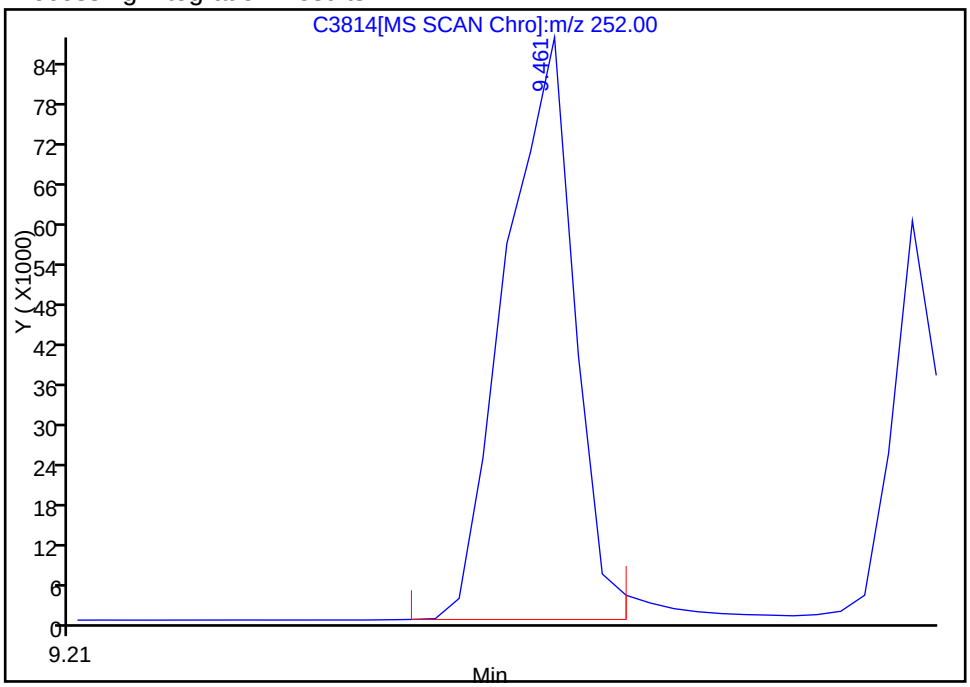
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D		
Injection Date:	11-Mar-2011 17:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	15
Operator ID:	wds	Injection Vol:	1.00 ul

106 Benzo[b]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.44

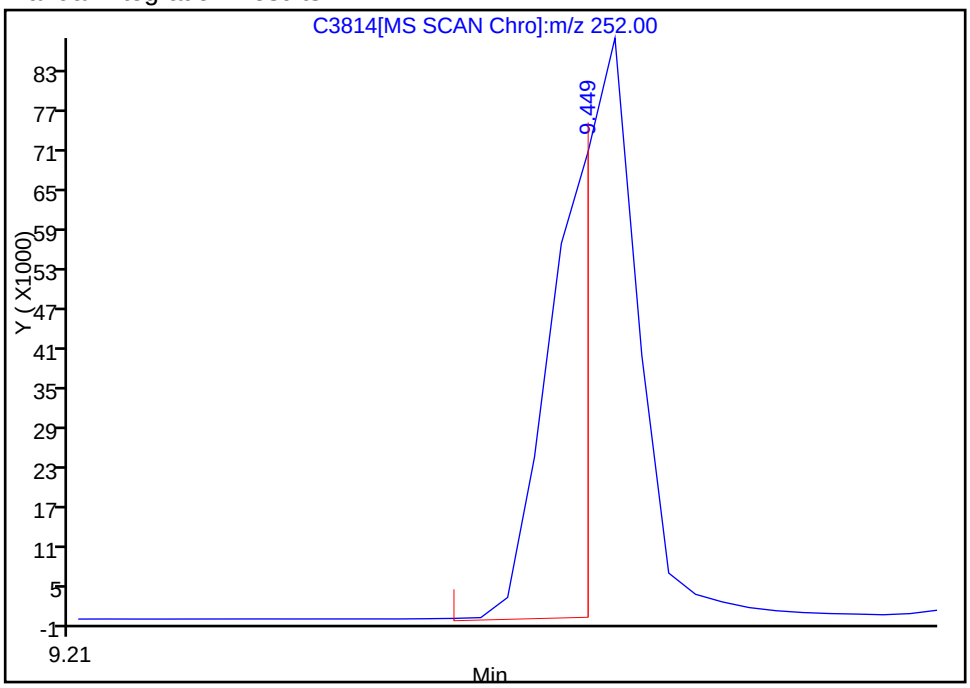
Processing Integration Results

RT: 9.46
Response: 215703
Amount: 68.033394



Manual Integration Results

RT: 9.45
Response: 114482
Amount: 36.193325



Reviewer: squiresb, 14-Mar-2011 09:05:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:05:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

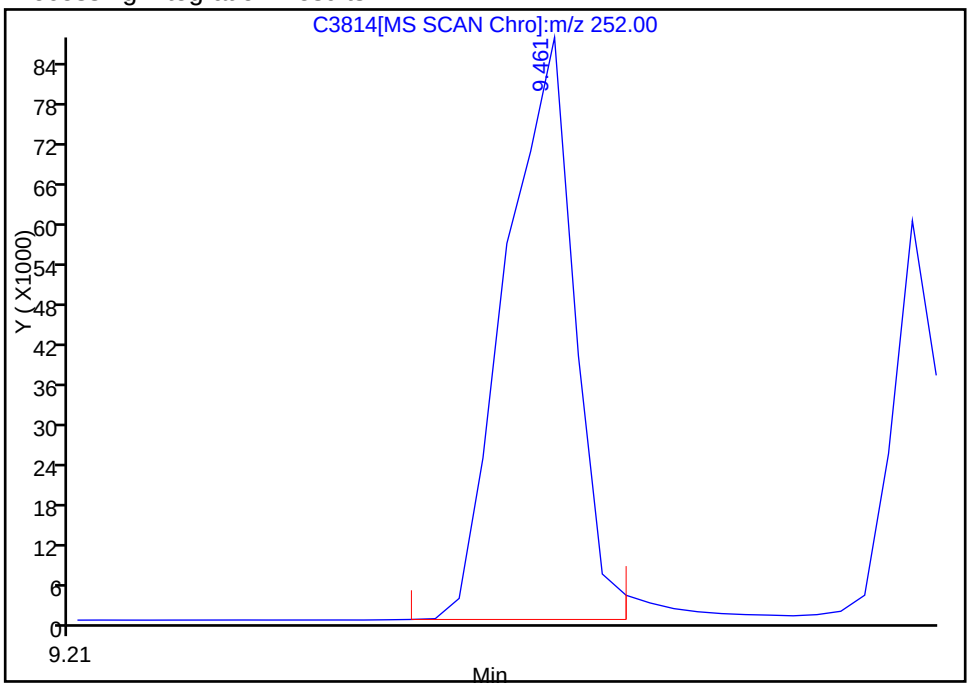
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D		
Injection Date:	11-Mar-2011 17:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	15
Operator ID:	wds	Injection Vol:	1.00 ul

107 Benzo[k]fluoranthene, Signal: 1, m/z: 252.0 Type: quant, RT: 9.45

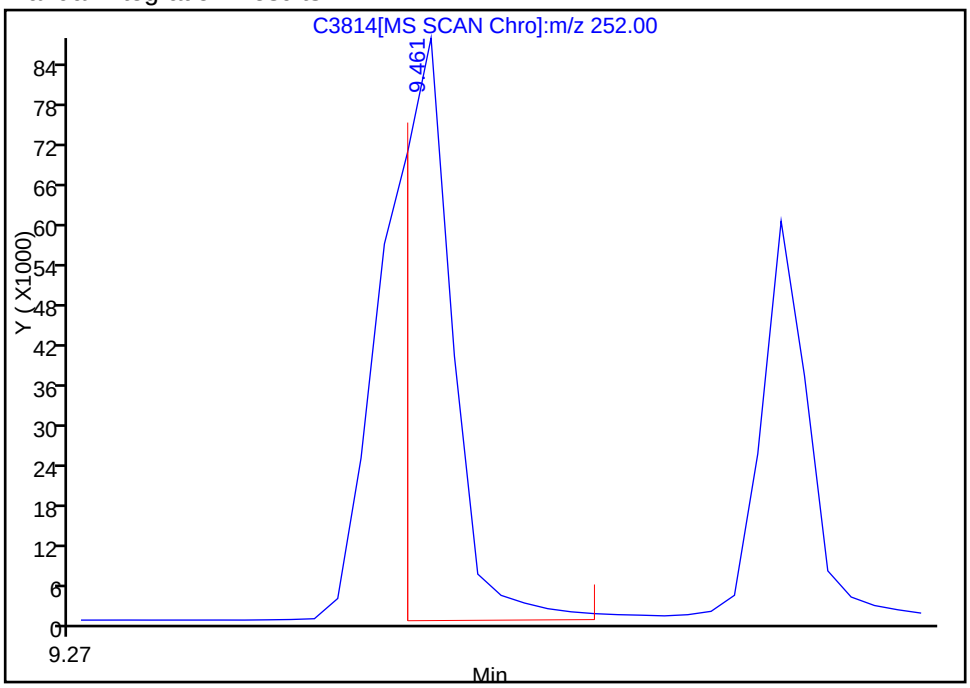
Processing Integration Results

RT: 9.46
Response: 215703
Amount: 49.871419



Manual Integration Results

RT: 9.46
Response: 158807
Amount: 36.716830



Reviewer: squiresb, 14-Mar-2011 09:05:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:05:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

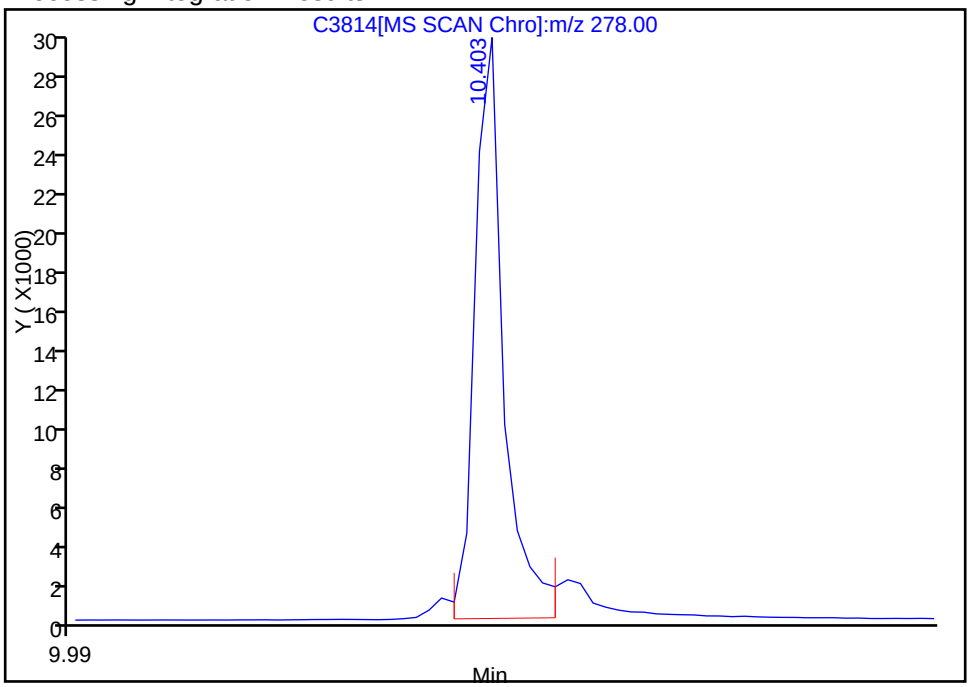
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D		
Injection Date:	11-Mar-2011 17:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	15
Operator ID:	wds	Injection Vol:	1.00 ul

111 Dibenz(a,h)anthracene, Signal: 1, m/z: 278.0 Type: quant, RT: 10.39

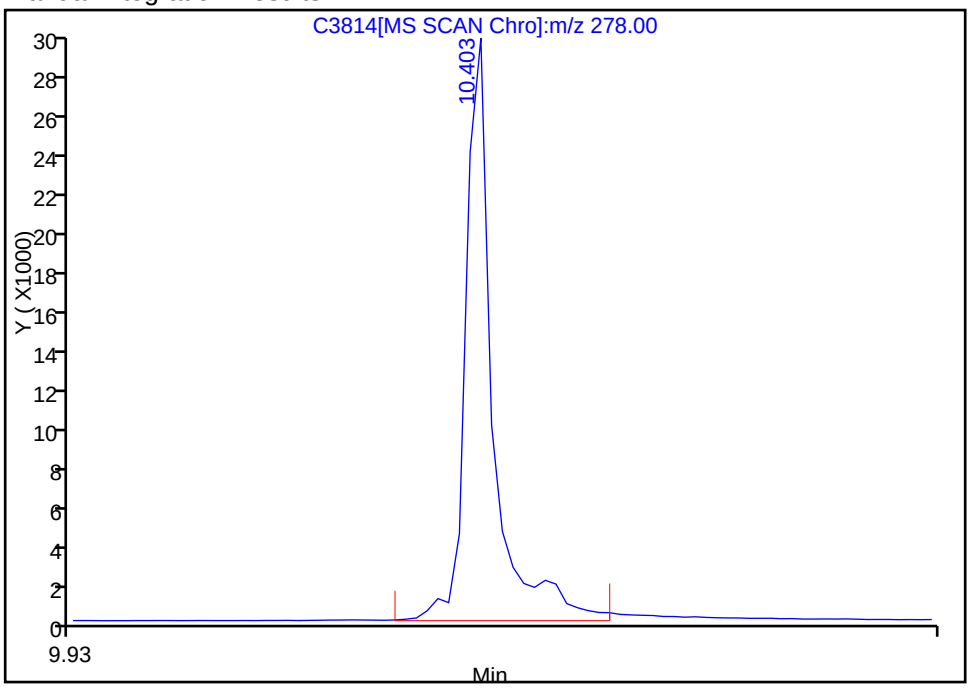
Processing Integration Results

RT: 10.40
Response: 58308
Amount: 32.826580



Manual Integration Results

RT: 10.40
Response: 65305
Amount: 36.745352



Reviewer: squiresb, 14-Mar-2011 09:05:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Report Date: 14-Mar-2011 09:05:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

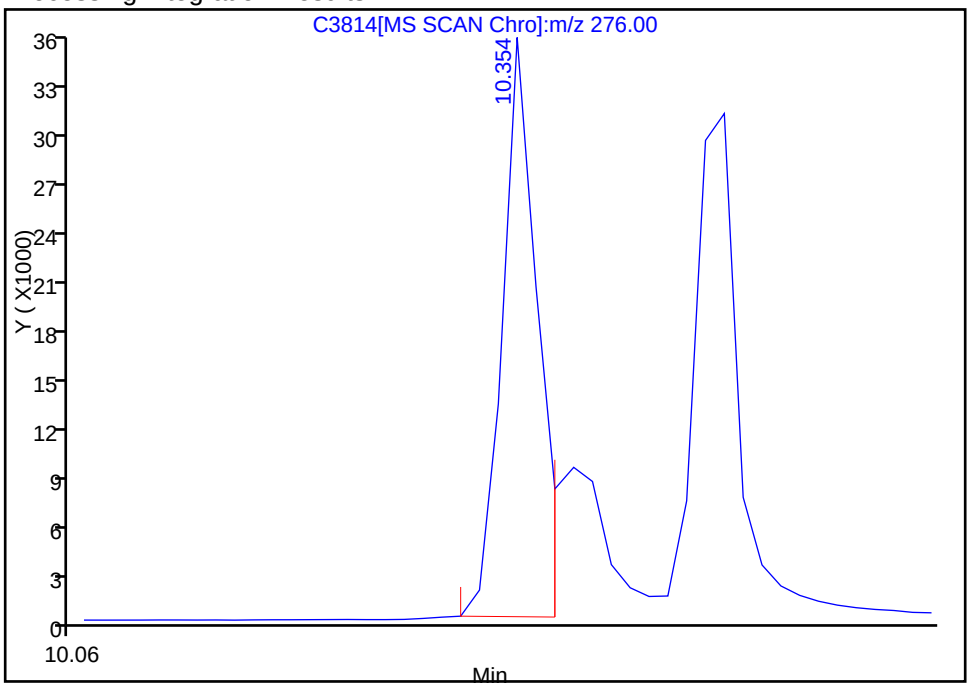
Manual Integration/User Assign Peak Report

Data File:	\\valsvr08\ChromData\SMSB\20110311-4521.b\C3814.D		
Injection Date:	11-Mar-2011 17:43:30	Limit Group:	SMS - 1 - 8270 SIM Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SMSB
Lims Batch ID:	77268	Lims Sample ID:	15
Operator ID:	wds	Injection Vol:	1.00 ul

110 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 10.34

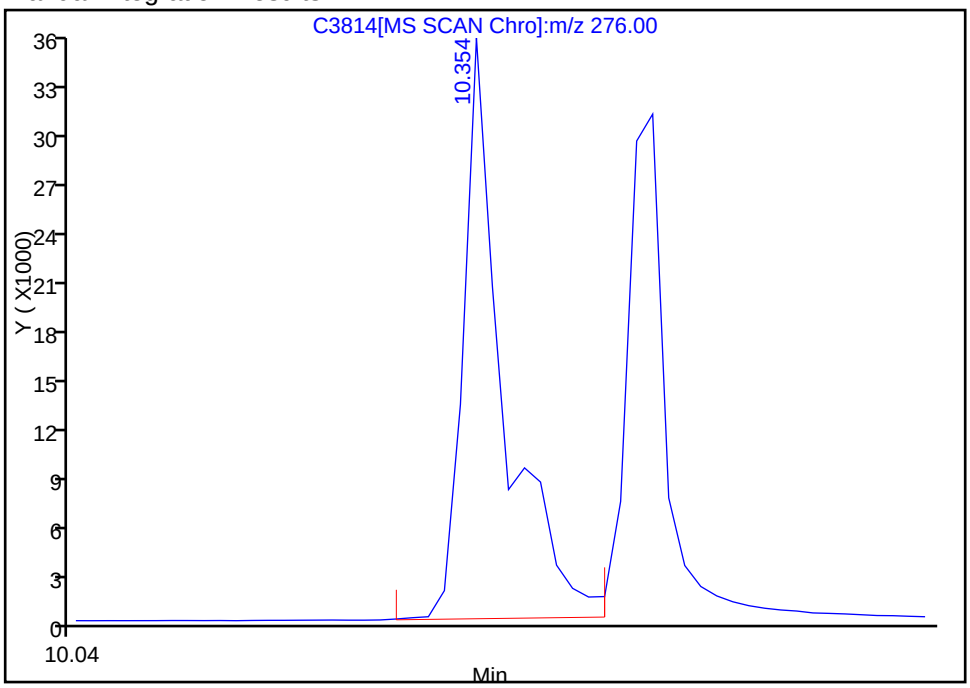
Processing Integration Results

RT: 10.35
Response: 57025
Amount: 27.321276



Manual Integration Results

RT: 10.35
Response: 75836
Amount: 36.233527



Reviewer: squiresb, 14-Mar-2011 09:05:47
Audit Action: Manually Integrated
Audit Reason: Assign Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Start Date: 03/07/2011 11:30

Analysis Batch Number: 76981 End Date: 03/07/2011 20:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-76981/1		03/07/2011 11:30	1	C3720.D	8270/625 0.25(mm)
SSTD020 510-76981/2 ICV		03/07/2011 11:40	1		8270/625 0.25(mm)
IC 510-76981/3		03/07/2011 12:07	1	C3722.D	8270/625 0.25(mm)
IC 510-76981/4		03/07/2011 12:25	1	C3723.D	8270/625 0.25(mm)
IC 510-76981/5		03/07/2011 12:43	1	C3724.D	8270/625 0.25(mm)
IC 510-76981/6		03/07/2011 13:01	1	C3725.D	8270/625 0.25(mm)
IC 510-76981/7		03/07/2011 13:19	1	C3726.D	8270/625 0.25(mm)
IC 510-76981/8 ICIS		03/07/2011 13:38	1	C3727.D	8270/625 0.25(mm)
IC 510-76981/9		03/07/2011 13:56	1	C3728.D	8270/625 0.25(mm)
IC 510-76981/10		03/07/2011 14:14	1	C3729.D	8270/625 0.25(mm)
ZZZZZ		03/07/2011 14:37	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 14:55	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 15:13	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 15:31	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 15:49	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 16:07	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 16:25	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 16:44	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 17:02	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 17:20	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 17:38	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 17:56	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 18:14	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 18:33	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 18:51	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 19:09	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 19:27	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 19:45	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 20:03	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 20:21	1		8270/625 0.25(mm)
ZZZZZ		03/07/2011 20:39	1		8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Start Date: 03/11/2011 13:36

Analysis Batch Number: 77268 End Date: 03/11/2011 18:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-77268/1		03/11/2011 13:36	1	C3800.D	8270/625 0.25(mm)
SSTD020 510-77268/3 CCVIS		03/11/2011 14:07	1	C3802.D	8270/625 0.25(mm)
ZZZZZ		03/11/2011 14:27	10		8270/625 0.25(mm)
ZZZZZ		03/11/2011 14:45	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:03	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:21	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:38	1		8270/625 0.25(mm)
ZZZZZ		03/11/2011 15:56	1		8270/625 0.25(mm)
MB 510-77007/1-A		03/11/2011 16:14	1	C3809.D	8270/625 0.25(mm)
LCS 510-77007/2-A		03/11/2011 16:32	1	C3810.D	8270/625 0.25(mm)
ZZZZZ		03/11/2011 16:50	10		8270/625 0.25(mm)
510-62781-1	SB0058:TP1:000020	03/11/2011 17:08	1	C3812.D	8270/625 0.25(mm)
510-62781-1 MS	SB0058:TP1:000020 MS	03/11/2011 17:25	1	C3813.D	8270/625 0.25(mm)
510-62781-1 MSD	SB0058:TP1:000020 MSD	03/11/2011 17:43	1	C3814.D	8270/625 0.25(mm)
510-62781-2	SB0058:TP1:040050	03/11/2011 18:01	1	C3815.D	8270/625 0.25(mm)
510-62781-3	SB0058:TP2:000020	03/11/2011 18:19	1	C3816.D	8270/625 0.25(mm)
510-62781-4	SB0058:TP2:040050	03/11/2011 18:37	1	C3817.D	8270/625 0.25(mm)
510-62781-5	SB0058: FIELD DUPLICATE	03/11/2011 18:55	1	C3818.D	8270/625 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SMSB Start Date: 03/14/2011 12:50

Analysis Batch Number: 77355 End Date: 03/14/2011 13:56

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 510-77355/1		03/14/2011 12:50	1	C3820.D	8270/625 0.25(mm)
SSTD020 510-77355/3 CCVIS		03/14/2011 13:21	1	C3822.D	8270/625 0.25(mm)
510-62781-1	SB0058:TP1:000020	03/14/2011 13:38	1	C3823.D	8270/625 0.25(mm)
510-62781-3	SB0058:TP2:000020	03/14/2011 13:56	1	C3824.D	8270/625 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 77007 Batch Start Date: 03/08/11 07:55 Batch Analyst: Page, Sarah N

Batch Method: 3541 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MSB-SPIKE 00034	MSBSurr 00029		
MB 510-77007/1		3541, 8270C SIM		30 g	1 mL		500 uL		
LCS 510-77007/2		3541, 8270C SIM		30 g	1 mL	500 uL	500 uL		
510-62781-J-1	SB0058:TP1:000020	3541, 8270C SIM	T	30.68 g	1 mL		500 uL		
510-62781-J-1 MS	SB0058:TP1:000020	3541, 8270C SIM	T	30.85 g	1 mL	500 uL	500 uL		
510-62781-J-1 MSD	SB0058:TP1:000020	3541, 8270C SIM	T	30.06 g	1 mL	500 uL	500 uL		
510-62781-J-2	SB0058:TP1:040050	3541, 8270C SIM	T	30.72 g	1 mL		500 uL		
510-62781-J-3	SB0058:TP2:000020	3541, 8270C SIM	T	30.68 g	1 mL		500 uL		
510-62781-J-4	SB0058:TP2:040050	3541, 8270C SIM	T	30.43 g	1 mL		500 uL		
510-62781-J-5	SB0058: FIELD DUPLICATE	3541, 8270C SIM	T	30.59 g	1 mL		500 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00004
DCM/CS2 ID	dcm_00053
Vendor lot number	dcm_00053
Na2SO4 Lot Number	opna2so4_00019
Person's name who did the prep	Sarah Page
Solvent	dcm
First Start time	0755

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB624 ID: 0.2 (mm)

Client Sample ID	Lab Sample ID	TFT1 #	BFB1 #
SB0058:TP1:000020	510-62781-1	102	80
SB0058:TP1:040050	510-62781-2	113	105
SB0058:TP2:000020	510-62781-3	87	67
SB0058:TP2:040050	510-62781-4	101	93
SB0058: FIELD DUPLICATE	510-62781-5	101	92
	MB 500-107159/3	108	105
	LCS 500-107159/4	106	105
SB0058:TP1:000020 MS	510-62781-1 MS	110	97
SB0058:TP1:000020 MSD	510-62781-1 MSD	116	102

	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 03091114_004.d

Lab ID: LCS 500-107159/4 Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C5-C12	0.400	0.374	93	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 03091114_006.d

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C5-C12	0.454	0.028	0.434	89	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 03091114_007.d

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C5-C12	0.342	0.351	94	21	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.: 510-62781-1

SDG No.:

Lab Sample ID: MB 500-107159/3

Matrix: Solid Date Extracted:

Lab File ID:(1) 03091114_003.d Lab File ID:(2)

Date Analyzed:(1) 03/09/2011 06:06 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 500-107159/4	03/09/2011 06:41	
SB0058:TP1:000020 MS	510-62781-1 MS	03/09/2011 07:50	
SB0058:TP1:000020 MSD	510-62781-1 MSD	03/09/2011 08:25	
SB0058:TP1:040050	510-62781-2	03/09/2011 08:59	
SB0058:TP2:000020	510-62781-3	03/09/2011 09:34	
SB0058:TP2:040050	510-62781-4	03/09/2011 10:09	
SB0058: FIELD DUPLICATE	510-62781-5	03/09/2011 10:43	
SB0058:TP1:000020	510-62781-1	03/09/2011 11:18	

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 | Lab Sample ID: 510-62781-1

Matrix: Solid | Lab File ID: 03091114_012.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 6.8087(g) | Date Analyzed: 03/09/2011 11:18

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.028		0.017	0.0064

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	80		51-117
98-08-8	a,a,a-Trifluorotoluene	102		64-116

Report Date: 10-Mar-2011 01:19:43 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_012.d		
Lims ID:	510-62781-A-1-A	Client ID:	SB0058:TP1:000020
Inject. Date:	09-Mar-2011 11:18:25	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-A-1-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	12
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:10:56	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 10-Mar-2011 01:19:43

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.700	11.718	-0.018	9132	20.5	
A 5 C5-C12	14.648	4.445 - 24.852		306392	34.2	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	7473	16.0	

Report Date: 10-Mar-2011 01:19:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_012.d

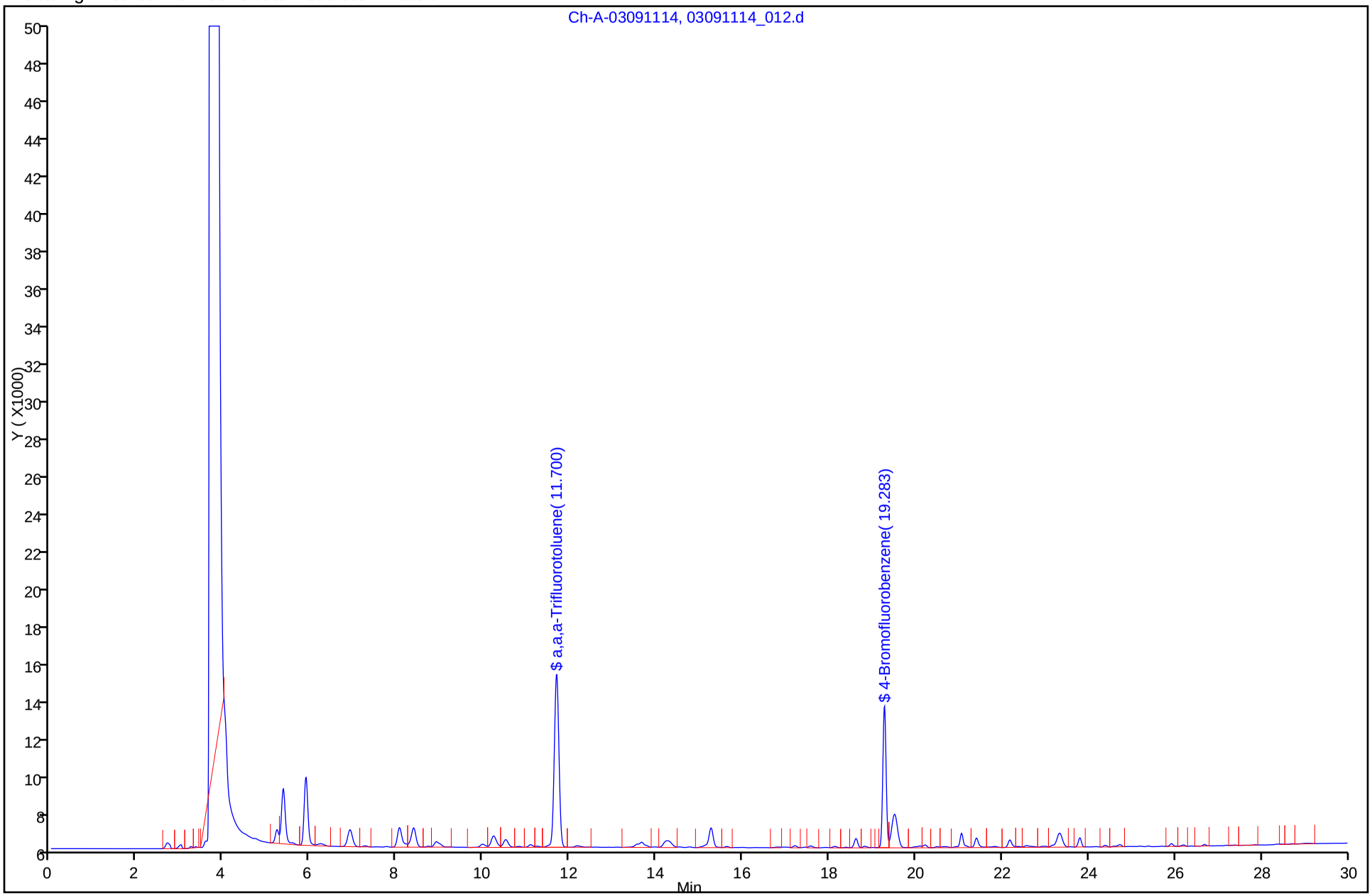
Injection Date: 09-Mar-2011 11:18:25 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 12

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 10-Mar-2011 01:19:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_012.d

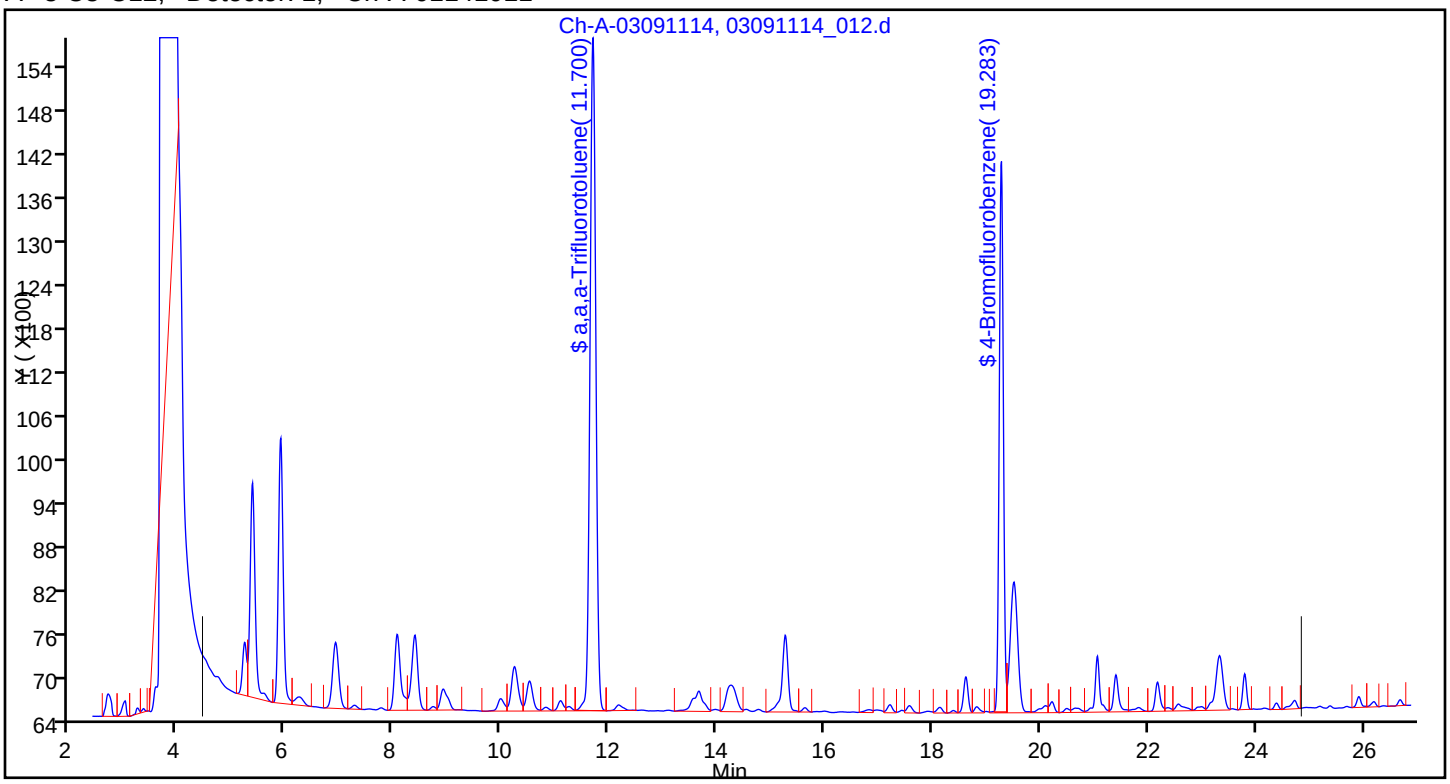
Injection Date: 09-Mar-2011 11:18:25 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 | Lab Sample ID: 510-62781-2

Matrix: Solid | Lab File ID: 03091114_008.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:20

Sample wt/vol: 5.6813(g) | Date Analyzed: 03/09/2011 08:59

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 10.4 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.039		0.020	0.0076

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		51-117
98-08-8	a,a,a-Trifluorotoluene	113		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_008.d		
Lims ID:	510-62781-B-2-A	Client ID:	SB0058:TP1:040050
Inject. Date:	09-Mar-2011 08:59:48	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-2-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	8
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.698	11.718	-0.020	10050	22.6	
A 5 C5-C12	14.648	4.445 - 24.852		341865	39.2	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	9745	21.0	

Report Date: 10-Mar-2011 01:06:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_008.d

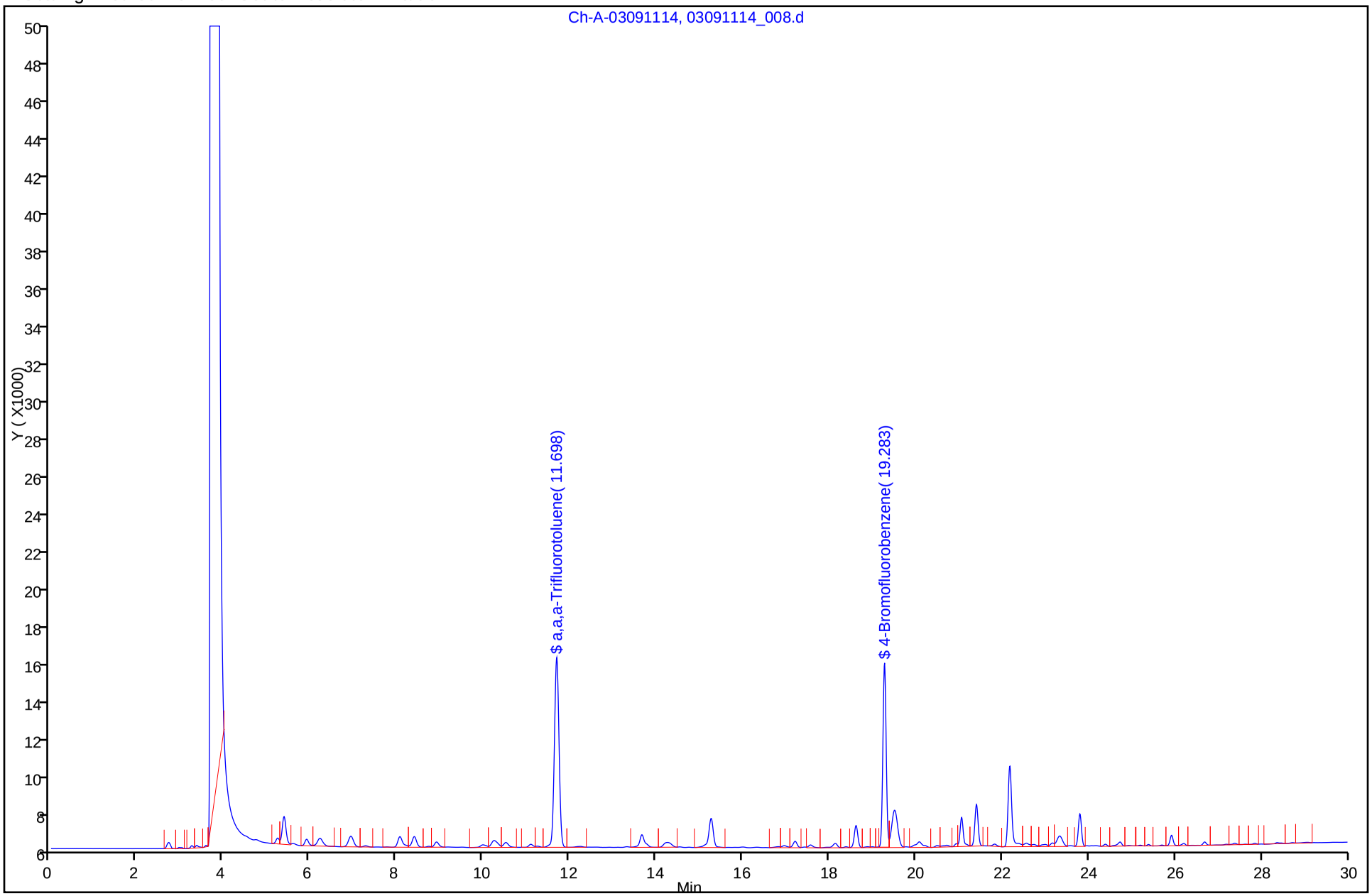
Injection Date: 09-Mar-2011 08:59:48 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:040050 Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 8

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 10-Mar-2011 01:06:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_008.d

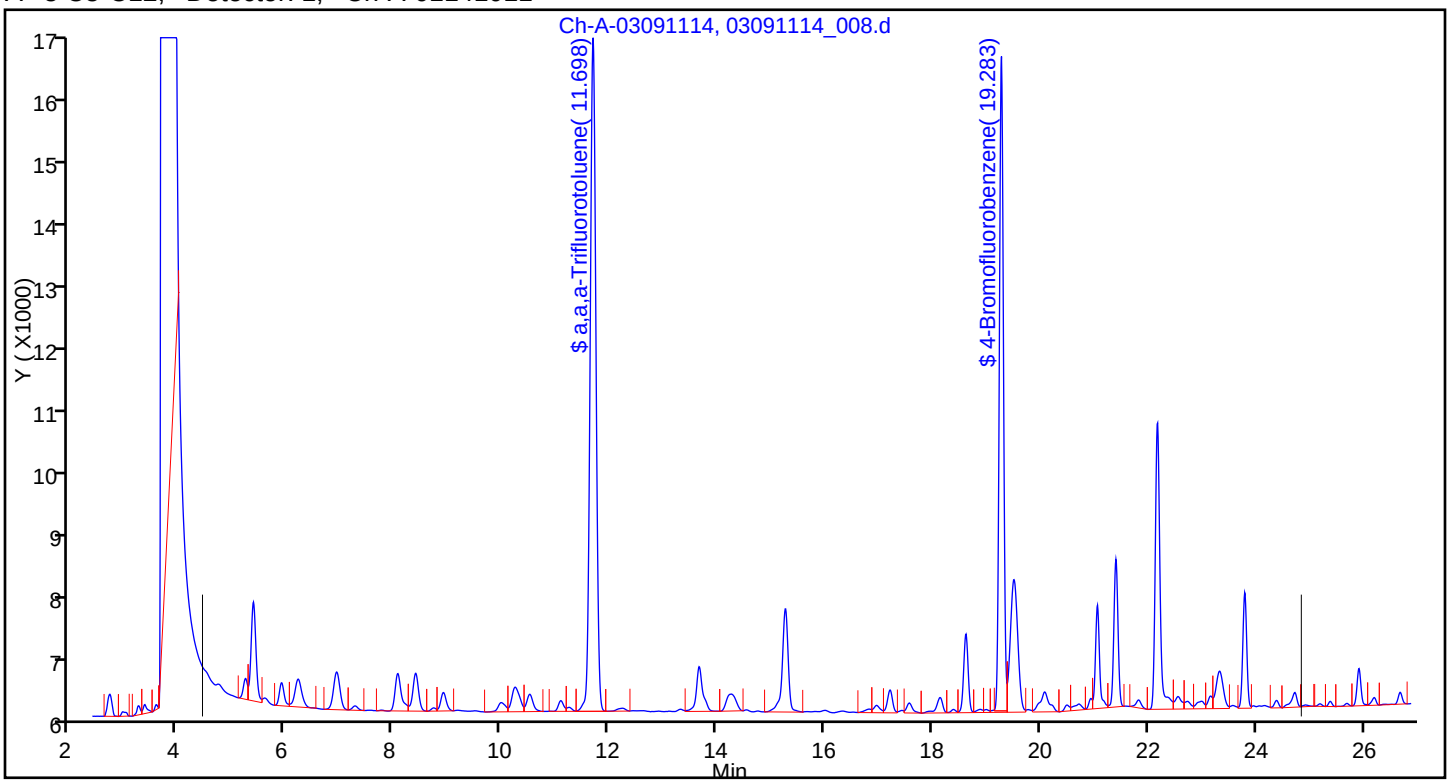
Injection Date: 09-Mar-2011 08:59:48 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:040050 Instrument ID: INST13-14

Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 | Lab Sample ID: 510-62781-3

Matrix: Solid | Lab File ID: 03091114_009.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:40

Sample wt/vol: 5.9688(g) | Date Analyzed: 03/09/2011 09:34

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 13.1 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.22		0.019	0.0074

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	67		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\20110309-2470.b\03091114_009.d		
Lims ID:	510-62781-B-3-A	Client ID:	SB0058:TP2:000020
Inject. Date:	09-Mar-2011 09:34:30	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-3-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	9
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 10-Mar-2011 01:04:58

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.700	11.718	-0.018	7747	17.3	
A	5 C5-C12	14.648	4.445 - 24.852		1643415	223.0	M
$	3 4-Bromofluorobenzene	19.283	19.302	-0.019	6273	13.4	

QC Flag Legend

Review Flags
M - Manually Integrated

Report Date: 10-Mar-2011 01:06:50 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_009.d

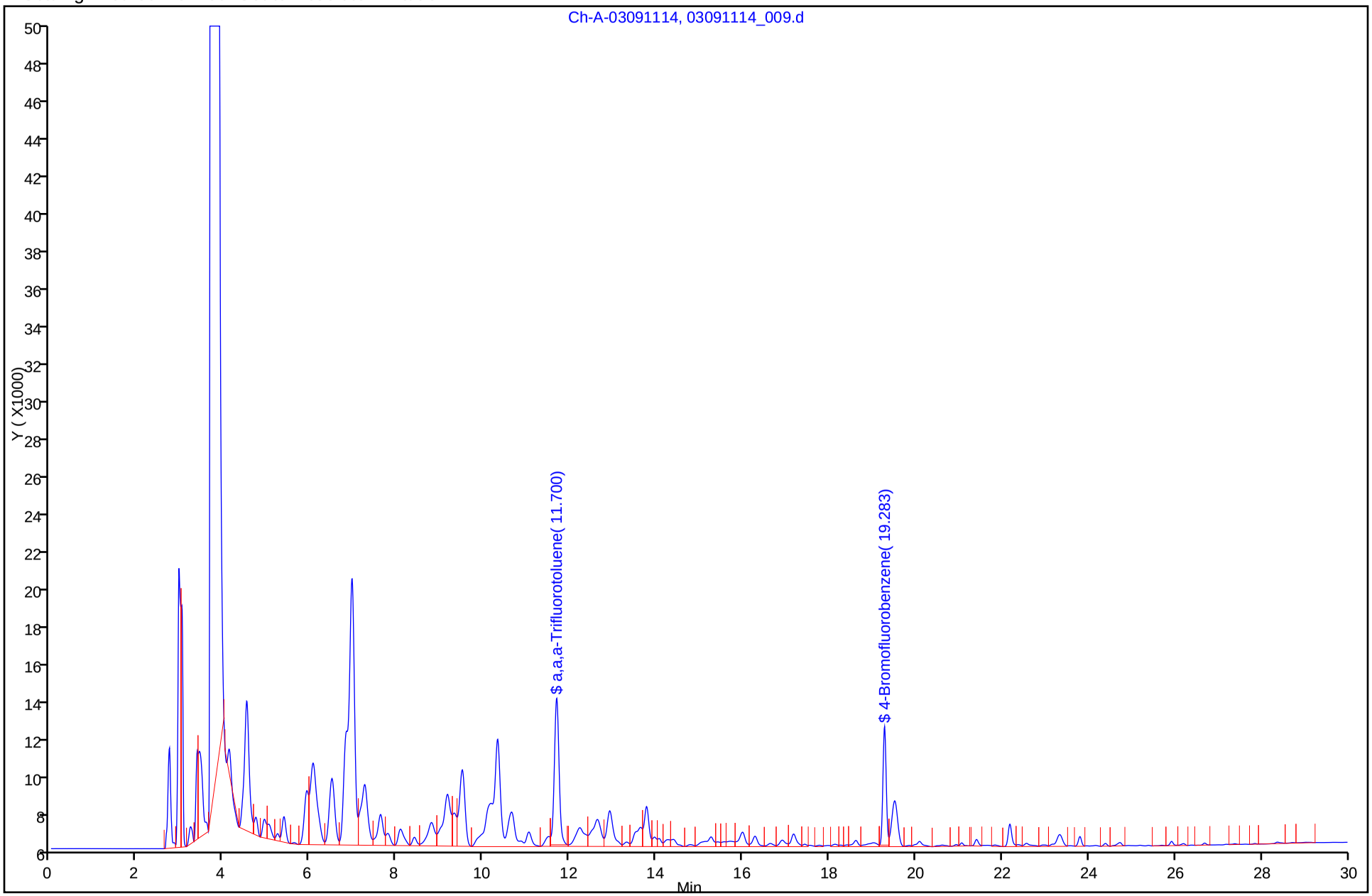
Injection Date: 09-Mar-2011 09:34:30 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP2:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 9

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 10-Mar-2011 01:06:50 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_009.d

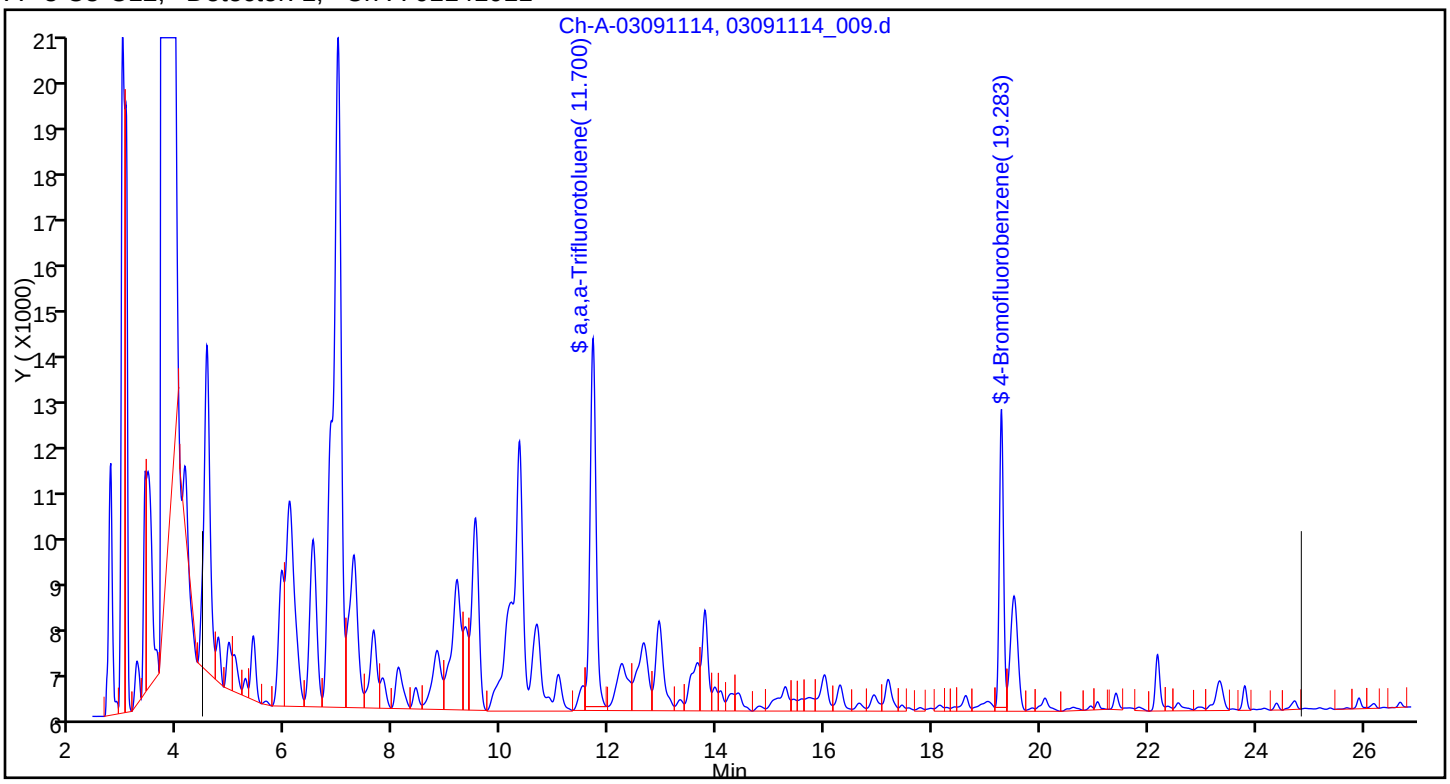
Injection Date: 09-Mar-2011 09:34:30 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP2:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 9

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



Report Date: 10-Mar-2011 01:06:50 Chrom Revision: 1.2 17-Feb-2011 18:05:56

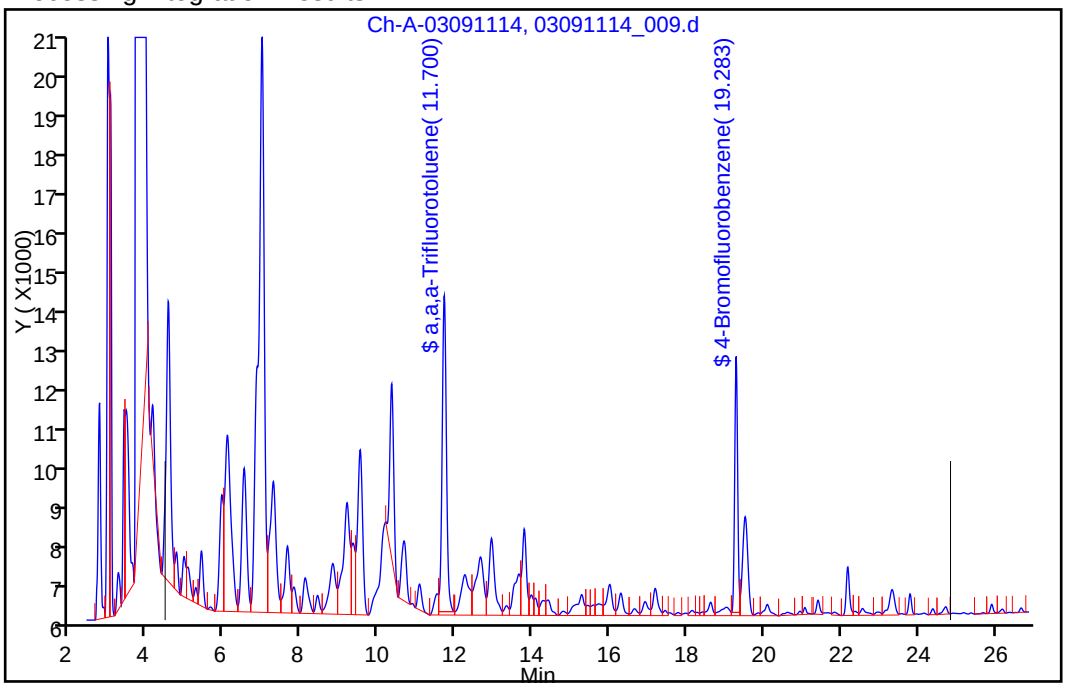
Manual Integration/User Assign Peak Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_009.d		
Injection Date:	09-Mar-2011 09:34:30	Limit Group:	GCVOA_8015B_GRO
Client ID:	SB0058:TP2:000020	Instrument ID:	INST13-14
Lims Batch ID:	107159	Lims Sample ID:	9
Operator ID:	estesw		

A 5 C5-C12, Signal: 1, Type: quant, RT: 14.65

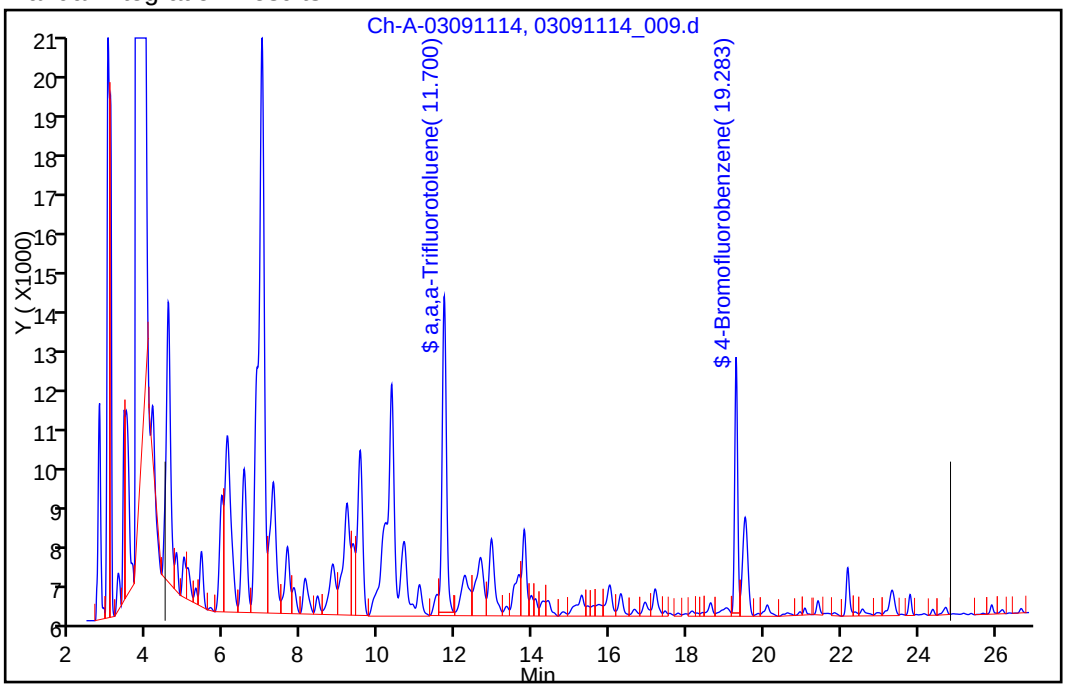
Processing Integration Results

RT: 14.65
Response: 1520138
Amount: 205.6163



Manual Integration Results

RT: 14.65
Response: 1643415
Amount: 223.0249



Reviewer: estesw, 10-Mar-2011 01:04:58
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 | Lab Sample ID: 510-62781-4

Matrix: Solid | Lab File ID: 03091114_010.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:50

Sample wt/vol: 6.1726(g) | Date Analyzed: 03/09/2011 10:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 8.8 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.024		0.018	0.0068

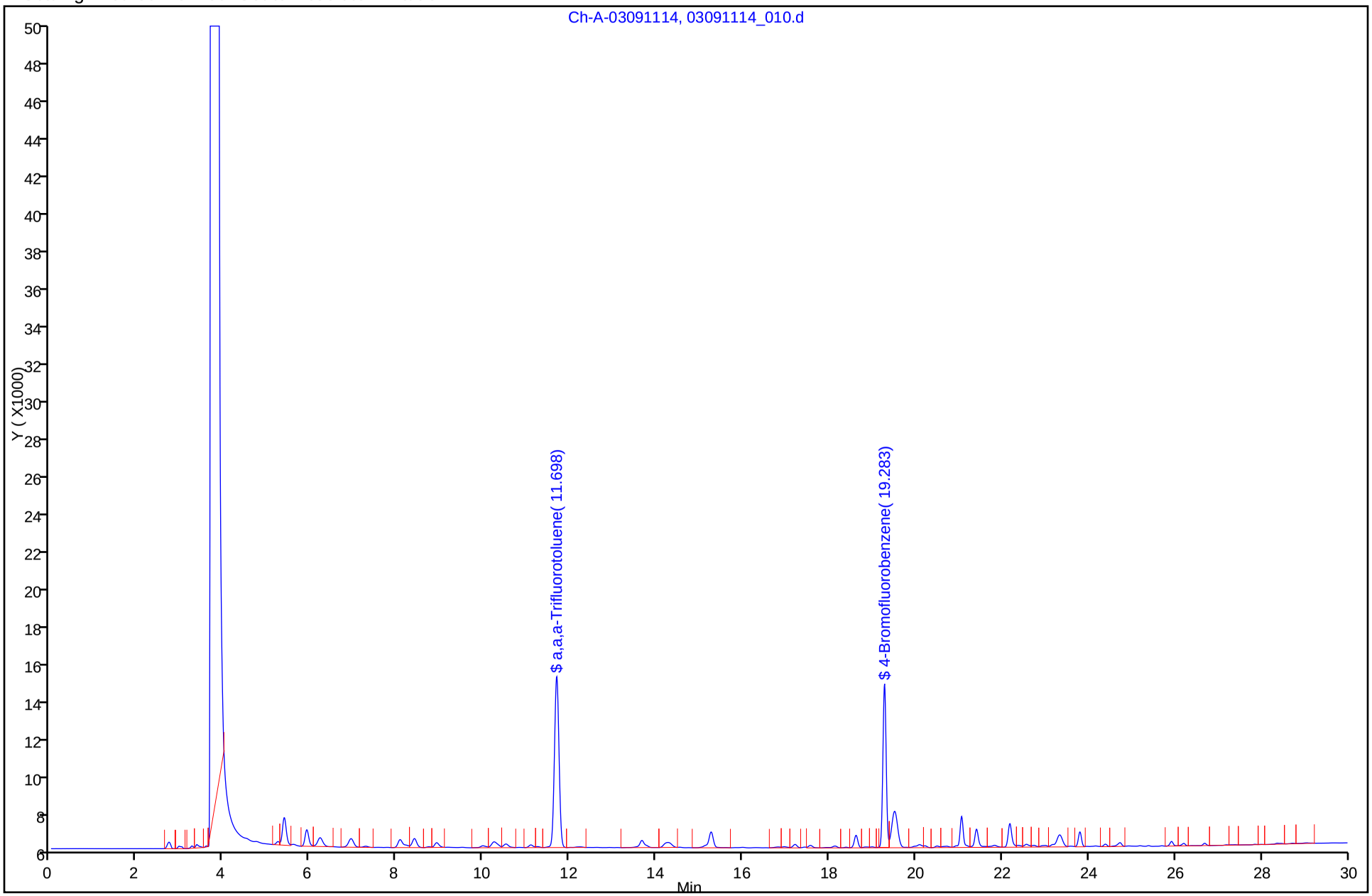
CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	93		51-117
98-08-8	a,a,a-Trifluorotoluene	101		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_010.d		
Lims ID:	510-62781-B-4-A	Client ID:	SB0058:TP2:040050
Inject. Date:	09-Mar-2011 10:09:13	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-4-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	10
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.698	11.718	-0.020	9046	20.3	
A 5 C5-C12	14.648	4.445 - 24.852		253102	26.7	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	8658	18.6	

Report Date: 10-Mar-2011 01:06:52 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_010.d
Injection Date: 09-Mar-2011 10:09:13 Limit Group: GCVOA_8015B_GRO
Client ID: SB0058:TP2:040050 Instrument ID: INST13-14
Lims Batch ID: 107159 Lims Sample ID: 10
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 10-Mar-2011 01:06:52 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_010.d

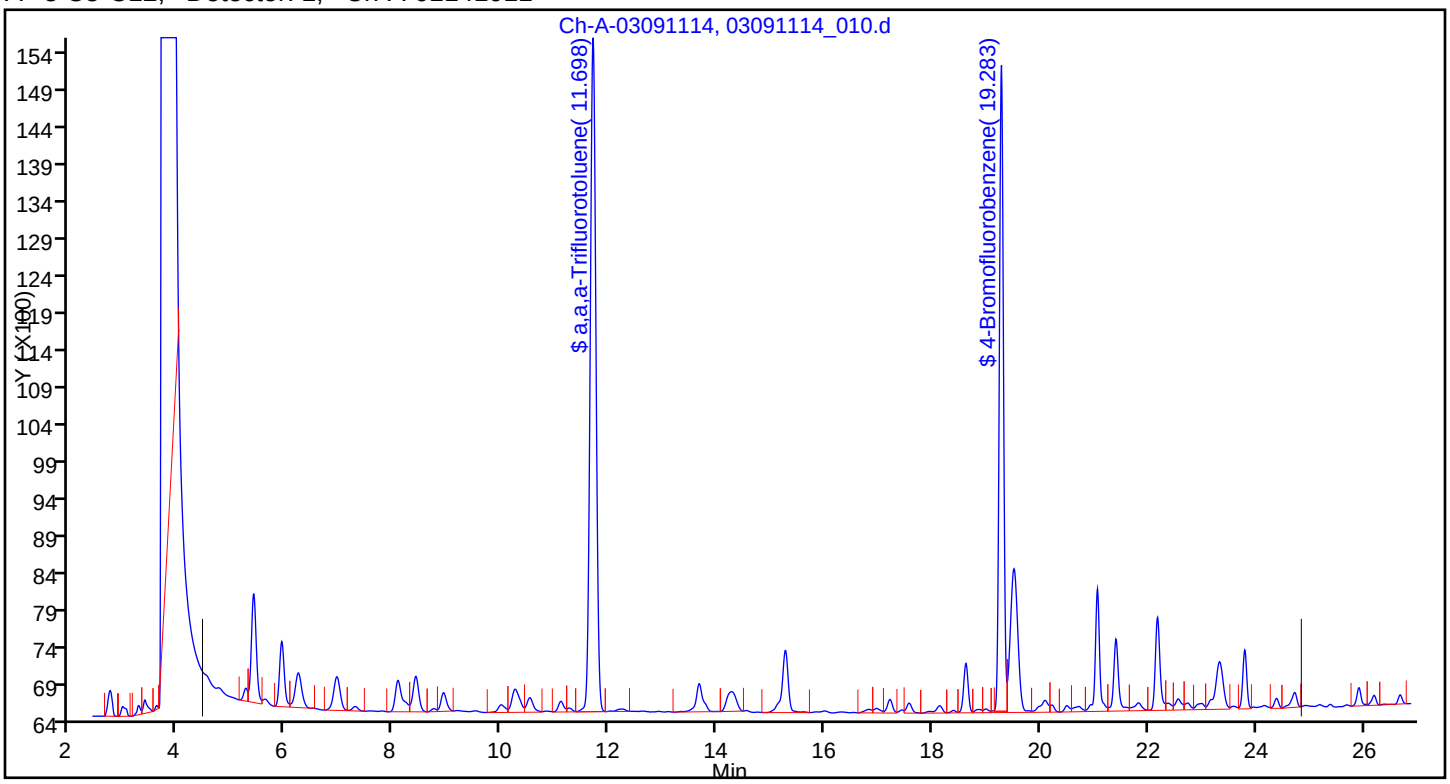
Injection Date: 09-Mar-2011 10:09:13 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP2:040050 Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 10

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE | Lab Sample ID: 510-62781-5

Matrix: Solid | Lab File ID: 03091114_011.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:30

Sample wt/vol: 5.7901(g) | Date Analyzed: 03/09/2011 10:43

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 8.4 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.026		0.019	0.0073

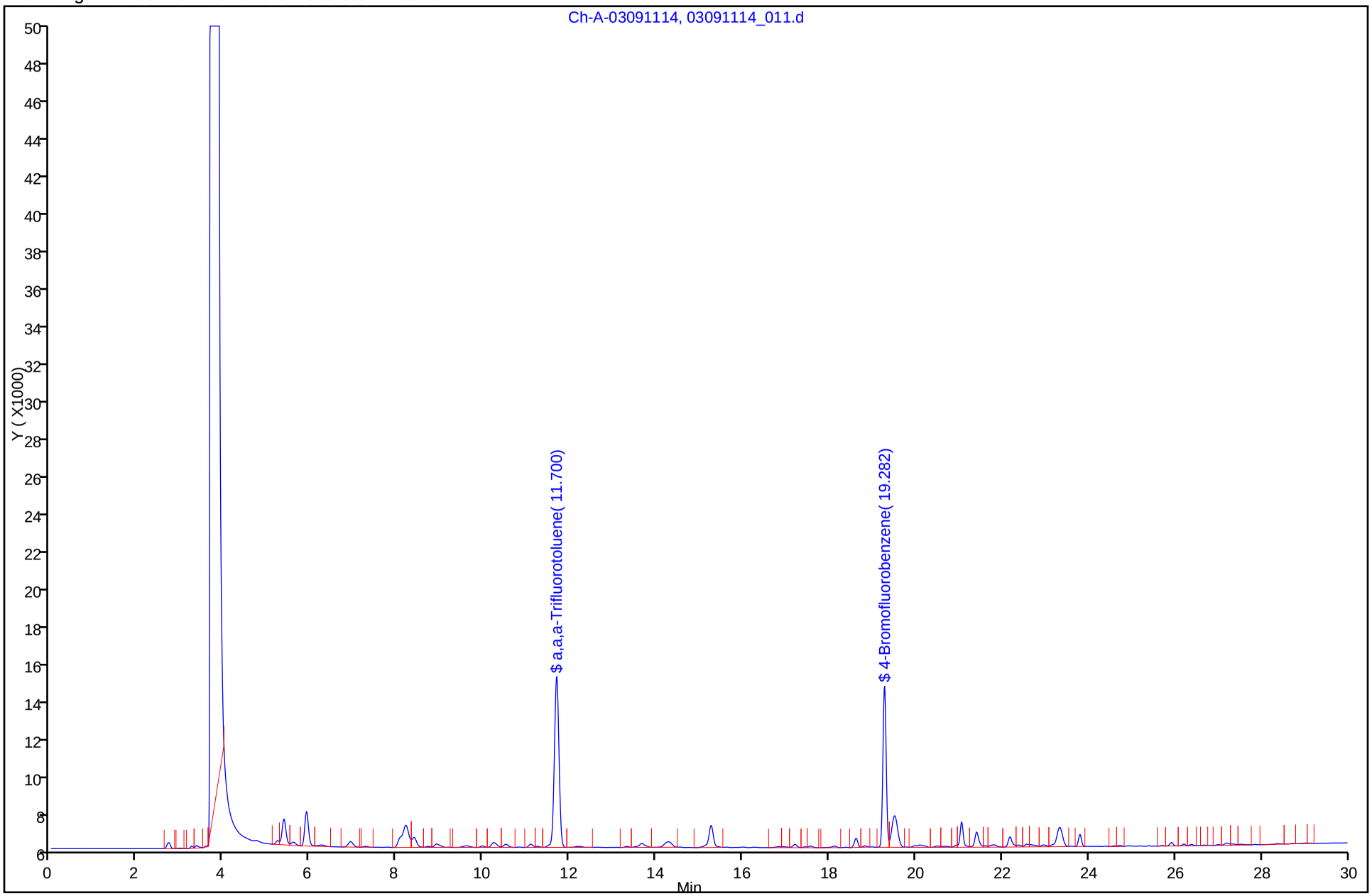
CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	92		51-117
98-08-8	a,a,a-Trifluorotoluene	101		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_011.d		
Lims ID:	510-62781-B-5-A	Client ID:	SB0058: FIELD DUPLICATE
Inject. Date:	09-Mar-2011 10:43:56	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-5-A		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	11
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.700	11.718	-0.018	9012	20.2	
A 5 C5-C12	14.648	4.445 - 24.852		258933	27.5	
$ 3 4-Bromofluorobenzene	19.282	19.302	-0.020	8554	18.4	

Report Date: 10-Mar-2011 01:06:53 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_011.d
Injection Date: 09-Mar-2011 10:43:56 Limit Group: GCVOA_8015B_GRO
Client ID: SB0058: FIELD DUPLICATE Instrument ID: INST13-14
Lims Batch ID: 107159 Lims Sample ID: 11
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 10-Mar-2011 01:06:53 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_011.d

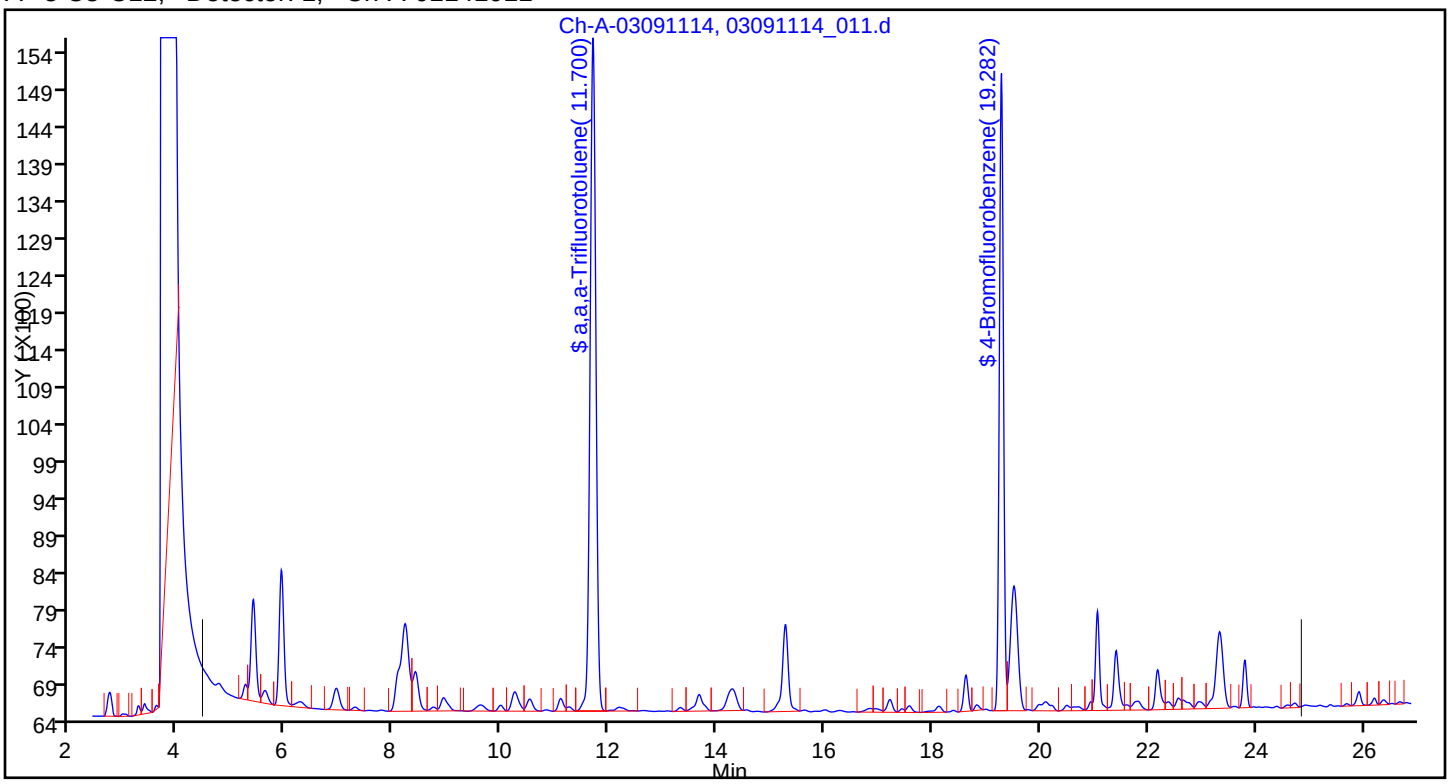
Injection Date: 09-Mar-2011 10:43:56 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058: FIELD DUPLICATE Instrument ID: INST13-14

Lims Batch ID: 107159 Lims Sample ID: 11

Operator ID: estesw

A 5 C5-C12, Detector: 1, Ch-A-01141011



FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-62781-1 Analy Batch No.: 107026

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 20:10 Calibration End Date: 03/07/2011 23:37 Calibration ID: 4116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-107026/2	03051114_031.d
Level 2	IC 500-107026/3	03051114_032.d
Level 3	IC 500-107026/4	03051114_033.d
Level 4	IC 500-107026/5	03051114_034.d
Level 5	IC 500-107026/6	03051114_035.d
Level 6	IC 500-107026/7	03051114_036.d
Level 7	IC 500-107026/8	03051114_037.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)	13.523	13.523	13.523	13.523	13.523	13.523	13.523				5.987 - 21.059	13.523
C5-C12	14.647	14.647	14.647	14.647	14.647	14.647	14.647				4.445 - 24.849	14.647
Gasoline Range Organics (GRO)-C6-C12	15.418	15.418	15.418	15.418	15.418	15.418	15.418				5.987 - 24.849	15.418
Gasoline Range Organics (GRO)-C6-C10	16.157	16.157	16.157	16.157	16.157	16.157	16.157				5.987 - 26.326	16.157
a,a,a-Trifluorotoluene	11.717	11.717	11.717	11.725	11.725	11.725	11.725				11.625 - 11.825	11.722
4-Bromofluorobenzene	19.300	19.300	19.300	19.308	19.308	19.308	19.308				19.208 - 19.408	19.305

FORM VI
GASOLINE RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Chicago Job No.: 510-62781-1 Analy Batch No.: 107026

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 20:10 Calibration End Date: 03/07/2011 23:37 Calibration ID: 4116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-107026/2	03051114_031.d
Level 2	IC 500-107026/3	03051114_032.d
Level 3	IC 500-107026/4	03051114_033.d
Level 4	IC 500-107026/5	03051114_034.d
Level 5	IC 500-107026/6	03051114_035.d
Level 6	IC 500-107026/7	03051114_036.d
Level 7	IC 500-107026/8	03051114_037.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)	8315.6 6376.4	7321.1 6213.3	6630.7 6436.8	6513.2	Lin2	41634.0276	6293.28907							1.0000		0.9900
C5-C12	10215 7215.5	8617.8 7015.4	7590.3 7301.6	7392.5	Lin2	64092.5208	7081.37198							0.9990		0.9900
Gasoline Range Organics (GRO)-C6-C12	10040 6941.6	8332.1 6749.9	7332.3 6925.7	7125.0	Lin2	66548.8975	6778.04603							1.0000		0.9900
Gasoline Range Organics (GRO)-C6-C10	10553 7030.9	8518.0 6831.5	7444.2 6994.9	7222.2	Lin2	75403.3426	6827.91347							1.0000		0.9900
a,a,a-Trifluorotoluene	8830.0 7146.5	7970.4 6979.5	7393.2 6893.5	7492.6	Lin2	102.660355	440.805594							0.9990		0.9900
4-Bromofluorobenzene	5938.0 5153.8	5221.6 5023.3	4987.6 4945.9	5291.2	Lin2	104.169066	459.144064							0.9990		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.: 510-62781-1 Analy Batch No.: 107026

SDG No.:

Instrument ID: INST13-14 GC Column: DB624 ID: 0.2(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/07/2011 20:10 Calibration End Date: 03/07/2011 23:37 Calibration ID: 4116

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 500-107026/2	03051114_031.d
Level 2	IC 500-107026/3	03051114_032.d
Level 3	IC 500-107026/4	03051114_033.d
Level 4	IC 500-107026/5	03051114_034.d
Level 5	IC 500-107026/6	03051114_035.d
Level 6	IC 500-107026/7	03051114_036.d
Level 7	IC 500-107026/8	03051114_037.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	166311 3727974	366055 6436845	663065	1302642	2550552	20.0 600	50.0 1000	100	200	400
C5-C12	Lin2	204309 4209245	430888 7301622	759031	1478509	2886207	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C12	Lin2	200805 4049961	416605 6925697	733226	1424996	2776637	20.0 600	50.0 1000	100	200	400
Gasoline Range Organics (GRO)-C6-C10	Lin2	211052 4098917	425902 6994869	744419	1444432	2812350	20.0 600	50.0 1000	100	200	400
a,a,a-Trifluorotoluene	Lin2	8830 209384	19926 344673	36966	74926	142930	1.00 30.0	2.50 50.0	5.00	10.0	20.0
4-Bromofluorobenzene	Lin2	5938 150699	13054 247297	24938	52912	103075	1.00 30.0	2.50 50.0	5.00	10.0	20.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

Report Date: 09-Mar-2011 06:14:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56

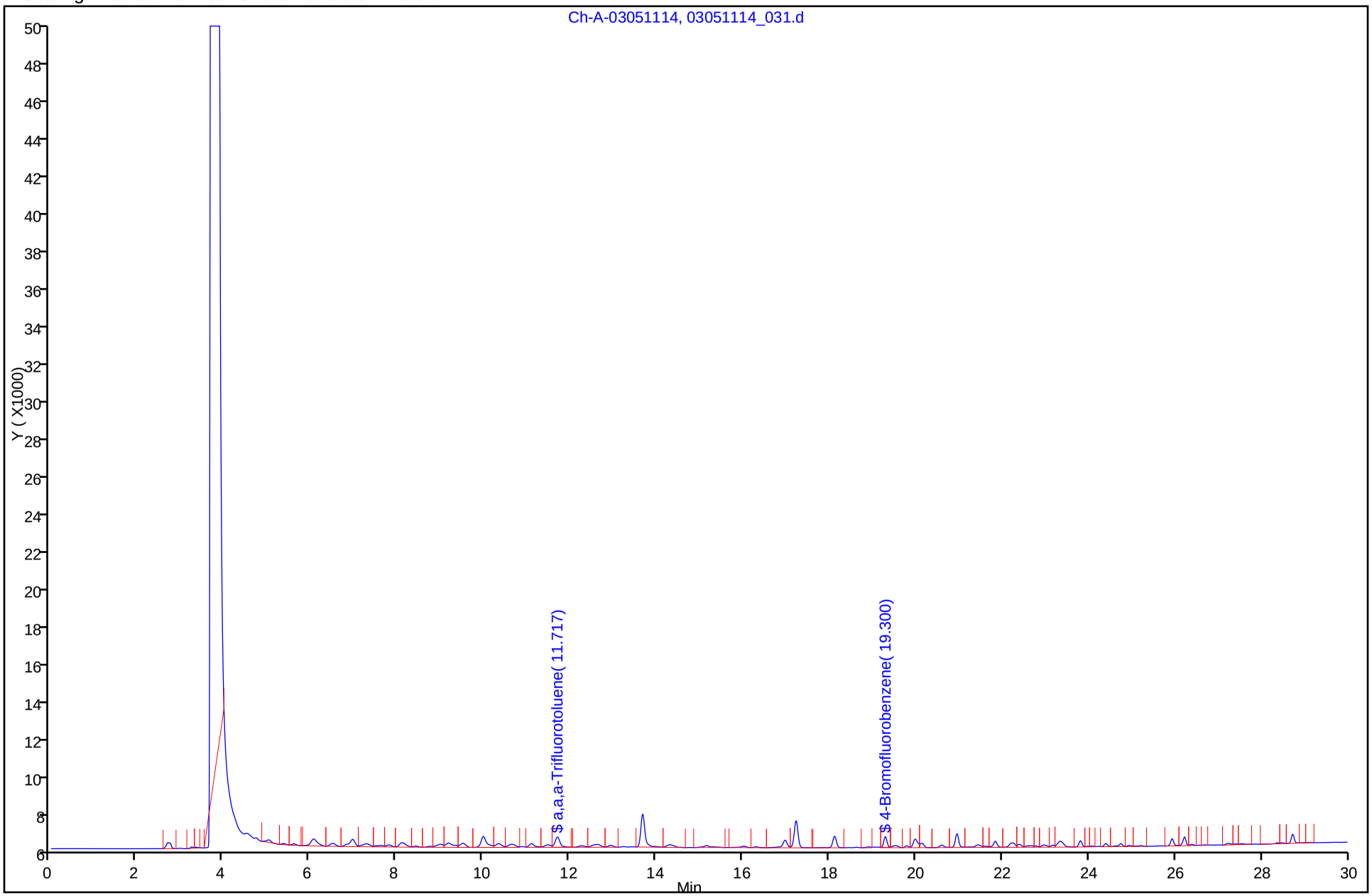
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_031.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 20:10:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	#: cd= Name: 030511,gro14s,ic20		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	2
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:43	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 09-Mar-2011 02:42:20

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.717	11.725	-0.008	540	0.99	
A 10 GRO	13.523	5.987 - 21.059		166311	19.8	
A 5 C5-C12	14.647	4.445 - 24.849		204309	19.8	
A 7 C6-C12	15.418	5.987 - 24.849		200805	19.8	
A 6 C6-C10	16.157	5.987 - 26.326		211052	19.9	
$ 3 4-Bromofluorobenzene	19.300	19.308	-0.008	565	1.00	

Report Date: 09-Mar-2011 06:14:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_031.d
Injection Date: 07-Mar-2011 20:10:29 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 Lims Sample ID: 2
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value

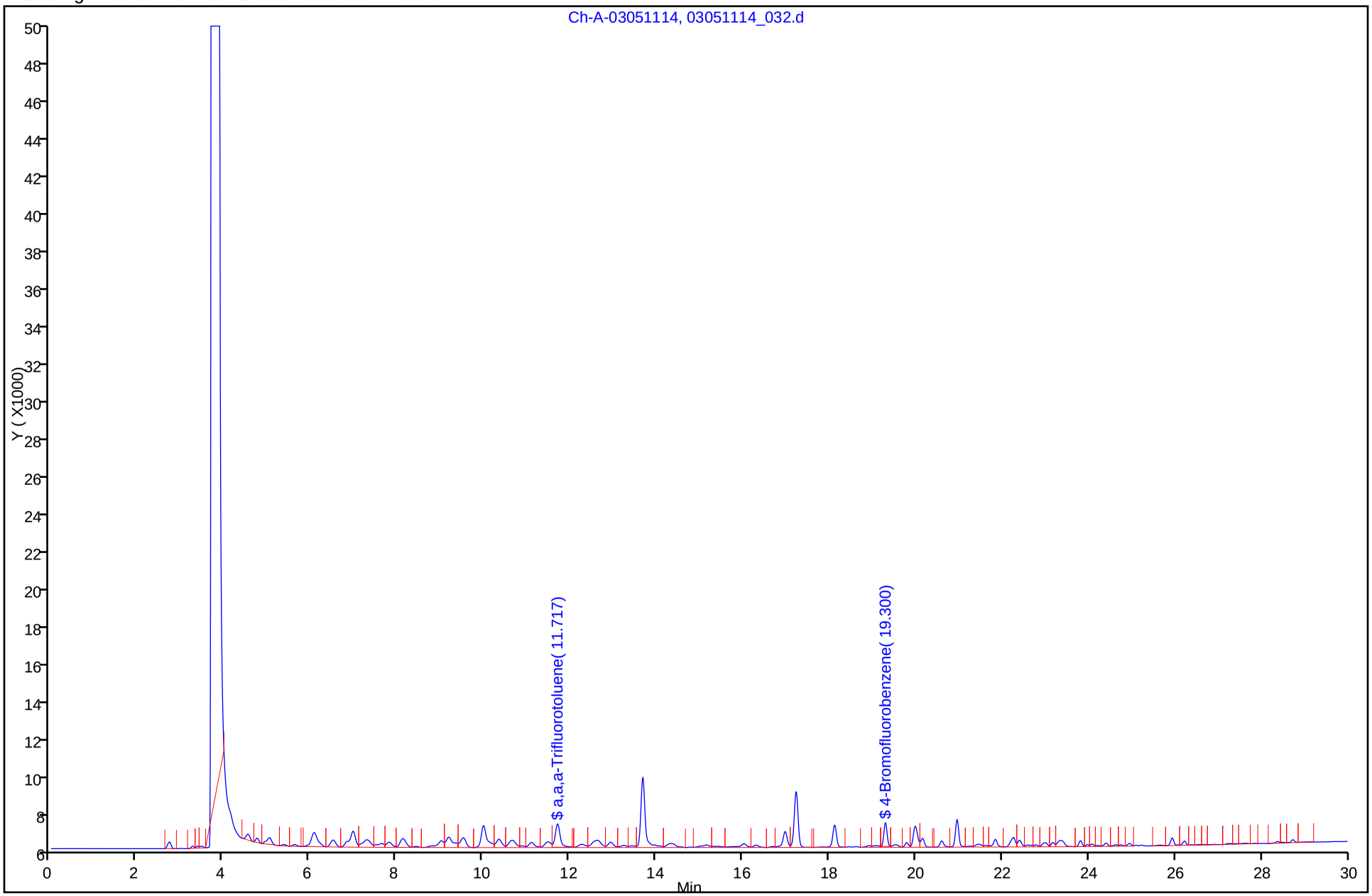


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_032.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 20:45:07	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	#: cd= Name: 030511,gro14s,ic50		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	3
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:45	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.717	11.725	-0.008	1224	2.54	
A 10 GRO	13.523	5.987 - 21.059		366055	51.6	
A 5 C5-C12	14.647	4.445 - 24.849		430888	51.8	
A 7 C6-C12	15.418	5.987 - 24.849		416605	51.6	
A 6 C6-C10	16.157	5.987 - 26.326		425902	51.3	
$ 3 4-Bromofluorobenzene	19.300	19.308	-0.008	1244	2.48	

Report Date: 09-Mar-2011 06:14:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_032.d
Injection Date: 07-Mar-2011 20:45:07 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 Lims Sample ID: 3
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value

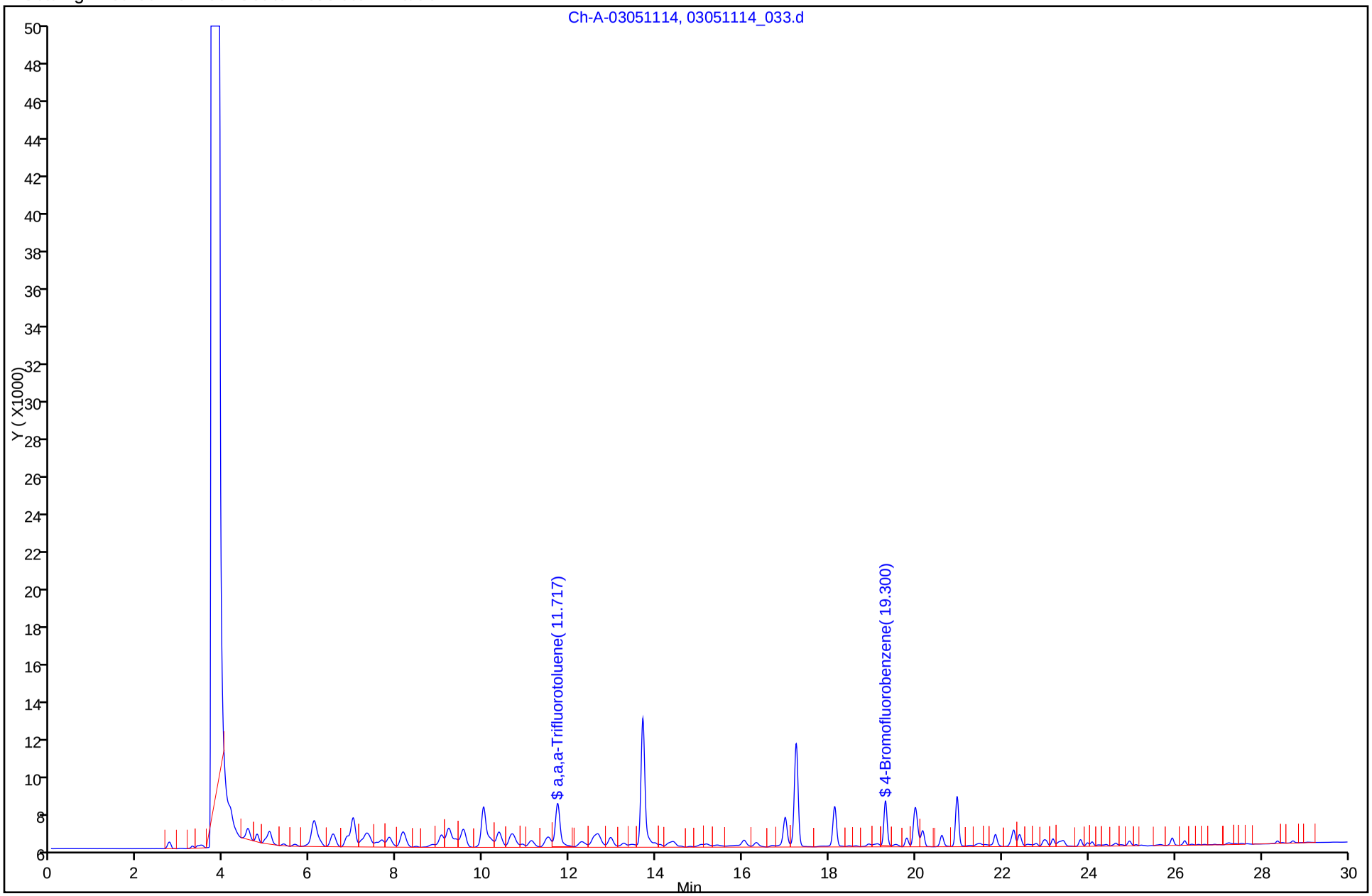


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_033.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 21:19:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	#: cd= Name: 030511,gro14s,ic100		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	4
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:46	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.717	11.725	-0.008	2282	4.94	
A 10 GRO	13.523	5.987 - 21.059		663065	98.7	
A 5 C5-C12	14.647	4.445 - 24.849		759031	98.1	
A 7 C6-C12	15.418	5.987 - 24.849		733226	98.4	
A 6 C6-C10	16.157	5.987 - 26.326		744419	98.0	
$ 3 4-Bromofluorobenzene	19.300	19.308	-0.008	2346	4.88	

Report Date: 09-Mar-2011 06:14:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_033.d
Injection Date: 07-Mar-2011 21:19:42 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 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\20110307-2455.b\03051114_034.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 21:54:16	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	#: cd= Name: 030511,gro14s,ic200		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	5
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:48	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.725	11.725	0.0	4682	10.4	
A 10 GRO	13.523	5.987 - 21.059		1302642	200.4	
A 5 C5-C12	14.647	4.445 - 24.849		1478509	199.7	
A 7 C6-C12	15.418	5.987 - 24.849		1424996	200.4	
A 6 C6-C10	16.157	5.987 - 26.326		1444432	200.5	
$ 3 4-Bromofluorobenzene	19.308	19.308	0.0	4866	10.4	

Report Date: 09-Mar-2011 06:14:48 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_034.d

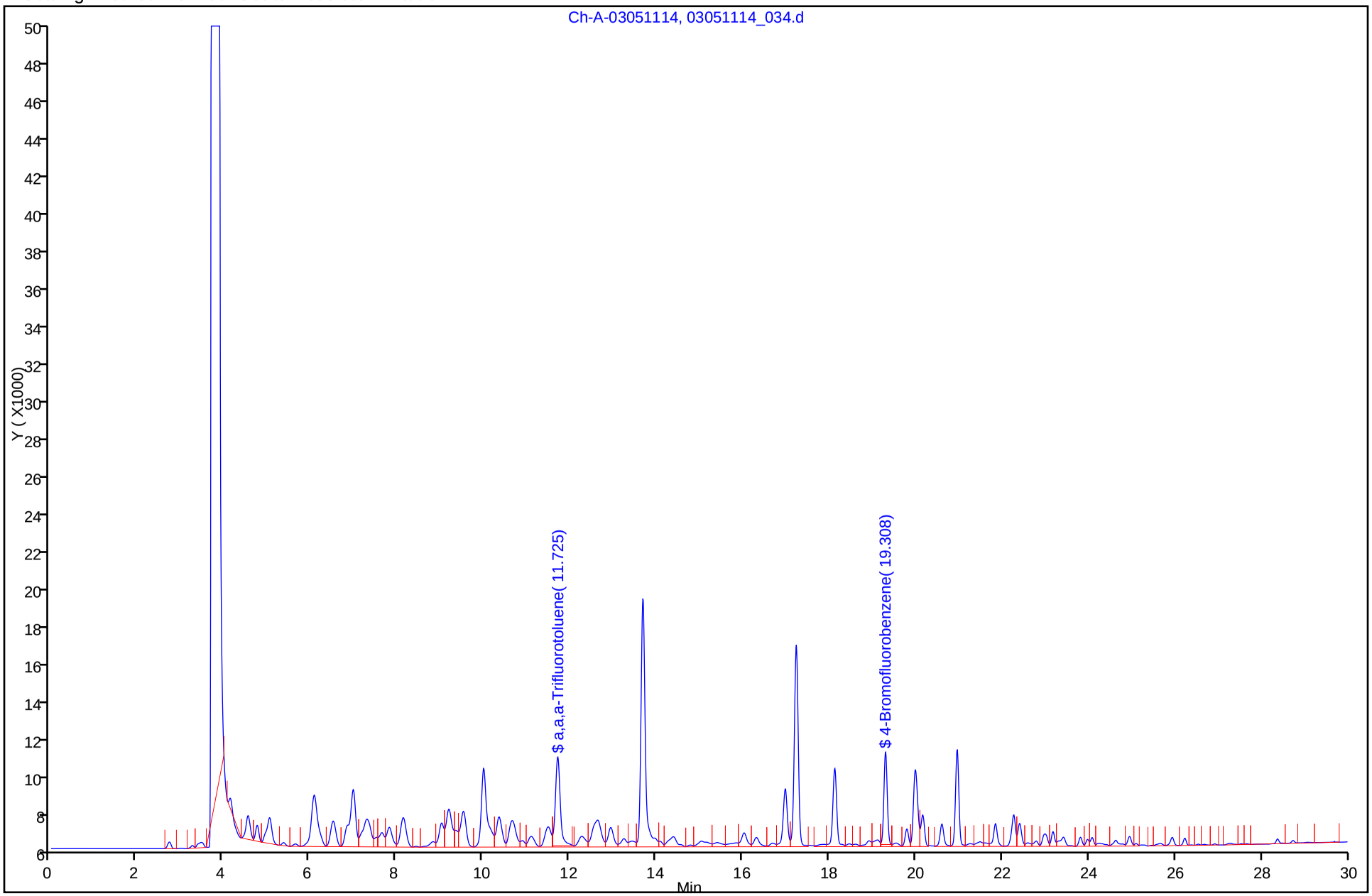
Injection Date: 07-Mar-2011 21:54:16 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 107026 Lims Sample ID: 5

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 09-Mar-2011 06:14:49 Chrom Revision: 1.2 17-Feb-2011 18:05:56

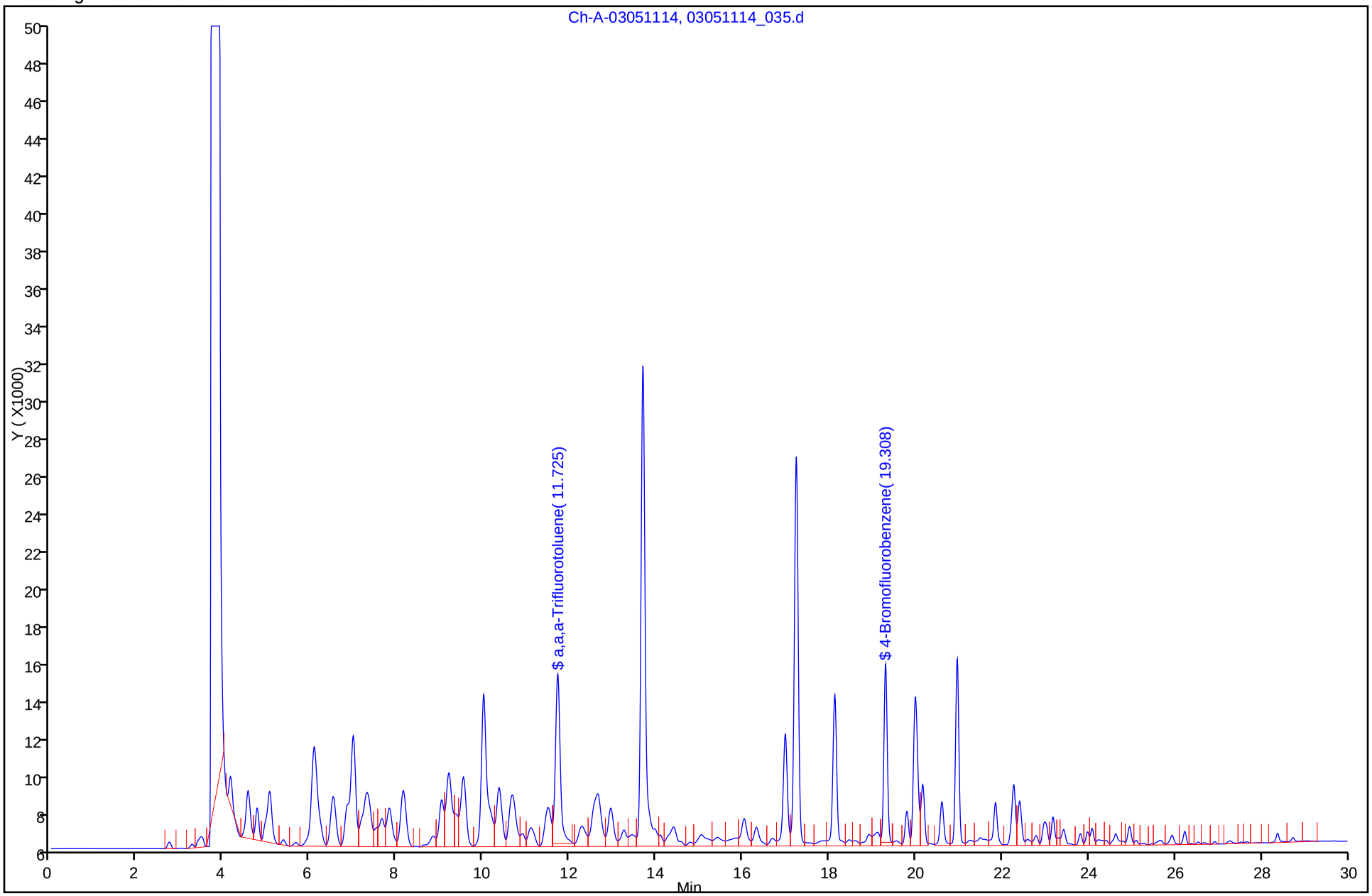
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_035.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 22:28:50	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	#: cd= Name: 030511,gro14s,ic400		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	6
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:49	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 09-Mar-2011 02:33:56

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.725	11.725	0.0	8953	20.1	
A 10 GRO	13.523	5.987 - 21.059		2550552	398.7	
A 5 C5-C12	14.647	4.445 - 24.849		2886207	398.5	
A 7 C6-C12	15.418	5.987 - 24.849		2776637	399.8	
A 6 C6-C10	16.157	5.987 - 26.326		2812350	400.8	
$ 3 4-Bromofluorobenzene	19.308	19.308	0.0	9402	20.3	

Report Date: 09-Mar-2011 06:14:50 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_035.d
Injection Date: 07-Mar-2011 22:28:50 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 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\20110307-2455.b\03051114_036.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 23:03:24	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	#: cd= Name: 030511,gro14s,ic600		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	7
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:50	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.725	11.725	0.0	13161	29.6	
A 10 GRO	13.523	5.987 - 21.059		3727974	585.8	
A 5 C5-C12	14.647	4.445 - 24.849		4209245	585.4	
A 7 C6-C12	15.418	5.987 - 24.849		4049961	587.7	
A 6 C6-C10	16.157	5.987 - 26.326		4098917	589.3	
$ 3 4-Bromofluorobenzene	19.308	19.308	0.0	13815	29.9	

Report Date: 09-Mar-2011 06:14:51 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_036.d

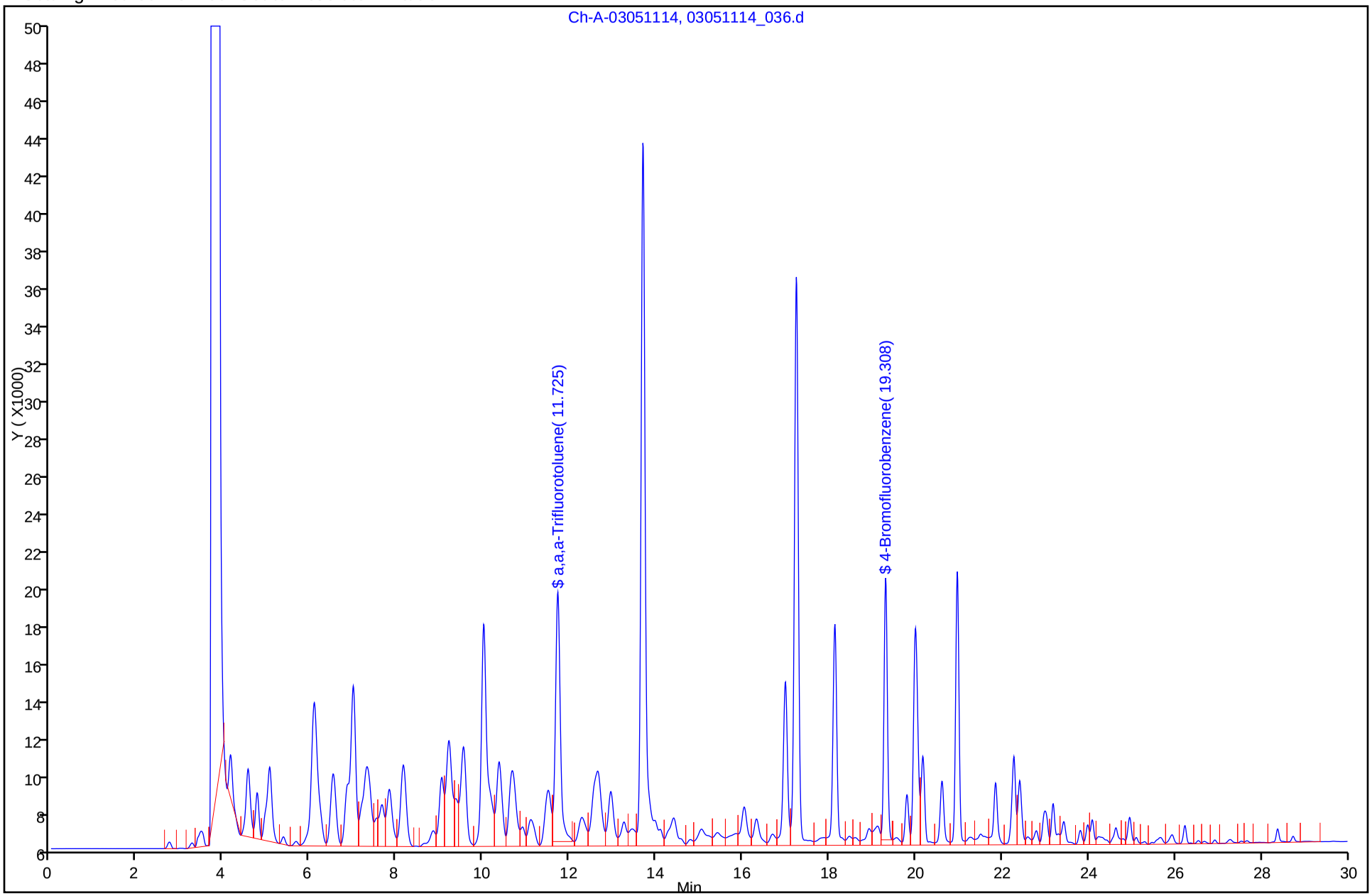
Injection Date: 07-Mar-2011 23:03:24 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 107026 Lims Sample ID: 7

Operator ID: estesw

Y Scaling: Method Defined: Set to Absolute Y Value

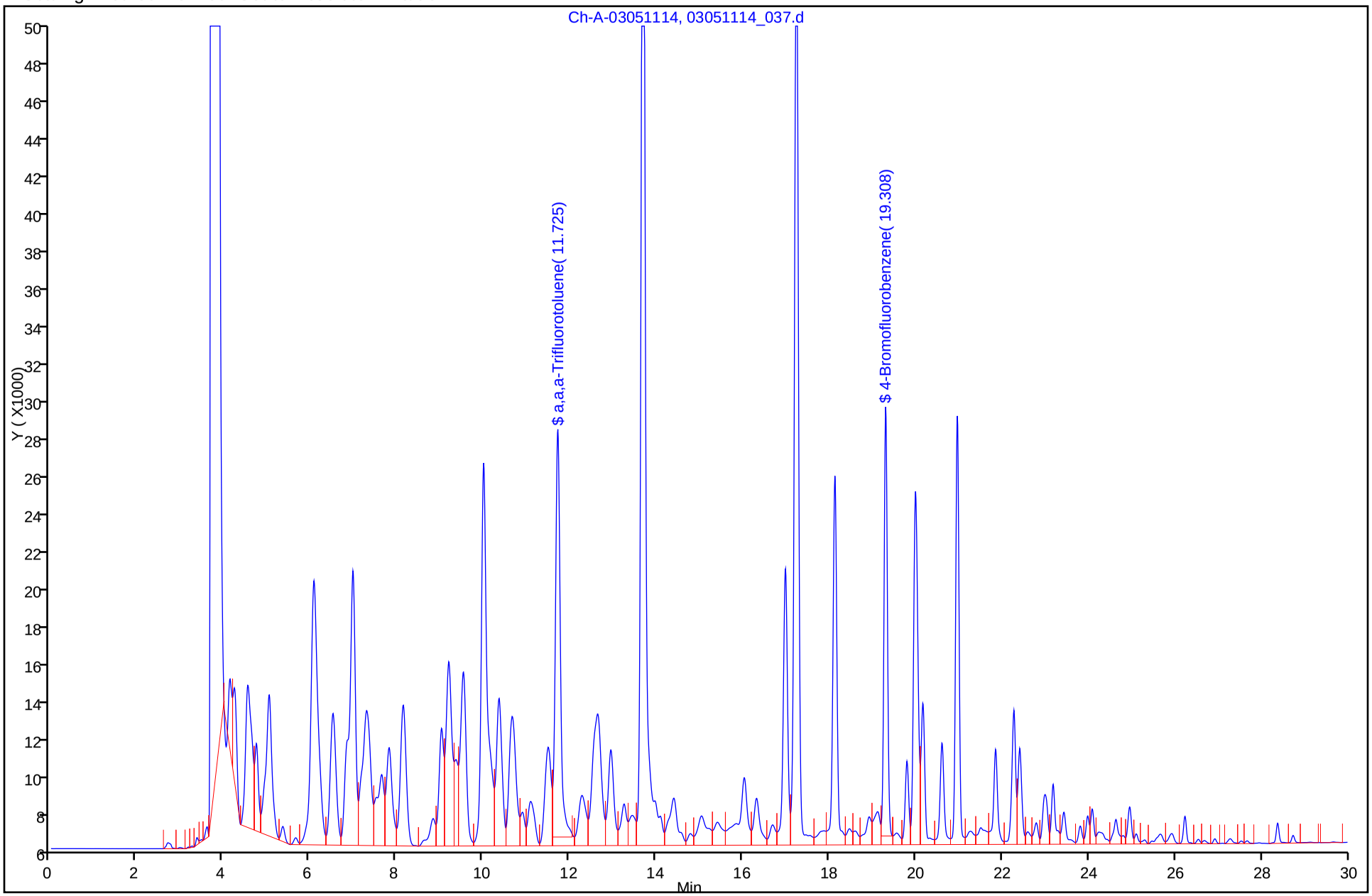


TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Lims ID:	ic	Client ID:	
Inject. Date:	07-Mar-2011 23:37:44	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	#: cd= Name: 030511,gro14s,ic1000		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107026	Lims Sample ID:	8
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03051114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m		
Last Update:	09-Mar-2011 06:14:52	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.725	11.725	0.0	21511	48.6	
A 10 GRO	13.523	5.987 - 21.059		6436845	1016.2	
A 5 C5-C12	14.647	4.445 - 24.849		7301622	1022.1	
A 7 C6-C12	15.418	5.987 - 24.849		6925697	1012.0	
A 6 C6-C10	16.157	5.987 - 26.326		6994869	1013.4	
$ 3 4-Bromofluorobenzene	19.308	19.308	0.0	22643	49.1	

Report Date: 09-Mar-2011 06:14:52 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d
Injection Date: 07-Mar-2011 23:37:44 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 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.: 510-62781-1

SDG No.:

Lab Sample ID: ICV 500-107026/9 Calibration Date: 03/08/2011 00:12

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03051114_038.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6782		209	200	4.5	15.0
C5-C12	Lin2		7601		206	200	2.8	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7374		208	200	3.9	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7455		207	200	3.7	15.0
a,a,a-Trifluorotoluene	Lin2		7186		20.8	20.0	3.9	15.0
4-Bromofluorobenzene	Lin2		5002		20.4	20.0	2.0	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICV 500-107026/9 Calibration Date: 03/08/2011 00:12

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03051114_038.d Heated Purge: (Y/N) N

Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.52	5.99	21.06
C5-C12	14.65	4.45	24.85
Gasoline Range Organics (GRO)-C6-C12	15.42	5.99	24.85
Gasoline Range Organics (GRO)-C6-C10	16.16	5.99	26.33
a,a,a-Trifluorotoluene	11.73	11.63	11.83
4-Bromofluorobenzene	19.31	19.21	19.41

Report Date: 09-Mar-2011 06:19:08 Chrom Revision: 1.2 17-Feb-2011 18:05:56

TestAmerica Laboratories
Target Compound Quantitation Report

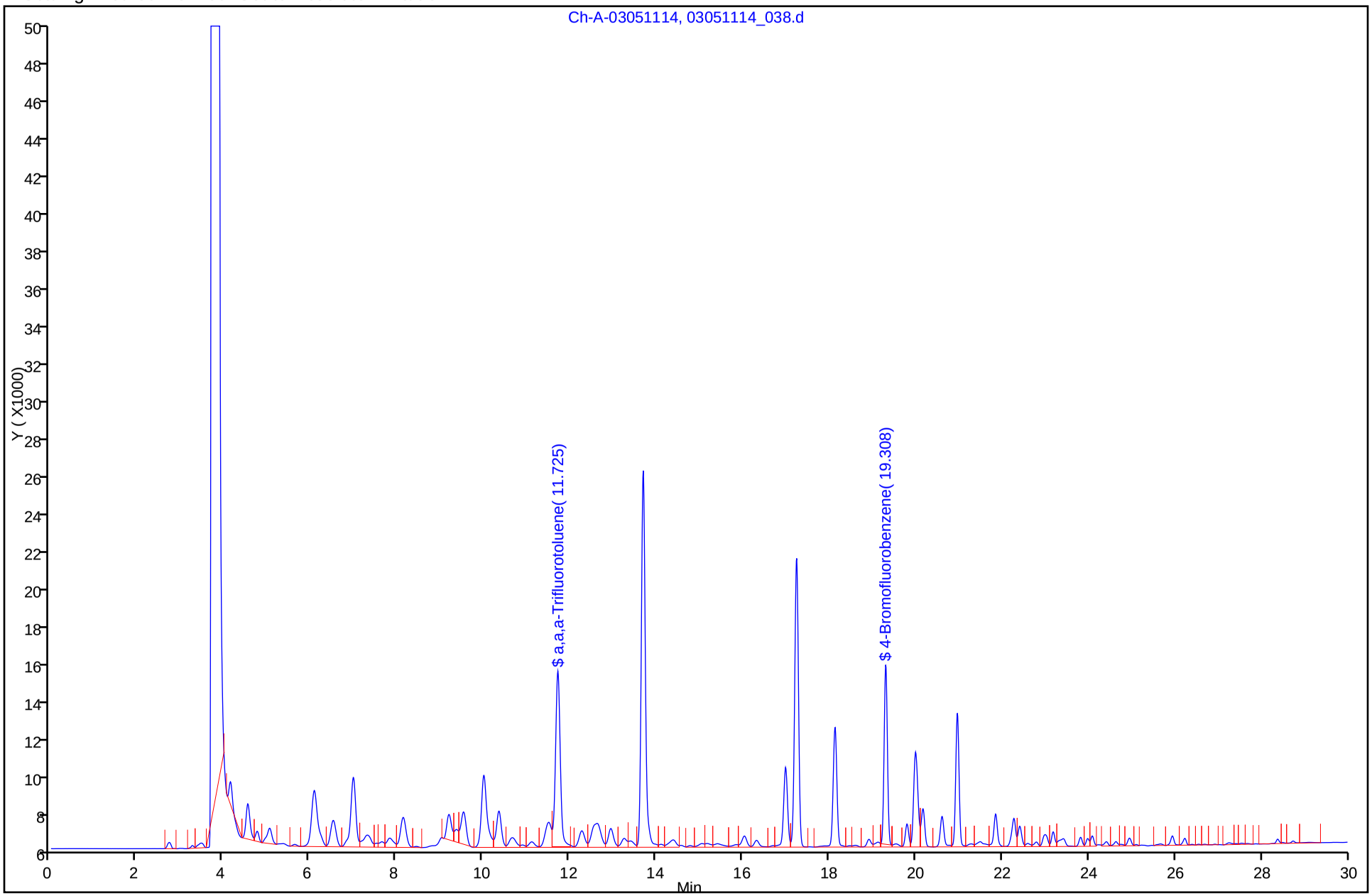
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_038.d
Lims ID: icv Client ID:
Inject. Date: 08-Mar-2011 00:12:16 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: #: cd= Name: 030511,gro14s,icv
Misc. Info.:
Operator: estesw Instrument ID: INST13-14
Vol. Injected: 1.0000 ALS Bottle#: 0
Lims Batch ID: 107026 Lims Sample ID: 9
Sublist:
Detector: Ch-A-03051114

Method: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\gro14s.m
Last Update: 09-Mar-2011 06:19:07 Calib Date: 07-Mar-2011 23:37:44
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d
Limit Group: GCVOA_8015B_GRO
Integrator: Genie
Process Host: CHI-MS-VLAB2

First Level Reviewer: estesw Date: 09-Mar-2011 02:46:25

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$	4 a,a,a-Trifluorotoluene	11.725	11.725	0.0	9267	20.8	
A	10 GRO	13.523	5.987 - 21.059		1356382	208.9	
A	5 C5-C12	14.647	4.445 - 24.849		1520164	205.6	
A	7 C6-C12	15.418	5.987 - 24.849		1474858	207.8	
A	6 C6-C10	16.157	5.987 - 26.326		1491080	207.3	
$	3 4-Bromofluorobenzene	19.308	19.308	0.0	9469	20.4	

Report Date: 09-Mar-2011 06:19:08 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_038.d
Injection Date: 08-Mar-2011 00:12:16 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107026 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.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 500-107159/2 Calibration Date: 03/09/2011 05:31

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03091114_002.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6243		390	400	-2.5	15.0
C5-C12	Lin2		7083		391	400	-2.2	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		6721		387	400	-3.3	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		6798		387	400	-3.2	15.0
a,a,a-Trifluorotoluene	Lin2		7621		21.4	20.0	7.0	15.0
4-Bromofluorobenzene	Lin2		5351		21.2	20.0	6.1	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 500-107159/2 Calibration Date: 03/09/2011 05:31

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03091114_002.d Heated Purge: (Y/N) N

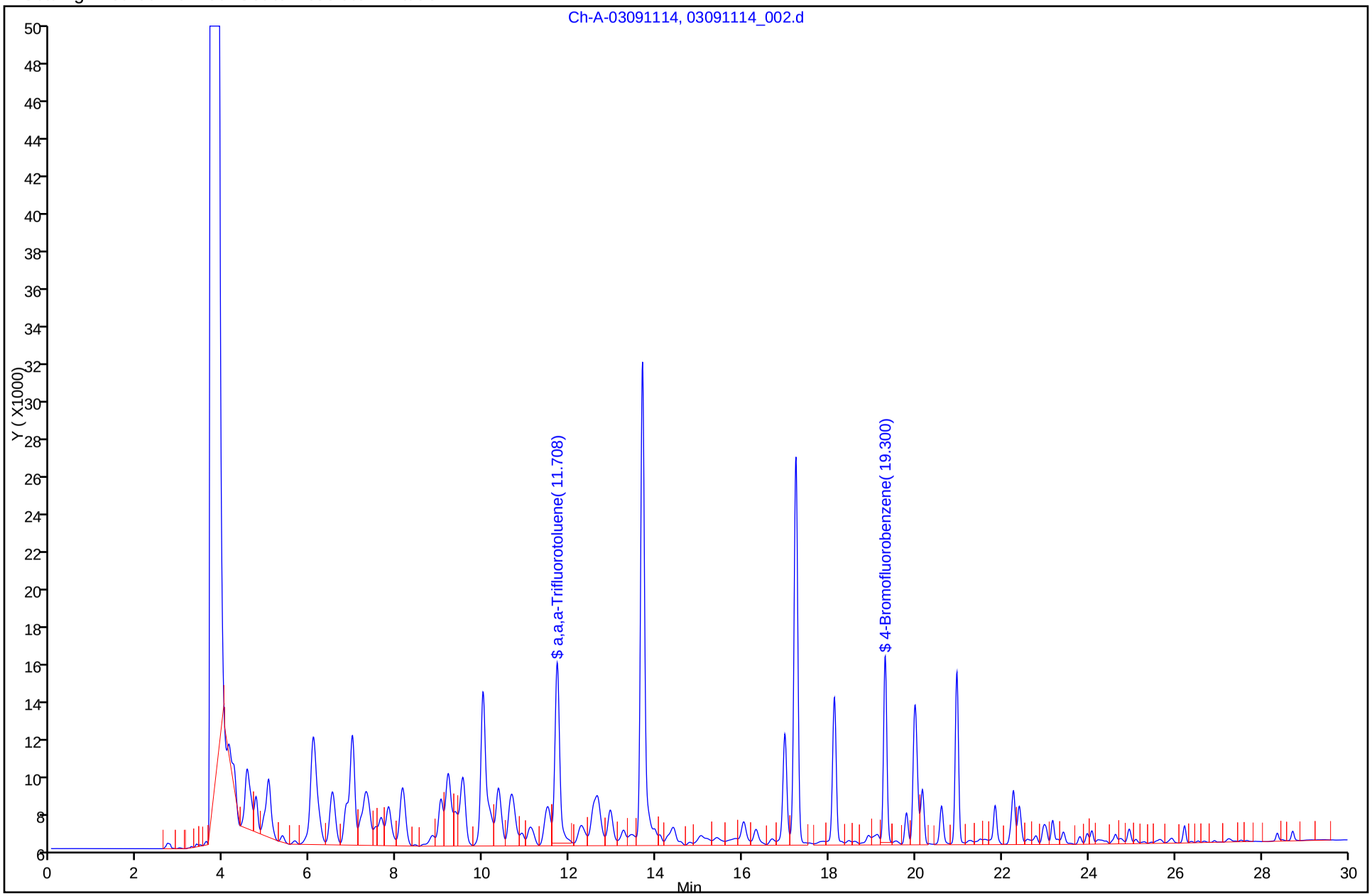
Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.52	5.99	21.06
C5-C12	14.65	4.45	24.85
Gasoline Range Organics (GRO)-C6-C12	15.42	5.99	24.85
Gasoline Range Organics (GRO)-C6-C10	16.16	5.99	26.33
a,a,a-Trifluorotoluene	11.71	11.62	11.82
4-Bromofluorobenzene	19.30	19.20	19.40

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_002.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	09-Mar-2011 05:31:42	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 030911,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	2
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.708	11.718	-0.010	9540	21.4	
A 10 GRO	13.524	5.987 - 21.061		2497245	390.2	
A 5 C5-C12	14.648	4.445 - 24.852		2833219	391.0	
A 7 C6-C12	15.419	5.987 - 24.852		2688365	386.8	
A 6 C6-C10	16.158	5.987 - 26.329		2719224	387.2	
$ 3 4-Bromofluorobenzene	19.300	19.302	-0.002	9848	21.2	

Report Date: 10-Mar-2011 01:06:44 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_002.d
Injection Date: 09-Mar-2011 05:31:42 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 500-107159/13 Calibration Date: 03/09/2011 11:53

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03091114_013.d Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Gasoline Range Organics (C6-C9)	Lin2		6434		402	400	0.6	15.0
C5-C12	Lin2		7258		401	400	0.2	15.0
Gasoline Range Organics (GRO)-C6-C12	Lin2		7022		405	400	1.2	15.0
Gasoline Range Organics (GRO)-C6-C10	Lin2		7114		406	400	1.4	15.0
a,a,a-Trifluorotoluene	Lin2		7487		21.1	20.0	5.3	15.0
4-Bromofluorobenzene	Lin2		5413		21.4	20.0	6.9	15.0

FORM VII
GASOLINE RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 500-107159/13 Calibration Date: 03/09/2011 11:53

Instrument ID: INST13-14 Calib Start Date: 03/07/2011 20:10

GC Column: DB624 ID: 0.20(mm) Calib End Date: 03/07/2011 23:37

Lab File ID: 03091114_013.d Heated Purge: (Y/N) N

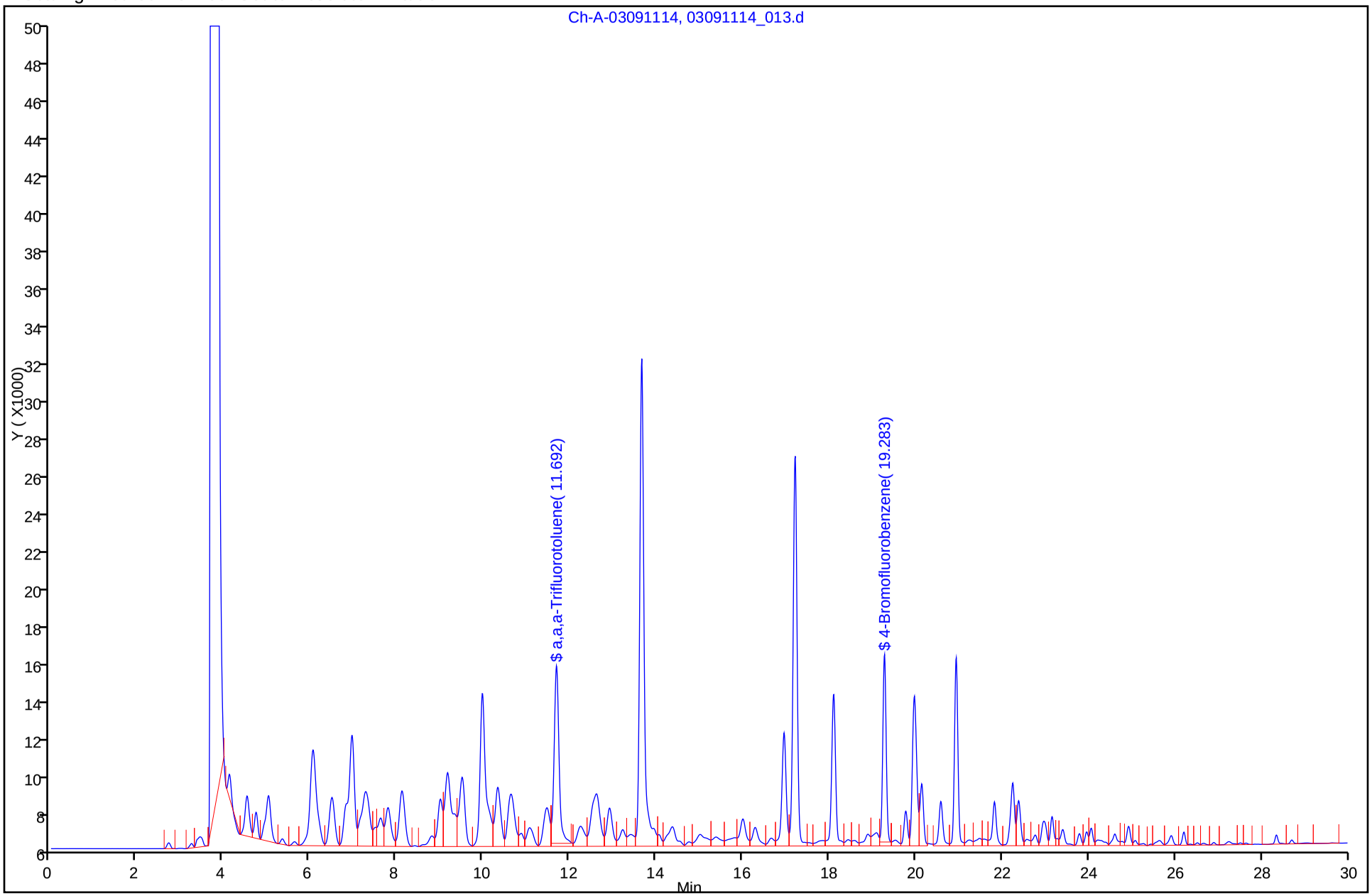
Analyte	RT	RT WINDOW	
		TO	FROM
Gasoline Range Organics (C6-C9)	13.52	5.99	21.06
C5-C12	14.65	4.45	24.85
Gasoline Range Organics (GRO)-C6-C12	15.42	5.99	24.85
Gasoline Range Organics (GRO)-C6-C10	16.16	5.99	26.33
a,a,a-Trifluorotoluene	11.69	11.62	11.82
4-Bromofluorobenzene	19.28	19.20	19.40

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_013.d		
Lims ID:	ccv	Client ID:	
Inject. Date:	09-Mar-2011 11:53:10	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	#: cd= Name: 030911,gro14s,ccv		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	13
Sublist:	chrom-gro14s*sub1		
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:56	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.692	11.718	-0.026	9390	21.1	
A 10 GRO	13.524	5.987 - 21.061		2573436	402.3	
A 5 C5-C12	14.648	4.445 - 24.852		2903373	401.0	
A 7 C6-C12	15.419	5.987 - 24.852		2808994	404.6	
A 6 C6-C10	16.158	5.987 - 26.329		2845441	405.7	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	9917	21.4	

Report Date: 10-Mar-2011 01:06:56 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_013.d
Injection Date: 09-Mar-2011 11:53:10 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107159 Lims Sample ID: 13
Operator ID: estesw
Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
GASOLINE RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Chicago | Job No.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 500-107159/3

Matrix: Solid | Lab File ID: 03091114_003.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/09/2011 06:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 107159 | 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	105		51-117
98-08-8	a,a,a-Trifluorotoluene	108		64-116

Report Date: 10-Mar-2011 01:06:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56

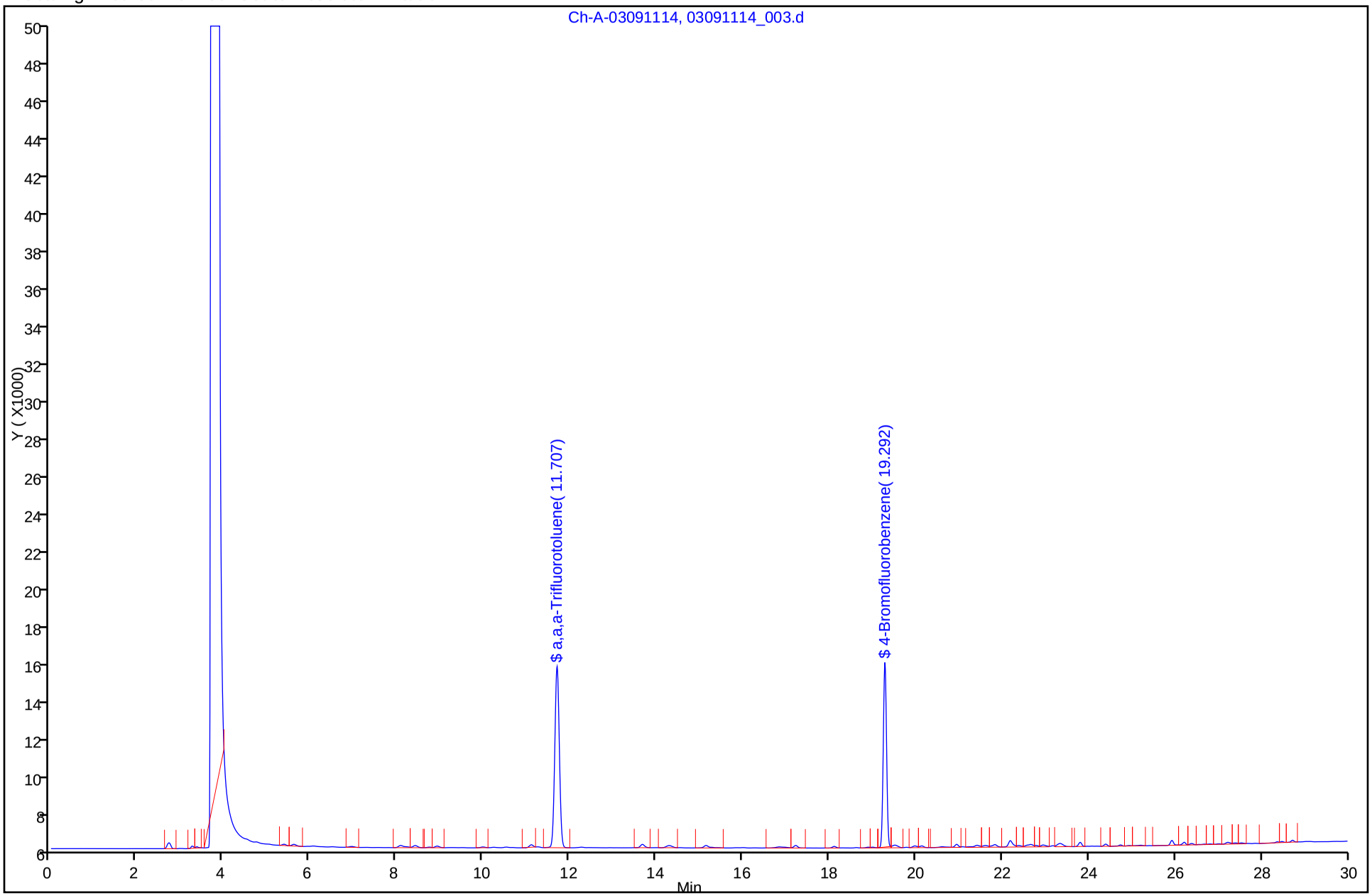
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_003.d		
Lims ID:	mb	Client ID:	
Inject. Date:	09-Mar-2011 06:06:20	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	#: cd= Name: 030911,gro14s,mb		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	3
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.d		
Limit Group:	GCVOA_8015B_GRO		
Integrator:	Genie		
Process Host:	CHI-MS-VLAB2		

First Level Reviewer: estesw Date: 10-Mar-2011 01:01:27

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/l	Flags
$ 4 a,a,a-Trifluorotoluene	11.707	11.718	-0.011	9604	21.6	
$ 3 4-Bromofluorobenzene	19.292	19.302	-0.010	9766	21.0	

Report Date: 10-Mar-2011 01:06:45 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_003.d
Injection Date: 09-Mar-2011 06:06:20 Limit Group: GCVOA_8015B_GRO
Client ID: Instrument ID: INST13-14
Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 500-107159/4

Matrix: Solid | Lab File ID: 03091114_004.d

Analysis Method: 8015B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 03/09/2011 06:41

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

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

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.374		0.020	0.0077

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	105		51-117
98-08-8	a,a,a-Trifluorotoluene	106		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_004.d		
Lims ID:	lcs	Client ID:	
Inject. Date:	09-Mar-2011 06:41:01	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	#: cd= Name: 030911,gro14s,lcs		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	4
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.700	11.718	-0.018	9453	21.2	
A 10 GRO	13.524	5.987 - 21.061		2434770	380.3	
A 5 C5-C12	14.648	4.445 - 24.852		2710760	373.8	
A 7 C6-C12	15.419	5.987 - 24.852		2627960	377.9	
A 6 C6-C10	16.158	5.987 - 26.329		2651862	377.3	
$ 3 4-Bromofluorobenzene	19.292	19.302	-0.010	9738	21.0	

Report Date: 10-Mar-2011 01:06:46 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_004.d

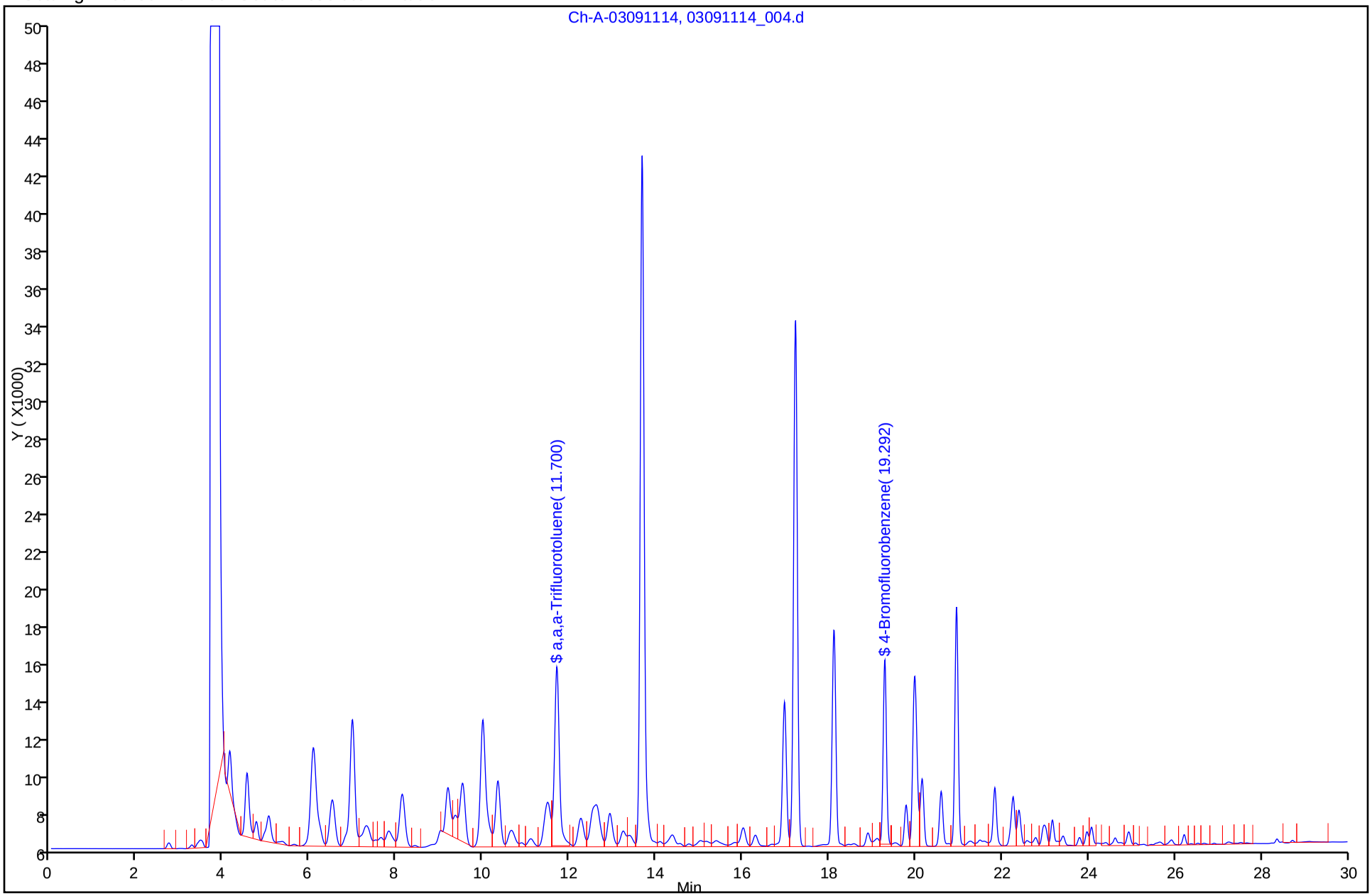
Injection Date: 09-Mar-2011 06:41:01 Limit Group: GCVOA_8015B_GRO

Client ID: Instrument ID: INST13-14

Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: 03091114_006.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 4.9882(g) | Date Analyzed: 03/09/2011 07:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.434		0.023	0.0087

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	97		51-117
98-08-8	a,a,a-Trifluorotoluene	110		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_006.d		
Lims ID:	510-62781-B-1-B MS	Client ID:	SB0058:TP1:000020
Inject. Date:	09-Mar-2011 07:50:27	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-1-B MS		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	6
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.700	11.718	-0.018	9821	22.0	
A 5 C5-C12	14.648	4.445 - 24.852		2772636	382.5	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	8979	19.3	

Report Date: 10-Mar-2011 01:06:47 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_006.d

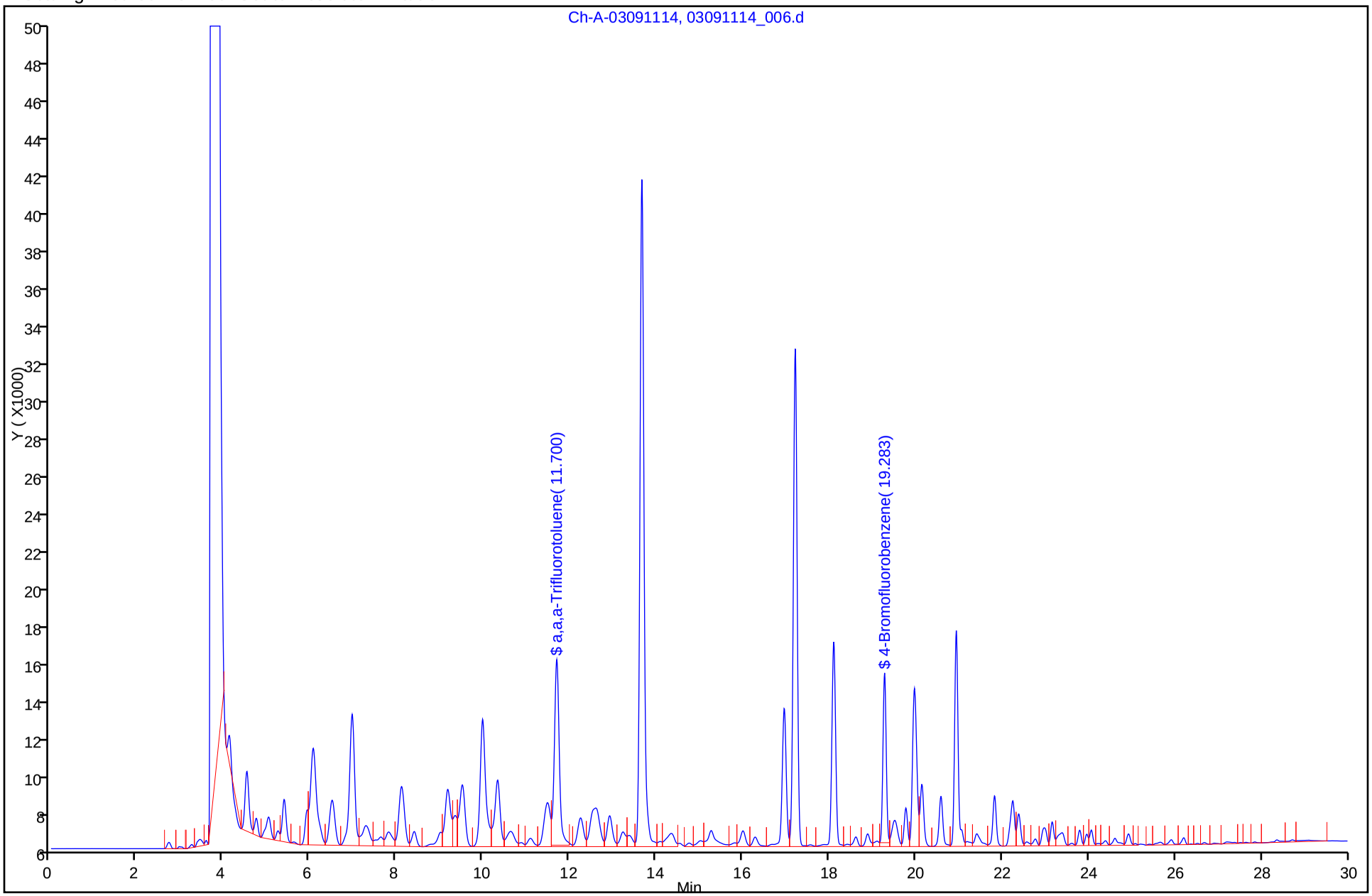
Injection Date: 09-Mar-2011 07:50:27 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: 03091114_007.d

Analysis Method: 8015B | Date Collected: 03/03/2011 10:15

Sample wt/vol: 6.6251(g) | Date Analyzed: 03/09/2011 08:25

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB624 ID: 0.2(mm)

% Moisture: 11.7 | Level: (low/med) Low

Analysis Batch No.: 107159 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00349	C5-C12	0.351		0.017	0.0066

CAS NO.	SURROGATE	%REC	Q	LIMITS
460-00-4	4-Bromofluorobenzene	102		51-117
98-08-8	a,a,a-Trifluorotoluene	116		64-116

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_007.d		
Lims ID:	510-62781-B-1-C MSD	Client ID:	SB0058:TP1:000020
Inject. Date:	09-Mar-2011 08:25:08	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	#: cd= Name: 030911,gro14s,510-62781-B-1-C MSD		
Misc. Info.:			
Operator:	estesw	Instrument ID:	INST13-14
Vol. Injected:	1.0000	ALS Bottle#:	0
Lims Batch ID:	107159	Lims Sample ID:	7
Detector:	Ch-A-03091114		
Method:	\\Chi-svr07\ChromData\GC13-14\20110309-2470.b\gro14s.m		
Last Update:	10-Mar-2011 01:06:44	Calib Date:	07-Mar-2011 23:37:44
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Chi-svr07\ChromData\GC13-14\20110307-2455.b\03051114_037.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	11.700	11.718	-0.018	10338	23.2	
A 5 C5-C12	14.648	4.445 - 24.852		2968973	410.2	
$ 3 4-Bromofluorobenzene	19.283	19.302	-0.019	9512	20.5	

Report Date: 10-Mar-2011 01:06:48 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\Chi-svr07\ChromData\GC13-14\20110309-2470.b\03091114_007.d

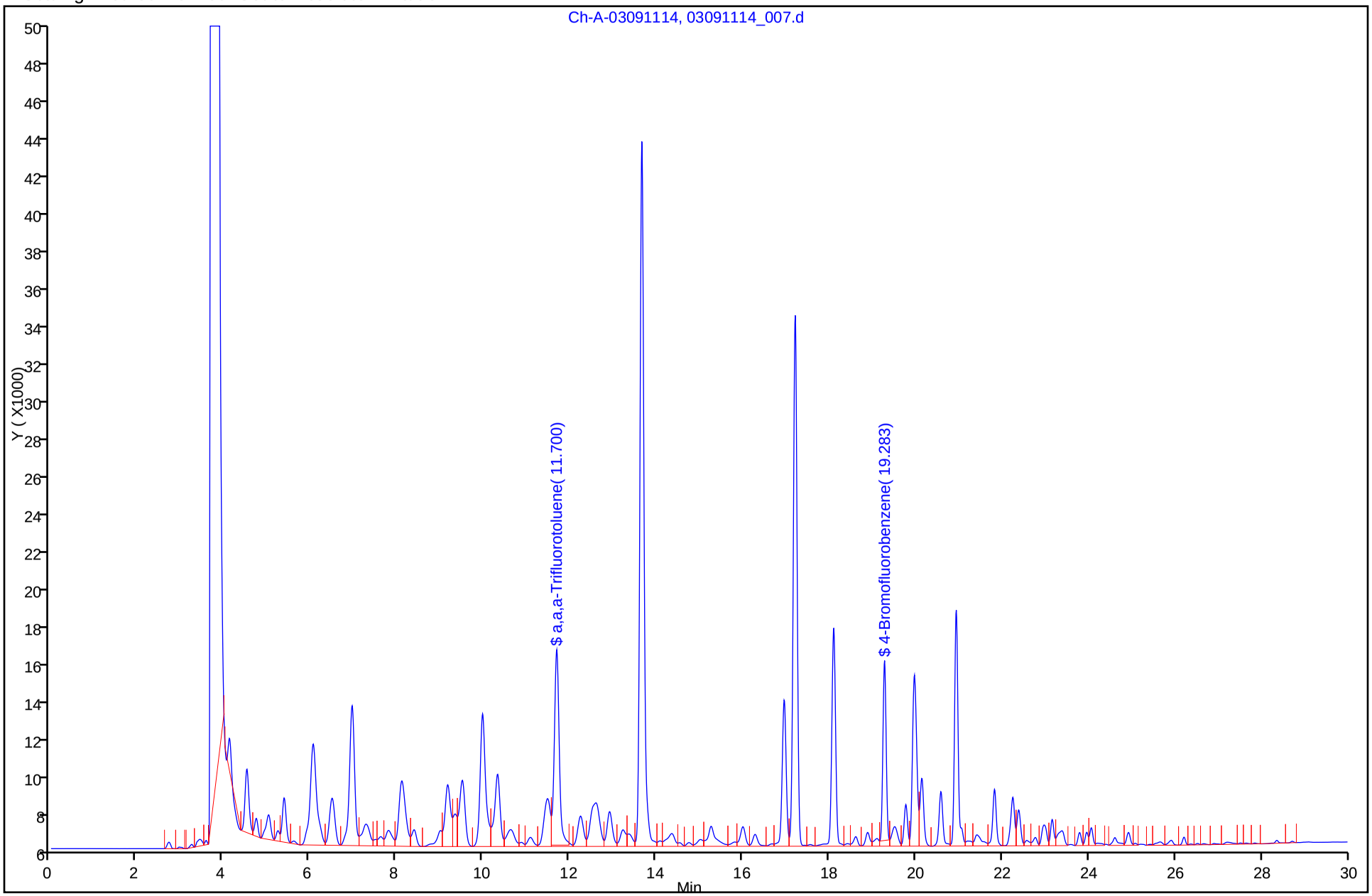
Injection Date: 09-Mar-2011 08:25:08 Limit Group: GCVOA_8015B_GRO

Client ID: SB0058:TP1:000020 Instrument ID: INST13-14

Lims Batch ID: 107159 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.: 510-62781-1

SDG No.:

Instrument ID: INST13-14 Start Date: 03/07/2011 20:10

Analysis Batch Number: 107026 End Date: 03/08/2011 00:12

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
IC 500-107026/2		03/07/2011 20:10	1	03051114_031.d	DB624 0.2(mm)
IC 500-107026/3		03/07/2011 20:45	1	03051114_032.d	DB624 0.2(mm)
IC 500-107026/4		03/07/2011 21:19	1	03051114_033.d	DB624 0.2(mm)
IC 500-107026/5		03/07/2011 21:54	1	03051114_034.d	DB624 0.2(mm)
IC 500-107026/6		03/07/2011 22:28	1	03051114_035.d	DB624 0.2(mm)
IC 500-107026/7		03/07/2011 23:03	1	03051114_036.d	DB624 0.2(mm)
IC 500-107026/8		03/07/2011 23:37	1	03051114_037.d	DB624 0.2(mm)
ICV 500-107026/9		03/08/2011 00:12	1	03051114_038.d	DB624 0.2(mm)

GASOLINE RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Instrument ID: INST13-14 Start Date: 03/09/2011 04:57

Analysis Batch Number: 107159 End Date: 03/09/2011 11:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/09/2011 04:57	1		DB624 0.2(mm)
CCV 500-107159/2		03/09/2011 05:31	1	03091114_002.d	DB624 0.2(mm)
MB 500-107159/3		03/09/2011 06:06	1	03091114_003.d	DB624 0.2(mm)
LCS 500-107159/4		03/09/2011 06:41	1	03091114_004.d	DB624 0.2(mm)
510-62781-1 MS	SB0058:TP1:000020 MS	03/09/2011 07:50	1	03091114_006.d	DB624 0.2(mm)
510-62781-1 MSD	SB0058:TP1:000020 MSD	03/09/2011 08:25	1	03091114_007.d	DB624 0.2(mm)
510-62781-2	SB0058:TP1:040050	03/09/2011 08:59	1	03091114_008.d	DB624 0.2(mm)
510-62781-3	SB0058:TP2:000020	03/09/2011 09:34	1	03091114_009.d	DB624 0.2(mm)
510-62781-4	SB0058:TP2:040050	03/09/2011 10:09	1	03091114_010.d	DB624 0.2(mm)
510-62781-5	SB0058: FIELD DUPLICATE	03/09/2011 10:43	1	03091114_011.d	DB624 0.2(mm)
510-62781-1	SB0058:TP1:000020	03/09/2011 11:18	1	03091114_012.d	DB624 0.2(mm)
CCV 500-107159/13		03/09/2011 11:53	1	03091114_013.d	DB624 0.2(mm)

7 8015B 5-12 GO

TAT 3/11

(LA)

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: #3 3/5

Job Number: 510-62781

64-116/51-117 Surr Ranges

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	Misc. Info
B1A	STK	<2	03091114_005	Rerun		30,926 OC — and TFT out High 117% (28 ✓) — 1,36174/883
A1A	STK	<2	03091114_012	(OK)	107159	34,216 (OK) ✓
B1Bus	STK	<2	03091114_006	(OK)		382,489 OC — ~~1,13626/896~~
B1G[illegible]	STK	<2	03091114_007	(OK)		410.21
						39 ✓ — 1,13626/896
B2A	STK	<2	03091114_008	(OK)		39,226
						220 ✓ — 1,19376/869
B3A	STK	<2	03091114_009	(OK)		223,025
						24 ✓ — 1,23452/912
B4A	STK	<2	03091114_010	(OK)		26,691

Reviewed by: William R [signature] Date: 3-10-11

LCS 93

MS/MSD 89/94/21

11,625-825

19,208-408

CHI-22-20-075/B-01/08

TestAmerica Chicago

GC/MS Volatiles: Sample Tracking Sheet

Screener: _____

Job Number: 500-

Sample File Name	Dilution	pH	Tune	Action	Prep Batch	Misc. Info
B5A	SK	✓	0309114-011	SK	167159	27,515 ✓26 1,15802/916

Page 670 of 1254

Reviewed by: _____ Date: _____

CHI-22-20-075/B-01/08

TestAmerica Chicago

GC/MS Volatiles: Internal Chain of Custody Form

ICOC Job Number: 510-62781

Date	Time Out	Time In	ICOC Initials	Misc. Info
3-9-11	0633	—	MM	"B" Vials
3-9-11	0828	—	MM	A1

CHR-22-20-074/A-01/00

GASOLINE RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Chicago Job No.: 510-62781-1

SDG No.:

Batch Number: 106942 Batch Start Date: 03/03/11 10:15 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	
510-62781-A-1	SB0058:TP1:000020	5035, 8015B	T	+031.794 g	38.6027 g	6.8087 g	5 mL	ap	
510-62781-B-1 MS	SB0058:TP1:000020	5035, 8015B	T	+032.062 g	37.0502 g	4.9882 g	5 mL	ap	
510-62781-B-1 MSD	SB0058:TP1:000020	5035, 8015B	T	+032.209 g	38.8341 g	6.6251 g	5 mL	ap	
510-62781-B-2	SB0058:TP1:040050	5035, 8015B	T	+031.885 g	37.5663 g	5.6813 g	5 mL	ap	
510-62781-B-3	SB0058:TP2:000020	5035, 8015B	T	+032.255 g	38.2238 g	5.9688 g	5 mL	ap	
510-62781-B-4	SB0058:TP2:040050	5035, 8015B	T	+031.501 g	37.6736 g	6.1726 g	5 mL	ap	
510-62781-B-5	SB0058: FIELD DUPLICATE	5035, 8015B	T	+032.502 g	38.2921 g	5.7901 g	5 mL	ap	

Batch Notes	

Basis	Basis Description
T	Total/NA

8015B_DRO

Diesel Range Organics (DRO) (GC) by Method 8015B

FORM II
DIESEL RANGE ORGANICS SURROGATE RECOVERY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): 8015 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBP1 #
SB0058:TP1:000020	510-62781-1	38
SB0058:TP1:040050	510-62781-2	30
SB0058:TP2:000020	510-62781-3	46
SB0058:TP2:040050	510-62781-4	28
SB0058: FIELD DUPLICATE	510-62781-5	38
	MB 510-76980/1-A	49
	LCS 510-76980/2-A	69
SB0058:TP1:000020 MS	510-62781-1 MS	46
SB0058:TP1:000020 MSD	510-62781-1 MSD	43

	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G3963.D

Lab ID: LCS 510-76980/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
C8-C36	16.6	<20	78	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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G3965.D

Lab ID: 510-62781-1 MS Client ID: SB0058:TP1:000020 MS

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
C8-C36	18.5	65	<22	-272	58-117	F

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.: 510-62781-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: G3966.D

Lab ID: 510-62781-1 MSD Client ID: SB0058:TP1:000020 MSD

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
C8-C36	18.6	<22	-271	3	30	58-117	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.: 510-62781-1

SDG No.:

Lab Sample ID: MB 510-76980/1-A

Matrix: Solid Date Extracted: 03/07/2011 11:57

Lab File ID:(1) G3962.D Lab File ID:(2)

Date Analyzed:(1) 03/07/2011 15:32 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 510-76980/2-A	03/07/2011 16:04	
SB0058:TP1:000020	510-62781-1	03/07/2011 16:36	
SB0058:TP1:000020 MS	510-62781-1 MS	03/07/2011 17:08	
SB0058:TP1:000020 MSD	510-62781-1 MSD	03/07/2011 17:41	
SB0058:TP1:040050	510-62781-2	03/07/2011 18:13	
SB0058:TP2:000020	510-62781-3	03/07/2011 18:45	
SB0058:TP2:040050	510-62781-4	03/07/2011 19:17	
SB0058: FIELD DUPLICATE	510-62781-5	03/07/2011 19:48	

FORM I
DIESEL RANGE ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 Lab Sample ID: 510-62781-1

Matrix: Solid Lab File ID: G3964.D

Analysis Method: 8015B Date Collected: 03/03/2011 10:15

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.02(g) Date Analyzed: 03/07/2011 16:36

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 11.7 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	65		23	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	38		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3964.D		
Lims ID:	510-62781-J-1-A	Client ID:	SB0058:TP1:000020
Inject. Date:	07-Mar-2011 16:36:45	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-j-1-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	13
Lims Batch ID:	76964	Lims Sample ID:	16
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 15:24:36	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	07-Mar-2011 17:31:15

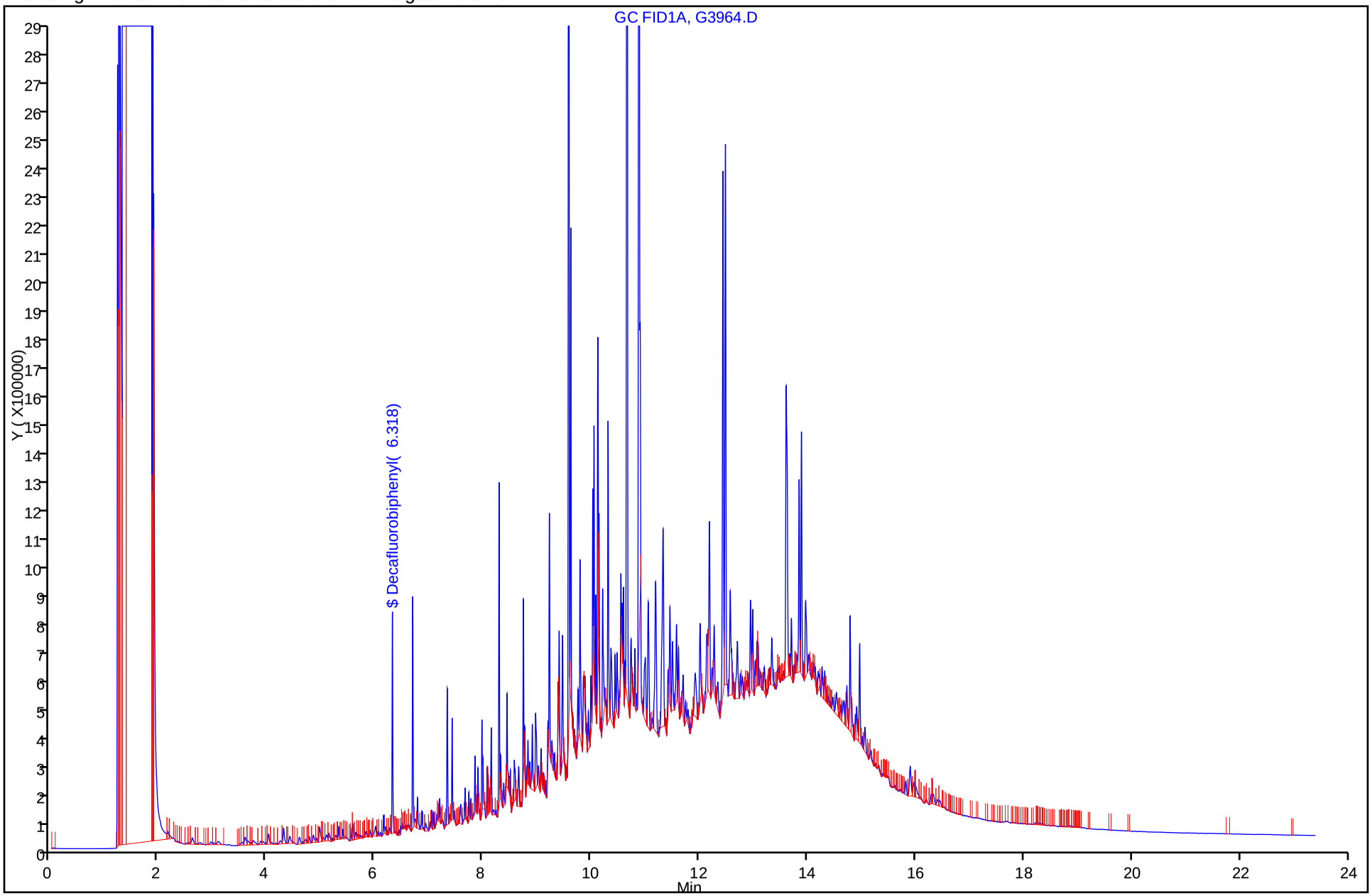
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.318	6.327	-0.009	696677	7.63	
A	3 C8-C36	9.593	3.028 - 16.157		266735821	1728.4	

Report Date: 07-Mar-2011 17:31:16 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3964.D

Injection Date:	07-Mar-2011 16:36:45	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	16
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8

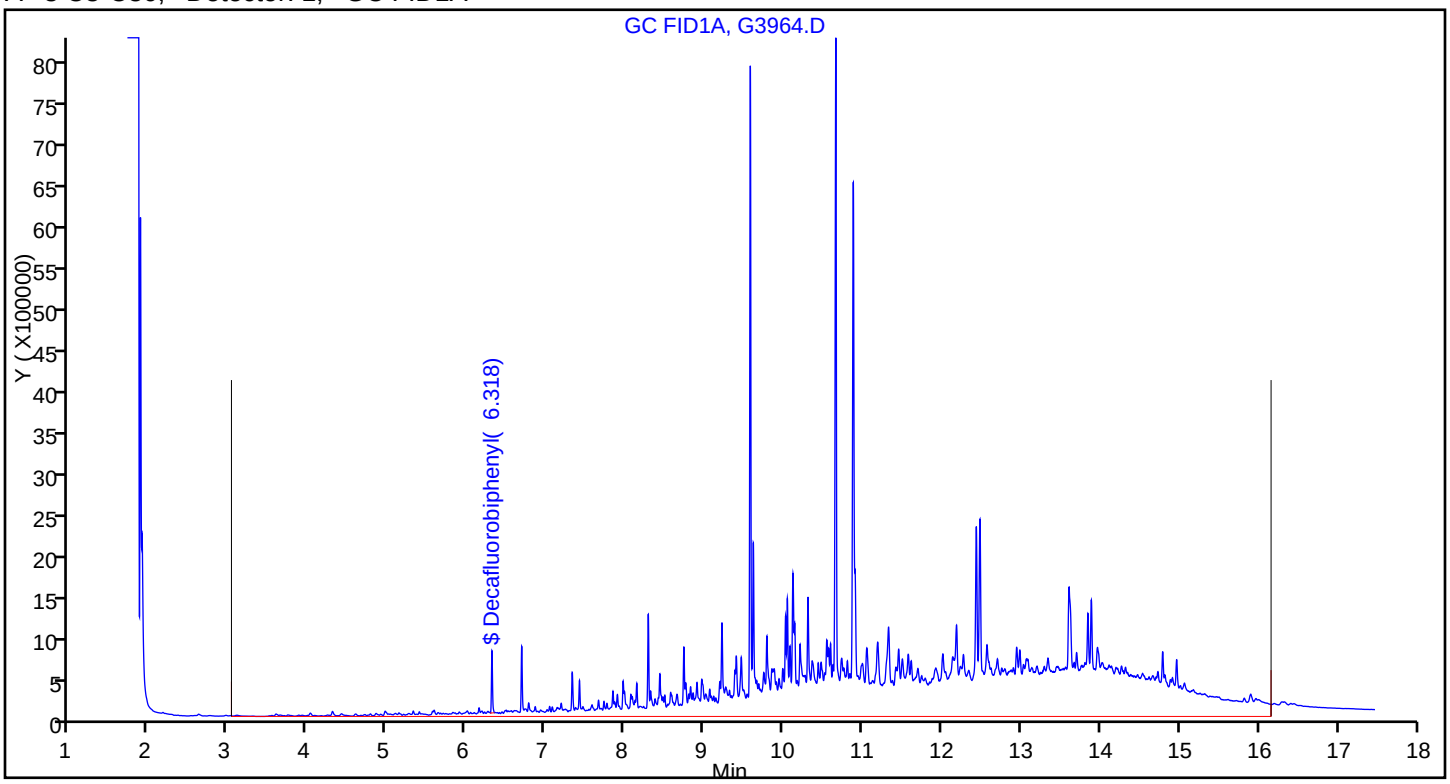


Report Date: 07-Mar-2011 17:31:16 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3964.D

Injection Date:	07-Mar-2011 16:36:45	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	16
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:040050 Lab Sample ID: 510-62781-2

Matrix: Solid Lab File ID: G3967.D

Analysis Method: 8015B Date Collected: 03/03/2011 10:20

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.73(g) Date Analyzed: 03/07/2011 18:13

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 10.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<22		22	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	30		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3967.D		
Lims ID:	510-62781-J-2-A	Client ID:	SB0058:TP1:040050
Inject. Date:	07-Mar-2011 18:13:12	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-j-2-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	16
Lims Batch ID:	76964	Lims Sample ID:	19
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 21:48:51	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	08-Mar-2011 08:18:18

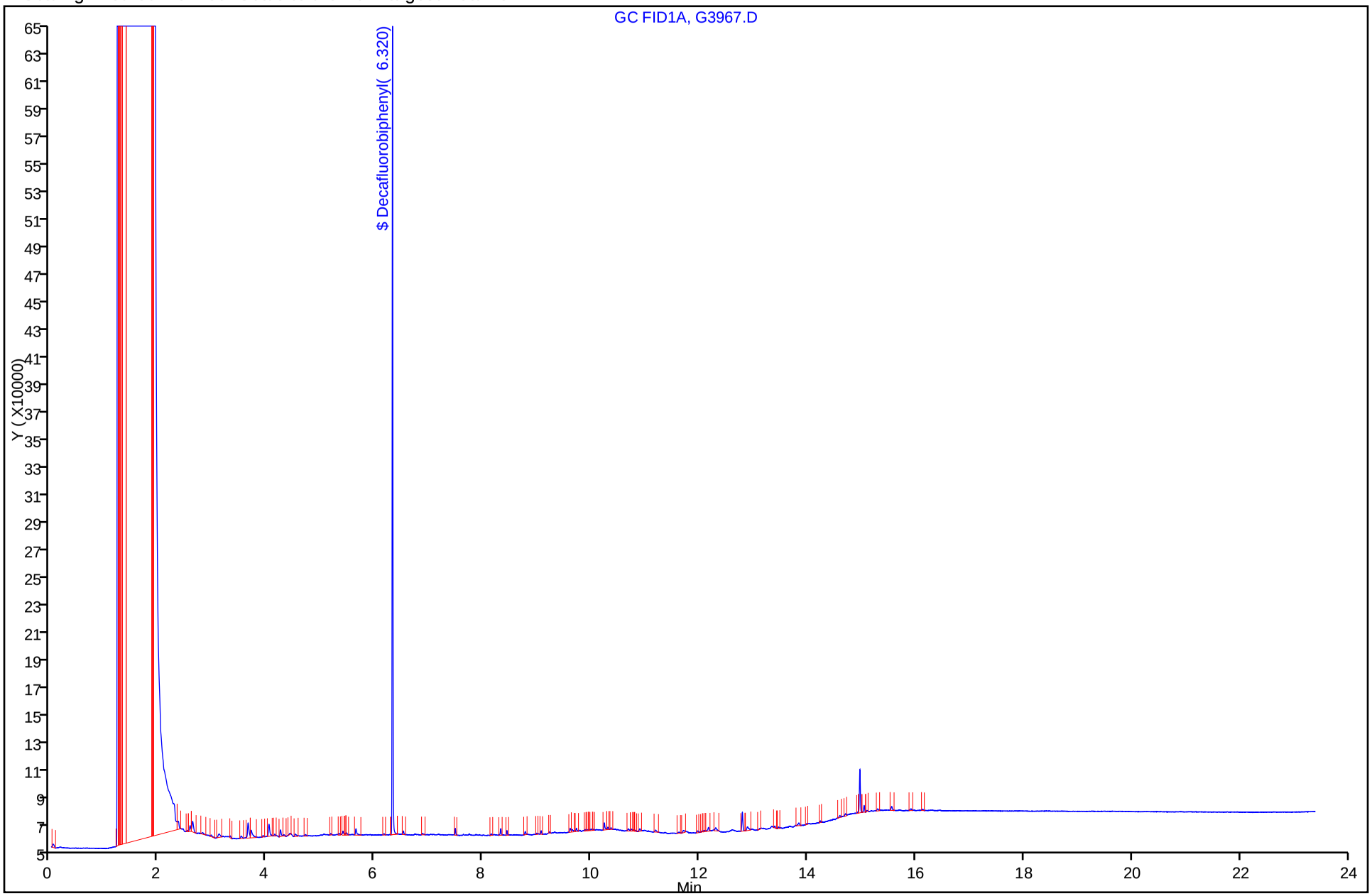
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.320	6.327	-0.007	546495	5.98	
A	3 C8-C36	9.593	3.028 - 16.157		5181654	33.6	

Report Date: 08-Mar-2011 08:18:18 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3967.D

Injection Date:	07-Mar-2011 18:13:12	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP1:040050	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	19
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:000020 Lab Sample ID: 510-62781-3

Matrix: Solid Lab File ID: G3968.D

Analysis Method: 8015B Date Collected: 03/03/2011 10:40

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.09(g) Date Analyzed: 03/07/2011 18:45

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 13.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<23		23	3.4

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	46		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3968.D		
Lims ID:	510-62781-J-3-A	Client ID:	SB0058:TP2:000020
Inject. Date:	07-Mar-2011 18:45:10	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-j-3-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	17
Lims Batch ID:	76964	Lims Sample ID:	20
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 21:48:51	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	08-Mar-2011 08:18:25

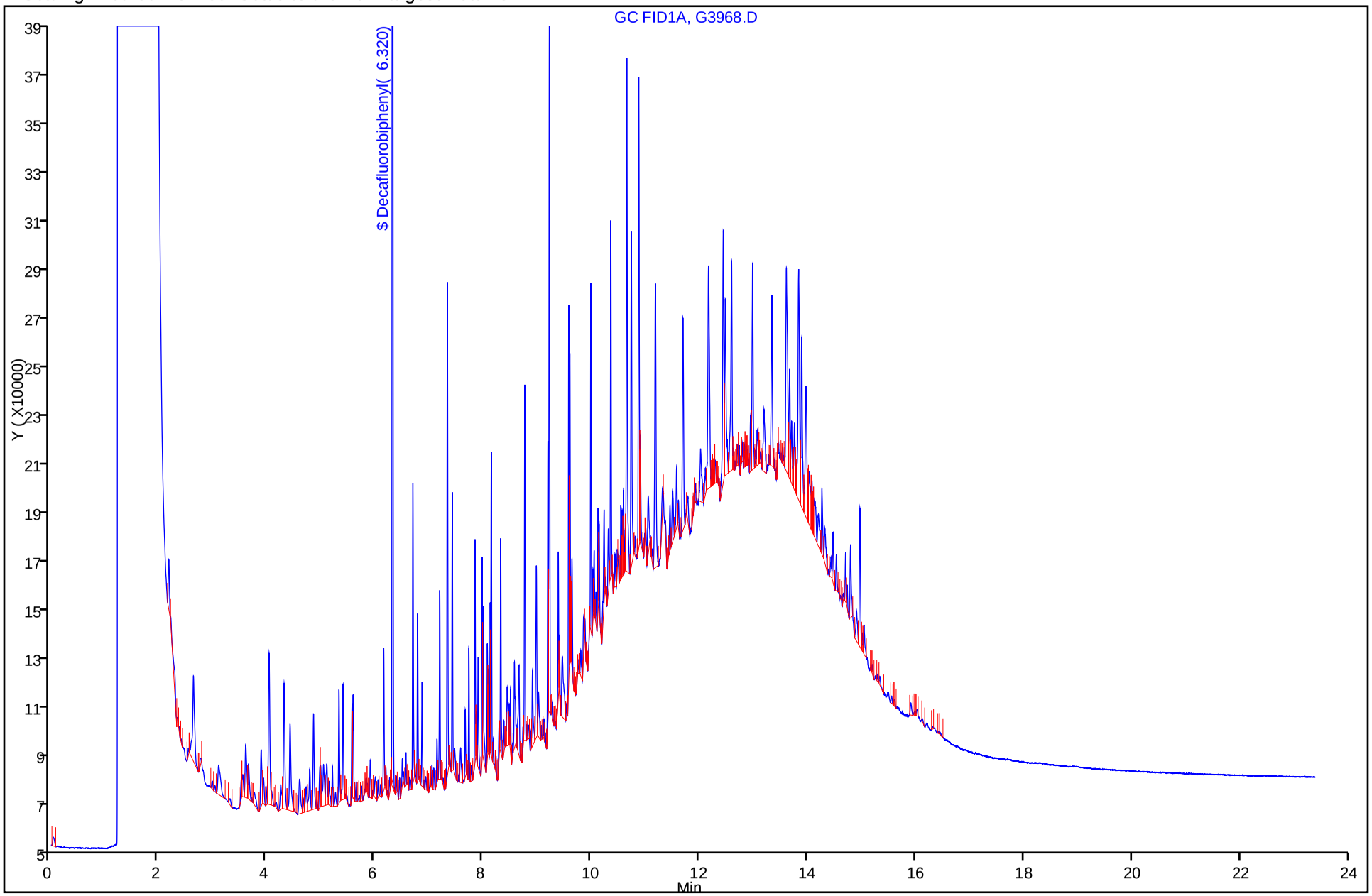
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.320	6.327	-0.007	843720	9.24	
A	3 C8-C36	9.593	3.028 - 16.157		51360497	332.8	

Report Date: 08-Mar-2011 08:18:25 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3968.D

Injection Date:	07-Mar-2011 18:45:10	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP2:000020	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	20
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP2:040050 Lab Sample ID: 510-62781-4

Matrix: Solid Lab File ID: G3969.D

Analysis Method: 8015B Date Collected: 03/03/2011 10:50

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.55(g) Date Analyzed: 03/07/2011 19:17

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 8.8 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<22		22	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	28		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3969.D		
Lims ID:	510-62781-J-4-A	Client ID:	SB0058:TP2:040050
Inject. Date:	07-Mar-2011 19:17:05	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-j-4-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	18
Lims Batch ID:	76964	Lims Sample ID:	21
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 21:48:51	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	08-Mar-2011 08:18:31

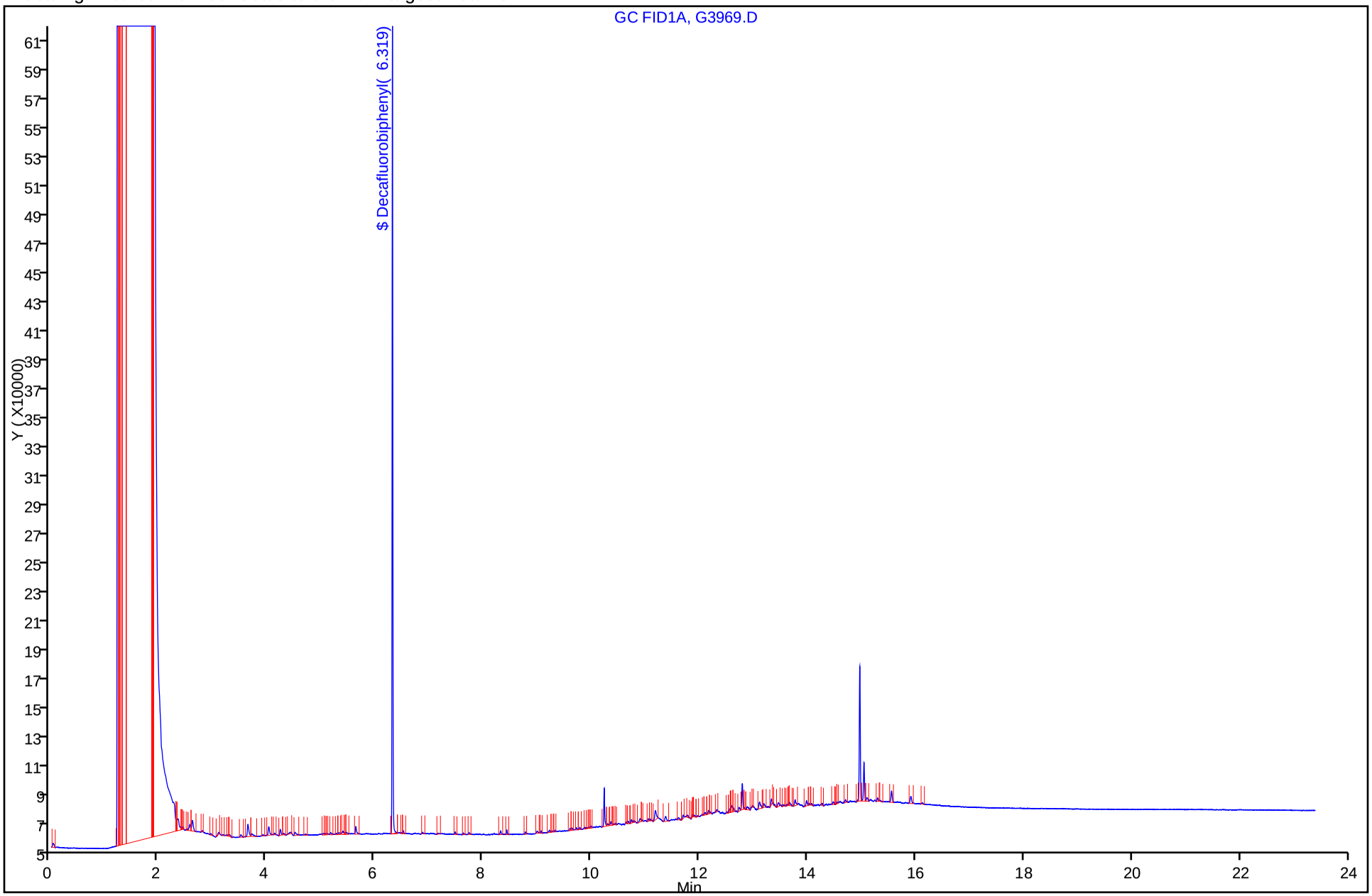
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.319	6.327	-0.008	518112	5.67	
A	3 C8-C36	9.593	3.028 - 16.157		8077430	52.3	

Report Date: 08-Mar-2011 08:18:32 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3969.D

Injection Date:	07-Mar-2011 19:17:05	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP2:040050	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	21
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058: FIELD DUPLICATE Lab Sample ID: 510-62781-5

Matrix: Solid Lab File ID: G3970.D

Analysis Method: 8015B Date Collected: 03/03/2011 10:30

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.17(g) Date Analyzed: 03/07/2011 19:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 8.4 GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<22		22	3.2

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	38		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3970.D		
Lims ID:	510-62781-J-5-A	Client ID:	SB0058: FIELD DUPLICATE
Inject. Date:	07-Mar-2011 19:48:54	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	510-62781-j-5-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	19
Lims Batch ID:	76964	Lims Sample ID:	22
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 21:48:51	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		
First Level Reviewer: iversc		Date:	08-Mar-2011 08:18:38

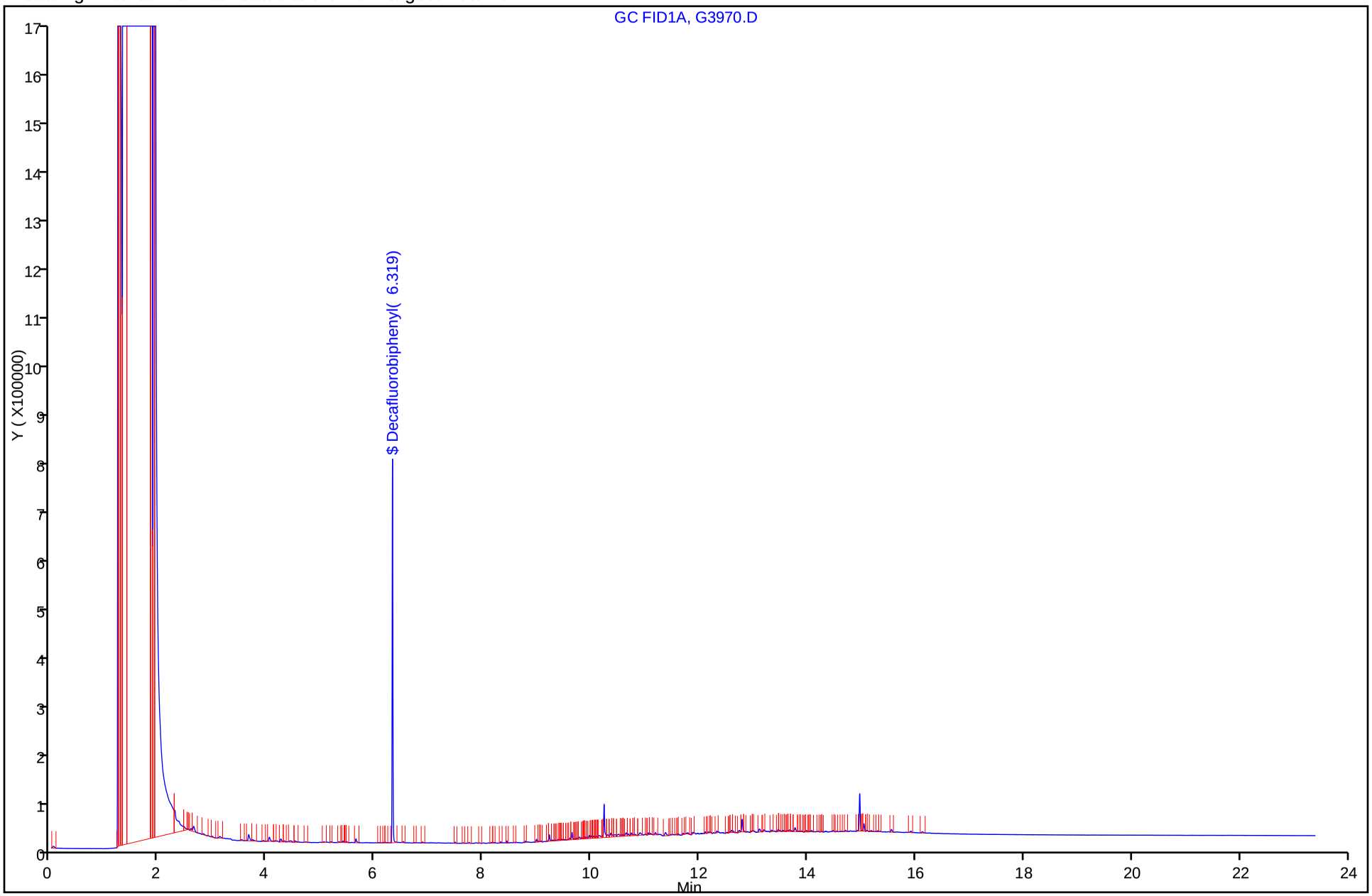
	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$	2 Decafluorobiphenyl	6.319	6.327	-0.008	691112	7.57	
A	3 C8-C36	9.593	3.028 - 16.157		9126379	59.1	

Report Date: 08-Mar-2011 08:18:40 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3970.D

Injection Date:	07-Mar-2011 19:48:54	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058: FIELD DUPLICATE	Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	22
Operator ID:	CI	Injection Vol:	1.00 ul

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 8



FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 73180

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2010 18:24 Calibration End Date: 12/11/2010 22:11 Calibration ID: 3600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-73180/3	G3037.D
Level 2	STD 510-73180/4	G3038.D
Level 3	STD 510-73180/5	G3039.D
Level 4	STD 510-73180/6	G3040.D
Level 5	STD 510-73180/7	G3041.D
Level 6	STD 510-73180/8	G3042.D
Level 7	STD 510-73180/9	G3043.D
Level 8	STD 510-73180/10	G3044.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7	LVL 8			RT WINDOW	AVG RT
C8-C28	8.394	8.394	8.394	8.394	8.394	8.394	8.394	8.394			3.034 - 13.754	8.394
Diesel Range Organics [C10-C28]	9.563	9.563	9.563	9.563	9.563	9.563	9.563	9.563			5.372 - 13.754	9.563
C8-C36	9.620	9.620	9.620	9.620	9.620	9.620	9.620	9.620			3.034 - 16.205	9.620
Decafluorobiphenyl	6.327	6.330	6.331	6.333	6.336	6.338	6.341				6.277 - 6.377	6.334

FORM VI
DIESEL RANGE ORGANICS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUTION

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1 Analy Batch No.: 73180

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2010 18:24 Calibration End Date: 12/11/2010 22:11 Calibration ID: 3600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-73180/3	G3037.D
Level 2	STD 510-73180/4	G3038.D
Level 3	STD 510-73180/5	G3039.D
Level 4	STD 510-73180/6	G3040.D
Level 5	STD 510-73180/7	G3041.D
Level 6	STD 510-73180/8	G3042.D
Level 7	STD 510-73180/9	G3043.D
Level 8	STD 510-73180/10	G3044.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	158565 152476	158628 149558	140840 145316	143652 143401	Ave		149054.582				4.7		20.0			
Diesel Range Organics [C10-C28]	143760 141625	146240 138579	123805 134908	131938 133309	Ave		136770.786				5.3		20.0			
C8-C36	181136 153119	169297 150005	146451 145552	145597 143442	Ave		154324.768				8.8		20.0			
Decafluorobiphenyl	89894 97284	95410 92307	83171 91715	89713	Ave		91356.1735				5.0		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.: 510-62781-1 Analy Batch No.: 73180

SDG No.:

Instrument ID: SGCC GC Column: 8015 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/11/2010 18:24 Calibration End Date: 12/11/2010 22:11 Calibration ID: 3600

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 510-73180/3	G3037.D
Level 2	STD 510-73180/4	G3038.D
Level 3	STD 510-73180/5	G3039.D
Level 4	STD 510-73180/6	G3040.D
Level 5	STD 510-73180/7	G3041.D
Level 6	STD 510-73180/8	G3042.D
Level 7	STD 510-73180/9	G3043.D
Level 8	STD 510-73180/10	G3044.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	7928185 224334774	15862634 290629656	35209662 430198906	71825086	152474894	50.0 1500	100.0 2000	250 3000	500	1000
Diesel Range Organics [C10-C28]	Ave	7187951 207866366	14623890 269813398	30951063 399924138	65968467	141623922	50.0 1500	100.0 2000	250 3000	500	1000
C8-C36	Ave	9056704 225004773	16929562 291101129	36612274 430322206	72797553	153117417	50.0 1500	100.0 2000	250 3000	500	1000
Decafluorobiphenyl	Ave	4494684 36922759	9541008 45857256	16634182	22428273	29185213	50.0 400	100 500	200	250	300

Curve Type Legend:
Ave = Average

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3037.D		
Lims ID:	STD 50	Client ID:	
Inject. Date:	11-Dec-2010 18:24:24	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#:	7
Lims Batch ID:	73180	Lims Sample ID:	3
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:21:27	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:21:27

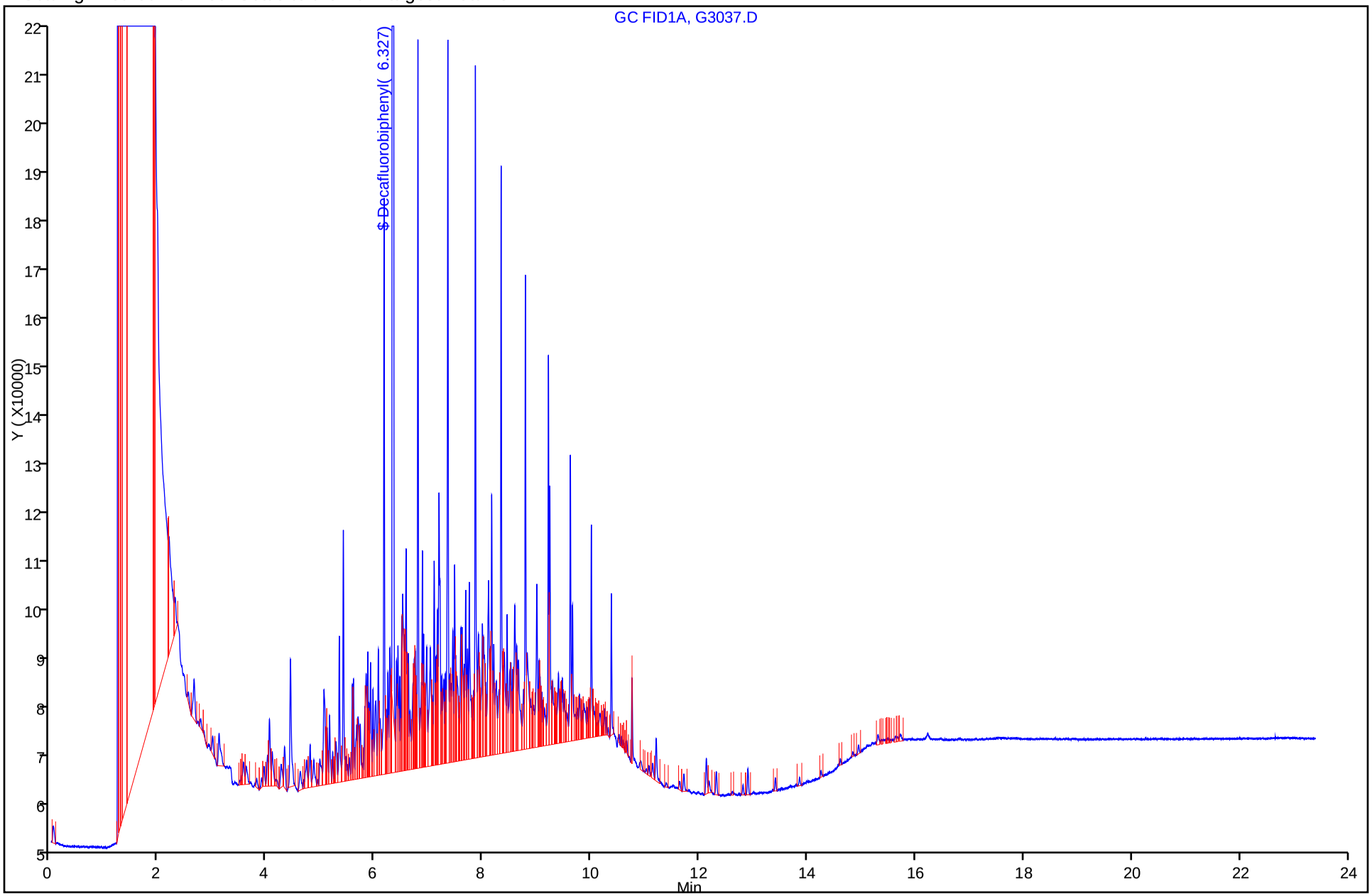
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.327	6.327	0.0	4494684	49.2	
A 10 C8-C28	8.394	3.034 - 13.754		7928185	53.2	
A 4 C10-C28	9.563	5.372 - 13.754		7187951	52.6	
A 3 C8-C36	9.620	3.034 - 16.205		9056704	58.7	

Report Date: 12-Dec-2010 11:21:28 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3037.D

Injection Date:	11-Dec-2010 18:24:24	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3038.D		
Lims ID:	STD 100	Client ID:	
Inject. Date:	11-Dec-2010 18:56:32	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#:	8
Lims Batch ID:	73180	Lims Sample ID:	4
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:21:35	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:21:35

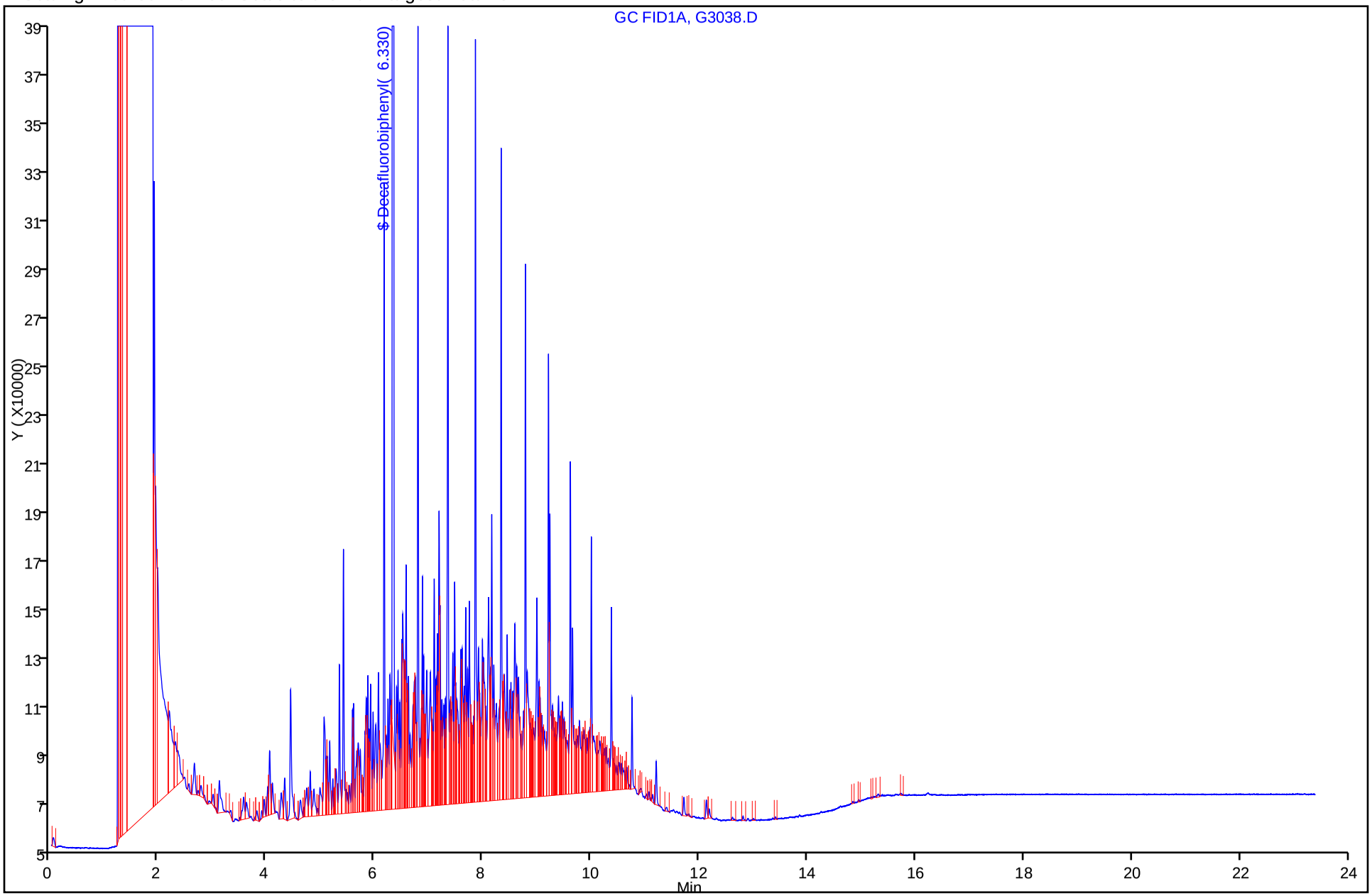
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.330	6.327	0.003	9541008	104.4	
A 10 C8-C28	8.394	3.034 - 13.754		15862634	106.4	
A 4 C10-C28	9.563	5.372 - 13.754		14623890	106.9	
A 3 C8-C36	9.620	3.034 - 16.205		16929562	109.7	

Report Date: 12-Dec-2010 11:21:35 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3038.D

Injection Date:	11-Dec-2010 18:56:32	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3039.D		
Lims ID:	STD 250	Client ID:	
Inject. Date:	11-Dec-2010 19:28:46	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#:	9
Lims Batch ID:	73180	Lims Sample ID:	5
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:21:46	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:21:46

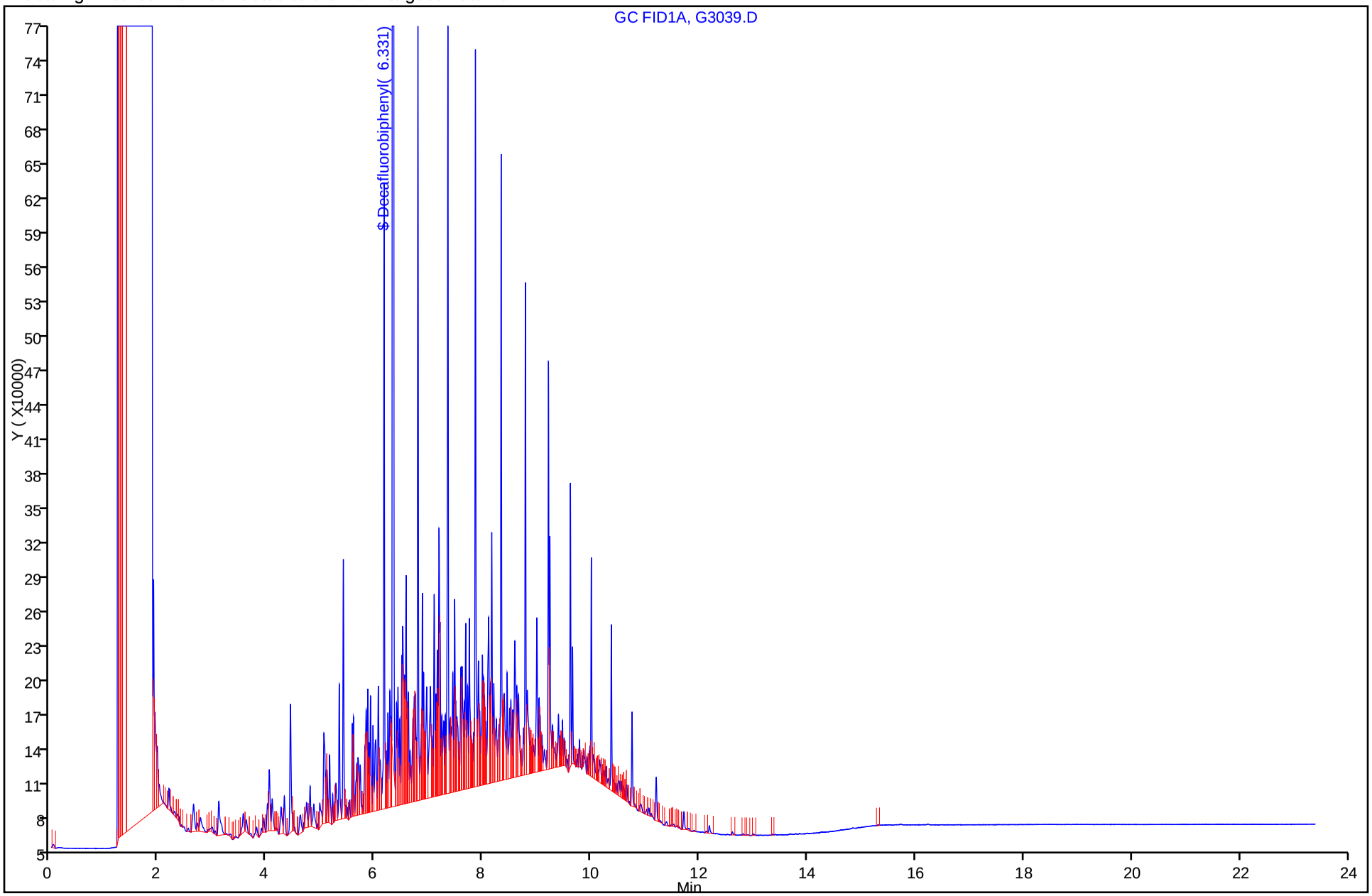
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.331	6.327	0.004	16634182	182.1	
A 10 C8-C28	8.394	3.034 - 13.754		35209662	236.2	
A 4 C10-C28	9.563	5.372 - 13.754		30951063	226.3	
A 3 C8-C36	9.620	3.034 - 16.205		36612274	237.2	

Report Date: 12-Dec-2010 11:21:47 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3039.D

Injection Date:	11-Dec-2010 19:28:46	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3040.D		
Lims ID:	STD 500	Client ID:	
Inject. Date:	11-Dec-2010 20:01:06	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#:	10
Lims Batch ID:	73180	Lims Sample ID:	6
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:21:57	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:21:57

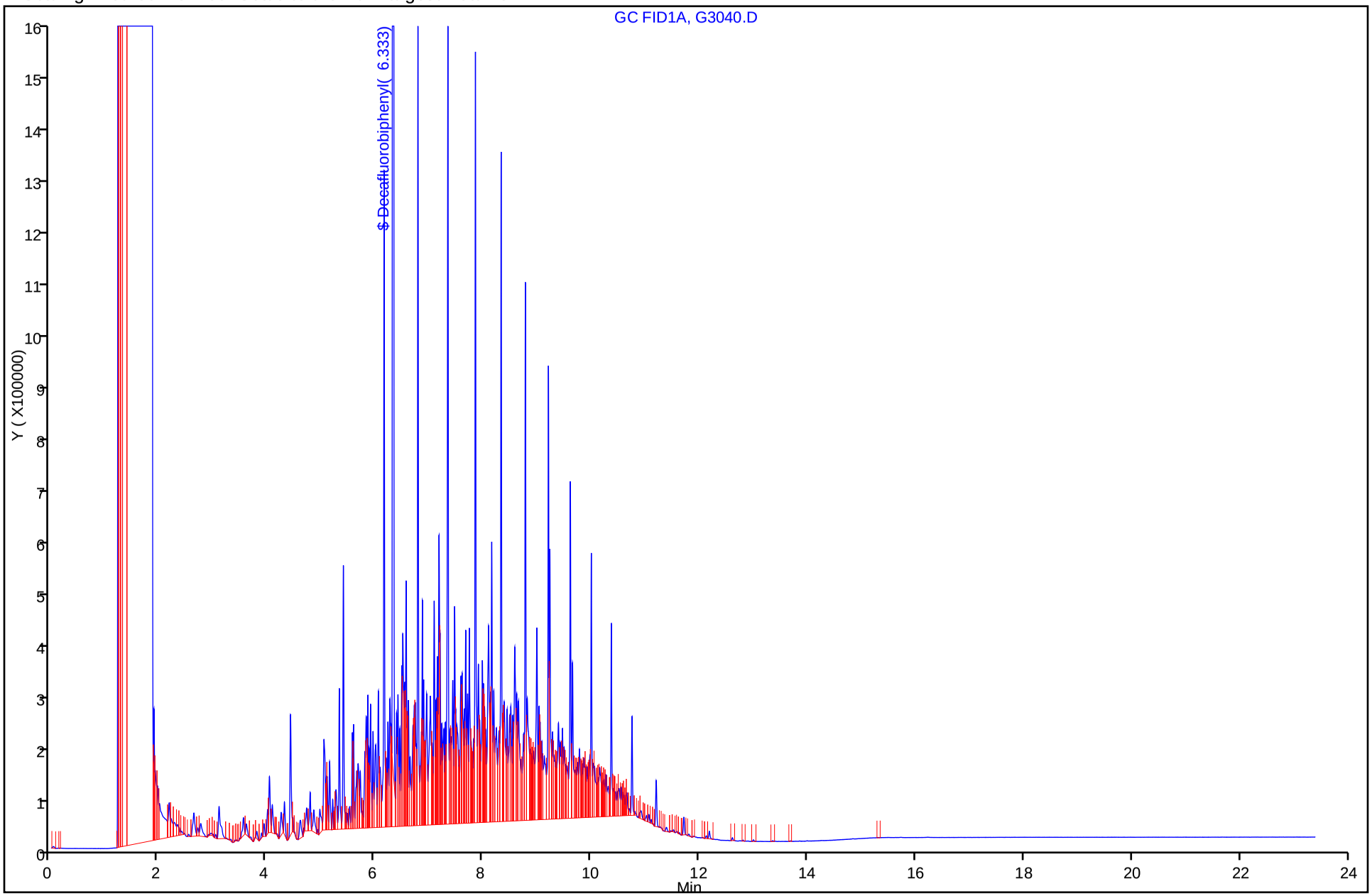
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.333	6.327	0.006	22428273	245.5	
A 10 C8-C28	8.394	3.034 - 13.754		71825086	481.9	
A 4 C10-C28	9.563	5.372 - 13.754		65968467	482.3	
A 3 C8-C36	9.620	3.034 - 16.205		72797553	471.7	

Report Date: 12-Dec-2010 11:21:58 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3040.D

Injection Date:	11-Dec-2010 20:01:06	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3041.D		
Lims ID:	STD 1000	Client ID:	
Inject. Date:	11-Dec-2010 20:33:36	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#:	11
Lims Batch ID:	73180	Lims Sample ID:	7
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:22:06	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:22:05

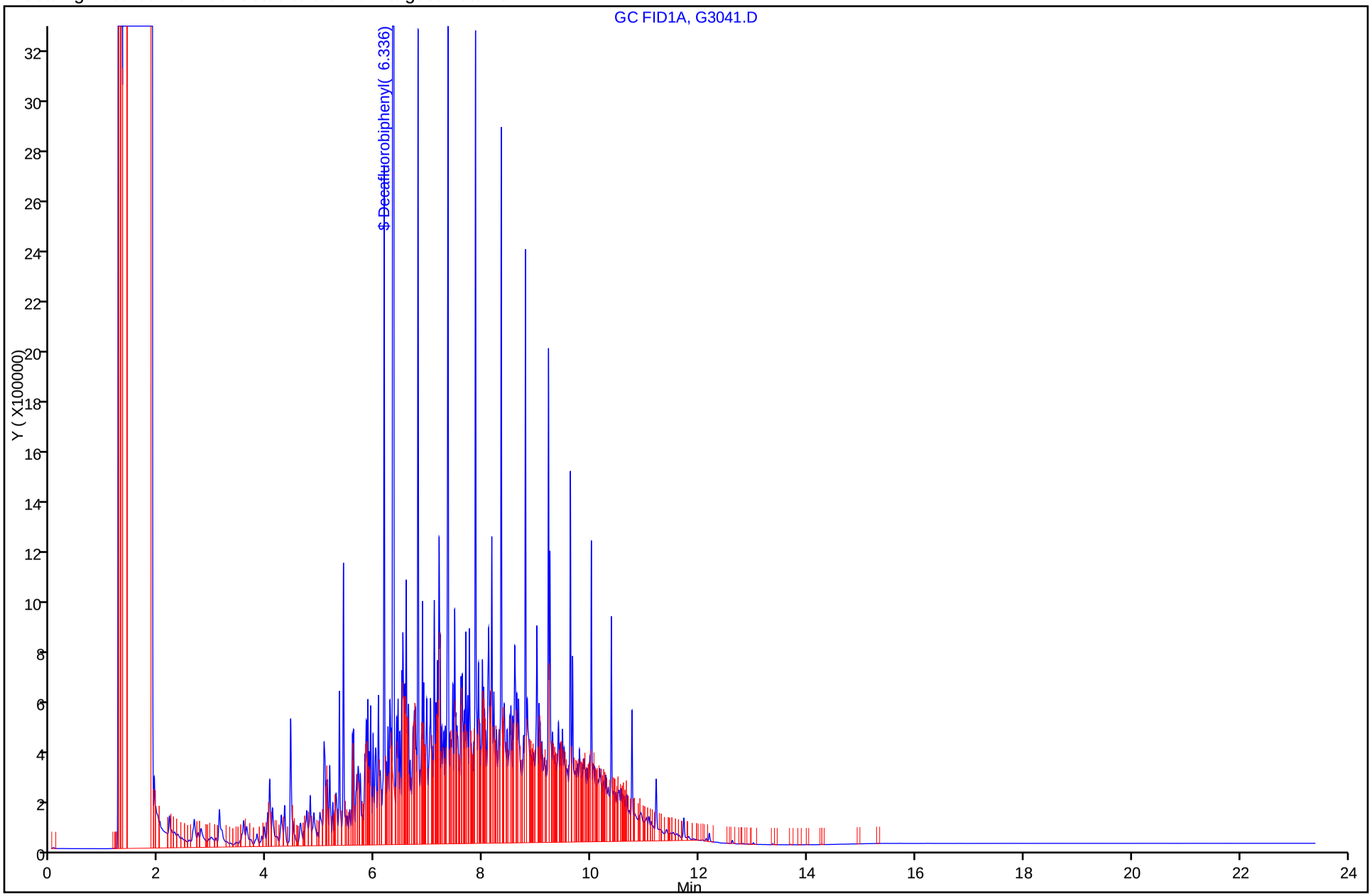
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.336	6.327	0.009	29185213	319.5	
A 10 C8-C28	8.394	3.034 - 13.754		152474894	1022.9	
A 4 C10-C28	9.563	5.372 - 13.754		141623922	1035.5	
A 3 C8-C36	9.620	3.034 - 16.205		153117417	992.2	

Report Date: 12-Dec-2010 11:22:06 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3041.D

Injection Date:	11-Dec-2010 20:33:36	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3042.D		
Lims ID:	STD 1500	Client ID:	
Inject. Date:	11-Dec-2010 21:06:15	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#:	12
Lims Batch ID:	73180	Lims Sample ID:	8
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:22:14	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:22:14

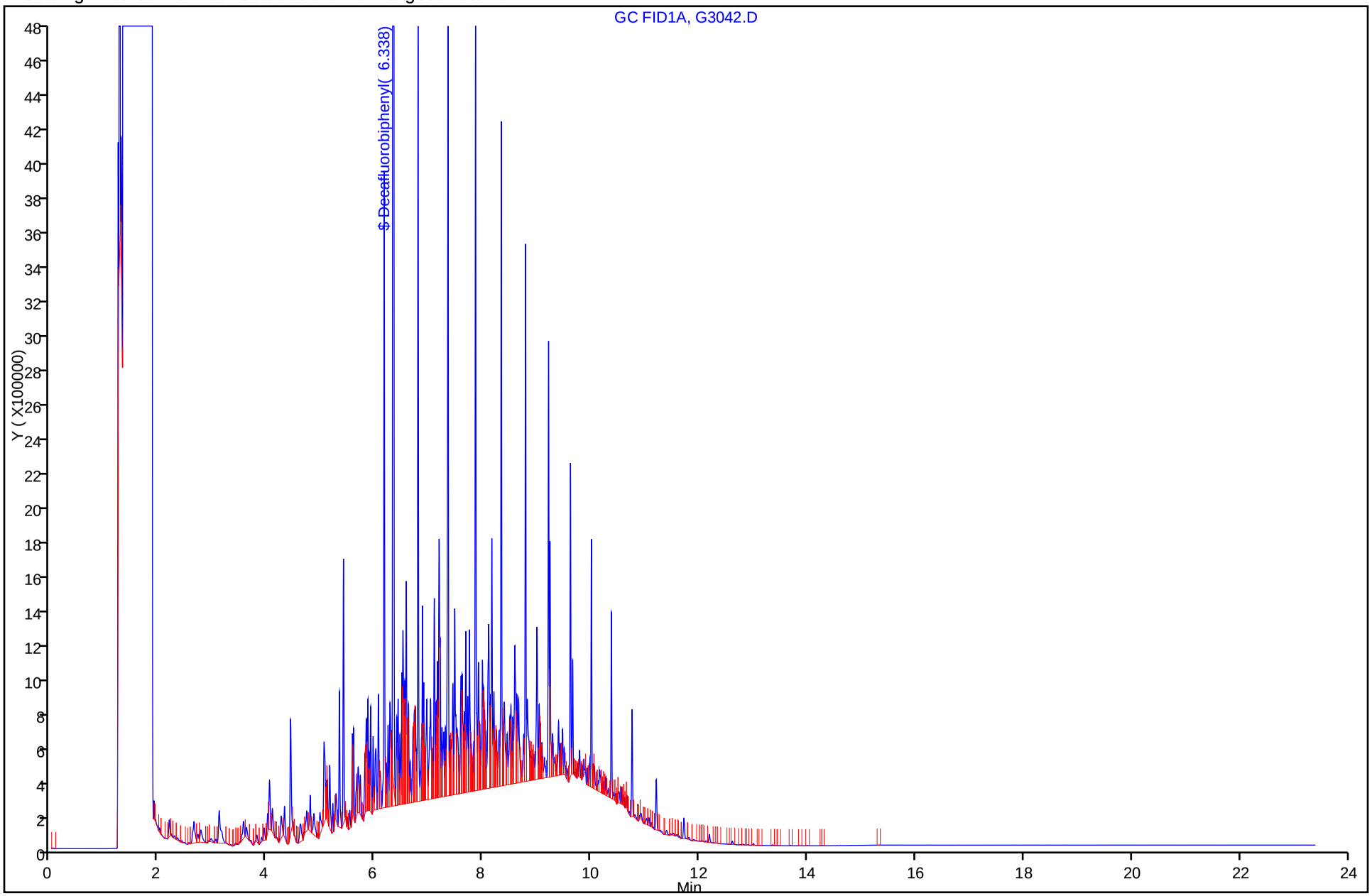
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.338	6.327	0.011	36922759	404.2	
A 10 C8-C28	8.394	3.034 - 13.754		224334774	1505.1	
A 4 C10-C28	9.563	5.372 - 13.754		207866366	1519.8	
A 3 C8-C36	9.620	3.034 - 16.205		225004773	1458.0	

Report Date: 12-Dec-2010 11:22:14 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3042.D

Injection Date:	11-Dec-2010 21:06:15	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3043.D		
Lims ID:	STD 2000	Client ID:	
Inject. Date:	11-Dec-2010 21:38:58	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#:	13
Lims Batch ID:	73180	Lims Sample ID:	9
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:22:22	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:22:22

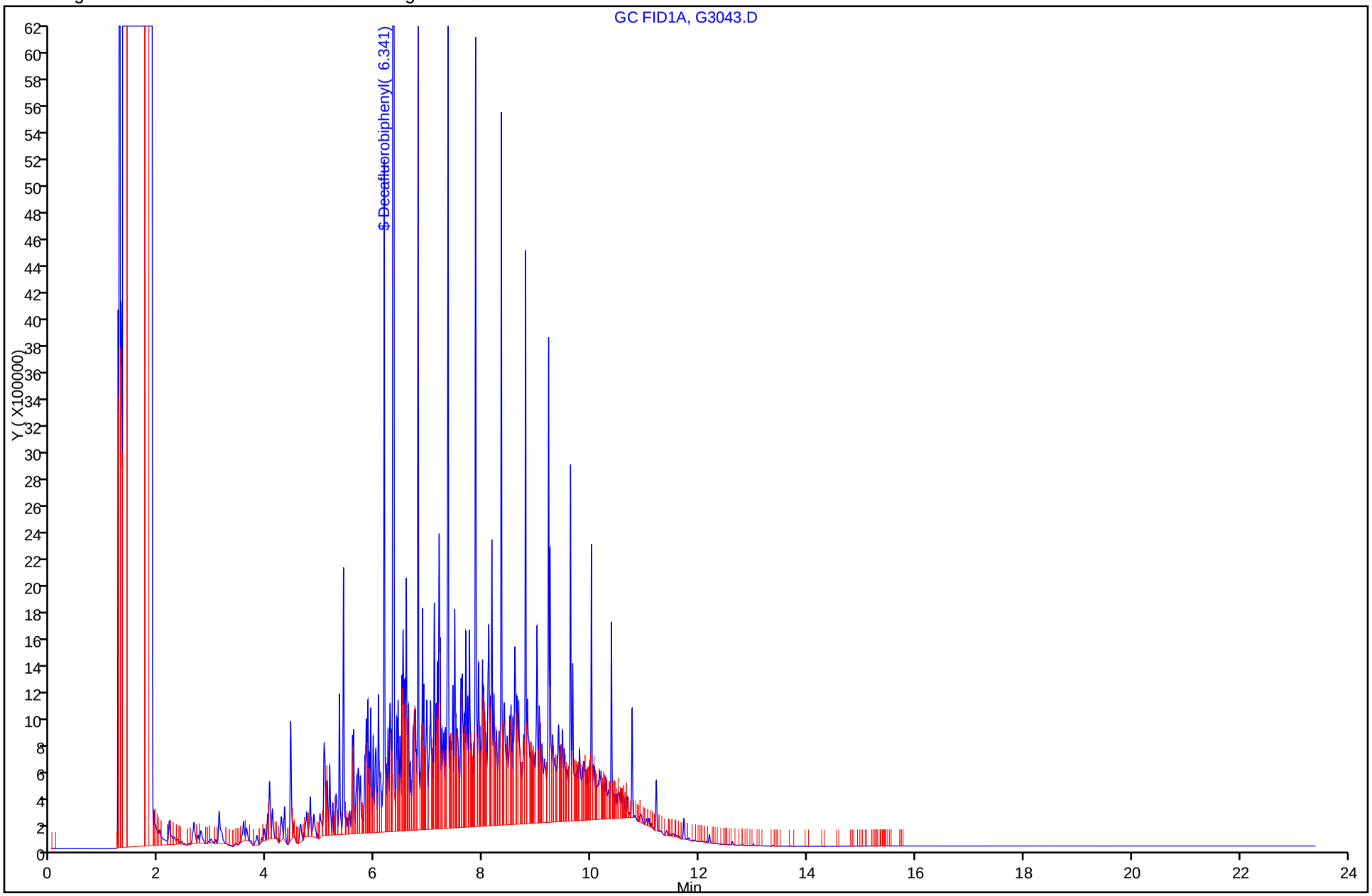
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.341	6.327	0.014	45857256	502.0	
A 10 C8-C28	8.394	3.034 - 13.754		290629656	1949.8	
A 4 C10-C28	9.563	5.372 - 13.754		269813398	1972.7	
A 3 C8-C36	9.620	3.034 - 16.205		291101129	1886.3	

Report Date: 12-Dec-2010 11:22:22 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3043.D

Injection Date:	11-Dec-2010 21:38:58	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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\20101211-4027.b\G3044.D		
Lims ID:	STD 3000	Client ID:	
Inject. Date:	11-Dec-2010 22:11:36	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#:	14
Lims Batch ID:	73180	Lims Sample ID:	10
Sublist:	chrom-DRO_8015*sub7		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20101211-4027.b\DRO_8015.m		
Last Update:	12-Dec-2010 11:23:18	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 12-Dec-2010 11:23:18

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl		6.327				U
A 10 C8-C28	8.394	3.034 - 13.754		430198906	2886.2	
A 4 C10-C28	9.563	5.372 - 13.754		399924138	2924.0	
A 3 C8-C36	9.620	3.034 - 16.205		430322206	2788.4	

QC Flag Legend

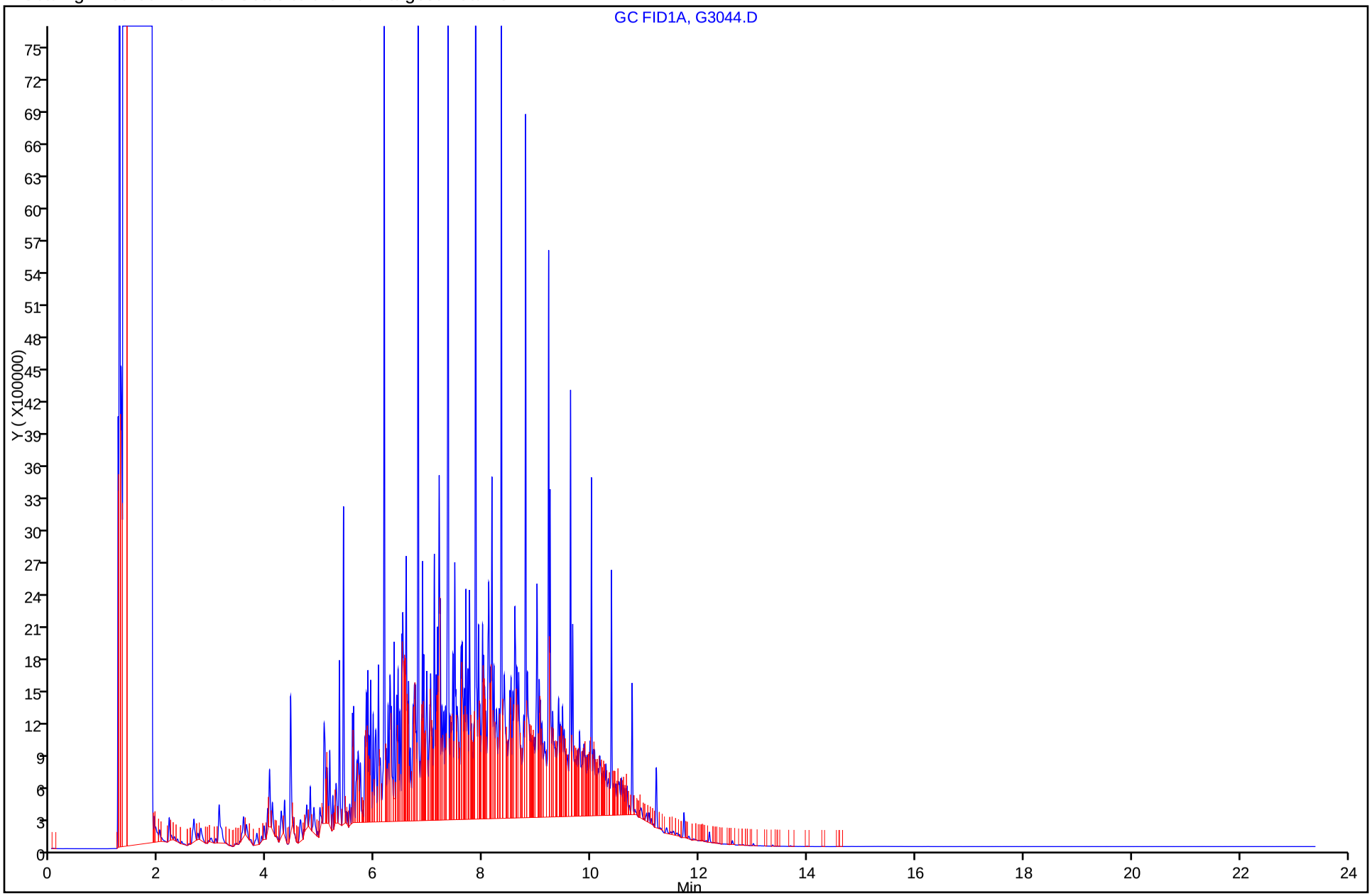
Review Flags
U - Marked Undetected

Report Date: 12-Dec-2010 11:23:18 Chrom Revision: 1.2 29-Oct-2010 14:13:24

Data File: \\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D

Injection Date:	11-Dec-2010 22:11:36	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	73180	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.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 510-76964/12 Calibration Date: 03/07/2011 14:28

Instrument ID: SGCC Calib Start Date: 12/11/2010 18:24

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 12/11/2010 22:11

Lab File ID: G3960.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	149055	165.0		1100000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	136771	150816		1100	995	10.3	15.0
C8-C36	Ave	154325	165776		1070	995	7.4	15.0
Decafluorobiphenyl	Ave	91356	99191		65.1	60.0	8.6	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 510-76964/12 Calibration Date: 03/07/2011 14:28

Instrument ID: SGCC Calib Start Date: 12/11/2010 18:24

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 12/11/2010 22:11

Lab File ID: G3960.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.42	3.03	13.81
Diesel Range Organics [C10-C28]	9.59	5.36	13.81
C8-C36	9.59	3.03	16.16
Decafluorobiphenyl	6.32	6.28	6.38

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3960.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	07-Mar-2011 14:28:39	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:	76964	Lims Sample ID:	12
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 14:53:59	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 07-Mar-2011 14:53:59

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.321	6.327	-0.006	5951443	65.1	
A 10 C8-C28	8.421	3.028 - 13.813		164147004	1101.3	
A 4 C10-C28	9.587	5.361 - 13.813		150061425	1097.2	
A 3 C8-C36	9.593	3.028 - 16.157		164947332	1068.8	

Report Date: 07-Mar-2011 14:53:59 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3960.D

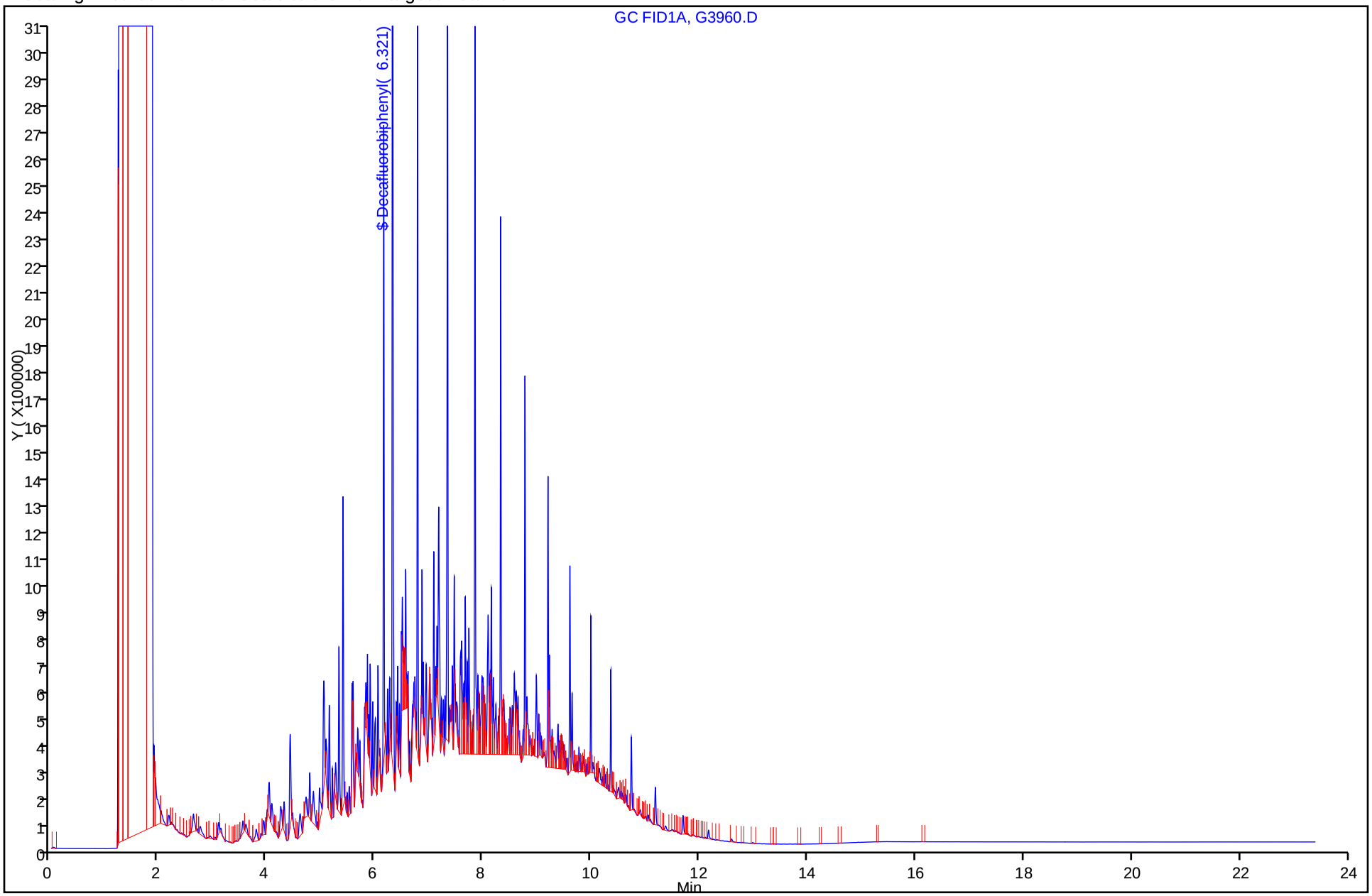
Injection Date: 07-Mar-2011 14:28:39 Limit Group: SGC - 8015 DRO_ERO Calibration

Client ID: Instrument ID: SGCC

Lims Batch ID: 76964 Lims Sample ID: 12

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.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 510-76964/24 Calibration Date: 03/07/2011 20:52

Instrument ID: SGCC Calib Start Date: 12/11/2010 18:24

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 12/11/2010 22:11

Lab File ID: G3972.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
C8-C28	Ave	149055	138.1		922000	995000	-99.9*	15.0
Diesel Range Organics [C10-C28]	Ave	136771	124357		905	995	-9.1	15.0
C8-C36	Ave	154325	139536		900	995	-9.6	15.0
Decafluorobiphenyl	Ave	91356	86438		56.8	60.0	-5.4	15.0

FORM VII
DIESEL RANGE ORGANICS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: CCV 510-76964/24 Calibration Date: 03/07/2011 20:52

Instrument ID: SGCC Calib Start Date: 12/11/2010 18:24

GC Column: 8015 (ERO/DRO) ID: 0.25(mm) Calib End Date: 12/11/2010 22:11

Lab File ID: G3972.D

Analyte	RT	RT WINDOW	
		TO	FROM
C8-C28	8.42	3.03	13.81
Diesel Range Organics [C10-C28]	9.59	5.36	13.81
C8-C36	9.59	3.03	16.16
Decafluorobiphenyl	6.32	6.28	6.38

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3972.D		
Lims ID:	ccv	Client ID:	
Inject. Date:	07-Mar-2011 20:52:27	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	ccv		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	4
Lims Batch ID:	76964	Lims Sample ID:	24
Sublist:	chrom-DRO_8015*sub8		
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	08-Mar-2011 08:18:58	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 08-Mar-2011 08:18:58

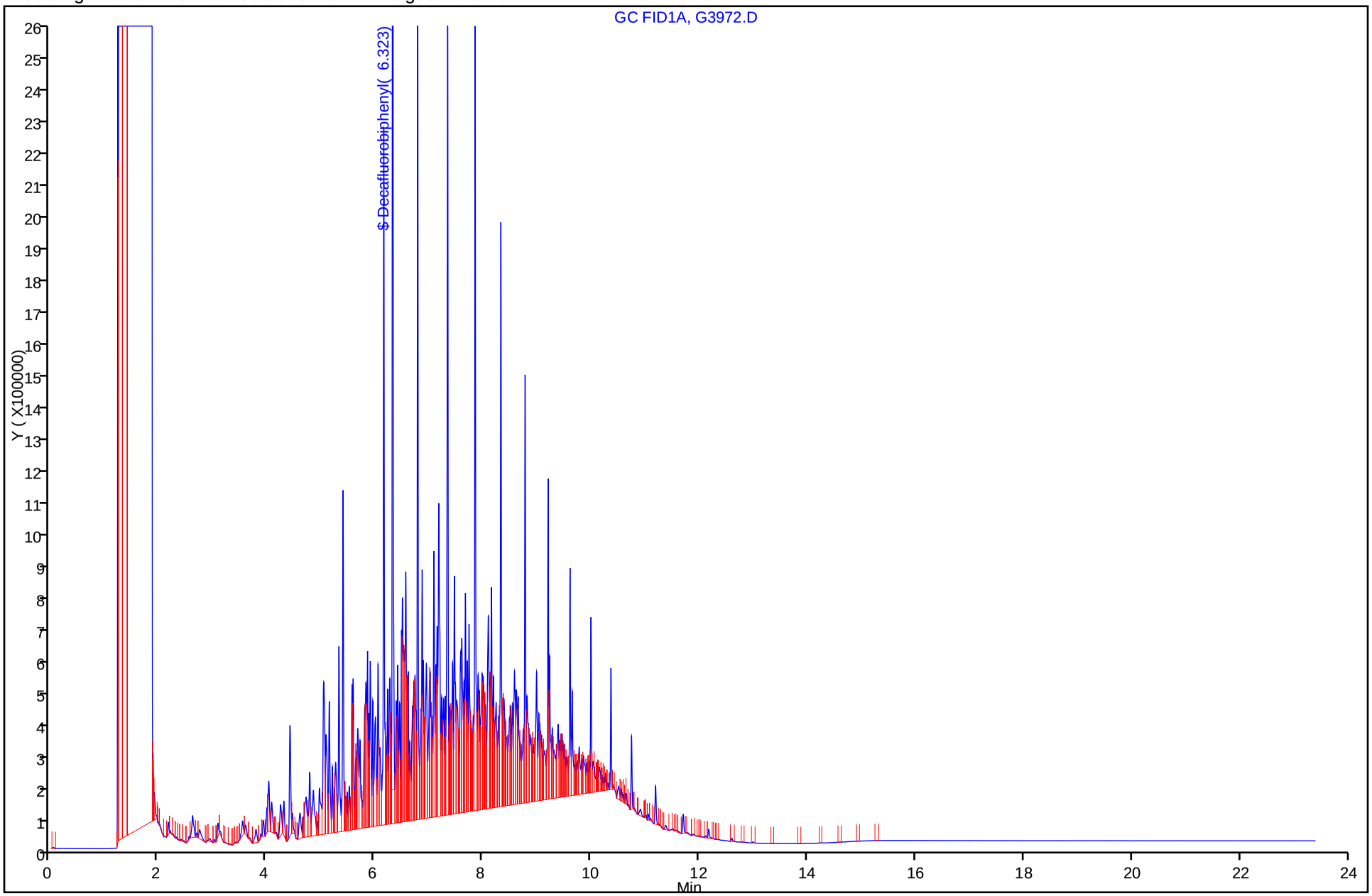
Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.323	6.327	-0.004	5186302	56.8	
A 10 C8-C28	8.421	3.028 - 13.813		137369527	921.6	
A 4 C10-C28	9.587	5.361 - 13.813		123735027	904.7	
A 3 C8-C36	9.593	3.028 - 16.157		138838373	899.7	

Report Date: 08-Mar-2011 08:18:58 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3972.D

Injection Date:	07-Mar-2011 20:52:27	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	76964	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.: 510-62781-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 510-76980/1-A

Matrix: Solid Lab File ID: G3962.D

Analysis Method: 8015B Date Collected:

Extraction Method: 3541 Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30(g) Date Analyzed: 03/07/2011 15:32

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.: 76964 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	49		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3962.D		
Lims ID:	MB 510-76980/1-A	Client ID:	
Inject. Date:	07-Mar-2011 15:32:40	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	mb 510-76980/1-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	11
Lims Batch ID:	76964	Lims Sample ID:	14
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 15:24:36	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 07-Mar-2011 17:31:00

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane	3.102	3.101	0.001	6025	0	
1 n-Decane	5.404	5.417	-0.013	2639	0	
$ 2 Decafluorobiphenyl	6.319	6.327	-0.008	900386	9.86	
A 10 C8-C28		3.028 -	13.813			
A 4 C10-C28		5.361 -	13.813			
A 3 C8-C36	9.593	3.028 -	16.157	3964551	25.7	
6 n-Octacosane		13.696				1
8 n-Hexatriacontane		16.048				1

QC Flag Legend

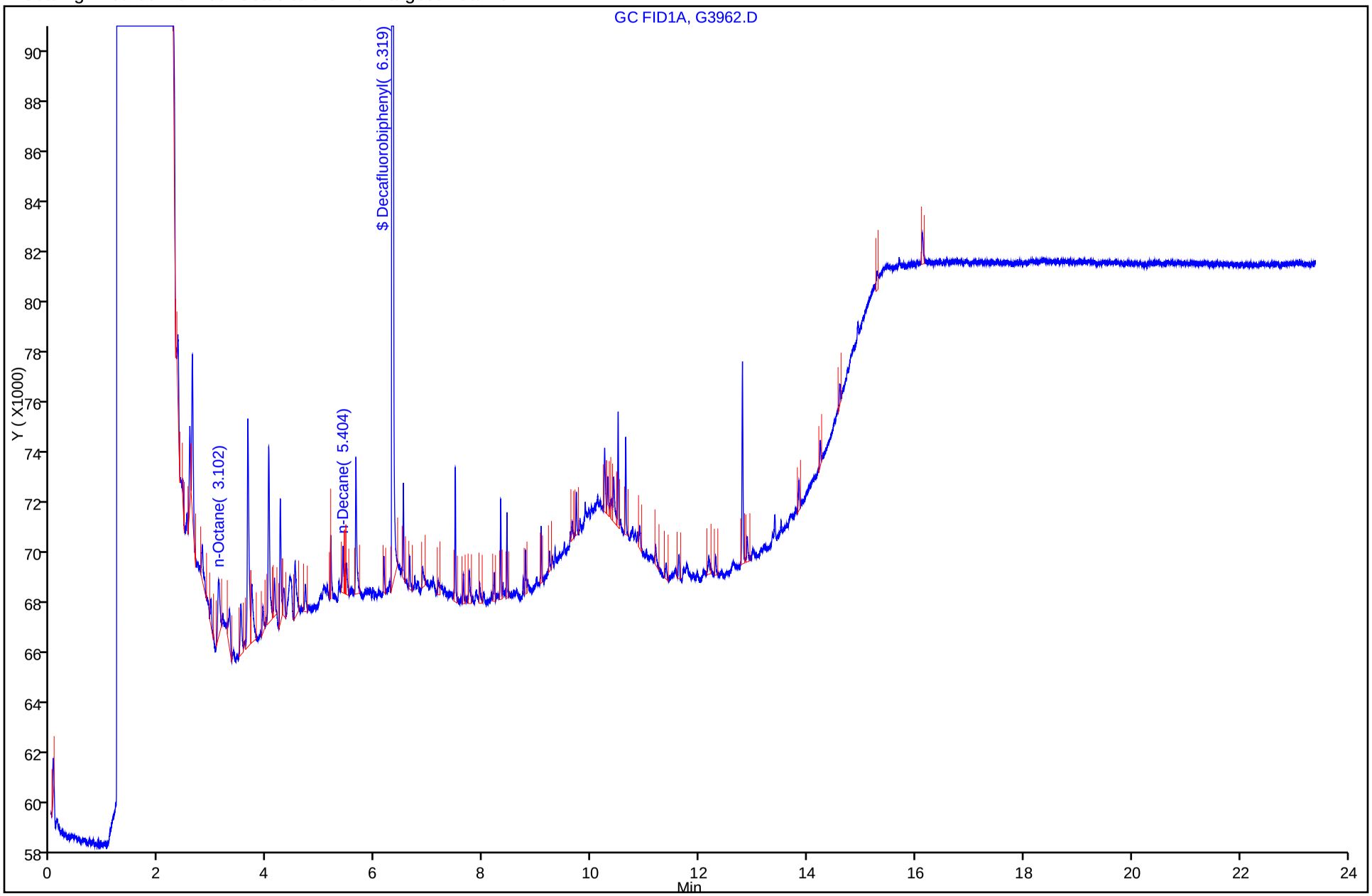
Processing Flags
1 - Missing Peaks

Report Date: 07-Mar-2011 17:31:01 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3962.D

Injection Date:	07-Mar-2011 15:32:40	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:		Instrument ID:	SGCC
Lims Batch ID:	76964	Lims Sample ID:	14
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.: 510-62781-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 510-76980/2-A

Matrix: Solid | Lab File ID: G3963.D

Analysis Method: 8015B | Date Collected:

Extraction Method: 3541 | Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30(g) | Date Analyzed: 03/07/2011 16:04

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.: 76964 | 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	69		10-122

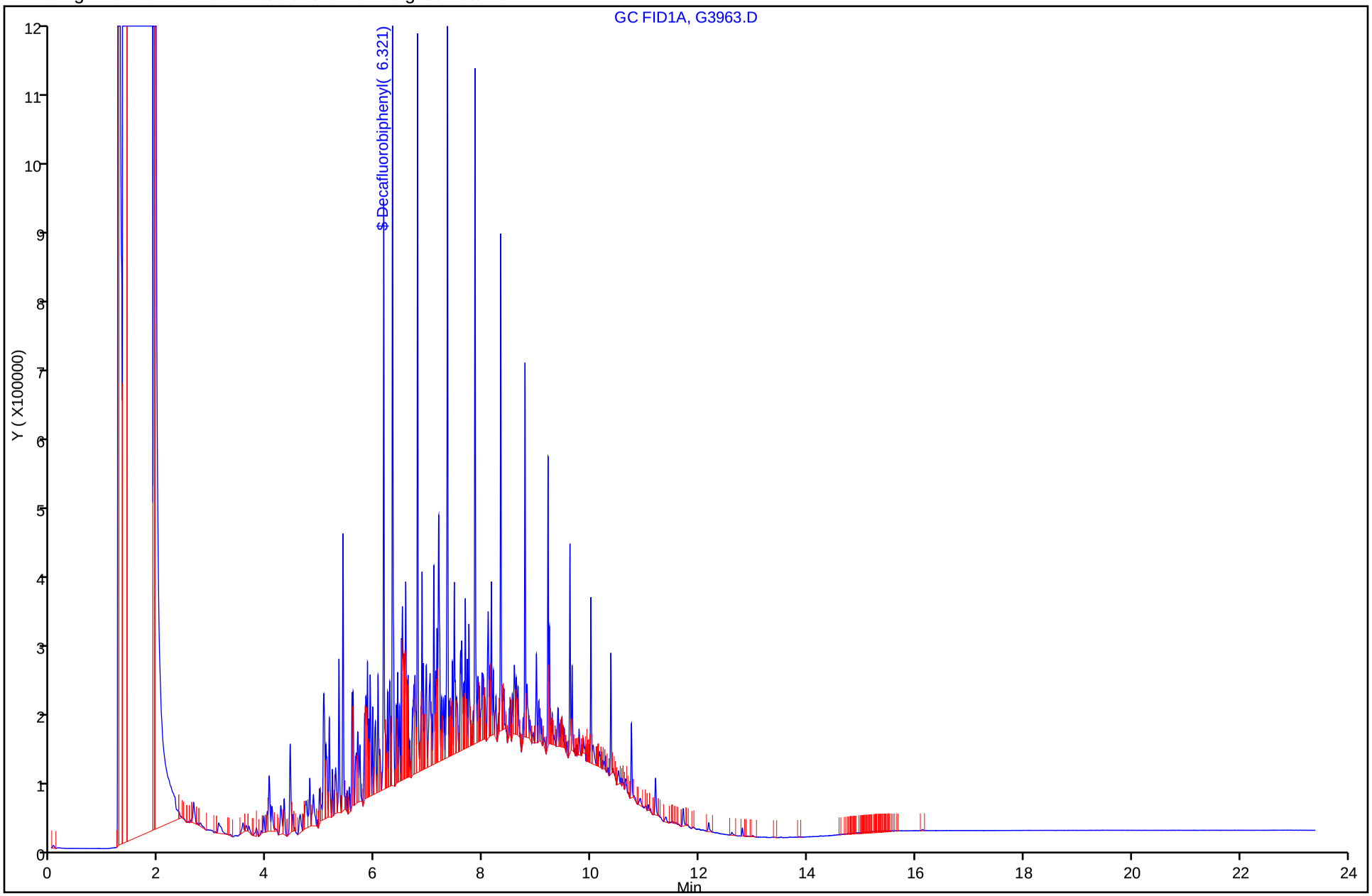
TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3963.D		
Lims ID:	LCS 510-76980/2-A	Client ID:	
Inject. Date:	07-Mar-2011 16:04:48	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	lcs 510-76980/2-a		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	12
Lims Batch ID:	76964	Lims Sample ID:	15
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 15:24:36	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 07-Mar-2011 17:31:08

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
$ 2 Decafluorobiphenyl	6.321	6.327	-0.006	1269241	13.9	
A 10 C8-C28	8.421	3.028 - 13.813		59050108	396.2	
A 4 C10-C28	9.587	5.361 - 13.813		54975488	402.0	
A 3 C8-C36	9.593	3.028 - 16.157		59892659	388.1	

Report Date: 07-Mar-2011 17:31:08 Chrom Revision: 1.2 17-Feb-2011 18:05:56
Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3963.D
Injection Date: 07-Mar-2011 16:04:48 Limit Group: SGC - 8015 DRO_ERO Calibration
Client ID: Instrument ID: SGCC
Lims Batch ID: 76964 Lims Sample ID: 15
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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MS | Lab Sample ID: 510-62781-1 MS

Matrix: Solid | Lab File ID: G3965.D

Analysis Method: 8015B | Date Collected: 03/03/2011 10:15

Extraction Method: 3541 | Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.49(g) | Date Analyzed: 03/07/2011 17:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<22		22	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	46		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3965.D		
Lims ID:	510-62781-J-1-B MS	Client ID:	SB0058:TP1:000020
Inject. Date:	07-Mar-2011 17:08:55	Dil. Factor:	1.0000
Sample Type:	MS		
Sample ID:	510-62781-j-1-b ms		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	14
Lims Batch ID:	76964	Lims Sample ID:	17
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 15:24:36	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 07-Mar-2011 17:41:32

Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
7 C35		0.000				1
9 n-Octane	3.105	3.101	0.004	44087	0	
1 n-Decane	5.404	5.417	-0.013	378286	0	
$ 2 Decafluorobiphenyl	6.320	6.327	-0.007	839115	9.19	
A 10 C8-C28	8.421	3.028 - 13.813		58969965	395.6	
A 4 C10-C28	9.587	5.361 - 13.813		51117624	373.7	
A 3 C8-C36	9.593	3.028 - 16.157		62370758	404.2	
6 n-Octacosane	13.714	13.696	0.018	1256	0	
8 n-Hexatriacontane		16.048				1

QC Flag Legend

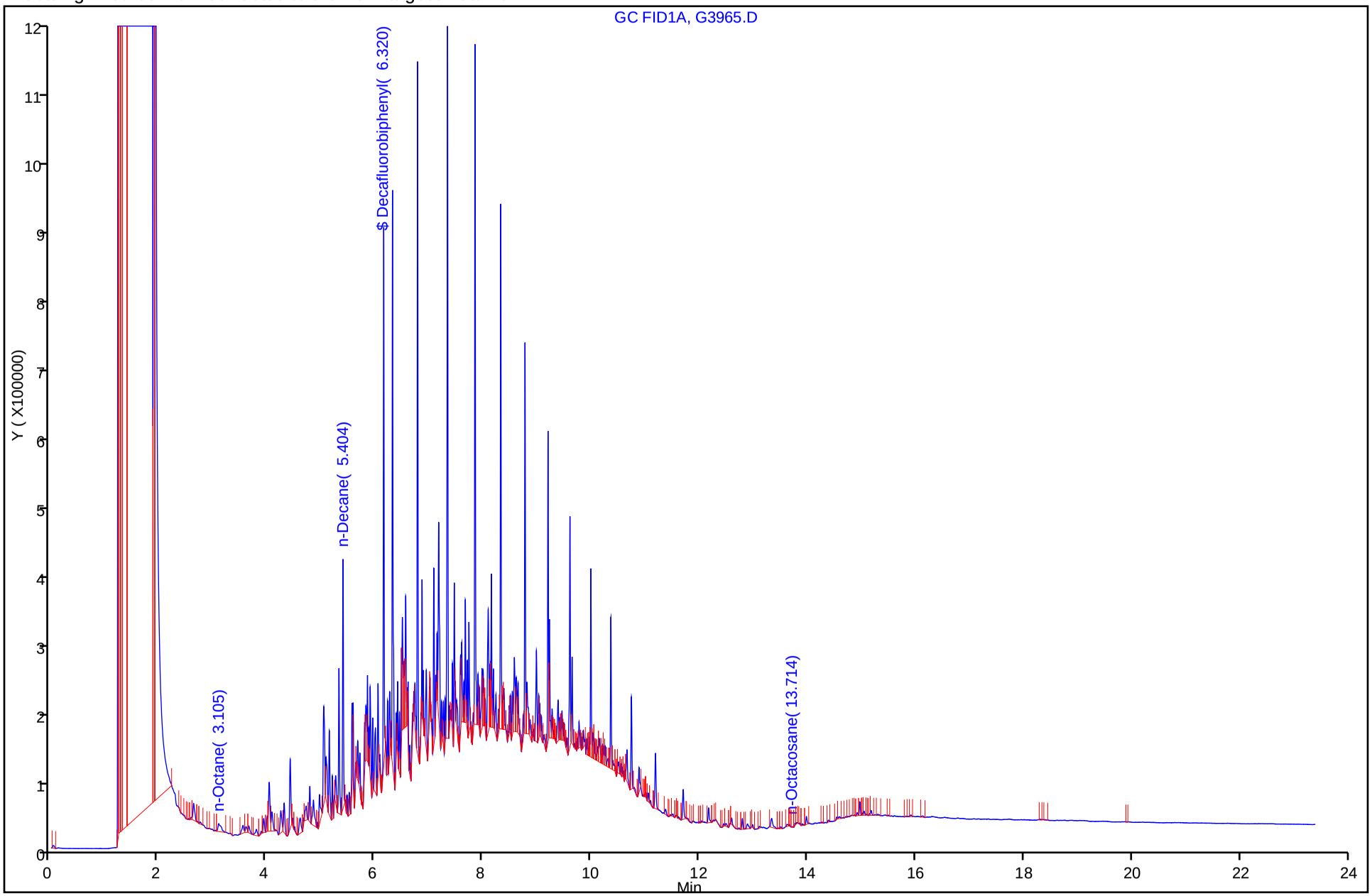
Processing Flags
1 - Missing Peaks

Report Date: 07-Mar-2011 17:41:32 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3965.D

Injection Date:	07-Mar-2011 17:08:55	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SGCC
Lims Batch ID:	76964	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.: 510-62781-1

SDG No.:

Client Sample ID: SB0058:TP1:000020 MSD | Lab Sample ID: 510-62781-1 MSD

Matrix: Solid | Lab File ID: G3966.D

Analysis Method: 8015B | Date Collected: 03/03/2011 10:15

Extraction Method: 3541 | Date Extracted: 03/07/2011 11:57

Sample wt/vol: 30.22(g) | Date Analyzed: 03/07/2011 17:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: 8015 (ERO/DRO) ID: 0.25(mm)

% Moisture: 11.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 76964 | Units: mg/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
STL00524	C8-C36	<22		22	3.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
434-90-2	Decafluorobiphenyl	43		10-122

TestAmerica Laboratories
Target Compound Quantitation Report

Data File:	\\valsvr08\ChromData\SGCC\20110307-4482.b\G3966.D		
Lims ID:	510-62781-J-1-C MSD	Client ID:	SB0058:TP1:000020
Inject. Date:	07-Mar-2011 17:41:05	Dil. Factor:	1.0000
Sample Type:	MSD		
Sample ID:	510-62781-j-1-c msd		
Misc. Info.:			
Operator:	CI	Instrument ID:	SGCC
Vol. Injected:	1.0000	ALS Bottle#:	15
Lims Batch ID:	76964	Lims Sample ID:	18
Detector:	GC FID1A		
Method:	\\valsvr08\ChromData\SGCC\20110307-4482.b\DRO_8015.m		
Last Update:	07-Mar-2011 15:24:36	Calib Date:	11-Dec-2010 22:11:36
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\valsvr08\ChromData\SGCC\20101211-4027.b\G3044.D		
Limit Group:	SGC - 8015 DRO_ERO Calibration		
Integrator:	Falcon		
Process Host:	VAL-SMS-LAB3		

First Level Reviewer: iversc Date: 07-Mar-2011 18:05:56

	Compound	RT	EXP RT	DLT RT	Response	On-Col Amt ug/ml	Flags
	7 C35		0.000				1
	9 n-Octane	3.088	3.101	-0.013	39131	0	
	1 n-Decane	5.400	5.417	-0.017	339583	0	
$	2 Decafluorobiphenyl	6.319	6.327	-0.008	788565	8.63	
A	10 C8-C28	8.421	3.028 -	13.813	56370552	378.2	
A	4 C10-C28	9.587	5.361 -	13.813	43938940	321.3	
A	3 C8-C36	9.593	3.028 -	16.157	60127170	389.6	
	6 n-Octacosane	13.715	13.696	0.019	1349	0	
	8 n-Hexatriacontane	16.030	16.048	-0.018	1268	0	

QC Flag Legend

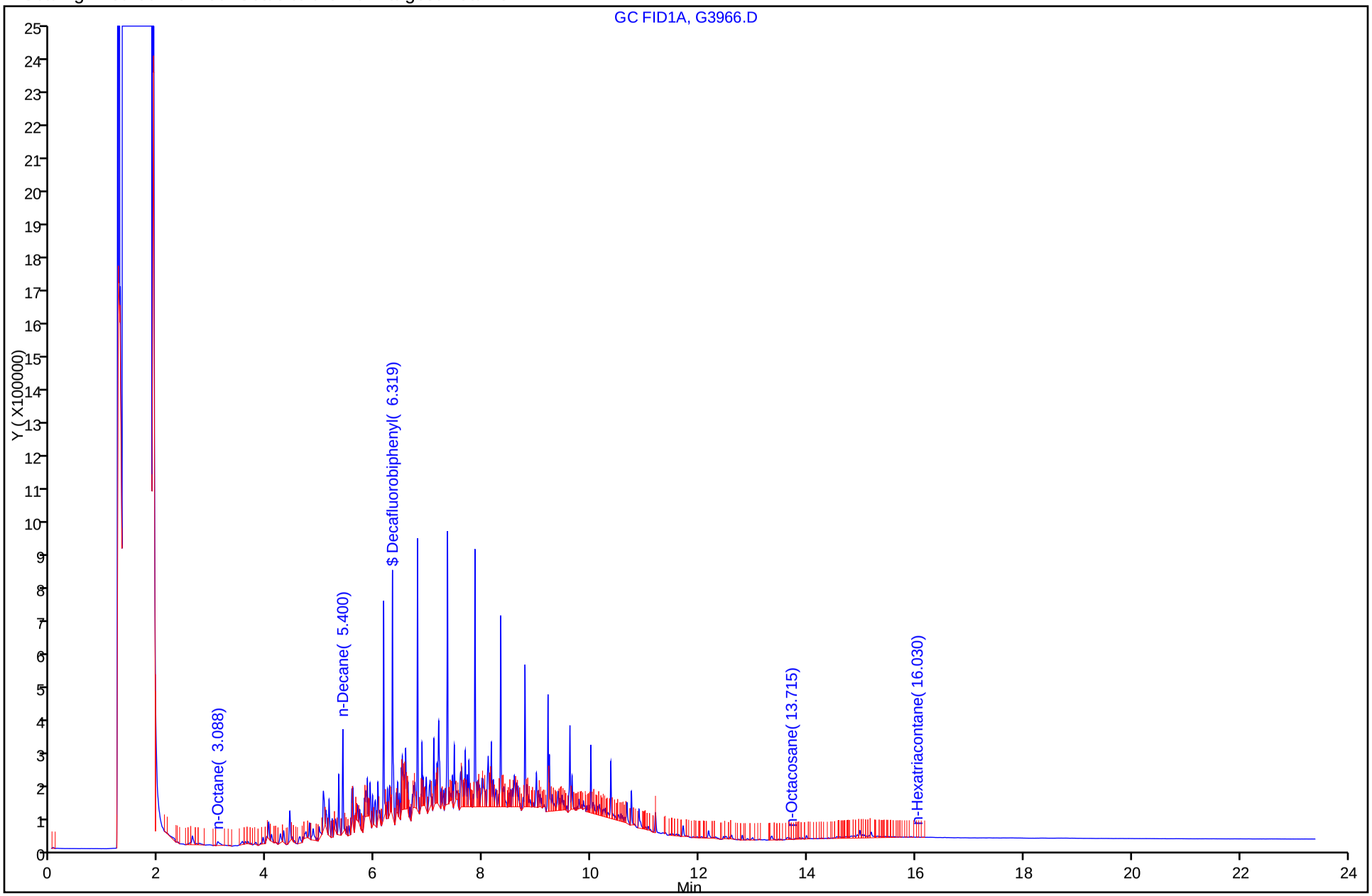
Processing Flags
1 - Missing Peaks

Report Date: 07-Mar-2011 18:05:56 Chrom Revision: 1.2 17-Feb-2011 18:05:56

Data File: \\valsvr08\ChromData\SGCC\20110307-4482.b\G3966.D

Injection Date:	07-Mar-2011 17:41:05	Limit Group:	SGC - 8015 DRO_ERO Calibration
Client ID:	SB0058:TP1:000020	Instrument ID:	SGCC
Lims Batch ID:	76964	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.: 510-62781-1

SDG No.:

Instrument ID: SGCC Start Date: 12/11/2010 17:20

Analysis Batch Number: 73180 End Date: 12/13/2010 00:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/11/2010 17:20	1		8015 (ERO/DRO) 0.25(mm)
STD 510-73180/3 IC		12/11/2010 18:24	1	G3037.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/4 IC		12/11/2010 18:56	1	G3038.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/5 IC		12/11/2010 19:28	1	G3039.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/6 IC		12/11/2010 20:01	1	G3040.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/7 IC		12/11/2010 20:33	1	G3041.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/8 IC		12/11/2010 21:06	1	G3042.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/9 IC		12/11/2010 21:38	1	G3043.D	8015 (ERO/DRO) 0.25(mm)
STD 510-73180/10 IC		12/11/2010 22:11	1	G3044.D	8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/12		12/11/2010 23:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 00:21	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 00:53	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 01:25	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 01:58	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 02:30	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 03:02	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 03:34	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 04:07	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 04:39	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 05:11	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/25		12/12/2010 06:15	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/26		12/12/2010 06:47	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 07:20	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 07:52	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 08:24	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 08:57	5		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 09:29	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 10:01	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 10:34	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 11:06	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 11:38	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 12:11	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/38		12/12/2010 13:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 14:21	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 14:53	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 15:25	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 15:58	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 16:30	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 17:03	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 17:35	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 18:07	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 18:39	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 19:11	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/51		12/12/2010 20:16	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 21:20	1		8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SGCC Start Date: 12/11/2010 17:20

Analysis Batch Number: 73180 End Date: 12/13/2010 00:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		12/12/2010 21:53	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		12/12/2010 22:25	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-73180/58		12/13/2010 00:01	1		8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS ANALYSIS RUN LOG

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: SGCC Start Date: 03/07/2011 08:39

Analysis Batch Number: 76964 End Date: 03/07/2011 20:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/07/2011 08:39	1		8015 (ERO/DRO) 0.25(mm)
CCV 510-76964/3		03/07/2011 09:42	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		03/07/2011 11:18	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		03/07/2011 11:49	1		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		03/07/2011 12:21	50		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		03/07/2011 12:53	20		8015 (ERO/DRO) 0.25(mm)
ZZZZZ		03/07/2011 13:24	20		8015 (ERO/DRO) 0.25(mm)
CCV 510-76964/12		03/07/2011 14:28	1	G3960.D	8015 (ERO/DRO) 0.25(mm)
MB 510-76980/1-A		03/07/2011 15:32	1	G3962.D	8015 (ERO/DRO) 0.25(mm)
LCS 510-76980/2-A		03/07/2011 16:04	1	G3963.D	8015 (ERO/DRO) 0.25(mm)
510-62781-1	SB0058:TP1:000020	03/07/2011 16:36	1	G3964.D	8015 (ERO/DRO) 0.25(mm)
510-62781-1 MS	SB0058:TP1:000020 MS	03/07/2011 17:08	1	G3965.D	8015 (ERO/DRO) 0.25(mm)
510-62781-1 MSD	SB0058:TP1:000020 MSD	03/07/2011 17:41	1	G3966.D	8015 (ERO/DRO) 0.25(mm)
510-62781-2	SB0058:TP1:040050	03/07/2011 18:13	1	G3967.D	8015 (ERO/DRO) 0.25(mm)
510-62781-3	SB0058:TP2:000020	03/07/2011 18:45	1	G3968.D	8015 (ERO/DRO) 0.25(mm)
510-62781-4	SB0058:TP2:040050	03/07/2011 19:17	1	G3969.D	8015 (ERO/DRO) 0.25(mm)
510-62781-5	SB0058: FIELD DUPLICATE	03/07/2011 19:48	1	G3970.D	8015 (ERO/DRO) 0.25(mm)
CCV 510-76964/24		03/07/2011 20:52	1	G3972.D	8015 (ERO/DRO) 0.25(mm)

DIESEL RANGE ORGANICS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 76980 Batch Start Date: 03/07/11 11:57 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 00022		
MB 510-76980/1		3541, 8015B		30 g	1 mL		50 uL		
LCS 510-76980/2		3541, 8015B		30 g	1 mL	50 uL	50 uL		
510-62781-J-1	SB0058:TP1:000020	3541, 8015B	T	30.02 g	1 mL		50 uL		
510-62781-J-1 MS	SB0058:TP1:000020	3541, 8015B	T	30.49 g	1 mL	50 uL	50 uL		
510-62781-J-1 MSD	SB0058:TP1:000020	3541, 8015B	T	30.22 g	1 mL	50 uL	50 uL		
510-62781-J-2	SB0058:TP1:040050	3541, 8015B	T	30.73 g	1 mL		50 uL		
510-62781-J-3	SB0058:TP2:000020	3541, 8015B	T	30.09 g	1 mL		50 uL		
510-62781-J-4	SB0058:TP2:040050	3541, 8015B	T	30.55 g	1 mL		50 uL		
510-62781-J-5	SB0058: FIELD DUPLICATE	3541, 8015B	T	30.17 g	1 mL		50 uL		

Batch Notes	
Balance ID	37912
Blank Soil Lot Number	opsand_00004
DCM/CS2 ID	dcm_00052
Vendor lot number	dcm_00053
Na2SO4 Lot Number	opna2so4_00019
Person's name who did the prep	Sarah Page
Solvent	dcm
First Start time	1200

Basis	Basis Description
T	Total/NA

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG No.:

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
SB0058:TP1:000020	510-62781-1
SB0058:TP1:040050	510-62781-2
SB0058:TP2:000020	510-62781-3
SB0058:TP2:040050	510-62781-4
SB0058: FIELD DUPLICATE	510-62781-5

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB0058:TP1:000020 Lab Sample ID: 510-62781-1

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG ID.:

Matrix: Solid Date Sampled: 03/03/2011 10:15

Reporting Basis: DRY Date Received: 03/03/2011 16:10

% Solids: 88.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<17	17	7.0	mg/Kg			100	6020
7440-38-2	Arsenic	4.4	0.56	0.12	mg/Kg			5	6020
7440-39-3	Barium	120	0.14	0.067	mg/Kg			5	6020
7440-43-9	Cadmium	<0.28	0.28	0.046	mg/Kg			5	6020
7440-47-3	Chromium	9.1	0.42	0.21	mg/Kg		^	5	6020
7440-50-8	Copper	23	1.1	0.28	mg/Kg			10	6020
7439-92-1	Lead	140	0.28	0.14	mg/Kg			10	6020
7440-02-0	Nickel	14	0.28	0.11	mg/Kg			5	6020
7782-49-2	Selenium	0.50	0.28	0.10	mg/Kg			5	6020
7440-22-4	Silver	<1.1	1.1	0.096	mg/Kg			10	6020
7440-28-0	Thallium	<0.56	0.56	0.15	mg/Kg			10	6020
7439-97-6	Mercury	0.086	0.022	0.0062	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB0058:TP1:040050 Lab Sample ID: 510-62781-2

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG ID.:

Matrix: Solid Date Sampled: 03/03/2011 10:20

Reporting Basis: DRY Date Received: 03/03/2011 16:10

% Solids: 89.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<16	16	6.8	mg/Kg			100	6020
7440-38-2	Arsenic	2.1	0.55	0.12	mg/Kg			5	6020
7440-39-3	Barium	40	0.14	0.066	mg/Kg			5	6020
7440-43-9	Cadmium	<0.27	0.27	0.045	mg/Kg			5	6020
7440-47-3	Chromium	9.8	0.82	0.41	mg/Kg			10	6020
7440-50-8	Copper	4.7	1.1	0.27	mg/Kg			10	6020
7439-92-1	Lead	7.2	0.27	0.14	mg/Kg			10	6020
7440-02-0	Nickel	12	0.55	0.21	mg/Kg			10	6020
7782-49-2	Selenium	<0.27	0.27	0.10	mg/Kg			5	6020
7440-22-4	Silver	<1.1	1.1	0.094	mg/Kg			10	6020
7440-28-0	Thallium	<0.55	0.55	0.15	mg/Kg			10	6020
7439-97-6	Mercury	<0.022	0.022	0.0062	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB0058:TP2:000020 Lab Sample ID: 510-62781-3

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG ID.:

Matrix: Solid Date Sampled: 03/03/2011 10:40

Reporting Basis: DRY Date Received: 03/03/2011 16:10

% Solids: 86.9

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<17	17	7.0	mg/Kg			100	6020
7440-38-2	Arsenic	3.6	0.57	0.12	mg/Kg			5	6020
7440-39-3	Barium	64	0.14	0.068	mg/Kg			5	6020
7440-43-9	Cadmium	0.38	0.28	0.046	mg/Kg			5	6020
7440-47-3	Chromium	8.0	0.42	0.21	mg/Kg		^	5	6020
7440-50-8	Copper	13	1.1	0.28	mg/Kg			10	6020
7439-92-1	Lead	50	0.28	0.14	mg/Kg			10	6020
7440-02-0	Nickel	14	0.57	0.22	mg/Kg			10	6020
7782-49-2	Selenium	<0.28	0.28	0.10	mg/Kg			5	6020
7440-22-4	Silver	<1.1	1.1	0.097	mg/Kg			10	6020
7440-28-0	Thallium	<0.57	0.57	0.15	mg/Kg			10	6020
7439-97-6	Mercury	0.067	0.022	0.0062	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB0058:TP2:040050 Lab Sample ID: 510-62781-4

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG ID.:

Matrix: Solid Date Sampled: 03/03/2011 10:50

Reporting Basis: DRY Date Received: 03/03/2011 16:10

% Solids: 91.2

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<16	16	6.8	mg/Kg			100	6020
7440-38-2	Arsenic	2.3	0.54	0.12	mg/Kg			5	6020
7440-39-3	Barium	28	0.14	0.065	mg/Kg			5	6020
7440-43-9	Cadmium	<0.27	0.27	0.044	mg/Kg			5	6020
7440-47-3	Chromium	8.5	0.41	0.20	mg/Kg		^	5	6020
7440-50-8	Copper	4.4	1.1	0.27	mg/Kg			10	6020
7439-92-1	Lead	6.1	0.27	0.13	mg/Kg			10	6020
7440-02-0	Nickel	13	0.54	0.21	mg/Kg			10	6020
7782-49-2	Selenium	<0.27	0.27	0.099	mg/Kg			5	6020
7440-22-4	Silver	<1.1	1.1	0.093	mg/Kg			10	6020
7440-28-0	Thallium	<0.54	0.54	0.15	mg/Kg			10	6020
7439-97-6	Mercury	<0.021	0.021	0.0059	mg/Kg			1	7471A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB0058: FIELD DUPLICATE
Lab Sample ID: 510-62781-5
Lab Name: TestAmerica Valparaiso
Job No.: 510-62781-1
SDG ID.:
Matrix: Solid
Date Sampled: 03/03/2011 10:30
Reporting Basis: DRY
Date Received: 03/03/2011 16:10
% Solids: 91.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-36-0	Antimony	<16	16	6.7	mg/Kg			100	6020
7440-38-2	Arsenic	2.0	0.54	0.12	mg/Kg			5	6020
7440-39-3	Barium	25	0.14	0.065	mg/Kg			5	6020
7440-43-9	Cadmium	<0.27	0.27	0.044	mg/Kg			5	6020
7440-47-3	Chromium	8.8	0.82	0.40	mg/Kg			10	6020
7440-50-8	Copper	3.8	1.1	0.27	mg/Kg			10	6020
7439-92-1	Lead	5.0	0.27	0.13	mg/Kg			10	6020
7440-02-0	Nickel	10	0.54	0.21	mg/Kg			10	6020
7782-49-2	Selenium	<0.27	0.27	0.099	mg/Kg			5	6020
7440-22-4	Silver	<1.1	1.1	0.093	mg/Kg			10	6020
7440-28-0	Thallium	<0.54	0.54	0.15	mg/Kg			10	6020
7439-97-6	Mercury	<0.021	0.021	0.0061	mg/Kg			1	7471A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00225 Concentration Units: ug/L

CCV Source: MEicpmsicv_00225

Analyte	ICV 510-77092/3 03/09/2011 09:22				CCV 510-77092/19 03/09/2011 10:28				CCV 510-77092/25 03/09/2011 10:55			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	194		200	97	204		200	102	205		200	102
Barium	203		200	102	216		200	108	217		200	108
Cadmium	206		200	103	219		200	110	219		200	110
Chromium	195		200	97	207		200	104	209		200	105
Nickel	208		200	104	220		200	110	225		200	113
Selenium	187		200	93	197		200	99	199		200	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00225 Concentration Units: ug/L

CCV Source: MEicpmsicv_00225

Analyte	ICV 510-77288/5 03/11/2011 21:43				CCV 510-77288/21 03/11/2011 22:51				CCV 510-77288/27 03/11/2011 23:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Thallium	202		200	101	202		200	101	202		200	101
Barium	195		200	98	200		200	100	202		200	101
Copper	198		200	99	202		200	101	205		200	102
Lead	194		200	97	193		200	97	195		200	98
Silver	186		200	93	185		200	92	186		200	93

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00225 Concentration Units: ug/L

CCV Source: MEicpmsicv_00225

Analyte	ICV 510-77554/4 03/17/2011 10:22				CCV 510-77554/20 03/17/2011 11:12				CCV 510-77554/25 03/17/2011 11:28			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Copper	199		200	99	205		200	103	202		200	101
Lead	199		200	100	202		200	101	200		200	100
Silver	195		200	98	195		200	97	194		200	97
Barium	200		200	100	202		200	101	202		200	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00225 Concentration Units: ug/L

CCV Source: MEicpmsicv_00225

Analyte	CCV 510-77554/28 03/17/2011 15:10											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Copper	195		200	98								
Lead	201		200	100								
Silver	194		200	97								
Barium	198		200	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00225 Concentration Units: ug/L

CCV Source: MEicpmsicv_00225

Analyte	ICV 510-77574/5 03/17/2011 16:55				CCV 510-77574/18 03/17/2011 17:35				CCV 510-77574/24 03/17/2011 17:54			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	203		200	102	209		200	105	213		200	107
Copper	205		200	102	210		200	105	213		200	106
Lead	200		200	100	204		200	102	205		200	102
Silver	198		200	99	201		200	100	202		200	101
Antimony	182		200	91	160		200	80	160		200	80

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00226 Concentration Units: ug/L

CCV Source: MEicpmsicv_00226

Analyte	ICV 510-77686/4 03/18/2011 18:53				CCV 510-77686/20 03/18/2011 20:04				CCV 510-77686/23 03/18/2011 20:17			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Chromium	188		200	94	193		200	96	191		200	95
Nickel	202		200	101	205		200	102	201		200	100
Thallium	205		200	103	205		200	102	203		200	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00227 Concentration Units: ug/L

CCV Source: MEicpmsicv_00227

Analyte	ICV 510-77824/4 03/22/2011 15:55				CCV 510-77824/18 03/22/2011 16:47				CCV 510-77824/30 03/22/2011 17:18			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	189		200	95	182		200	91	182		200	91
Barium	203		200	102	204		200	102	206		200	103
Silver	204		200	102	204		200	102	204		200	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEicpmsicv_00227 Concentration Units: ug/L

CCV Source: MEicpmsicv_00227

Analyte	CCV 510-77824/36 03/22/2011 17:34											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	185		200	93								
Barium	207		200	103								
Silver	206		200	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEhgcal_00071 Concentration Units: mg/L

CCV Source: MEhgicv_00073

Analyte	ICV 510-76991/22 03/07/2011 13:18				CCV 510-76991/23 03/07/2011 13:20				CCV 510-76991/35 03/07/2011 13:48			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00540		0.00556	97	0.00495		0.00500	99	0.00489		0.00500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICV Source: MEhgcal_00071 Concentration Units: mg/L

CCV Source: MEhgicv_00073

Analyte	CCV 510-76991/47 03/07/2011 14:15				CCV 510-76991/54 03/07/2011 14:31							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00484		0.00500	97	0.00469		0.00500	94				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77092/4 03/09/2011 09:29		CCB 510-77092/20 03/09/2011 10:36		CCB 510-77092/26 03/09/2011 10:59			
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	<2.0		<2.0		<2.0			
Barium	0.50	<0.50		<0.50		<0.50			
Cadmium	1.0	<1.0		<1.0		<1.0			
Chromium	1.5	<1.5		2.19		<1.5			
Nickel	1.0	<1.0		<1.0		<1.0			
Selenium	1.0	<1.0		<1.0		<1.0			
Antimony	3.0	<3.0							
Copper	2.0	<2.0							
Lead	0.50	<0.50							
Silver	4.0	<4.0							
Thallium	1.0	<1.0							

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77288/6 03/11/2011 21:47		CCB 510-77288/22 03/11/2011 22:55		CCB 510-77288/28 03/11/2011 23:21			
		Found	C	Found	C	Found	C	Found	C
Thallium	1.0	<1.0		<1.0		<1.0			
Barium	0.50	<0.50		<0.50		<0.50			
Copper	2.0	<2.0		<2.0		<2.0			
Lead	0.50	<0.50		<0.50		<0.50			
Silver	4.0	<4.0		<4.0		<4.0			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77554/5 03/17/2011 10:26		CCB 510-77554/21 03/17/2011 11:15		CCB 510-77554/26 03/17/2011 11:31		CCB 510-77554/29 03/17/2011 15:13	
		Found	C	Found	C	Found	C	Found	C
Copper	2.0	<2.0		<2.0		<2.0		<2.0	
Lead	0.50	<0.50		<0.50		<0.50		<0.50	
Silver	4.0	<4.0		<4.0		<4.0		<4.0	
Barium	0.50	<0.50		<0.50		<0.50		<0.50	

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77574/6 03/17/2011 16:59		CCB 510-77574/19 03/17/2011 17:38		CCB 510-77574/25 03/17/2011 17:57			
		Found	C	Found	C	Found	C	Found	C
Barium	0.50	<0.50		<0.50		<0.50			
Copper	2.0	<2.0		<2.0		<2.0			
Lead	0.50	<0.50		<0.50		<0.50			
Silver	4.0	<4.0		<4.0		<4.0			
Antimony	3.0	3.84		<3.0		<3.0			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77686/5 03/18/2011 18:57		CCB 510-77686/21 03/18/2011 20:08		CCB 510-77686/24 03/18/2011 20:22			
		Found	C	Found	C	Found	C	Found	C
Chromium	1.5	<1.5		<1.5		<1.5			
Nickel	1.0	<1.0		<1.0		<1.0			
Thallium	1.0	<1.0		<1.0		<1.0			

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 510-77824/5 03/22/2011 16:00		CCB 510-77824/19 03/22/2011 16:50		CCB 510-77824/31 03/22/2011 17:21		CCB 510-77824/37 03/22/2011 17:36	
		Found	C	Found	C	Found	C	Found	C
Antimony	3.0	<3.0		6.00		4.13		4.29	
Barium	0.50	<0.50		<0.50		<0.50		<0.50	
Silver	4.0	<4.0		<4.0		<4.0		<4.0	

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A

Instrument Code: MICPMSA Batch No.: 77092

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	<0.10			6020
7440-39-3	Barium	<0.025			6020
7440-43-9	Cadmium	<0.050			6020
7440-47-3	Chromium	<0.075			6020
7440-02-0	Nickel	<0.050			6020
7782-49-2	Selenium	<0.050			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A ^10

Instrument Code: MICPMSA Batch No.: 77288

CAS No.	Analyte	Concentration	C	Q	Method
7440-28-0	Thallium	<0.50			6020

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A ^10

Instrument Code: MICPMSA Batch No.: 77554

CAS No.	Analyte	Concentration	C	Q	Method
7440-50-8	Copper	<1.0			6020
7439-92-1	Lead	<0.25			6020
7440-22-4	Silver	<1.0			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A ^10

Instrument Code: MICPMSA Batch No.: 77574

CAS No.	Analyte	Concentration	C	Q	Method
7440-50-8	Copper	<1.0			6020
7439-92-1	Lead	<0.25			6020
7440-22-4	Silver	<1.0			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A ^10

Instrument Code: MICPMSA Batch No.: 77686

CAS No.	Analyte	Concentration	C	Q	Method
7440-47-3	Chromium	<0.75			6020
7440-02-0	Nickel	<0.50			6020
7440-28-0	Thallium	<0.50			6020

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 510-76967/1-A ^100

Instrument Code: MICPMSA Batch No.: 77824

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	<15			6020

FORM III-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77092/6 Instrument ID: MICPMSA

Lab File ID: 030811f.csv ICS Source: MEmsisab_00065

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**100**	**90.6**	**91**
Barium		**0.185**	
Cadmium	**100**	**98.0**	**98**
Chromium	**200**	**190**	**95**
Nickel	**200**	**182**	**91**
Selenium	**100**	**89.7**	**90**

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77288/8 Instrument ID: MICPMSA

Lab File ID: 031111d.csv ICS Source: MEmsisab_00065

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Thallium		**0.0410**	
Barium		*0.238*	
Copper	*200*	*167*	*83*
Lead		*0.0970*	
Silver	*50.0*	*41.4*	*83*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77554/7 Instrument ID: MICPMSA

Lab File ID: 031711bb.csv ICS Source: MEmsisab_00065

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Copper	**200**	**170**	**85**
Lead		**0.0140**	
Silver	**50.0**	**45.3**	**91**
Barium		*0.0220*	
Vanadium	*200*	*192*	*96*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77574/8 Instrument ID: MICPMSA

Lab File ID: 031711e.csv ICS Source: MEmsisab_00065

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium		**0.171**	
Copper	**200**	**170**	**85**
Lead		**0.0690**	
Silver	**50.0**	**44.4**	**89**
Antimony		*-2.25*	
Vanadium	*200*	*187*	*94*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSA 510-77686/6 Instrument ID: MICPMSA

Lab File ID: 031811f.csv ICS Source: MEmsisa_00066

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Chromium		**1.64**	
Nickel		**1.23**	
Thallium		**-0.297**	
Aluminum	*50000*	*48160*	*96*
Antimony		*9.15*	
Arsenic		*-0.616*	
Barium		*-0.0130*	
Beryllium		*-0.0830*	
Cadmium		*-0.0240*	
Calcium		*137200*	
Calcium		*146000*	
Cobalt		*0.500*	
Copper		*0.389*	
Iron	*125000*	*103700*	*83*
Lead		*-0.262*	
Magnesium	*50000*	*48960*	*98*
Manganese		*0.0120*	
Molybdenum	*1000*	*993*	*99*
Potassium	*50000*	*51270*	*103*
Selenium		*-0.287*	
Silver		*0.0000*	
Sodium	*125000*	*117800*	*94*
Strontium		*558*	
Tin		*0.631*	
Titanium	*1000*	*998*	*100*
Vanadium		*0.474*	
Zinc		*-1.64*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77686/7 Instrument ID: MICPMSA

Lab File ID: 031811f.csv ICS Source: MEmsisab_00066

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Chromium	**200**	**181**	**91**
Nickel	**200**	**176**	**88**
Thallium		**-0.314**	
Aluminum	*50000*	*48040*	*96*
Antimony		*3.36*	
Arsenic	*100*	*86.8*	*87*
Barium		*0.132*	
Beryllium		*-0.108*	
Cadmium	*100*	*89.2*	*89*
Calcium		*136100*	
Calcium		*145000*	
Cobalt	*200*	*173*	*87*
Copper	*200*	*170*	*85*
Iron	*125000*	*102100*	*82*
Lead		*-0.268*	
Magnesium	*50000*	*48770*	*98*
Manganese	*200*	*175*	*87*
Molybdenum	*1000*	*999*	*100*
Potassium	*50000*	*51210*	*102*
Selenium	*100*	*82.7*	*83*
Silver	*50.0*	*0.0000*	*0*
Sodium	*125000*	*110400*	*88*
Strontium		*560*	
Tin		*0.381*	
Titanium	*1000*	*987*	*99*
Vanadium	*200*	*183*	*91*
Zinc	*100*	*77.8*	*78*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Lab Sample ID: ICSAB 510-77824/7 Instrument ID: MICPMSA

Lab File ID: 032211c.csv ICS Source: MEmsisab_00066

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Antimony		**0.863**	
Barium		*0.219*	
Silver	*50.0*	*48.4*	*97*
Zinc	*100*	*91.4*	*91*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: SB0058:TP1:000020 MS
Lab ID: 510-62781-1 MS
Lab Name: TestAmerica Valparaiso
Job No.: 510-62781-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 88.3

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	32.6		<17		55.4	59	75-125	F	6020
Arsenic	51.1		4.4		55.4	84	75-125		6020
Barium	206		120		111	80	75-125		6020
Cadmium	54.3		<0.28		55.4	98	75-125		6020
Chromium	55.3		9.1		55.4	84	75-125		6020
Copper	65.5		23		55.4	76	75-125		6020
Lead	75.2		140		55.4	-111	75-125	F	6020
Nickel	57.6		14		55.4	80	75-125		6020
Selenium	46.0		0.50		55.4	82	75-125		6020
Silver	114		<1.1		111	103	75-125		6020
Thallium	55.1		<0.56		55.4	99	75-125		6020
Mercury	0.690		0.086		0.545	111	75-125		7471A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: SB0058:TP1:000020 MSD
Lab ID: 510-62781-1 MSD
Lab Name: TestAmerica Valparaiso
Job No.: 510-62781-1
SDG No.:
Matrix: Solid
Concentration Units: mg/Kg
% Solids: 88.3

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Antimony	35.8		55.7	64	75-125	9	20	F	6020
Arsenic	52.7		55.7	87	75-125	3	20		6020
Barium	206		111	80	75-125	0	20		6020
Cadmium	55.7		55.7	100	75-125	2	20		6020
Chromium	56.3		55.7	85	75-125	2	20		6020
Copper	64.7		55.7	74	75-125	1	20	F	6020
Lead	78.6		55.7	-104	75-125	5	20	F	6020
Nickel	59.4		55.7	82	75-125	3	20		6020
Selenium	47.2		55.7	84	75-125	2	20		6020
Silver	114		111	102	75-125	0	20		6020
Thallium	56.4		55.7	101	75-125	2	20		6020
Mercury	0.704		0.565	109	75-125	2	25		7471A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: SB0058:TP1:000020 PDS Lab ID: 510-62781-1 PDS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Antimony	121		<17		112	108	75-125		6020
Barium	146		130		11.2	NC	75-125		6020
Copper	34.9		23		11.2	104	75-125		6020
Lead	150		140		11.2	NC	75-125		6020
Silver	11.0		<1.1		11.2	97	75-125		6020
Thallium	11.0		<0.56		11.2	95	75-125		6020

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^5

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	109	96.7		89	80	120		6020
Barium	325	304		94	79	121		6020
Cadmium	110	110		100	82	118		6020
Chromium	93.4	74.6		80	80	120		6020
Nickel	109	99.6		91	80	120		6020
Selenium	207	178		86	79	122		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^10

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Thallium	171	191		112	81	119		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^10

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Copper	74.7	70.3		94	80	120		6020
Lead	152	157		104	80	120		6020
Silver	51.9	48.0		92	66	134		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^10

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Copper	74.7	71.1		95	80	120		6020
Lead	152	153		101	80	120		6020
Silver	51.9	48.4		93	66	134		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^10

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Chromium	93.4	83.6		89	80	120		6020
Nickel	109	106		97	80	120		6020
Thallium	171	175		102	81	119		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76967/2-A ^100

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	121	77.7		64	0	200		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 510-76834/10-A ^10

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

Sample Matrix: Solid LCS Source: MELCSSOIL_00015

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	16.3	20.6		126	67	133		7471A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 510-62781-1

SDG No:

Lab Name: TestAmerica Valparaiso Job No: 510-62781-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	<17		<84		NC		6020
Barium	130		135		1.8		6020
Copper	23		24.2		3.8		6020
Lead	140		132		3.3		6020
Silver	<1.1		<5.6		NC		6020
Thallium	0.299		<2.8		NC		6020

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG Number:

Matrix: Solid Instrument ID: MICPMSA

Analysis Method: 6020 MDL Date: 02/26/2009 13:54

Prep Method: 3050B

Leach Method:

Analyte	Wavelength/ Mass	RL (ug/Kg)	MDL (ug/Kg)
Antimony	121	150	62
Arsenic	75	100	21.9
Barium	137	25	12
Cadmium	111	50	8.1
Chromium	52	75	37.1
Copper	65	100	24.6
Lead	208	25	12.3
Nickel	60	50	19
Selenium	78	50	18.2
Silver	107	100	8.55
Thallium	203	50	13.6

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG Number:

Matrix: Solid Instrument ID: MICPMSA

Analysis Method: 6020 XMDL Date: 02/26/2009 13:39

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Antimony	121	3	1.24
Arsenic	75	2	0.437
Barium	137	0.5	0.239
Cadmium	111	1	0.162
Chromium	52	1.5	0.741
Copper	65	2	0.31
Lead	208	0.5	0.246
Nickel	60	1	0.38
Selenium	78	1	0.363
Silver	107	4	0.171
Thallium	203	1	0.272

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG Number:

Matrix: Solid Instrument ID: MHGC

Analysis Method: 7471A MDL Date: 01/26/2009 09:31

Prep Method: 7471A

Leach Method:

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.02	0.00571

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG Number:

Matrix: Solid Instrument ID: MHGC

Analysis Method: 7471A XMDL Date: 01/26/2009 09:31

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.0002	0.0000571

11-IN
ICP-AES AND ICP-MS LINEAR RANGES
METALS

Lab Name: TestAmerica Valparaiso Job No: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Date: 05/03/2010 09:24

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony		1000	6020
Arsenic		100000	6020
Barium		100000	6020
Cadmium		50000	6020
Chromium		100000	6020
Copper		100000	6020
Lead		100000	6020
Nickel		100000	6020
Selenium		100000	6020
Silver		10000	6020
Thallium		100000	6020

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Preparation Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 510-76967/1-A	03/07/2011 09:45	76967	1.0		50
MB 510-76967/1-A ^10	03/07/2011 09:45	76967	1.0		50
MB 510-76967/1-A ^100	03/07/2011 09:45	76967	1.0		50
LCS 510-76967/2-A ^10	03/07/2011 09:45	76967	1.0075		50
LCS 510-76967/2-A ^100	03/07/2011 09:45	76967	1.0075		50
LCS 510-76967/2-A ^5	03/07/2011 09:45	76967	1.0075		50
510-62781-1	03/07/2011 09:45	76967	1.0070		50
510-62781-1 MS	03/07/2011 09:45	76967	1.0232		50
510-62781-1 MSD	03/07/2011 09:45	76967	1.0176		50
510-62781-2	03/07/2011 09:45	76967	1.0144		50
510-62781-3	03/07/2011 09:45	76967	1.0167		50
510-62781-4	03/07/2011 09:45	76967	1.0071		50
510-62781-5	03/07/2011 09:45	76967	1.0041		50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Preparation Method: 7471A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
LCS 510-76834/10-A ^10	03/03/2011 15:18	76834	0.1080		50
510-62781-1	03/04/2011 13:30	76834	0.5234		50
510-62781-1 MS	03/04/2011 13:30	76834	0.5197		50
510-62781-1 MSD	03/04/2011 13:30	76834	0.5010		50
510-62781-2	03/04/2011 13:30	76834	0.5178		50
510-62781-3	03/04/2011 13:30	76834	0.5262		50
510-62781-4	03/04/2011 13:30	76834	0.5265		50
510-62781-5	03/04/2011 13:30	76834	0.5141		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/09/2011 09:14 End Date: 03/09/2011 10:59

Lab Sample ID	D / F	Type	Time	Analytes																			
				As	Ba	Cd	Cr	Ni	Se														
ZZZZZZ			09:14																				
ZZZZZZ			09:18																				
ICV 510-77092/3	1		09:22	X	X	X	X	X	X														
ICB 510-77092/4	1		09:29	X	X	X	X	X	X														
ICSA 510-77092/5	1		09:33	X	X	X	X	X	X														
ICSAB 510-77092/6	1		09:37	X	X	X	X	X	X														
RINSE 510-77092/7			09:43																				
RINSE 510-77092/8			09:46																				
MB 510-76967/1-A	1	T	09:50	X	X	X	X	X	X														
LCS 510-76967/2-A ^5	5	T	09:54	X	X	X	X	X	X														
ZZZZZZ			09:58																				
ZZZZZZ			10:02																				
ZZZZZZ			10:05																				
ZZZZZZ			10:09																				
ZZZZZZ			10:13																				
510-62781-1	5	T	10:17	X	X	X	X	X	X														
510-62781-1 MS	5	T	10:21	X	X	X	X	X	X														
510-62781-1 MSD	5	T	10:24	X	X	X	X	X	X														
CCV 510-77092/19	1		10:28	X	X	X	X	X	X														
CCB 510-77092/20	1		10:36	X	X	X	X	X	X														
510-62781-2	5	T	10:40	X	X	X			X														
510-62781-3	5	T	10:43	X	X	X	X		X														
510-62781-4	5	T	10:47	X	X	X	X		X														
510-62781-5	5	T	10:51	X	X	X			X														
CCV 510-77092/25	1		10:55	X	X	X	X	X	X														
CCB 510-77092/26	1		10:59	X	X	X	X	X	X														

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/11/2011 21:26 End Date: 03/11/2011 23:21

Lab Sample ID	D / F	Type	Time	Analytes																			
				Tl																			
ZZZZZZ			21:26																				
ZZZZZZ			21:30																				
ZZZZZZ			21:35																				
ZZZZZZ			21:39																				
ICV 510-77288/5	1		21:43	X																			
ICB 510-77288/6	1		21:47	X																			
ICSA 510-77288/7	1		21:52	X																			
ICSAB 510-77288/8	1		21:56	X																			
RINSE 510-77288/9			22:00																				
RINSE 510-77288/10			22:04																				
MB 510-76967/1-A ^10	10	T	22:08	X																			
LCS 510-76967/2-A ^10	10	T	22:13	X																			
ZZZZZZ			22:17																				
ZZZZZZ			22:21																				
ZZZZZZ			22:25																				
ZZZZZZ			22:30																				
ZZZZZZ			22:34																				
ZZZZZZ			22:38																				
ZZZZZZ			22:43																				
ZZZZZZ			22:47																				
CCV 510-77288/21	1		22:51	X																			
CCB 510-77288/22	1		22:55	X																			
510-62781-2	10	T	23:00	X																			
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:12																				
CCV 510-77288/27	1		23:17	X																			
CCB 510-77288/28	1		23:21	X																			

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/17/2011 10:06 End Date: 03/17/2011 15:13

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Cu	Pb																		
ZZZZZZ			10:06																					
ZZZZZZ			10:09																					
ZZZZZZ			10:12																					
ICV 510-77554/4	1		10:22	X	X	X																		
ICB 510-77554/5	1		10:26	X	X	X																		
ICSA 510-77554/6	1		10:29	X	X	X																		
ICSAB 510-77554/7	1		10:32	X	X	X																		
RINSE 510-77554/8			10:35																					
RINSE 510-77554/9			10:38																					
MB 510-76967/1-A ^10	10	T	10:41	X	X	X																		
LCS 510-76967/2-A ^10	10	T	10:44	X	X	X																		
ZZZZZZ			10:47																					
ZZZZZZ			10:50																					
ZZZZZZ			10:54																					
ZZZZZZ			10:57																					
ZZZZZZ			11:00																					
ZZZZZZ			11:03																					
ZZZZZZ			11:06																					
ZZZZZZ			11:09																					
CCV 510-77554/20	1		11:12	X	X	X																		
CCB 510-77554/21	1		11:15	X	X	X																		
510-62781-2	10	T	11:18	X	X	X																		
510-62781-3	10	T	11:22	X	X	X																		
510-62781-4	10	T	11:25	X	X	X																		
CCV 510-77554/25	1		11:28	X	X	X																		
CCB 510-77554/26	1		11:31	X	X	X																		
510-62781-5	10	T	15:07	X	X	X																		
CCV 510-77554/28	1		15:10	X	X	X																		
CCB 510-77554/29	1		15:13	X	X	X																		

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/17/2011 16:43 End Date: 03/17/2011 17:57

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	Ba	Cu	Pb																	
ZZZZZZ			16:43																					
ZZZZZZ			16:46																					
ZZZZZZ			16:49																					
ZZZZZZ			16:52																					
ICV 510-77574/5	1		16:55	X	X	X	X																	
ICB 510-77574/6	1		16:59	X	X	X	X																	
ICSA 510-77574/7	1		17:02	X	X	X	X																	
ICSAB 510-77574/8	1		17:05	X	X	X	X																	
RINSE 510-77574/9			17:08																					
RINSE 510-77574/10			17:11																					
MB 510-76967/1-A ^10	10	T	17:14	X		X	X																	
LCS 510-76967/2-A ^10	10	T	17:17	X		X	X																	
510-62781-1	10	T	17:20	X		X	X																	
510-62781-1 MS	10	T	17:23	X		X	X																	
510-62781-1 MSD	10	T	17:26	X		X	X																	
510-62781-1 SD	50	T	17:29	X	X	X	X																	
510-62781-1 PDS	10	T	17:32	X	X	X	X																	
CCV 510-77574/18	1		17:35	X	X	X	X																	
CCB 510-77574/19	1		17:38	X	X	X	X																	
ZZZZZZ			17:42																					
ZZZZZZ			17:45																					
ZZZZZZ			17:48																					
ZZZZZZ			17:51																					
CCV 510-77574/24	1		17:54	X	X	X	X																	
CCB 510-77574/25	1		17:57	X	X	X	X																	

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/18/2011 18:40 End Date: 03/18/2011 23:20

Lab Sample ID	D/F	Type	Time	Analytes																				
				Cr	Ni	Tl																		
ZZZZZZ			18:40																					
ZZZZZZ			18:44																					
ZZZZZZ			18:49																					
ICV 510-77686/4	1		18:53	X	X	X																		
ICB 510-77686/5	1		18:57	X	X	X																		
ICSA 510-77686/6	1		19:02	X	X	X																		
ICSAB 510-77686/7	1		19:06	X	X	X																		
RINSE 510-77686/8			19:11																					
RINSE 510-77686/9			19:15																					
MB 510-76967/1-A ^10	10	T	19:19	X	X	X																		
LCS 510-76967/2-A ^10	10	T	19:24	X	X	X																		
510-62781-1	10	T	19:28			X																		
510-62781-1 MS	10	T	19:33			X																		
510-62781-1 MSD	10	T	19:37			X																		
510-62781-1 PDS	10	T	19:42			X																		
510-62781-1 SD	50	T	19:46			X																		
510-62781-2	10	T	19:51	X	X																			
510-62781-3	10	T	19:55		X	X																		
510-62781-4	10	T	20:00		X	X																		
CCV 510-77686/20	1		20:04	X	X	X																		
CCB 510-77686/21	1		20:08	X	X	X																		
510-62781-5	10	T	20:13	X	X	X																		
CCV 510-77686/23	1		20:17	X	X	X																		
CCB 510-77686/24	1		20:22	X	X	X																		
ZZZZZZ			20:26																					
ZZZZZZ			20:30																					
ZZZZZZ			20:35																					
ZZZZZZ			20:39																					
ZZZZZZ			20:44																					
ZZZZZZ			20:48																					
ZZZZZZ			20:53																					
CCV 510-77686/32			20:57																					
CCB 510-77686/33			21:02																					
ZZZZZZ			21:06																					
ZZZZZZ			21:10																					
ZZZZZZ			21:15																					
ZZZZZZ			21:19																					
ZZZZZZ			21:24																					
ZZZZZZ			21:28																					
ZZZZZZ			21:33																					
ZZZZZZ			21:37																					
ZZZZZZ			21:42																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/18/2011 18:40 End Date: 03/18/2011 23:20

Lab Sample ID	D / F	Type	Time	Analytes																				
				Cr	Ni	Tl																		
ZZZZZZ			21:46																					
CCV 510-77686/44			21:51																					
CCB 510-77686/45			21:55																					
ZZZZZZ			21:59																					
ZZZZZZ			22:04																					
ZZZZZZ			22:08																					
ZZZZZZ			22:13																					
ZZZZZZ			22:17																					
ZZZZZZ			22:22																					
ZZZZZZ			22:26																					
ZZZZZZ			22:31																					
ZZZZZZ			22:35																					
ZZZZZZ			22:40																					
CCV 510-77686/56			22:44																					
CCB 510-77686/57			22:48																					
ZZZZZZ			22:53																					
ZZZZZZ			22:57																					
ZZZZZZ			23:02																					
ZZZZZZ			23:06																					
ZZZZZZ			23:11																					
CCV 510-77686/63			23:15																					
CCB 510-77686/64			23:20																					

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/21/2011 13:39 End Date: 03/21/2011 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
ZZZZZZ			13:39																				
ZZZZZZ			13:43																				
ZZZZZZ			13:46																				
ZZZZZZ			13:49																				
ICV 510-77751/5			13:52																				
ICB 510-77751/6			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
ZZZZZZ			14:12																				
ZZZZZZ			14:14																				
ZZZZZZ			14:17																				
ZZZZZZ			14:20																				
ZZZZZZ			14:23																				
ZZZZZZ			14:26																				
ZZZZZZ			14:28																				
CCV 510-77751/17			14:31																				
CCB 510-77751/18			14:34																				
ZZZZZZ			14:37																				
ZZZZZZ			14:40																				
CCV 510-77751/21			14:42																				
CCB 510-77751/22			14:45																				
ZZZZZZ			14:48																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:56																				
ZZZZZZ			14:59																				
ZZZZZZ			15:02																				
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:10																				
CCV 510-77751/32			15:13																				
CCB 510-77751/33			15:18																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ZZZZZZ			15:27																				
ZZZZZZ			15:30																				
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
CCV 510-77751/40			15:38																				
CCB 510-77751/41			15:44																				
ZZZZZZ			15:47																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/21/2011 13:39 End Date: 03/21/2011 17:23

Lab Sample ID	D / F	Type	Time	Analytes																			
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:55																				
ZZZZZZ			15:58																				
ZZZZZZ			16:00																				
ZZZZZZ			16:03																				
CCV 510-77751/49	1		16:06																				
CCB 510-77751/50	1		16:12																				
ICSA 510-77751/51			16:14																				
ICSAB 510-77751/52			16:17																				
RINSE 510-77751/53			16:20																				
RINSE 510-77751/54			16:23																				
ZZZZZZ			16:30																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:41																				
ZZZZZZ			16:44																				
ZZZZZZ			16:47																				
ZZZZZZ			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:55																				
CCV 510-77751/65			16:58																				
CCB 510-77751/66			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
CCV 510-77751/71			17:18																				
CCB 510-77751/72			17:23																				

Prep Types

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MICPMSA Method: 6020

Start Date: 03/22/2011 15:43 End Date: 03/22/2011 17:36

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			15:43																					
ZZZZZZ			15:46																					
ZZZZZZ			15:49																					
ICV 510-77824/4	1		15:55	X																				
ICB 510-77824/5	1		16:00	X																				
ICSA 510-77824/6	1		16:02	X																				
ICSAB 510-77824/7	1		16:05	X																				
RINSE 510-77824/8			16:08																					
RINSE 510-77824/9			16:10																					
ZZZZZZ			16:26																					
ZZZZZZ			16:29																					
ZZZZZZ			16:31																					
ZZZZZZ			16:34																					
ZZZZZZ			16:37																					
ZZZZZZ			16:39																					
ZZZZZZ			16:42																					
ZZZZZZ			16:44																					
CCV 510-77824/18	1		16:47	X																				
CCB 510-77824/19	1		16:50	X																				
MB 510-76967/1-A ^100	100	T	16:52	X																				
LCS 510-76967/2-A ^100	100	T	16:55	X																				
510-62781-1	100	T	16:57	X																				
510-62781-1 MS	100	T	17:00	X																				
510-62781-1 MSD	100	T	17:03	X																				
510-62781-1 PDS	100	T	17:05	X																				
510-62781-1 SD	500	T	17:08	X																				
510-62781-2	100	T	17:10	X																				
510-62781-4	100	T	17:13	X																				
510-62781-3	100	T	17:15	X																				
CCV 510-77824/30	1		17:18	X																				
CCB 510-77824/31	1		17:21	X																				
510-62781-5	100	T	17:23	X																				
ZZZZZZ			17:26																					
ZZZZZZ			17:28																					
ZZZZZZ			17:31																					
CCV 510-77824/36	1		17:34	X																				
CCB 510-77824/37	1		17:36	X																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MHGC Method: 7471A

Start Date: 03/07/2011 11:06 End Date: 03/07/2011 14:33

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD01REP1 510-76991/1 IC			11:06	X																				
STD02REP1 510-76991/2 IC			11:08	X																				
STD03REP1 510-76991/3 IC			11:11	X																				
STD04REP1 510-76991/4 IC			11:13	X																				
STD05REP1 510-76991/5 IC			11:15	X																				
STD06REP1 510-76991/6 IC			11:17	X																				
STD01REP1 510-76991/7 IC			11:19	X																				
STD02REP1 510-76991/8 IC			11:22	X																				
STD03REP1 510-76991/9 IC			11:24	X																				
STD01REP1 510-76991/10 IC			11:30	X																				
STD02REP1 510-76991/11 IC			11:33	X																				
STD03REP1 510-76991/12 IC			11:35	X																				
STD04REP1 510-76991/13 IC			11:37	X																				
STD05REP1 510-76991/14 IC			11:40	X																				
STD06REP1 510-76991/15 IC			11:42	X																				
STD01REP1 510-76991/16 IC			13:02	X																				
STD02REP1 510-76991/17 IC			13:04	X																				
STD03REP1 510-76991/18 IC			13:06	X																				
STD04REP1 510-76991/19 IC			13:08	X																				
STD05REP1 510-76991/20 IC			13:10	X																				
STD06REP1 510-76991/21 IC			13:13	X																				
ICV 510-76991/22	1		13:18	X																				
CCV 510-76991/23	1		13:20	X																				
CCB 510-76991/24	1		13:22	X																				
ZZZZZZ			13:25																					
LCS 510-76834/10-A ^10	10	T	13:27	X																				
ZZZZZZ			13:29																					
ZZZZZZ			13:31																					
ZZZZZZ			13:34																					
ZZZZZZ			13:36																					
ZZZZZZ			13:38																					
ZZZZZZ			13:41																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Instrument ID: MHGC Method: 7471A

Start Date: 03/07/2011 11:06 End Date: 03/07/2011 14:33

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:43																				
ZZZZZZ			13:46																				
CCV 510-76991/35	1		13:48	X																			
CCB 510-76991/36	1		13:50	X																			
ZZZZZZ			13:53																				
ZZZZZZ			13:55																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ZZZZZZ			14:02																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
510-62781-1	1	T	14:09	X																			
510-62781-1 MS	1	T	14:11	X																			
510-62781-1 MSD	1	T	14:13	X																			
CCV 510-76991/47	1		14:15	X																			
CCB 510-76991/48	1		14:17	X																			
510-62781-2	1	T	14:20	X																			
510-62781-3	1	T	14:22	X																			
510-62781-4	1	T	14:24	X																			
510-62781-5	1	T	14:26	X																			
ZZZZZZ			14:29																				
CCV 510-76991/54	1		14:31	X																			
CCB 510-76991/55	1		14:33	X																			

Prep Types
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/09/2011 End Date: 03/09/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77092/3	09:22	93		96		96				98	
ICB 510-77092/4	09:29	106		102		116				98	
ICSA 510-77092/5	09:33	72		73		80				74	
ICSAB 510-77092/6	09:37	68		69		74				69	
MB 510-76967/1-A	09:50	81		84		84				88	
LCS 510-76967/2-A	09:54	81		101		84				84	
510-62781-1	10:17	88		116		99				94	
510-62781-1 MS	10:21	78		95		86				86	
510-62781-1 MSD	10:24	79		95		85				85	
CCV 510-77092/19	10:28	82		88		88				91	
CCB 510-77092/20	10:36	99		95		115				96	
510-62781-2	10:40	86		98		94				95	
510-62781-3	10:43	87		101		97				96	
510-62781-4	10:47	90		105		99				97	
510-62781-5	10:51	87		97		96				96	
CCV 510-77092/25	10:55	80		82		91				94	
CCB 510-77092/26	10:59	97		92		115				96	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/09/2011 End Date: 03/09/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77092/3	09:22	99		99		95					
ICB 510-77092/4	09:29	99		98		96					
ICSA 510-77092/5	09:33	80		85		74					
ICSAB 510-77092/6	09:37	75		79		69					
MB 510-76967/1-A	09:50	91		88		83					
LCS 510-76967/2-A	09:54	86		103		90					
510-62781-1	10:17	99		107		90					
510-62781-1 MS	10:21	90		102		85					
510-62781-1 MSD	10:24	90		102		84					
CCV 510-77092/19	10:28	93		94		88					
CCB 510-77092/20	10:36	98		98		89					
510-62781-2	10:40	99		106		93					
510-62781-3	10:43	100		109		93					
510-62781-4	10:47	100		108		92					
510-62781-5	10:51	98		105		91					
CCV 510-77092/25	10:55	95		100		92					
CCB 510-77092/26	10:59	99		101		92					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/11/2011 End Date: 03/11/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77288/5	21:43			99		100				99	
ICB 510-77288/6	21:47			101		101				102	
ICSA 510-77288/7	21:52			97		98				91	
ICSAB 510-77288/8	21:56			93		96				90	
MB 510-76967/1-A	22:08			101		101				101	
LCS 510-76967/2-A	22:13			112		108				104	
CCV 510-77288/21	22:51			112		112				105	
CCB 510-77288/22	22:55			114		113				106	
510-62781-2	23:00			121	*	118				108	
CCV 510-77288/27	23:17			112		114				104	
CCB 510-77288/28	23:21			114		116				106	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/11/2011 End Date: 03/11/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77288/5	21:43	101		101		102					
ICB 510-77288/6	21:47	102		103		103					
ICSA 510-77288/7	21:52	95		99		91					
ICSAB 510-77288/8	21:56	94		98		90					
MB 510-76967/1-A	22:08	101		101		100					
LCS 510-76967/2-A	22:13	105		110		106					
CCV 510-77288/21	22:51	104		107		105					
CCB 510-77288/22	22:55	105		106		104					
510-62781-2	23:00	108		110		107					
CCV 510-77288/27	23:17	104		107		106					
CCB 510-77288/28	23:21	106		108		106					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/17/2011 End Date: 03/17/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77554/4	10:22			98		98				97	
ICB 510-77554/5	10:26			88		89				89	
ICSA 510-77554/6	10:29			85		91				83	
ICSAB 510-77554/7	10:32			89		92				83	
MB 510-76967/1-A	10:41			100		99				100	
LCS 510-76967/2-A	10:44			102		100				98	
CCV 510-77554/20	11:12			103		102				104	
CCB 510-77554/21	11:15			115		110				110	
510-62781-2	11:18			114		109				109	
510-62781-3	11:22			115		111				111	
510-62781-4	11:25			119		112				111	
CCV 510-77554/25	11:28			98		98				100	
CCB 510-77554/26	11:31			112		109				109	
510-62781-5	15:07			78		76				82	
CCV 510-77554/28	15:10			80		79				86	
CCB 510-77554/29	15:13			81		81				87	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/17/2011 End Date: 03/17/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77554/4	10:22	98		98		97					
ICB 510-77554/5	10:26	89		89		87					
ICSA 510-77554/6	10:29	87		89		82					
ICSAB 510-77554/7	10:32	88		90		83					
MB 510-76967/1-A	10:41	100		98		96					
LCS 510-76967/2-A	10:44	99		102		96					
CCV 510-77554/20	11:12	103		100		96					
CCB 510-77554/21	11:15	110		103		98					
510-62781-2	11:18	109		104		98					
510-62781-3	11:22	111		107		101					
510-62781-4	11:25	111		107		101					
CCV 510-77554/25	11:28	99		97		95					
CCB 510-77554/26	11:31	108		102		96					
510-62781-5	15:07	89		92		87					
CCV 510-77554/28	15:10	91		91		85					
CCB 510-77554/29	15:13	92		91		85					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/17/2011 End Date: 03/17/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77574/5	16:55	92		89		90		91		93	
ICB 510-77574/6	16:59	96		91		91		93		93	
ICSA 510-77574/7	17:02	90		86		89		83		82	
ICSAB 510-77574/8	17:05	88		84		87		84		80	
MB 510-76967/1-A	17:14	101		100		99		101		100	
LCS 510-76967/2-A	17:17	100		103		100		475	*	97	
510-62781-1	17:20	105		111		108		369	*	103	
510-62781-1 MS	17:23	100		101		98		393	*	96	
510-62781-1 MSD	17:26	101		102		97		371	*	94	
510-62781-1 SD	17:29	109		109		109		163	*	104	
510-62781-1 PDS	17:32	103		106		104		355	*	98	
CCV 510-77574/18	17:35	100		97		97		100		97	
CCB 510-77574/19	17:38	107		101		108		109		108	
510-62781-2	17:42	110		105		110		215	*	107	
510-62781-3	17:45	107		108		110		308	*	106	
510-62781-4	17:48	111		109		112		248	*	108	
510-62781-5	17:51	110		109		109		212	*	106	
CCV 510-77574/24	17:54	100		91		99		100		98	
CCB 510-77574/25	17:57	106		101		103		105		102	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/17/2011 End Date: 03/17/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77574/5	16:55	94		95		104					
ICB 510-77574/6	16:59	94		94		100					
ICSA 510-77574/7	17:02	86		86		82					
ICSAB 510-77574/8	17:05	85		84		78					
MB 510-76967/1-A	17:14	100		99		104					
LCS 510-76967/2-A	17:17	99		102		105					
510-62781-1	17:20	103		102		101					
510-62781-1 MS	17:23	96		98		93					
510-62781-1 MSD	17:26	95		96		90					
510-62781-1 SD	17:29	103		98		97					
510-62781-1 PDS	17:32	98		98		94					
CCV 510-77574/18	17:35	96		94		93					
CCB 510-77574/19	17:38	105		103		103					
510-62781-2	17:42	105		105		103					
510-62781-3	17:45	104		104		101					
510-62781-4	17:48	106		105		104					
510-62781-5	17:51	104		103		103					
CCV 510-77574/24	17:54	97		98		100					
CCB 510-77574/25	17:57	101		100		104					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/18/2011 End Date: 03/18/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77686/4	18:53	99		101		100				101	
ICB 510-77686/5	18:57	104		104		102				103	
ICSA 510-77686/6	19:02	99		98		102				96	
ICSAB 510-77686/7	19:06	93		95		101				96	
MB 510-76967/1-A	19:19	99		105		107				110	
LCS 510-76967/2-A	19:24	100		109		110				111	
510-62781-1	19:28	116		130	*	128	*			124	*
510-62781-1 MS	19:33	110		116		116				115	
510-62781-1 MSD	19:37	105		114		114				113	
510-62781-1 PDS	19:42	113		127	*	126	*			123	*
510-62781-1 SD	19:46	111		123	*	127	*			125	*
510-62781-2	19:51	116		128	*	130	*			128	*
510-62781-3	19:55	115		127	*	127	*			127	*
510-62781-4	20:00	116		130	*	129	*			128	*
CCV 510-77686/20	20:04	107		113		117				118	
CCB 510-77686/21	20:08	112		117		118				120	
510-62781-5	20:13	110		119		119				118	
CCV 510-77686/23	20:17	102		109		113				115	
CCB 510-77686/24	20:22	109		114		116				120	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/18/2011 End Date: 03/18/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77686/4	18:53	101		100		99					
ICB 510-77686/5	18:57	103		101		100					
ICSA 510-77686/6	19:02	100		101		96					
ICSAB 510-77686/7	19:06	100		104		98					
MB 510-76967/1-A	19:19	111		111		110					
LCS 510-76967/2-A	19:24	112		115		113					
510-62781-1	19:28	122	*	118		112					
510-62781-1 MS	19:33	114		113		108					
510-62781-1 MSD	19:37	113		114		108					
510-62781-1 PDS	19:42	121	*	118		112					
510-62781-1 SD	19:46	122	*	116		111					
510-62781-2	19:51	126	*	124	*	118					
510-62781-3	19:55	125	*	124	*	117					
510-62781-4	20:00	124	*	122	*	115					
CCV 510-77686/20	20:04	115		111		108					
CCB 510-77686/21	20:08	117		113		109					
510-62781-5	20:13	116		114		109					
CCV 510-77686/23	20:17	113		111		110					
CCB 510-77686/24	20:22	117		115		112					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/21/2011 End Date: 03/21/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
CCV 510-77751/49	16:06	96		104		100				99	
CCB 510-77751/50	16:12	103		108		104				104	
MB 510-76967/1-A	16:30	109		123	*	117				120	
LCS 510-76967/2-A	16:33	108		125	*	110				111	
510-62781-1	16:50	117		137	*	131	*			129	*
510-62781-1 MS	16:52	114		125	*	120				120	
510-62781-1 MSD	16:55	112		125	*	120				118	
510-62781-2	17:07	117		134	*	126	*			127	*
510-62781-3	17:09	122	*	137	*	129	*			129	*
510-62781-4	17:12	125	*	140	*	131	*			131	*
510-62781-5	17:15	119		135	*	128	*			128	*

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/21/2011 End Date: 03/21/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
CCV 510-77751/49	16:06	100		103		104					
CCB 510-77751/50	16:12	105		106		108					
MB 510-76967/1-A	16:30	121	*	119		122	*				
LCS 510-76967/2-A	16:33	112		114		113					
510-62781-1	16:50	125	*	120		119					
510-62781-1 MS	16:52	118		116		115					
510-62781-1 MSD	16:55	119		116		115					
510-62781-2	17:07	124	*	117		117					
510-62781-3	17:09	125	*	119		117					
510-62781-4	17:12	127	*	120		118					
510-62781-5	17:15	124	*	117		116					

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/22/2011 End Date: 03/22/2011

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc	Q	Element Ge	Q	Element Y-89	Q	Element Rh	Q
ICV 510-77824/4	15:55	96		94		96		96		94	
ICB 510-77824/5	16:00	101		97		96		96		94	
ICSA 510-77824/6	16:02	96		91		96		91		86	
ICSAB 510-77824/7	16:05	94		91		95		92		85	
CCV 510-77824/18	16:47	82		86		96		94		93	
CCB 510-77824/19	16:50	90		89		100		100		97	
MB 510-76967/1-A	16:52	96		97		106		103		101	
LCS 510-76967/2-A	16:55	94		95		105		140	*	99	
510-62781-1	16:57	101		102		109		133	*	103	
510-62781-1 MS	17:00	100		100		108		134	*	102	
510-62781-1 MSD	17:03	101		100		108		134	*	101	
510-62781-1 PDS	17:05	106		104		111		162	*	103	
510-62781-1 SD	17:08	109		106		114		114		105	
510-62781-2	17:10	112		110		114		120		104	
510-62781-4	17:13	108		106		112		121	*	102	
510-62781-3	17:15	108		104		111		125	*	102	
CCV 510-77824/30	17:18	105		98		106		101		98	
CCB 510-77824/31	17:21	108		100		107		101		99	
510-62781-5	17:23	105		98		106		107		97	
CCV 510-77824/36	17:34	101		96		101		95		93	
CCB 510-77824/37	17:36	106		97		102		97		96	

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

ICP-MS Instrument ID: MICPMSA Start Date: 03/22/2011 End Date: 03/22/2011

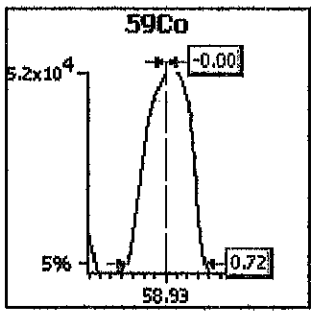
Lab Sample ID	Time	Internal Standards %RI For:									
		Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q	Element	Q
ICV 510-77824/4	15:55	94		94		95					
ICB 510-77824/5	16:00	93		91		91					
ICSA 510-77824/6	16:02	89		88		85					
ICSAB 510-77824/7	16:05	89		88		85					
CCV 510-77824/18	16:47	95		100		99					
CCB 510-77824/19	16:50	98		100		100					
MB 510-76967/1-A	16:52	101		98		98					
LCS 510-76967/2-A	16:55	98		96		96					
510-62781-1	16:57	101		100		96					
510-62781-1 MS	17:00	99		96		95					
510-62781-1 MSD	17:03	99		96		94					
510-62781-1 PDS	17:05	100		96		94					
510-62781-1 SD	17:08	101		96		93					
510-62781-2	17:10	100		94		92					
510-62781-4	17:13	99		94		91					
510-62781-3	17:15	99		94		92					
CCV 510-77824/30	17:18	97		95		93					
CCB 510-77824/31	17:21	98		96		93					
510-62781-5	17:23	95		92		91					
CCV 510-77824/36	17:34	93		94		93					
CCB 510-77824/37	17:36	95		96		94					

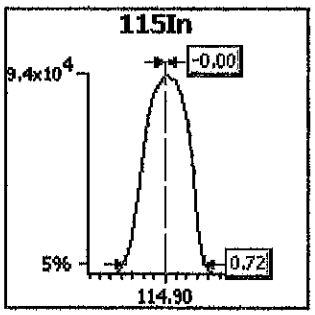
Performance Report

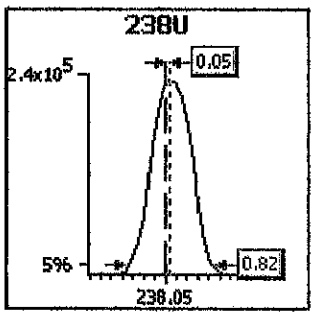
Sample details
Acquired at : 03/09/2011 08:43:40
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum







Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.72	-0.00
115In	0.85	0.65	0.10	0.72	-0.00
238U	0.85	0.65	0.10	0.82	0.05

77092
030811f.csv
.txt

Sample details
Acquired at : 03/09/2011 08:43:40
Report name : Xl Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-125
Lens 1	-0.6
Focus	15.1
D1	-40.8
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.75
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1373
Horizontal	21
Vertical	451
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	160
High resolution	135
Analogue Detector	1900
PC Detector	3720

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	08:44:11	13878.586	51128.373	0.600	92366.363	44.000	605.020	121686.00	1346.500	0.100
2	08:44:51	14700.075	53461.738	1.400	93819.126	43.500	597.020	122633.60	1416.510	0.100
3	08:45:31	14523.392	53342.038	1.200	93116.457	44.000	618.021	123347.16	1379.705	0.200
4	08:46:11	14738.137	54068.309	1.200	93843.375	51.000	653.023	125466.87	1414.710	0.000
x		14460.048	53000.114	1.100	93286.330	45.625	618.271	123283.41	1389.356	0.100
σ		398.77	1287.69	0.35	699.85	3.59	24.73	1606.81	33.22	0.08
%RSD		2.758	2.430	31.492	0.750	7.871	4.000	1.303	2.391	81.650

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	08:44:11	222170.51
2	08:44:51	223511.28
3	08:45:31	223545.10
4	08:46:11	230910.81
x		225034.43
σ		3969.55
%RSD		1.764

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	08:44:11	0.014	0.011
2	08:44:51	0.032	0.012
3	08:45:31	0.027	0.011
4	08:46:11	0.024	0.011
x		0.0242	0.0113
σ		0.01	0.00
%RSD		32.5283	1.8319

Result : The performance report passed.

```
   calb,   03/09/2011 09:14:49
User Pre-dilution: 1.000
Run Time       6Li     13C      45Sc   52Cr      60Ni   65Cu      72Ge      75As   78Se    89Y
                ppb     ppb       ppb     ppb       ppb    ppb       ppb       ppb    ppb    ppb
  x       100.000%   0.000  100.000%   0.000    -0.000  0.000  100.000%    -0.000  0.000  0.000
  %          0.832   0.000     1.733   0.000     0.000  0.000     2.431     0.000  0.000  0.000
RSD
Run Time     103Rh  107Ag   108Mo O  111Cd     115In  121Sb     137Ba     159Tb  205Tl  208Pb
                ppb     ppb       ppb     ppb       ppb    ppb       ppb       ppb    ppb    ppb
  x       100.000%  -0.000     0.000 -0.000  100.000%  0.000     0.000  100.000%  0.000  0.000
                               I
  %          7.274   0.000     0.000  0.000     6.847  0.000     0.000     4.714  0.000  0.000
                               I
RSD
Run Time     209Bi
                ppb
  x       100.000%
  %          2.761
RSD
```

cal2, 03/09/2011 09:18:34
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	96.880%	0.000	97.986%	500.000	500.000	500.000	97.703%	500.000	500.000
				M	M	M		M	M
%	1.331	0.000	2.801	2.412	2.826	1.793	1.740	2.135	2.199
				M	M	M		M	M
RSD									

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	101.622%	500.000	0.000	500.000	101.898%	500.000	500.000	101.915%	500.000
		TM	I	M		M	M		TM
%	5.503	3.918	0.000	2.308	5.680	2.491	3.817	4.520	1.603
		TM	I	M		M	M		TM
RSD									

Run Time	209Bi
	ppb
x	92.711%
%	2.574
RSD	

ICV, 03/09/2011 09:22:21
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	93.030%	0.000	96.457%	194.800	208.000	207.300	95.778%	194.200	186.900	0.000
%	4.939	0.000	3.782	3.941	3.193	2.878	1.621	3.016	3.396	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	98.276%	222.700	0.000	206.500	99.393%	298.000	203.400	99.392%	202.200	204.200
			I						T	
%	2.983	3.332	0.000	4.202	3.329	2.972	3.806	2.325	2.407	2.726
			I						T	
RSD										

Run Time	209Bi
	ppb
x	95.074%
	1.228
%	
RSD	

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\TEMPLATES\TestAmerica All.tet
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/09/2011 11:03:10
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	ICV,	Unknown	1.000	0	1	1	150
4	ICB,	Unknown	1.000	0	1	2	144
5	ICSA,	Unknown	1.000	1	1	3	150
6	ICSAB,	Unknown	1.000	1	1	4	150
7	rinse,	Unknown	1.000	0	1	3	150
8	rinse,	Unknown	1.000	0	1	3	150
9	MB 510-76967/1-A 0307-1 @5,	Unknown	1.000	1	6	1	150
10	LCS 510-76967/2-A @5,	Unknown	1.000	1	6	2	144
11	510-62763-B-1-B @5,	Unknown	1.000	1	6	3	144
12	510-62763-B-1-C MS @5,	Unknown	1.000	1	6	4	144
13	510-62763-B-1-D MSD @5,	Unknown	1.000	1	6	5	144
14	510-62763-B-1-B pds @5 qc723 1:100,	Unknown	1.000	1	6	6	144
15	510-62763-B-1-B sd @25,	Unknown	1.000	1	6	7	144
16	510-62781-I-1-D @5,	Unknown	1.000	1	6	8	144
17	510-62781-I-1-E MS @5,	Unknown	1.000	1	6	9	144
18	510-62781-I-1-F MSD @5,	Unknown	1.000	1	6	10	144
19	ccv,	Unknown	1.000	0	1	1	144
20	ccb,	Unknown	1.000	0	1	2	144
21	510-62781-I-2-B @5,	Unknown	1.000	1	6	11	144
22	510-62781-I-3-B @5,	Unknown	1.000	1	6	12	144
23	510-62781-I-4-B @5,	Unknown	1.000	1	6	13	144
24	510-62781-I-5-B @5,	Unknown	1.000	1	6	14	144
25	ccv,	Unknown	1.000	0	1	1	144
26	ccb,	Unknown	1.000	0	1	2	144

ICB, 03/09/2011 09:29:53
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	106.154%	0.000	101.704%	1.439	-0.036	-0.079	116.341%	-0.452	-0.831	0.000
%	1.237	0.000	2.261	5.581	61.720	33.850	1.636	49.910	5.616	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	98.321%	-0.046	0.000 I	-0.015	99.397%	1.881	-0.050	97.966%	0.020	-0.008
%	2.404	17.400	0.000 I	55.940	3.662	10.140	27.540	1.260	33.150	43.870
RSD										

Run Time	209Bi
	ppb
x	95.505%
%	2.005
RSD	

ICSA, 03/09/2011 09:33:39
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	72.471%	0.000	73.250%	0.866	1.430	0.483	80.439%	-0.840	-0.574	0.000
%	2.918	0.000	3.794	15.160	5.892	13.810	2.338	37.140	8.800	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	74.010%	4.559	0.000 I	0.133	80.358%	0.682	0.189	84.723%	-0.009	0.004
%	6.657	5.551	0.000 I	48.760	6.042	8.039	13.870	5.354	28.850	133.500
RSD										

Run Time	209Bi
	ppb
x	73.577%
%	5.022
RSD	

ICSAB, 03/09/2011 09:37:24
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	67.655%	0.000	68.968%	190.000	182.200	172.300	74.154%	90.560	89.700	0.000
%	4.220	0.000	3.350	5.570	5.556	5.562	3.896	4.985	6.023	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	68.658%	51.470	0.000 I	97.960	74.574%	0.781	0.185	78.663%	-0.002	0.073
%	3.995	5.577	0.000 I	7.320	3.784	10.700	28.200	4.264	93.000	15.590
RSD										

Run Time	209Bi
	ppb
x	69.227%
%	4.952
RSD	

MB 510-76967/1-A 0307-1 @5, 03/09/2011 09:50:44
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	81.003%	0.000	84.481%	-1.116	0.021	-0.088	84.167%	-0.237	-0.054	0.000
%	4.074	0.000	1.986	1.438	195.400	34.760	0.566	47.310	254.800	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	88.140%	-0.015	0.000	-0.022	90.885%	-0.094	0.090	88.437%	-0.014	0.177
			I							
%	3.012	48.030	0.000	24.290	4.213	20.120	18.430	2.722	5.427	4.155
			I							
RSD										

Run Time	209Bi
	ppb
x	82.824%
%	1.459
RSD	

LCS 510-76967/2-A @5, 03/09/2011 09:54:31
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	80.762%	0.000	101.275%	300.700	401.200	258.400	84.142%	389.500	717.300 M
%	1.762	0.000	1.236	0.987	2.003	1.755	1.662	2.034	2.479 M
RSD									

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	83.614%	213.100	0.000 I	443.100	86.534%	557.600 M	1227.000 M	103.167%	655.400 TM	59 TM
%	6.445	3.051	0.000 I	3.144	6.124	2.577 M	4.276 M	4.225	3.317 TM	TM
RSD									

Run Time	209Bi
	ppb
x	90.377%
%	4.187
RSD	

```
   510-62781-I-1-D @5,   03/09/2011 10:17:17
User Pre-dilution: 1.000
Run Time     6Li    13C      45Sc   52Cr    60Ni   65Cu    72Ge      75As   78Se         89Y
               ppb    ppb       ppb    ppb      ppb    ppb     ppb       ppb    ppb         ppb
  x       87.773%  0.000 116.247% 32.210  48.070 66.640 99.064%    15.720  1.787       0.000
  %         3.876  0.000    0.486  1.607   2.003  1.620   0.628     2.412 11.400       0.000
RSD
Run Time   103Rh  107Ag  108Mo O  111Cd   115In  121Sb   137Ba     159Tb  205Tl       208Pb
               ppb    ppb       ppb    ppb      ppb    ppb     ppb       ppb    ppb         ppb
  x       94.428%  0.187     0.000  0.873 98.895%  2.555 415.800 107.054%  0.933    500.100
                          I                                                            TM
  %         4.640 15.190     0.000  4.545   3.564  2.843   1.772    2.847  2.413       1.484
                          I                                                              TM
RSD
Run Time   209Bi
               ppb
  x       89.758%
  %         2.164
RSD
```

510-62781-I-1-E MS @5, 03/09/2011 10:21:06
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	77.734%	0.000	95.222%	199.800	208.300	202.700	85.625%	184.600	166.300	0.000
%	1.611	0.000	1.993	2.562	1.736	2.629	2.267	3.019	2.852	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	85.898%	419.100	0.000	196.200	89.619%	151.300	743.100	102.373%	208.400	255.500
			I				M		T	
%	4.063	1.821	0.000	1.942	2.900	2.078	1.273	1.913	1.904	1.509
			I				M		T	
RSD										

Run Time	209Bi
	ppb
x	85.093%
%	0.876
RSD	

510-62781-I-1-F MSD @5, 03/09/2011 10:24:54
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	78.949%	0.000	94.673%	202.400	213.300	206.300	84.822%	189.300	169.500	0.000
%	1.949	0.000	1.067	1.906	2.548	2.813	0.683	1.943	1.731	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	85.109%	429.700	0.000	200.000	89.737%	158.000	741.300	101.765%	207.900	275.400
			I				M		T	T
%	4.491	1.179	0.000	1.249	3.497	1.470	2.667	2.884	1.388	2.066
			I				M		T	T
RSD										

Run Time	209Bi
	ppb
x	83.649%
%	2.266
RSD	

```
   ccv,   03/09/2011 10:28:41
User Pre-dilution: 1.000
Run Time     6Li     13C    45Sc    52Cr    60Ni    65Cu    72Ge    75As      78Se     89Y
               ppb     ppb     ppb     ppb     ppb     ppb     ppb     ppb       ppb     ppb
  x       82.477%   0.000 87.623% 207.300 219.900 216.100 88.280% 204.200   197.400   0.000
  %         3.150   0.000   3.497   3.932   4.112   4.131   1.892   2.912     2.796   0.000
RSD
Run Time   103Rh   107Ag 108Mo O   111Cd   115In   121Sb   137Ba   159Tb     205Tl   208Pb
               ppb     ppb     ppb     ppb     ppb     ppb     ppb     ppb       ppb     ppb
  x       91.278% 233.800   0.000 219.400 92.725% 292.900 216.100 94.366%   223.900 224.700
                            I                                               T
  %         3.248   3.510   0.000   3.733   4.356   4.036   3.801   2.781     3.102   3.740
                            I                                                   T
RSD
Run Time   209Bi
               ppb
  x       87.654%
  %         2.765
RSD
```

ccb, 03/09/2011 10:36:12
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	98.967%	0.000	94.873%	2.193	-0.032	-0.115	115.469%	-0.531	-0.594	0.000
%	7.884	0.000	9.254	4.652	32.020	18.360	2.558	8.783	25.570	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	96.089%	-0.059	0.000 I	-0.016	97.958%	1.242	-0.045	97.889%	0.307	0.010
%	4.935	10.700	0.000 I	26.460	4.055	8.561	32.250	1.784	1.865	56.460
RSD										

Run Time	209Bi
	ppb
x	88.742%
%	2.568
RSD	

510-62781-I-2-B @5, 03/09/2011 10:40:00
User Pre-dilution: 1.000

Run Time		6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	85.898%	0.000	98.534%	18.690	23.830	16.970	94.080%	7.517	0.251	0.000
	%	1.751	0.000	0.497	2.437	2.647	3.919	2.860	2.855	25.660	0.000
RSD											

Run Time		103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	95.103%	0.171	0.000	0.262	98.596%	0.734	145.300	105.988%	0.369	23.390
				I							
	%	6.029	8.551	0.000	3.418	5.891	3.373	5.502	5.382	3.147	4.287
				I							
RSD											

Run Time		209Bi
		ppb
	x	93.090%
	%	4.572
RSD		

510-62781-I-3-B @5, 03/09/2011 10:43:50
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	86.947%	0.000	100.644%	28.100	32.190	46.250	96.772%	12.650	0.420	0.000
%	1.261	0.000	1.356	1.193	0.631	0.819	1.204	0.256	30.600	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	95.522%	0.139	0.000	1.346	99.488%	3.231	226.100	108.690%	0.392	185.300
			I							
%	5.089	13.820	0.000	8.014	4.665	1.841	2.150	2.936	2.134	1.228
			I							
RSD										

Run Time	209Bi
	ppb
x	93.216%
%	1.551
RSD	

510-62781-I-4-B @5, 03/09/2011 10:47:39
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	89.477%	0.000	104.746%	31.380	27.470	16.470	98.559%	8.536	0.523	0.000
%	1.701	0.000	1.655	3.799	3.390	3.465	2.096	3.289	34.690	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	97.120%	0.080	0.000 I	0.200	100.467%	0.416	103.200	108.468%	0.296	21.560
%	3.479	6.631	0.000 I	9.591	2.023	8.443	1.762	0.859	4.968	2.295
RSD										

Run Time	209Bi
	ppb
x	92.310%
%	0.510
RSD	

510-62781-I-5-B @5, 03/09/2011 10:51:29
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	86.611%	0.000	97.224%	20.320	24.110	16.600	96.452%	7.194	0.234	0.000
%	1.178	0.000	1.864	3.769	2.643	4.250	1.806	5.474	17.530	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	95.585%	-0.013	0.000 I	0.154	98.202%	0.152	93.340	105.217%	0.201	19.650
%	5.846	15.260	0.000 I	35.700	5.828	18.870	5.071	3.874	5.111	2.017
RSD										

Run Time	209Bi
	ppb
x	90.924%
%	2.142
RSD	

ccv, 03/09/2011 10:55:18
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	80.529%	0.000	82.292%	209.300	225.100	222.300	91.010%	204.700	199.100	0.000
%	3.308	0.000	3.266	3.441	3.038	2.771	1.628	2.966	3.514	0.000
RSD										

Run Time	103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	93.561%	232.100	0.000	219.300	95.080%	289.400	216.600	100.217%	224.100	224.400
			I						T	
%	7.384	4.385	0.000	3.469	6.392	3.425	6.133	5.312	4.108	4.001
			I						T	
RSD										

Run Time	209Bi
	ppb
x	91.719%
%	3.898
RSD	

ccb, 03/09/2011 10:59:03
User Pre-dilution: 1.000

Run Time		6Li	13C	45Sc	52Cr	60Ni	65Cu	72Ge	75As	78Se	89Y
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	96.766%	0.000	91.530%	1.085	-0.003	-0.116	115.023%	-0.702	-0.310	0.000
	%	3.895	0.000	2.378	16.120	305.700	15.080	0.154	18.650	44.190	0.000
RSD											

Run Time		103Rh	107Ag	108Mo O	111Cd	115In	121Sb	137Ba	159Tb	205Tl	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	96.545%	-0.041	0.000	-0.000	98.719%	2.875	-0.021	100.581%	0.216	0.026
				I							
	%	3.551	12.520	0.000	2516.000	3.918	27.620	115.700	1.975	8.841	5.745
				I							
RSD											

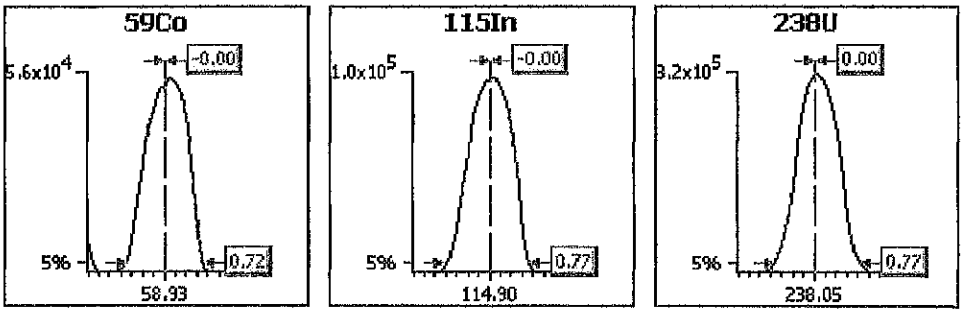
Run Time		209Bi
		ppb
	x	91.504%
	%	1.158
RSD		

Performance Report

Sample details
Acquired at : 03/11/2011 09:42:06
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.72	-0.00
115In	0.85	0.65	0.10	0.77	-0.00
238U	0.85	0.65	0.10	0.77	0.00

Sample details
Acquired at : 03/11/2011 09:42:06
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-125
Lens 1	-0.6
Focus	15.1
D1	-37.6
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.75
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1349
Horizontal	21
Vertical	451
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	170
High resolution	135
Analogue Detector	1925
PC Detector	3925

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	09:42:37	15217.726	56975.987	1.200	101840.25	49.500	684.026	136741.73	1942.407	0.100
2	09:43:17	15317.293	57542.538	0.200	101354.87	59.000	715.028	135895.18	1953.210	0.100
3	09:43:57	15527.049	59091.427	0.600	101568.74	63.500	746.031	137063.52	2007.422	0.000
4	09:44:37	15564.513	58834.770	1.800	101459.53	61.500	731.029	135761.20	1935.406	0.100
x		15406.645	58111.180	0.950	101555.85	58.375	719.028	136365.41	1959.611	0.075
σ		166.43	1015.95	0.70	208.74	6.20	26.55	636.44	32.70	0.05
%RSD		1.080	1.748	73.684	0.206	10.615	3.692	0.467	1.669	66.667

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	09:42:37	316845.43
2	09:43:17	315952.65
3	09:43:57	314219.10
4	09:44:37	312222.03
x		314809.80
σ		2040.87
%RSD		0.648

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	09:42:37	0.024	0.014
2	09:43:17	0.003	0.014
3	09:43:57	0.009	0.015
4	09:44:37	0.029	0.014
x		0.0166	0.0144
σ		0.01	0.00
%RSD		73.3868	1.3707

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\data\031111a 6020.tee
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/12/2011 10:06:09
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings
- No flag
- Semi Quant
- Standard Addition
- Multi Element

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

Transient TRA only:
- Peak Not Found
- Manually Edited
- Mass Shifted

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal2dig,	Fully Quant Standard	1.000	1	1	3	150
4	cal6,	Fully Quant Standard	1.000	1	1	4	150
5	ICV,	Unknown	1.000	0	1	1	150
6	ICB,	Unknown	1.000	0	1	2	144
7	icsa,	Unknown	1.000	1	1	6	150
8	icsab,	Unknown	1.000	1	1	7	150
9	RINSE,	Unknown	1.000	0	1	3	144
10	RINSE,	Unknown	1.000	0	1	3	144
11	MB 510-76967/1-A @10,	Unknown	1.000	2	1	1	150
12	LCS 510-76967/2-A @10,	Unknown	1.000	2	1	2	144
13	510-62763-B-1-B @10,	Unknown	1.000	2	1	3	144
14	510-62763-B-1-C MS @10,	Unknown	1.000	2	1	4	144
15	510-62763-B-1-D MSD @10,	Unknown	1.000	2	1	5	144
16	510-62763-B-1-B sd @50,	Unknown	1.000	2	1	6	144
17	510-62763-B-1-B pds @10 qc723 1:100,	Unknown	1.000	2	1	7	144
18	510-62781-I-1-D @10,	Unknown	1.000	2	1	8	144
19	510-62781-I-1-E MS @10,	Unknown	1.000	2	1	9	144
20	510-62763-B-1-D MSD @10,	Unknown	1.000	2	1	10	144
21	CCV,	Unknown	1.000	0	1	1	144
22	CCB,	Unknown	1.000	0	1	2	144
23	510-62781-I-2-B @10,	Unknown	1.000	2	1	11	144
24	510-62781-I-3-B @10,	Unknown	1.000	2	1	12	144
25	510-62781-I-4-B @10,	Unknown	1.000	2	1	13	144
26	510-62781-I-5-B @10,	Unknown	1.000	2	1	14	144
27	CCV,	Unknown	1.000	0	1	1	144
28	CCB,	Unknown	1.000	0	1	2	144

Dilution Corrected Concentrations

calb, 03/11/2011 21:26:44

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	100.000%	-0.000	100.000%	0.000	100.000%	0.000	I0.000	100.000%
%RSD		0.000	0.000	1.336	0.000	1.079	0.000	5.016	0.000	I0.000	4.831

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-0.000	0.000	100.000%	0.000	0.000	100.000%
%RSD		0.000	0.000	2.210	0.000	0.000	1.250

cal2, 03/11/2011 21:30:57

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	94.171%	M500.000	95.203%	0.000	94.998%	388.600	I0.000	96.372%
%RSD		0.000	0.000	0.594	M0.397	0.827	0.000	5.182	0.676	I0.000	4.789

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		427.600	M500.000	96.926%	TM500.000	M500.000	98.071%
%RSD		8.381	M2.245	2.469	TM0.650	M0.493	0.809

cal2dlg, 03/11/2011 21:35:10

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	103.149%	M485.100	101.843%	0.000	101.304%	M500.000	I0.000	102.796%
%RSD		0.000	0.000	2.470	M3.651	2.134	0.000	7.724	M3.654	I0.000	6.224

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		M641.900	M502.800	103.168%	TM510.000	TM497.700	101.159%
%RSD		M5.948	M5.705	4.096	TM3.866	TM4.219	2.762

cal6, 03/11/2011 21:39:23

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	101.502%	0.348	98.731%	0.000	99.611%	1.076	I 0.000	99.551%
%RSD		0.000	0.000	0.226	17.130	1.845	0.000	5.923	5.578	I 0.000	5.267

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
x		M 500.000	0.933	100.920%	0.837	0.076	100.901%
%RSD		M 7.286	4.059	2.397	22.950	4.457	1.883

ICV, 03/11/2011 21:43:36

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	99.021%	197.900	100.179%	0.000	98.989%	186.200	I 0.000	100.572%
%RSD		0.000	0.000	0.999	0.431	0.723	0.000	4.993	0.489	I 0.000	5.080

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
x		217.000	195.100	101.195%	201.800	193.600	102.303%
%RSD		1.755	2.877	2.326	0.544	0.617	1.143

ICB, 03/11/2011 21:47:49

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.000	0.000	101.407%	0.112	101.311%	0.000	101.610%	0.140	I 0.000	102.467%
%RSD		0.000	0.000	1.905	51.330	1.168	0.000	5.972	10.800	I 0.000	5.018

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
x		15.830	0.187	102.616%	0.196	0.090	102.651%
%RSD		16.640	27.050	3.019	6.095	15.690	1.421

Icsa, 03/11/2011 21:52:02

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	96.797%	0.626	97.881%	0.000	91.049%	3.969	±0.000	95.407%
%RSD		0.000	0.000	1.930	10.550	0.729	0.000	5.335	1.401	±0.000	5.190

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		4.635	0.238	99.389%	0.062	0.037	91.189%
%RSD		23.260	11.470	2.581	30.850	23.510	0.636

icsab, 03/11/2011 21:56:17

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	93.227%	166.600	96.450%	0.000	89.724%	41.400	±0.000	93.700%
%RSD		0.000	0.000	1.475	3.237	1.760	0.000	5.855	3.803	±0.000	6.210

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-0.469	0.238	97.733%	0.041	0.097	89.782%
%RSD		72.760	19.750	2.689	67.860	11.120	2.373

RINSE, 03/11/2011 22:00:30

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	97.284%	1.098	98.754%	0.000	99.020%	0.116	±0.000	99.134%
%RSD		0.000	0.000	0.597	19.430	0.216	0.000	5.769	18.900	±0.000	5.580

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-1.772	0.594	100.117%	0.130	0.173	100.595%
%RSD		10.600	8.128	2.622	5.295	5.705	1.293

RINSE, 03/11/2011 22:04:43

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	97.929%	1.100	99.987%	0.000	100.231%	0.124	<0.000	101.298%
%RSD		0.000	0.000	2.864	0.920	1.670	0.000	6.969	7.381	<0.000	6.158

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-2.493	0.532	101.325%	0.114	0.163	101.410%
%RSD		5.865	4.243	2.801	1.837	2.147	1.923

MB 510-76967/1-A @10, 03/11/2011 22:08:56

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	100.529%	0.004	101.467%	0.000	100.885%	-0.006	<0.000	101.298%
%RSD		0.000	0.000	2.262	571.500	0.037	0.000	5.334	46.060	<0.000	4.764

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-4.070	0.112	100.975%	-0.026	-0.014	99.935%
%RSD		1.423	22.140	1.273	16.060	7.270	0.248

LCS 510-76967/2-A @10, 03/11/2011 22:13:11

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	111.558%	157.600	107.965%	0.000	104.461%	102.900	<0.000	105.498%
%RSD		0.000	0.000	2.554	5.484	0.823	0.000	5.723	5.060	<0.000	5.067

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		227.500	M 707.800	109.835%	T 384.800	345.700	105.961%
%RSD		5.533	M 7.730	1.275	T 3.095	6.299	1.348

510-62763-B-1-B @10, 03/11/2011 22:17:24

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	110.679%	10.410	111.333%	0.000	110.524%	0.006	ı0.000	110.170%
%RSD		0.000	0.000	3.377	6.507	2.390	0.000	6.538	164.800	ı0.000	6.189

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-2.568	27.580	109.491%	0.607	1.286	107.750%
%RSD		8.297	9.223	3.218	25.330	7.956	1.929

510-62763-B-1-C MS @10, 03/11/2011 22:21:41

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	101.169%	118.500	102.474%	0.000	98.440%	199.700	ı0.000	100.194%
%RSD		0.000	0.000	0.312	4.632	0.915	0.000	5.661	3.506	ı0.000	4.266

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		131.600	244.500	102.294%	108.800	107.400	99.608%
%RSD		3.032	5.241	0.784	3.286	3.939	0.320

510-62763-B-1-D MSD @10, 03/11/2011 22:25:56

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	101.665%	108.700	103.032%	0.000	98.492%	179.300	ı0.000	99.862%
%RSD		0.000	0.000	1.244	3.794	0.831	0.000	5.747	3.879	ı0.000	5.128

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		119.900	224.600	102.974%	100.000	98.120	99.886%
%RSD		3.279	5.642	2.066	4.039	4.143	0.931

510-62763-B-1-B sd @50, 03/11/2011 22:30:13

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	111.016%	1.937	110.376%	0.000	107.078%	0.076	±0.000	106.700%
%RSD		0.000	0.000	3.531	4.270	1.757	0.000	7.546	11.320	±0.000	6.800

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-3.990	5.241	105.689%	0.410	0.248	105.567%
%RSD		2.352	4.249	3.425	19.680	2.209	1.710

510-62763-B-1-B pds @10 qc723 1:100, 03/11/2011 22:34:29

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	122.889%	28.770	120.649%	0.000	114.076%	17.140	±0.000	113.925%
%RSD		0.000	0.000	0.938	0.360	0.421	0.000	6.293	1.287	±0.000	4.453

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		19.490	45.560	112.676%	18.310	19.260	109.681%
%RSD		2.895	2.652	2.025	1.384	0.864	1.638

510-62781-I-1-D @10, 03/11/2011 22:38:46

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	138.503%	40.080	129.352%	0.000	120.019%	1.251	±0.000	118.762%
%RSD		0.000	0.000	2.031	6.262	0.767	0.000	6.480	6.378	±0.000	5.240

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-2.483	225.100	118.403%	1.124	239.400	111.641%
%RSD		4.484	8.050	2.886	10.720	6.390	1.839

510-62781-I-1-E MS @10, 03/11/2011 22:43:02

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	115.644%	115.400	112.270%	0.000	104.410%	188.900	ı0.000	105.046%
%RSD		0.000	0.000	0.610	4.133	0.572	0.000	6.065	4.226	ı0.000	5.006

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		68.420	409.800	108.807%	104.700	129.300	102.152%
%RSD		4.536	7.088	2.141	4.756	5.231	0.813

510-62763-B-1-D MSD @10, 03/11/2011 22:47:19

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	114.085%	127.200	109.752%	0.000	102.096%	208.400	ı0.000	102.735%
%RSD		0.000	0.000	0.874	6.833	1.437	0.000	6.741	6.095	ı0.000	5.568

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		79.210	440.300	107.708%	116.100	148.200	101.045%
%RSD		6.167	8.033	2.390	5.735	6.774	0.959

CCV, 03/11/2011 22:51:34

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	112.339%	201.800	111.979%	0.000	105.059%	185.000	ı0.000	104.133%
%RSD		0.000	0.000	1.267	1.559	0.825	0.000	6.158	1.163	ı0.000	3.853

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		181.800	199.900	106.551%	201.900	193.300	104.780%
%RSD		7.935	0.473	1.403	1.510	1.108	0.909

CCB, 03/11/2011 22:55:47

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	113.683%	0.096	112.828%	0.000	106.312%	0.124	‹0.000	104.757%
%RSD		0.000	0.000	1.863	25.840	1.510	0.000	7.097	17.220	‹0.000	6.374

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		8.731	0.222	106.227%	0.278	0.100	104.087%
%RSD		28.860	4.571	3.077	4.392	5.701	2.406

510-62781-I-2-B @10, 03/11/2011 23:00:01

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	121.251%	10.640	117.971%	0.000	108.264%	1.228	‹0.000	108.251%
%RSD		0.000	0.000	0.799	8.923	0.545	0.000	6.010	4.902	‹0.000	4.830

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-0.635	87.560	110.444%	0.791	13.530	106.615%
%RSD		38.180	6.511	2.279	6.111	5.476	1.099

510-62781-I-3-B @10, 03/11/2011 23:04:19

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	125.421%	25.550	121.844%	0.000	111.177%	0.130	‹0.000	111.106%
%RSD		0.000	0.000	0.304	3.514	1.584	0.000	4.432	4.765	‹0.000	2.737

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-1.698	125.100	113.910%	0.206	92.240	109.295%
%RSD		4.755	3.096	1.371	3.339	3.063	0.972

510-62781-I-4-B @10, 03/11/2011 23:08:37

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	125.821%	10.320	121.117%	0.000	110.346%	0.057	<0.000	108.606%
%RSD		0.000	0.000	4.317	9.276	2.304	0.000	7.500	17.200	<0.000	6.409

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-3.493	63.990	112.496%	0.137	12.720	107.212%
%RSD		3.416	7.133	2.276	8.136	5.703	1.472

510-62781-I-5-B @10, 03/11/2011 23:12:56

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	121.468%	9.396	120.630%	0.000	109.307%	0.041	<0.000	109.681%
%RSD		0.000	0.000	1.040	8.839	1.664	0.000	7.640	30.090	<0.000	5.635

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		-4.151	52.160	112.182%	0.055	9.811	108.528%
%RSD		1.701	9.037	2.698	34.200	7.832	1.739

CCV, 03/11/2011 23:17:12

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	111.744%	204.900	114.211%	0.000	103.950%	186.100	<0.000	103.975%
%RSD		0.000	0.000	0.871	0.523	0.317	0.000	5.264	0.230	<0.000	3.807

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		179.400	202.000	107.393%	202.400	195.000	105.656%
%RSD		7.509	0.087	1.147	0.273	0.201	1.076

CCB, 03/11/2011 23:21:25

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	65Cu	72Ge	89Y	103Rh	107Ag	108MoO	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		0.000	0.000	114.110%	0.138	115.852%	0.000	105.681%	0.099	<0.000	106.014%
%RSD		0.000	0.000	0.888	35.610	0.393	0.000	5.648	15.090	<0.000	3.466

Run	Time	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb
X		8.469	0.245	108.226%	0.084	0.114	105.652%
%RSD		22.740	1.471	1.054	1.644	8.108	0.227

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\data\031111a 6020.tee
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/11/2011 16:26:23
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

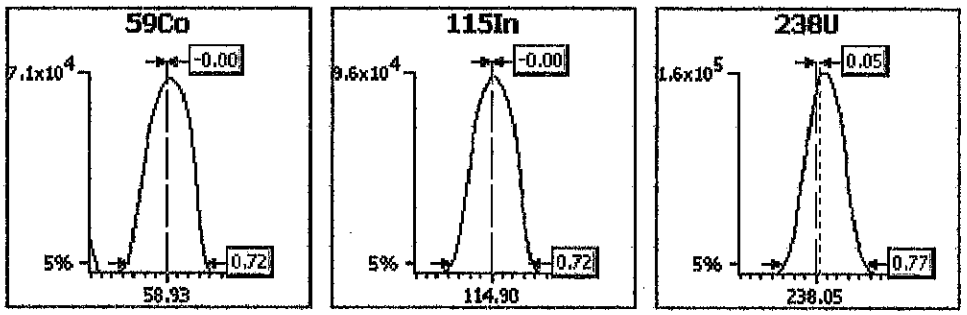
No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal2dig,	Fully Quant Standard	1.000	1	1	3	150
4	cal6,	Fully Quant Standard	1.000	1	1	4	150
5	ICV,	Unknown	1.000	0	1	1	150
6	ICB,	Unknown	1.000	0	1	2	144
7	icsa,	Unknown	1.000	1	1	6	150
8	icsab,	Unknown	1.000	1	1	7	150
9	RINSE,	Unknown	1.000	0	1	3	144
10	RINSE,	Unknown	1.000	0	1	3	144
11	MB 510-76967/1-A @10,	Unknown	1.000	2	1	1	150
12	LCS 510-76967/2-A @10,	Unknown	1.000	2	1	2	144
13	510-62763-B-1-B @10,	Unknown	1.000	2	1	3	144
14	510-62763-B-1-C MS @10,	Unknown	1.000	2	1	4	144
15	510-62763-B-1-D MSD @10,	Unknown	1.000	2	1	5	144
16	510-62763-B-1-B sd @50,	Unknown	1.000	2	1	6	144
17	510-62763-B-1-B pds @10 qc723 1:100,	Unknown	1.000	2	1	7	144
18	510-62781-I-1-D @10,	Unknown	1.000	2	1	8	144
19	510-62781-I-1-E MS @10,	Unknown	1.000	2	1	9	144
20	510-62763-B-1-D MSD @10,	Unknown	1.000	2	1	10	144
21	CCV,	Unknown	1.000	0	1	1	144
22	CCB,	Unknown	1.000	0	1	2	144
23	510-62781-I-2-B @10,	Unknown	1.000	2	1	11	144
24	510-62781-I-3-B @10,	Unknown	1.000	2	1	12	144
25	510-62781-I-4-B @10,	Unknown	1.000	2	1	13	144
26	510-62781-I-5-B @10,	Unknown	1.000	2	1	14	144
27	CCV,	Unknown	1.000	0	1	1	144
28	CCB,	Unknown	1.000	0	1	2	144

Performance Report

Sample details
Acquired at : 03/17/2011 09:01:52
Report name : XI Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.72	-0.00
115In	0.85	0.65	0.10	0.72	-0.00
238U	0.85	0.65	0.10	0.77	0.05

Sample details
Acquired at : 03/17/2011 09:01:52
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-90
Lens 1	-1.5
Focus	14.5
D1	-43.1
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.76
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1349
Horizontal	25
Vertical	415
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	160
High resolution	135
Analogue Detector	1902
PC Detector	3902

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	09:02:23	27842.371	72089.702	0.400	94759.808	10.500	428.010	112655.72	1950.809	0.200
2	09:03:04	27042.963	71175.541	0.600	94210.139	16.500	403.009	110629.06	1949.809	0.000
3	09:03:43	27058.609	71293.460	0.400	94009.579	10.500	391.008	111539.08	1906.800	0.000
4	09:04:23	27075.459	71423.474	0.600	93354.884	13.500	409.009	110940.83	1897.998	0.000
x		27254.851	71495.544	0.500	94083.602	12.750	407.759	111441.17	1926.354	0.050
σ		391.90	408.84	0.12	580.17	2.87	15.44	893.42	27.90	0.10
%RSD		1.438	0.572	23.094	0.617	22.528	3.786	0.802	1.448	200.000

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	09:02:23	152983.48
2	09:03:04	151633.64
3	09:03:43	151423.18
4	09:04:23	151126.30
x		151791.65
σ		821.36
%RSD		0.541

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	09:02:23	0.038	0.017
2	09:03:04	0.036	0.018
3	09:03:43	0.038	0.017
4	09:04:23	0.044	0.017
x		0.0392	0.0173
σ		0.00	0.00
%RSD		9.0653	1.4313

Result : The performance report passed.

```
   calb,   03/17/2011 10:06:05
User Pre-dilution: 1.000
Run Time      6Li       13C      45Sc     51V      65Cu      72Ge       89Y     103Rh  107Ag
               ppb       ppb       ppb     ppb       ppb       ppb       ppb       ppb    ppb
  x          0.000     0.000  100.000%  -0.000    -0.000  100.000%     0.000  100.000%  0.000
  %          0.000     0.000     1.818   0.000     0.000     0.572     0.000     3.783  0.000
RSD
Run Time  108Mo O     115In     121Sb   137Ba     159Tb     208Pb     209Bi
               ppb       ppb       ppb     ppb       ppb       ppb       ppb
  x          0.000  100.000%    -0.000  -0.000  100.000%     0.000  100.000%
           I
  %          0.000     3.010     0.000   0.000     0.880     0.000     1.458
           I
RSD
031711b 6020.tee
```

```
   cal2,   03/17/2011 10:09:07
User Pre-dilution: 1.000
Run Time      6Li      13C     45Sc        51V       65Cu       72Ge      89Y    103Rh      107Ag
               ppb      ppb      ppb        ppb        ppb        ppb      ppb      ppb        ppb
  x         0.000    0.000 88.862%    500.000    500.000   92.312%    0.000 92.814%    500.000
                                      M          M                                     M
  %         0.000    0.000   1.186      1.252      0.298     2.038    0.000   4.500      0.981
                                        M          M                                     M
RSD
Run Time  108Mo O    115In    121Sb      137Ba      159Tb      208Pb    209Bi
               ppb      ppb      ppb        ppb        ppb        ppb      ppb
  x         0.000 92.838%  447.600    500.000   93.012%    500.000 92.972%
           I                          M                    M
  %         0.000   4.733    2.348      0.540     2.730      1.401   3.360
           I                          M                     M
RSD
031711b 6020.tee
```

```
   cal6,   03/17/2011 10:12:10
User Pre-dilution: 1.000
Run Time      6Li      13C        45Sc      51V     65Cu     72Ge      89Y    103Rh   107Ag
                ppb      ppb         ppb      ppb      ppb      ppb      ppb      ppb     ppb
  x           0.000    0.000    88.314%    0.608    0.577  89.370%    0.000  89.143%   1.468
  %           0.000    0.000      2.789  108.300   97.450    1.917    0.000    4.623  27.880
RSD
Run Time  108Mo O    115In       121Sb    137Ba    159Tb    208Pb    209Bi
                ppb      ppb         ppb      ppb      ppb      ppb      ppb
  x           0.000  89.378%     500.000    1.740  89.997%    0.963  89.239%
              I                  M
  %           0.000    3.899       2.630   32.800    2.874   53.110    2.612
              I                  M
RSD
031711b 6020.tee
```

```
   ICV,   03/17/2011 10:22:23
User Pre-dilution: 1.000
Run Time       6Li        13C       45Sc       51V       65Cu       72Ge        89Y    103Rh    107Ag
                ppb        ppb        ppb       ppb        ppb        ppb        ppb      ppb      ppb
  x          0.000      0.000  98.149%  196.000  198.900  98.302%      0.000  97.293%  195.300
  %          0.000      0.000    0.685    0.358    0.902    0.476      0.000    4.392    1.902
RSD
Run Time  108Mo O     115In     121Sb    137Ba     159Tb     208Pb     209Bi
                ppb        ppb        ppb       ppb        ppb        ppb        ppb
  x          0.000  98.367%   233.100  200.300  98.421%   199.000  97.408%
            I
  %          0.000    3.209     1.327    0.783    2.092     0.448    1.848
            I
RSD
031711b 6020.tee
```

03/17/2011 16:51:00

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\TEMPLATES\TestAmerica All.tet
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/17/2011 16:12:52
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal6,	Fully Quant Standard	1.000	1	1	4	150
4	ICV,	Unknown	1.000	0	1	1	144
5	ICB,	Unknown	1.000	0	1	2	144
6	ICSA,	Unknown	1.000	1	1	6	150
7	ICSAB,	Unknown	1.000	1	1	7	150
8	RINSE,	Unknown	1.000	0	1	3	150
9	RINSE,	Unknown	1.000	0	1	3	150
10	mb 510-76967/1-a @10,	Unknown	1.000	3	4	1	150
11	LCS 510-76967/2-A @10,	Unknown	1.000	3	4	2	144
12	510-62763-B-1-B @10,	Unknown	1.000	3	4	3	144
13	510-62763-B-1-C MS @10,	Unknown	1.000	3	4	4	144
14	510-62763-B-1-D MSD @10,	Unknown	1.000	3	4	5	144
15	510-62781-I-1-D @10,	Unknown	1.000	3	4	6	144
16	510-62781-I-1-E MS @10,	Unknown	1.000	3	4	7	144
17	510-62781-I-1-F MSD @10,	Unknown	1.000	3	4	8	144
18	510-62781-I-1-D sd @50,	Unknown	1.000	3	4	9	144
19	510-62781-I-1-D pds @10 qc723 1:100,	Unknown	1.000	3	4	10	144
20	CCV,	Unknown	1.000	0	1	1	144
	031711b 6020.tee						
	03/17/2011 16:51:00						
21	CCB,	Unknown	1.000	0	1	2	144
22	510-62781-I-2-B @10,	Unknown	1.000	3	4	11	144
23	510-62781-I-3-B @10,	Unknown	1.000	3	4	12	144
24	510-62781-I-4-B @10,	Unknown	1.000	3	4	13	144
25	CCV,	Unknown	1.000	0	1	1	144
26	CCB,	Unknown	1.000	0	1	2	144
27	510-62781-I-5-B @10,	Unknown	1.000	3	4	14	144
28	CCV,	Unknown	1.000	0	1	1	144
29	CCB,	Unknown	1.000	0	1	2	144

031711b 6020.tee
03/17/2011 16:51:00

```
   ICB,   03/17/2011 10:26:20
User Pre-dilution: 1.000
Run Time       6Li       13C      45Sc     51V      65Cu      72Ge       89Y     103Rh    107Ag
                ppb       ppb       ppb     ppb       ppb       ppb       ppb       ppb      ppb
  x          0.000     0.000  87.905%  -1.142    -1.252  88.576%     0.000  88.630%    0.007
  %          0.000     0.000     3.937  69.650     3.458     2.784     0.000     5.442  261.700
RSD
Run Time   108Mo O     115In     121Sb   137Ba     159Tb     208Pb     209Bi
                ppb       ppb       ppb     ppb       ppb       ppb       ppb
  x          0.000  89.355%     4.044  -0.123  89.125%    -0.051  87.397%
            I
  %          0.000     5.218     3.397  10.810     3.724    31.320     3.277
            I
RSD
031711b 6020.tee
```

```
   ICSA,   03/17/2011 10:29:22
User Pre-dilution: 1.000
Run Time       6Li       13C      45Sc       51V      65Cu      72Ge       89Y     103Rh  107Ag
                ppb       ppb       ppb       ppb       ppb       ppb       ppb       ppb    ppb
  x           0.000     0.000   85.110%    -0.022    -0.599   91.435%     0.000   82.604%  4.206
  %           0.000     0.000     2.701   411.200     9.501     3.043     0.000     5.057  4.052
RSD
Run Time   108Mo O     115In     121Sb     137Ba     159Tb     208Pb     209Bi
                ppb       ppb       ppb       ppb       ppb       ppb       ppb
  x           0.000   86.902%     3.896     0.058   89.181%    -0.046   81.496%
             I
  %           0.000     4.953     3.067  135.500     2.850     2.189     2.798
             I
RSD
031711b 6020.tee
```

```
   ICSAB,   03/17/2011 10:32:29
User Pre-dilution: 1.000
Run Time       6Li       13C      45Sc      51V      65Cu      72Ge       89Y     103Rh   107Ag
                ppb       ppb       ppb      ppb       ppb       ppb       ppb       ppb     ppb
  x           0.000     0.000  89.419%  191.700   170.200  91.949%     0.000  83.254%  45.340
  %           0.000     0.000     2.815    1.157     0.897     1.481     0.000     4.620   0.220
RSD
Run Time   108Mo O     115In     121Sb    137Ba     159Tb     208Pb     209Bi
                ppb       ppb       ppb      ppb       ppb       ppb       ppb
  x           0.000  88.491%     1.953    0.022  89.751%     0.014  82.578%
             I
  %           0.000     3.688     6.245   37.790     2.684    97.870     1.779
             I
RSD
031711b 6020.tee
```

```
   mb 510-76967/1-a @10,   03/17/2011 10:41:39
User Pre-dilution: 1.000
Run Time       6Li        13C       45Sc      51V       65Cu       72Ge       89Y      103Rh  107Ag
                ppb        ppb        ppb      ppb        ppb        ppb        ppb        ppb    ppb
  x           0.000      0.000   99.678%  -1.039    -1.228   99.274%     0.000   99.984%  0.694
  %           0.000      0.000     2.049  17.840     4.944     1.090     0.000     3.802  8.969
RSD
Run Time   108Mo O     115In     121Sb   137Ba     159Tb     208Pb     209Bi
                ppb        ppb        ppb      ppb        ppb        ppb        ppb
  x           0.000   99.849%    -0.760   1.820   98.080%     0.081   95.802%
             I
  %           0.000     4.907     3.654   4.909     3.235    17.510     3.126
             I
RSD
031711b 6020.tee
```

LCS 510-76967/2-A @10, 03/17/2011 10:44:45
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	0.000	102.065%	199.200	141.600	99.583%	0.000	98.220%	96.700
%	0.000	0.000	0.918	1.974	0.742	1.963	0.000	3.773	0.621
RSD									

Run Time	108Mo O	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	98.765%	210.400	648.000	101.856%	317.000	96.162%
	I			M			
%	0.000	4.228	2.127	0.815	2.503	0.338	2.871
	I			M			
RSD							

031711b 6020.tee

```
   CCV,   03/17/2011 11:12:46
User Pre-dilution: 1.000
Run Time      6Li       13C      45Sc      51V      65Cu      72Ge      89Y     103Rh    107Ag
               ppb       ppb       ppb       ppb       ppb       ppb       ppb       ppb      ppb
  x         0.000     0.000  103.053%  191.400   205.200  102.442%    0.000  103.597%  194.900
  %         0.000     0.000     2.439    1.294     1.208     2.081    0.000     5.207    0.953
RSD
Run Time  108Mo O     115In     121Sb    137Ba     159Tb     208Pb    209Bi
               ppb       ppb       ppb       ppb       ppb       ppb      ppb
  x         0.000  103.159%   224.300  202.300  100.025%   202.400  95.495%
           I
  %         0.000     5.076     0.696    1.021     3.398     0.794    2.818
           I
RSD
031711b 6020.tee
```

```
   CCB,   03/17/2011 11:15:47
User Pre-dilution: 1.000
Run Time      6Li       13C      45Sc     51V      65Cu      72Ge      89Y     103Rh    107Ag
               ppb       ppb       ppb     ppb       ppb       ppb      ppb       ppb      ppb
  x         0.000     0.000  115.207%  -0.519    -1.312  110.059%    0.000  110.479%   -0.009
  %         0.000     0.000     4.277  54.900     2.023     2.853    0.000     6.537  142.100
RSD
Run Time  108Mo O     115In     121Sb   137Ba     159Tb     208Pb    209Bi
               ppb       ppb       ppb     ppb       ppb       ppb      ppb
  x         0.000  109.547%     4.990  -0.089  103.413%    -0.027  98.180%
           I
  %         0.000     5.921     0.979  28.180     3.413    72.660    2.347
           I
RSD
031711b 6020.tee
```

510-62781-I-2-B @10, 03/17/2011 11:18:52
User Pre-dilution: 1.000

Run Time		6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	0.000	0.000	113.806%	25.320	8.516	108.810%	0.000	108.814%	0.696
	%	0.000	0.000	2.226	1.820	3.168	2.877	0.000	5.379	0.904
RSD										

Run Time		108Mo O	115In	121Sb	137Ba	159Tb	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb	ppb
	x	0.000	108.804%	1.065	83.140	104.308%	13.080	97.808%
	I							
	%	0.000	5.677	4.550	4.755	3.451	3.665	3.352
	I							
RSD								

031711b 6020.tee

```
   510-62781-I-3-B @10,   03/17/2011 11:22:00
User Pre-dilution: 1.000
Run Time      6Li       13C      45Sc      51V      65Cu      72Ge       89Y     103Rh    107Ag
               ppb       ppb       ppb       ppb       ppb       ppb       ppb       ppb      ppb
  x         0.000     0.000  115.364%   27.740    23.020  111.439%     0.000  111.236%    0.002
  %         0.000     0.000     1.079    1.457     0.386     2.095     0.000     5.201  813.800
RSD
Run Time  108Mo O     115In     121Sb    137Ba     159Tb     208Pb     209Bi
               ppb       ppb       ppb       ppb       ppb       ppb       ppb
  x         0.000  110.863%     1.242 118.100  106.739%    88.690  101.185%
           I
  %         0.000     6.133     5.412    1.089     3.820     0.953     3.703
           I
RSD
031711b 6020.tee
```

510-62781-I-4-B @10, 03/17/2011 11:25:09
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	0.000	118.729%	34.510	7.996	112.473%	0.000	111.156%	0.143
%	0.000	0.000	2.861	0.407	0.174	2.553	0.000	5.353	13.190

RSD

Run Time	108Mo O	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	110.584%	-0.527	58.330	106.856%	11.230	100.653%
	I						
%	0.000	5.777	6.501	1.353	3.551	2.052	2.602
	I						

RSD
031711b 6020.tee

```
   CCV,   03/17/2011 11:28:14
User Pre-dilution: 1.000
Run Time      6Li      13C     45Sc      51V     65Cu     72Ge      89Y      103Rh    107Ag
                ppb      ppb      ppb      ppb      ppb      ppb      ppb        ppb      ppb
  x          0.000    0.000  97.527%  192.000  202.400  98.209%    0.000  100.316%  194.000
  %          0.000    0.000    5.011    2.063    0.630    2.824    0.000     4.890    1.168
RSD
Run Time  108Mo O    115In    121Sb    137Ba    159Tb    208Pb    209Bi
                ppb      ppb      ppb      ppb      ppb      ppb      ppb
  x          0.000  98.629%  226.400  201.800  97.401%  200.000  94.694%
            I
  %          0.000    5.551    0.608    0.682    3.369    1.468    3.207
            I
RSD
031711b 6020.tee
```

CCB, 03/17/2011 11:31:15
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	0.000	112.111%	-0.384	-1.359	109.279%	0.000	109.395%	-0.018
%	0.000	0.000	3.115	31.890	2.027	2.564	0.000	5.509	36.350
RSD									

Run Time	108Mo O	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	107.885%	4.849	-0.141	102.363%	-0.050	95.838%
	I						
%	0.000	5.500	1.526	5.797	3.597	32.610	2.671
	I						
RSD							

031711b 6020.tee

510-62781-I-5-B @10, 03/17/2011 15:07:01
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	0.000	77.562%	21.130	6.957	76.479%	0.000	82.181%	-0.038
%	0.000	0.000	1.565	2.589	3.936	1.058	0.000	5.658	28.520
RSD									

Run Time	108Mo O	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	89.256%	-0.798	47.270	92.386%	9.285	86.964%
	I						
%	0.000	4.862	5.459	2.164	3.262	0.799	1.806
	I						
RSD							

031711b 6020.tee

```
   CCV,   03/17/2011 15:10:06
User Pre-dilution: 1.000
Run Time       6Li        13C       45Sc       51V       65Cu       72Ge       89Y    103Rh    107Ag
                ppb        ppb        ppb       ppb        ppb        ppb       ppb      ppb      ppb
  x          0.000      0.000  79.977%  187.300  195.200  78.826%     0.000  86.023%  193.500
  %          0.000      0.000    2.848    1.986    0.861    2.048     0.000    6.482    0.262
RSD
Run Time  108Mo O     115In     121Sb    137Ba     159Tb     208Pb     209Bi
                ppb        ppb        ppb       ppb        ppb        ppb       ppb
  x          0.000  90.827%   228.100  198.000  90.926%   200.600  85.239%
            I
  %          0.000    5.500     0.743    1.708    3.488     1.227    2.622
            I
RSD
031711b 6020.tee
```

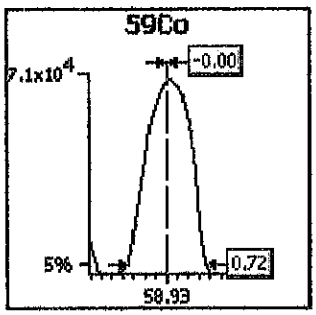
```
   CCB,   03/17/2011 15:13:08
User Pre-dilution: 1.000
Run Time       6Li       13C      45Sc     51V      65Cu      72Ge       89Y     103Rh   107Ag
                ppb       ppb       ppb     ppb       ppb       ppb       ppb       ppb     ppb
  x           0.000     0.000   80.879%  -0.720    -1.271   80.674%     0.000   87.069%   0.048
  %           0.000     0.000     2.530  90.920     6.703     2.204     0.000     6.958  74.310
RSD
Run Time   108Mo O     115In     121Sb   137Ba     159Tb     208Pb     209Bi
                ppb       ppb       ppb     ppb       ppb       ppb       ppb
  x           0.000   91.752%     4.817  -0.071   90.691%     0.010   84.585%
             I
  %           0.000     5.815     2.866  62.900     3.654   266.900     3.289
             I
RSD
031711b 6020.tee
```

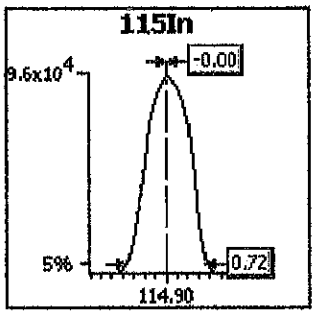
Performance Report

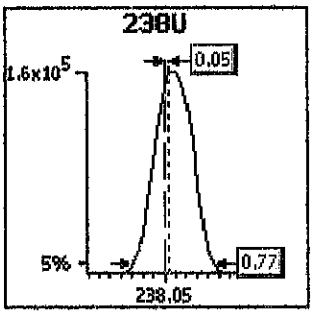
Sample details
Acquired at : 03/17/2011 09:01:52
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum







Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.72	-0.00
115In	0.85	0.65	0.10	0.72	-0.00
238U	0.85	0.65	0.10	0.77	0.05

77574
~~77572~~ 3/18/11
031711e.csv dt.
.txt

Sample details
Acquired at : 03/17/2011 09:01:52
Report name : Xl Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-90
Lens 1	-1.5
Focus	14.5
D1	-43.1
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.76
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1349
Horizontal	25
Vertical	415
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	160
High resolution	135
Analogue Detector	1902
PC Detector	3902

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	09:02:23	27842.371	72089.702	0.400	94759.808	10.500	428.010	112655.72	1950.809	0.200
2	09:03:04	27042.963	71175.541	0.600	94210.139	16.500	403.009	110629.06	1949.809	0.000
3	09:03:43	27058.609	71293.460	0.400	94009.579	10.500	391.008	111539.08	1906.800	0.000
4	09:04:23	27075.459	71423.474	0.600	93354.884	13.500	409.009	110940.83	1897.998	0.000
x		27254.851	71495.544	0.500	94083.602	12.750	407.759	111441.17	1926.354	0.050
σ		391.90	408.84	0.12	580.17	2.87	15.44	893.42	27.90	0.10
%RSD		1.438	0.572	23.094	0.617	22.528	3.786	0.802	1.448	200.000

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	09:02:23	152983.48
2	09:03:04	151633.64
3	09:03:43	151423.18
4	09:04:23	151126.30
x		151791.65
σ		821.36
%RSD		0.541

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	09:02:23	0.038	0.017
2	09:03:04	0.036	0.018
3	09:03:43	0.038	0.017
4	09:04:23	0.044	0.017
x		0.0392	0.0173
σ		0.00	0.00
%RSD		9.0653	1.4313

Result : The performance report passed.

```
   calb,   03/17/2011 16:43:54
User Pre-dilution: 1.000
Run Time      6Li   13C     45Sc      51V  65Cu     72Ge      89Y    103Rh 107Ag 108Mo O
                ppb   ppb      ppb      ppb   ppb      ppb      ppb      ppb   ppb     ppb
  x       100.000% 0.000 100.000%   -0.000 0.000 100.000% 100.000% 100.000% 0.000   0.000
                                                                                          I
  %          0.609 0.000    1.826    0.000 0.000    1.854    1.225    5.971 0.000   0.000
                                                                                          I
RSD
Run Time    115In 121Sb    137Ba    159Tb 208Pb    209Bi
                ppb   ppb      ppb      ppb   ppb      ppb
  x       100.000% 0.000    0.000 100.000% 0.000 100.000%
  %          4.941 0.000    0.000    2.304 0.000    2.851
RSD
```

```
   cal2,   03/17/2011 16:46:54
User Pre-dilution: 1.000
Run Time     6Li     13C      45Sc       51V      65Cu    72Ge     89Y   103Rh     107Ag 108Mo
              ppb     ppb       ppb       ppb       ppb     ppb     ppb     ppb       ppb     p
  x      94.935%   0.000   87.785%   500.000   500.000 88.502% 93.089% 92.819%   500.000   0.0
                                     M         M                              M         I
  %        3.398   0.000     2.841     1.297     0.319   4.072   2.627   6.548     0.884   0.0
                                       M         M                                M       I
RSD
Run Time   115In   121Sb     137Ba     159Tb     208Pb   209Bi
              ppb     ppb       ppb       ppb       ppb     ppb
  x      93.595% 467.400   500.000   95.973%   500.000 99.298%
                         M                   M
  %        6.945   0.214     1.194     4.558     0.371   4.916
                           M                   M
RSD
```

```
   cal2dig,   03/17/2011 16:49:55
User Pre-dilution: 1.000
Run Time     6Li       13C       45Sc       51V       65Cu    72Ge     89Y   103Rh   107Ag 108Mo
              ppb       ppb       ppb       ppb       ppb     ppb     ppb     ppb     ppb     p
  x       92.772%     0.000   86.619%   516.000   521.800 87.979% 90.734% 91.268% 427.800   0.0
                                        M         M                                         I
  %         3.367     0.000     4.832     1.254     0.668   3.215   1.464   7.161   0.897   0.0
                                        M         M                                         I
RSD
Run Time   115In     121Sb     137Ba     159Tb     208Pb   209Bi
              ppb       ppb       ppb       ppb       ppb     ppb
  x       92.709%   500.000   518.500   93.664%   516.800 99.962%
                  M         M                   M
  %         7.169     0.140     1.370     4.119     0.876   4.820
                    M         M                   M
RSD
```

```
   cal6,   03/17/2011 16:52:57
User Pre-dilution: 1.000
Run Time      6Li     13C     45Sc      51V   65Cu      72Ge      89Y    103Rh 107Ag 108Mo O
               ppb     ppb      ppb      ppb    ppb       ppb      ppb      ppb   ppb      ppb
  x       94.185%   0.000 88.706%    0.234  0.313  89.301% 92.787% 92.621% 0.752    0.000
                                                                                          I
  %         2.374   0.000   3.778   96.700 15.650     3.762    3.321    6.753 3.062    0.000
                                                                                          I
RSD
Run Time    115In   121Sb    137Ba    159Tb  208Pb     209Bi
               ppb     ppb      ppb      ppb    ppb       ppb
  x       93.629% 351.900    0.889 94.775%  0.094 102.661%
  %         7.282   2.247    8.140   4.760  7.351     4.055
RSD
```

ICV, 03/17/2011 16:55:58
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	92.028%	0.000	88.551%	195.700	204.700	90.204%	91.424%	92.877%	198.000	0.000	I
%	1.218	0.000	3.111	0.722	0.839	3.328	0.919	6.234	0.510	0.000	I

RSD

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	93.583%	182.500	203.000	95.398%	199.900	104.321%
%	5.473	1.632	0.819	3.384	0.209	3.359

RSD

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\data\031711b 6020.tee
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/18/2011 07:27:59
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal2dig,	Fully Quant Standard	1.000	1	1	3	144
4	cal6,	Fully Quant Standard	1.000	1	1	4	150
5	ICV,	Unknown	1.000	0	1	1	144
6	ICB,	Unknown	1.000	0	1	2	144
7	ICSA,	Unknown	1.000	1	1	6	150
8	ICSAB,	Unknown	1.000	1	1	7	150
9	RINSE,	Unknown	1.000	0	1	3	150
10	RINSE,	Unknown	1.000	0	1	3	150
11	mb 510-76967/1-a @10,	Unknown	1.000	3	4	1	150
12	LCS 510-76967/2-A @10,	Unknown	1.000	3	4	2	144
13	510-62781-I-1-D @10,	Unknown	1.000	3	4	6	144
14	510-62781-I-1-E MS @10,	Unknown	1.000	3	4	7	144
15	510-62781-I-1-F MSD @10,	Unknown	1.000	3	4	8	144
16	510-62781-I-1-D sd @50,	Unknown	1.000	3	4	9	144
17	510-62781-I-1-D pds @10 qc723 1:100,	Unknown	1.000	3	4	10	144
18	CCV,	Unknown	1.000	0	1	1	144
19	CCB,	Unknown	1.000	0	1	2	144
20	510-62781-I-2-B @10,	Unknown	1.000	3	4	11	144
21	510-62781-I-3-B @10,	Unknown	1.000	3	4	12	144
22	510-62781-I-4-B @10,	Unknown	1.000	3	4	13	144
23	510-62781-I-5-B @10,	Unknown	1.000	3	4	14	144
24	CCV,	Unknown	1.000	0	1	1	144
25	CCB,	Unknown	1.000	0	1	2	144

```
   ICB,   03/17/2011 16:59:00
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc      51V   65Cu     72Ge      89Y    103Rh  107Ag  108Mo O
               ppb    ppb      ppb      ppb    ppb      ppb      ppb      ppb    ppb      ppb
  x       96.089%  0.000  90.968%    0.605  0.247  91.103%  92.933%  92.877% -0.046    0.000
                                                                                        I
  %         1.679  0.000    2.387  113.600 16.280    2.539    0.999    5.713 40.730    0.000
                                                                                        I
RSD
Run Time    115In 121Sb    137Ba    159Tb  208Pb    209Bi
               ppb    ppb      ppb      ppb    ppb      ppb
  x       93.637%  3.838    0.061  93.949%  0.040  99.960%
  %         6.663  5.125   38.810    5.094 11.500    3.141
RSD
```

ICSA, 03/17/2011 17:02:01
User Pre-dilution: 1.000

Run Time	6Li ppb	13C ppb	45Sc ppb	51V ppb	65Cu ppb	72Ge ppb	89Y ppb	103Rh ppb	107Ag ppb	108Mo ppb	O I
x	90.471%	0.000	85.688%	0.207	0.762	88.880%	83.415%	81.639%	4.052	0.000	
%	1.510	0.000	3.416	480.400	13.690	3.372	1.473	6.358	1.114	0.000	
RSD											I

Run Time	115In ppb	121Sb ppb	137Ba ppb	159Tb ppb	208Pb ppb	209Bi ppb
x	86.256%	0.693	0.181	86.502%	0.034	81.942%
%	6.451	24.980	40.360	3.573	70.150	3.851
RSD						

```
   ICSAB,   03/17/2011 17:05:03
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc      51V    65Cu     72Ge      89Y    103Rh  107Ag 108Mo O
               ppb    ppb      ppb      ppb     ppb      ppb      ppb      ppb    ppb      ppb
  x       87.924%  0.000 84.384%  187.000 170.300 87.045% 84.104% 79.931% 44.430    0.000
                                                                                        I
  %         1.175  0.000   1.512    2.295   1.292   1.940    1.347    5.612  0.838    0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba    159Tb   208Pb    209Bi
               ppb    ppb      ppb      ppb     ppb      ppb
  x       84.688% -2.249    0.171 84.495%   0.069 77.727%
  %         5.627  2.552   14.870   3.773   8.419   3.986
RSD
```

```
   mb 510-76967/1-a @10,   03/17/2011 17:14:11
User Pre-dilution: 1.000
Run Time      6Li    13C    45Sc     51V   65Cu     72Ge      89Y   103Rh  107Ag 108Mo O
                ppb    ppb     ppb     ppb    ppb      ppb      ppb     ppb    ppb     ppb
  x       101.014%  0.000 99.626%  -0.551 -0.078  99.213% 101.078% 99.534%  0.563   0.000
                                                                                          I
  %          3.107  0.000   4.054 115.300 44.420    2.625    2.736   5.973 10.060   0.000
                                                                                          I
RSD
Run Time    115In  121Sb   137Ba   159Tb  208Pb    209Bi
                ppb    ppb     ppb     ppb    ppb      ppb
  x        99.692% -5.035   1.954 98.942%  0.103 103.580%
  %          5.532  0.665   5.902   3.602  2.320    3.254
RSD
```

LCS 510-76967/2-A @10, 03/17/2011 17:17:16
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	99.803%	0.000	102.671%	199.900	143.200	99.748%	475.018%	97.383%	97.560	0.000	I
%	3.460	0.000	2.730	0.486	1.573	1.705	0.401	6.052	1.695	0.000	I
RSD											

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	98.744%	143.700	653.000	101.646%	308.400	105.098%
			M			
%	5.845	0.789	2.230	3.702	1.433	3.716
			M			
RSD						

510-62781-I-1-D @10, 03/17/2011 17:20:22
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	105.425%	0.000	111.175%	40.830	41.360	107.693%	369.473%	102.864%	-0.106	0.000	
											I
%	1.216	0.000	4.268	1.663	1.144	2.228	0.558	6.066	11.360	0.000	
											I
RSD											

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	103.346%	-3.973	235.900	101.637%	242.900	100.759%
%	5.549	1.911	1.690	3.366	1.442	4.089
RSD						

```
   510-62781-I-1-E MS @10,   03/17/2011 17:23:30
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc     51V    65Cu    72Ge      89Y   103Rh   107Ag 108Mo O
               ppb    ppb      ppb     ppb     ppb     ppb      ppb     ppb     ppb     ppb
  x      100.285%  0.000 101.397% 136.700 118.300 98.014% 393.379% 96.002% 205.800   0.000
                                                                                        I
  %          1.360  0.000    4.098   2.277   2.297   3.183    1.512   5.729   1.445   0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba   159Tb   208Pb   209Bi
               ppb    ppb      ppb     ppb     ppb     ppb
  x        96.280% 55.820  429.200 98.479% 135.800 92.943%
  %          4.890  0.723    1.631   4.241   1.893   4.139
RSD
```

510-62781-I-1-F MSD @10, 03/17/2011 17:26:36
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	101.258%	0.000	101.738%	132.700	116.200	97.446%	371.160%	94.146%	204.600	0.000	
%	3.577	0.000	3.991	0.907	2.685	3.773	1.275	6.016	1.089	0.000	
RSD											

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	94.798%	57.420	414.800	96.215%	141.300	89.678%
%	6.766	0.949	2.690	4.925	1.481	4.495
RSD						

```
   510-62781-I-1-D sd @50,   03/17/2011 17:29:44
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc     51V   65Cu     72Ge      89Y    103Rh  107Ag 108Mo O
               ppb    ppb      ppb     ppb    ppb      ppb      ppb      ppb    ppb     ppb
  x      109.196%  0.000 109.256%   9.280  8.589 108.707% 163.068% 104.459% -0.205   0.000
                                                                                        I
  %          3.813  0.000    5.057   4.985  0.833    3.172    3.026    6.218  7.283   0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba   159Tb  208Pb    209Bi
               ppb    ppb      ppb     ppb    ppb      ppb
  x      102.562% -5.095   48.050 97.918% 47.000  97.321%
  %          5.961  1.191    1.562   4.769  0.707    3.904
RSD
```

```
   510-62781-I-1-D pds @10 qc723 1:100,   03/17/2011 17:32:51
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc     51V    65Cu     72Ge      89Y   103Rh  107Ag 108Mo O
               ppb    ppb      ppb     ppb     ppb      ppb      ppb     ppb    ppb     ppb
  x      102.575%  0.000 106.480%  60.400  62.130 103.838% 355.454% 97.750% 19.480   0.000
                                                                                        I
  %          3.973  0.000    4.313   2.404   1.571    3.457    2.167   5.870  0.396   0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba   159Tb   208Pb    209Bi
               ppb    ppb      ppb     ppb     ppb      ppb
  x        98.412% 15.690  259.000 97.697% 267.300  93.984%
  %          5.308  2.044    1.501   3.545   1.102    3.961
RSD
```

CCV, 03/17/2011 17:35:56
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	99.627%	0.000	97.151%	200.000	209.600	97.038%	99.720%	96.630%	200.600	0.000	
%	1.881	0.000	4.105	0.513	0.529	3.014	3.636	6.701	0.216	0.000	

I

I

RSD

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	96.095%	159.700	209.400	94.351%	203.900	93.119%
%	6.671	1.736	1.357	4.865	1.059	3.765

RSD

```
   CCB,   03/17/2011 17:38:58
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc      51V   65Cu     72Ge      89Y    103Rh  107Ag 108Mo O
               ppb    ppb      ppb      ppb    ppb      ppb      ppb      ppb    ppb     ppb
  x      107.050%  0.000 101.216%   -0.758  0.285 108.251% 108.886% 108.154% -0.222   0.000
                                                                                        I
  %         4.620  0.000    2.810   73.750 17.270    3.598    2.545    5.754  9.119   0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba    159Tb  208Pb    209Bi
               ppb    ppb      ppb      ppb    ppb      ppb
  x      105.123% -0.765    0.030 103.438%  0.053 102.764%
  %         6.206 11.710   87.590    3.151 23.140    4.200
RSD
```

CCV, 03/17/2011 17:54:34
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	51V	65Cu	72Ge	89Y	103Rh	107Ag	108Mo	O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	100.208%	0.000	91.323%	203.700	213.000	98.910%	99.790%	97.851%	202.200	0.000	I
%	2.111	0.000	4.784	1.568	1.434	3.151	3.304	6.143	1.186	0.000	I

RSD

Run Time	115In	121Sb	137Ba	159Tb	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb
x	97.000%	160.300	213.100	97.926%	204.700	99.829%
%	5.582	0.994	0.966	4.388	1.281	5.131

RSD

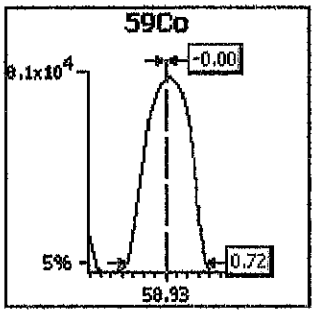
```
   CCB,   03/17/2011 17:57:35
User Pre-dilution: 1.000
Run Time      6Li    13C     45Sc     51V   65Cu     72Ge      89Y    103Rh  107Ag 108Mo O
                ppb    ppb      ppb     ppb    ppb      ppb      ppb      ppb    ppb     ppb
  x      106.120%  0.000 100.629%   0.353  0.284 102.539% 105.122% 102.193% -0.205   0.000
                                                                                        I
  %          4.933  0.000    6.159  51.950 26.860    5.321    4.425    5.807  3.663   0.000
                                                                                        I
RSD
Run Time    115In  121Sb    137Ba   159Tb  208Pb    209Bi
                ppb    ppb      ppb     ppb    ppb      ppb
  x      101.355% -0.856    0.112 99.971%  0.079 103.660%
  %          5.438 15.260   11.950   3.827  5.579    4.900
RSD
```

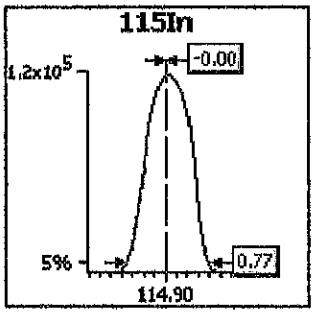
Performance Report

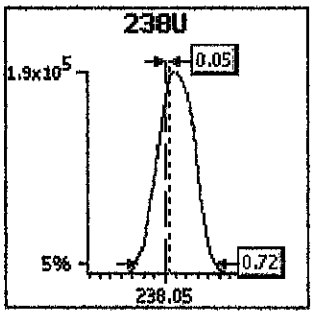
Sample details
Acquired at : 03/18/2011 08:53:21
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum







Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.72	-0.00
115In	0.85	0.65	0.10	0.77	-0.00
238U	0.85	0.65	0.10	0.72	0.05

03181xcsv

Sample details
Acquired at : 03/18/2011 08:53:21
Report name : XI Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-90
Lens 1	-1.5
Focus	14.5
D1	-43.1
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.76
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1349
Horizontal	25
Vertical	415
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	160
High resolution	135
Analogue Detector	1902
PC Detector	3902

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	08:53:52	30083.895	80652.183	1.000	114633.72	23.000	527.015	135458.74	2140.452	0.100
2	08:54:32	30278.540	80271.838	1.600	113175.62	22.500	472.012	134780.77	2118.247	0.100
3	08:55:12	30155.532	79406.287	0.600	112342.38	15.500	498.014	133229.15	2087.840	0.100
4	08:55:52	30035.134	79688.742	1.000	111748.12	17.500	490.013	132016.65	2137.451	0.200
x		30138.275	80004.762	1.050	112974.96	19.625	496.764	133871.33	2120.997	0.125
σ		105.78	562.29	0.41	1251.27	3.71	22.91	1549.10	24.20	0.05
%RSD		0.351	0.703	39.268	1.108	18.880	4.612	1.157	1.141	40.000

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	08:53:52	175674.64
2	08:54:32	174025.37
3	08:55:12	172349.40
4	08:55:52	171288.12
x		173334.38
σ		1924.55
%RSD		1.110

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	08:53:52	0.043	0.016
2	08:54:32	0.071	0.016
3	08:55:12	0.039	0.016
4	08:55:52	0.057	0.016
x		0.0526	0.0158
σ		0.01	0.00
%RSD		27.7504	1.4948

Result : The performance report passed.

calb, 03/18/2011 18:40:25
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	100.000%	0.000	0.000	0.000	-0.000	0.000	0.000	-0.000	-0.000	100.000%
%	1.987	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.656
RSD										

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	72Ge
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	-0.000	0.000	0.000	0.000	-0.000	0.000	0.000	0.000	100.000%
%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.028
RSD										

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	115In
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	-0.000	-0.000	-0.000	0.000	0.000	100.000%	0.000 I	0.000 I	0.000	100.000%
%	0.000	0.000	0.000	0.000	0.000	6.632	0.000 I	0.000 I	0.000	6.346
RSD										

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	-0.000	0.000	-0.000	100.000%	-0.000	0.000	100.000%
%	0.000	0.000	0.000	4.393	0.000	0.000	3.635
RSD							

cal2, 03/18/2011 18:44:48
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	96.741%	500.000	0.000	500.000	500.000	500.000	500.000	500.000	500
		M		M	M	M	M	M	M
%	2.068	1.780	0.000	0.859	1.108	0.952	1.260	7.196	2
		M		M	M	M	M	M	M
RSD									

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	0.104	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500
		M	M	M	M	M	M	M	M
%	40.440	0.260	0.503	1.119	0.359	0.939	0.812	0.453	0
		M	M	M	M	M	M	M	M
RSD									

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	1
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	500.000	500.000	-0.994	0.000	-0.142	97.798%	0.000	0.000	500
	M	M					I	I	M
%	1.343	1.670	19.300	0.000	10.690	7.324	0.000	0.000	1
	M	M					I	I	M
RSD									

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	0.028	405.900	500.000	97.926%	500.000	500.000	98.770%	
		M		TM	M			
%	130.800	5.236	2.152	4.796	2.007	1.829	4.639	
		M		TM	M			
RSD								

```
   cal6,   03/18/2011 18:49:11
User Pre-dilution: 1.000
Run Time       6Li       9Be       13C     23Na      25Mg     27Al      39K    43Ca    44Ca
                ppb       ppb       ppb      ppb       ppb      ppb      ppb     ppb     ppb
  x       100.269%    -0.109     0.000  -18.920    -2.437   -3.799  -53.840 -11.970 -21.530 10
  %          2.818     5.464     0.000    3.403     5.542    1.477    2.114  22.970   1.953
RSD
Run Time      47Ti       51V      52Cr     55Mn      56Fe     59Co     60Ni    65Cu    66Zn
                ppb       ppb       ppb      ppb       ppb      ppb      ppb     ppb     ppb
  x        500.000    -0.037    -0.513   -0.189    -7.692    1.065   -0.237  -0.040  -2.690 10
         M
  %          0.896  1124.000     9.430    3.298    16.050    1.974   17.050  79.970   1.215
           M
RSD
Run Time      75As      78Se      88Sr      89Y      95Mo    103Rh    107Ag 108Mo O   111Cd
                ppb       ppb       ppb      ppb       ppb      ppb      ppb     ppb     ppb
  x         -0.089     0.287   500.000    0.000   500.000 102.739%    0.000   0.000  -0.028 10
                             M                 M                    I       I
  %        328.500    16.280     1.186    0.000     1.902    6.403    0.000   0.000 447.300
                              M                 M                    I       I
RSD
Run Time     118Sn     121Sb     137Ba    159Tb     205Tl    208Pb    209Bi
                ppb       ppb       ppb      ppb       ppb      ppb      ppb
  x        500.000   500.000     0.523 102.155%    -0.334   -0.351 101.946%
         M         M
  %          0.619     4.170    18.040    3.925     2.064    0.939    3.375
           M         M
RSD
```

ICV, 03/18/2011 18:53:33
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	98.839%	199.700	0.000	176.900	198.900	195.800	2072.000	284.700	222.100	101.
							M			
%	3.482	1.043	0.000	1.865	1.752	1.140	0.678	2.258	1.481	0
							M			
RSD										

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	202.600	192.800	187.800	191.100	183.300	196.900	202.400	201.300	191.900	99.
%	0.354	0.115	0.612	0.221	1.706	0.494	0.534	1.570	0.406	0
RSD										

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	1
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	199.700	197.100	17800.000	0.000	202.800	101.313%	0.000	0.000	202.900	100.
			M				I	I		
%	0.544	0.675	2.287	0.000	1.665	6.289	0.000	0.000	0.877	5
			M				I	I		
RSD										

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	202.900	203.500	195.700	100.337%	205.400	195.400	99.394%
%	0.843	3.342	0.433	4.543	0.457	0.334	2.902
RSD							

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\TEMPLATES\TestAmerica All.tet
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/21/2011 07:20:04
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal6,	Fully Quant Standard	1.000	1	1	3	144
4	ICV,	Unknown	1.000	1	1	4	144
5	ICB,	Unknown	1.000	1	1	5	144
6	ICSA,	Unknown	1.000	1	1	6	144
7	ICSAB,	Unknown	1.000	1	1	7	144
8	RINSE,	Unknown	1.000	1	1	8	144
9	RINSE,	Unknown	1.000	1	1	9	144
10	671698 @10,	Unknown	1.000	1	1	10	144
11	671699 @10,	Unknown	1.000	1	1	11	144
12	510-62781-I-1-D @10,	Unknown	1.000	1	1	12	144
13	510-62781-I-1-E MS @10,	Unknown	1.000	1	1	13	144
14	510-62781-I-1-F MSD @10,	Unknown	1.000	1	1	14	144
15	510-62781-I-1-D pds @10 qc723 1:100,	Unknown	1.000	1	1	15	144
16	510-62781-I-1-D sd @50,	Unknown	1.000	1	2	1	144
17	510-62781-I-2-B @10,	Unknown	1.000	1	2	2	144
18	510-62781-I-3-B @10,	Unknown	1.000	1	2	3	144
19	510-62781-I-4-B @10,	Unknown	1.000	1	2	4	144
20	ccv,	Unknown	1.000	1	2	5	144
21	ccb,	Unknown	1.000	1	2	6	144
22	510-62781-I-5-B @10,	Unknown	1.000	1	2	7	144
23	ccv,	Unknown	1.000	1	2	8	144
24	ccb,	Unknown	1.000	1	2	9	144
25	672837,	Unknown	1.000	1	2	10	144
26	672838,	Unknown	1.000	1	2	11	144
27	62903g1a,	Unknown	1.000	1	2	12	144
28	62922c1a @5,	Unknown	1.000	1	2	13	144
29	62900c1a,	Unknown	1.000	1	2	14	144
30	62900c1b du,	Unknown	1.000	1	2	15	144
31	62900c1c ms,	Unknown	1.000	1	3	1	144
32	ccv,	Unknown	1.000	1	3	2	144
33	ccb,	Unknown	1.000	1	3	3	144
34	MB 510-77218/1-A,	Unknown	1.000	1	3	4	144
35	LCS 510-77218/2-A,	Unknown	1.000	1	3	5	144

36	510-63000-B-1-A,	Unknown	1.000	1	3	6	144
37	510-63003-C-1-A,	Unknown	1.000	1	3	7	144
38	510-63007-G-4-A,	Unknown	1.000	1	3	8	144
39	510-63007-G-8-A,	Unknown	1.000	1	3	9	144
40	510-63007-F-4-A,	Unknown	1.000	1	3	10	144
41	510-63007-F-8-A,	Unknown	1.000	1	3	11	144
42	510-63007-E-11-A,	Unknown	1.000	1	3	12	144
43	510-63007-E-13-A,	Unknown	1.000	1	3	13	144
44	ccv,	Unknown	1.000	1	3	14	144
45	ccb,	Unknown	1.000	1	3	15	144
46	510-63007-E-15-A,	Unknown	1.000	1	4	1	144
47	510-63007-E-15-B DU,	Unknown	1.000	1	4	2	144
48	510-63007-E-15-C MS,	Unknown	1.000	1	4	3	144
49	510-63007-E-17-A,	Unknown	1.000	1	4	4	144
50	510-63007-E-17-B DU,	Unknown	1.000	1	4	5	144
51	510-63007-E-17-C MS,	Unknown	1.000	1	4	6	144
52	510-63007-E-19-A,	Unknown	1.000	1	4	7	144
53	510-63016-C-1-A,	Unknown	1.000	1	4	8	144
54	510-63018-A-1-A,	Unknown	1.000	1	4	9	144
55	510-63022-B-1-A,	Unknown	1.000	1	4	10	144
56	ccv,	Unknown	1.000	1	4	11	144
57	ccb,	Unknown	1.000	1	4	12	144
58	510-63023-B-1-A,	Unknown	1.000	1	4	13	144
59	510-63024-B-1-A,	Unknown	1.000	1	4	14	144
60	510-63025-B-1-A,	Unknown	1.000	1	4	15	144
61	510-63026-B-1-A,	Unknown	1.000	1	5	1	144
62	510-63001-C-1-C,	Unknown	1.000	1	5	2	144
63	ccv,	Unknown	1.000	1	5	3	144
64	ccb,	Unknown	1.000	1	5	4	144

ICB, 03/18/2011 18:57:56
User Pre-dilution: 1.000

Run	Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		103.537%	-0.064	0.000	-19.210	-3.072	-1.992	-51.450	-7.734	-15.920	104.132%
%		1.275	17.600	0.000	4.978	2.428	3.470	1.850	68.240	13.200	1.461
RSD											

Run	Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	72Ge
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.110	0.029	-0.143	-0.074	-8.754	-0.342	-0.181	-0.113	-2.206	101.537%
%		9.939	463.800	10.810	4.602	9.722	2.390	27.960	21.830	6.092	0.550
RSD											

Run	Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		-0.055	-0.041	0.289	0.000	1.010	103.357%	0.000	0.000	-0.033	102.580%
								I	I		
%		428.400	231.100	385.000	0.000	19.680	6.563	0.000	0.000	50.240	5.442
								I	I		
RSD											

Run	Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.979	20.300	-0.163	101.349%	-0.251	-0.257	99.518%
%		20.830	14.520	8.079	4.881	2.489	3.423	4.638
RSD								

ICSA, 03/18/2011 19:02:19
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	99.143%	-0.083	0.000	117800.000	48960.000	48160.000	51270.000
			TM	TM	TM	TM	M
%	1.722	4.717	0.000	2.540	1.034	0.867	0.794
			TM	TM	TM	TM	
RSD							

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	997.500	0.474	1.642	0.012	103700.000	0.500	1.232
	M				TM		
%	0.767	50.190	6.074	113.900	1.241	3.602	3.906
	M				TM		
RSD							

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	-0.616	-0.287	557.600	0.000	993.400	95.980%	0.000
			M		M		I
%	5.588	25.200	2.774	0.000	2.097	6.250	0.000
			M		M		I
RSD							

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.631	9.146	-0.013	101.436%	-0.297	-0.262	96.161%
%	12.630	13.770	181.400	4.226	3.738	4.321	3.957
RSD							

ICSAB, 03/18/2011 19:06:42
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	93.174%	-0.108	0.000	110400.000	48770.000	48040.000	51210.000
			TM	TM	TM	TM	M
%	5.223	2.747	0.000	0.835	0.772	1.544	1.538
			TM	TM	TM	TM	
RSD							

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	987.300	182.900	181.300	174.700	102100.000	173.300	175.700
	M				TM		
%	0.053	0.561	1.237	0.358	0.308	0.440	0.928
	M				TM		
RSD							

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	86.820	82.650	560.200	0.000	999.300	95.922%	0.000
		M			M		I
%	0.560	1.584	0.775	0.000	1.656	4.637	0.000
		M			M		I
RSD							

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.381	3.358	0.132	103.843%	-0.314	-0.268	98.288%
%	16.840	6.313	30.120	3.943	2.382	1.183	2.751
RSD							

671698 @10, 03/18/2011 19:19:53
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	99.188%	-0.124	0.000	37.480	-1.274	-3.294	33.900	8.936	0.035	104.653%
%	2.157	10.100	0.000	19.660	14.420	6.390	26.800	106.500	10610.000	0.864
RSD										

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	72Ge
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.191	0.640	-0.602	0.469	-10.340	1.792	-0.236	-0.236	-2.206	106.655%
%	51.500	75.670	5.028	9.065	5.464	15.100	4.266	20.620	10.380	0.749
RSD										

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	115In
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	-0.199	-0.314	-0.065	0.000	0.441	110.186%	0.000	0.000	-0.141	110.998%
							I	I		
%	76.670	33.560	1061.000	0.000	33.430	5.653	0.000	0.000	6.002	5.703
							I	I		
RSD										

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	4.477	-0.786	-0.155	111.039%	-0.373	-0.360	109.962%
%	11.240	10.500	33.610	3.706	1.443	1.222	3.241
RSD							

671699 @10, 03/18/2011 19:24:20
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43C
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	pp
x	99.676%	176.100	0.000	1345.000	5437.000	16050.000	5410.000	12630.00
				M	M	TM	M	M
%	3.044	0.888	0.000	0.796	2.419	2.040	2.012	1.50
				M	M	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65C
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	pp
x	363.200	196.400	168.400	832.300	20190.000	261.700	213.900	139.50
				TM	TM			
%	2.335	1.296	0.652	0.639	1.009	0.579	0.305	0.37
				TM	TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	pp
x	208.800	399.700	20020.000	0.000	171.800	110.692%	0.000	0.00
			M				I	I
%	0.336	0.291	1.949	0.000	2.121	5.735	0.000	0.00
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	265.900	172.200	627.100	115.256%	352.600	301.300	112.667%
			M				
%	0.689	0.473	0.461	3.712	0.453	0.573	3.300
			M				
RSD							

510-62781-I-1-D @10, 03/18/2011 19:28:47
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	116.370%	2.195	0.000	296.100	1774.000	23330.000	2158.000	4788.000
					M	TM	M	M
%	1.243	3.748	0.000	1.674	1.078	0.823	0.744	0.571
					M	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	389.400	38.950	19.920	846.900	46330.000	10.020	31.380	40.220
				TM	TM			
%	1.791	1.786	1.246	0.884	0.071	0.536	0.852	1.057
				TM	TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	8.420	2.121	7939.000	0.000	5.719	124.458%	0.000	0.000
			M				I	I
%	3.841	6.440	3.342	0.000	3.000	5.945	0.000	0.000
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	5.074	0.301	220.600	118.166%	0.532	226.700	112.398%
%	1.806	15.300	1.487	4.556	14.320	0.297	3.055
RSD							

510-62781-I-1-E MS @10, 03/18/2011 19:33:15
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	109.901%	100.600	0.000	9628.000	12490.000	13980.000	13500.000	1161
				TM	M	TM	TM	M
%	1.476	2.566	0.000	3.465	1.097	0.396	2.600	
RSD				TM	M	TM	TM	M

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	394.600	126.600	108.300	1179.000	14570.000	103.600	112.700	10
				TM	TM			
%	0.576	0.962	0.359	0.243	0.340	0.910	0.223	
RSD				TM	TM			

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	10
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	102.200	94.890	10700.000	0.000	101.400	114.733%	0.000	
			M				I	I
%	1.065	0.900	2.655	0.000	2.506	5.573	0.000	
RSD			M				I	I

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	99.400	66.020	387.500	113.261%	99.530	120.400	107.886%
%	0.624	1.159	1.855	4.681	1.305	1.305	3.807
RSD							

510-62781-I-1-F MSD @10, 03/18/2011 19:37:43
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	105.186%	102.200	0.000	9717.000	12240.000	13680.000	13140.000	11750
				TM	TM	TM	M	M
%	3.126	1.125	0.000	1.435	4.049	0.746	1.372	0
				TM	TM	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	394.400	128.400	109.400	1137.000	14560.000	103.900	112.600	110
				TM	TM			
%	0.795	0.654	0.681	0.941	0.653	0.530	1.332	1
				TM	TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
x	103.800	95.860	10800.000	0.000	104.200	113.060%	0.000	0
			M				I	I
%	1.028	1.669	3.047	0.000	2.095	5.653	0.000	0
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	101.300	70.120	384.800	113.623%	101.400	128.300	108.109%
%	0.319	1.013	0.961	3.957	0.269	0.277	3.363
RSD							

510-62781-I-1-D pds @10 qc723 1:100, 03/18/2011 19:42:11
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	113.093%	22.480	0.000	344.700	1801.000	23690.000	2308.000	4836.000
					M	TM	M	M
%	1.923	1.146	0.000	0.861	1.054	0.545	1.374	3.164
					M	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	403.400	56.790	37.740	863.700	45970.000	29.180	50.800	59.660
				TM	TM			
%	0.174	0.930	1.510	0.521	0.512	0.281	0.845	1.193
				TM	TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	28.360	20.820	9737.000	0.000	25.540	123.109%	0.000	0.000
			M				I	I
%	0.373	1.361	2.279	0.000	2.750	5.803	0.000	0.000
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	24.710	22.930	240.300	118.025%	19.590	246.100	112.350%
%	0.304	1.477	0.746	3.869	0.707	0.313	2.936
RSD							

```
   510-62781-I-1-D sd @50,   03/18/2011 19:46:39
User Pre-dilution: 1.000
Run Time      6Li    9Be        13C     23Na        25Mg        27Al      39K      43Ca      44
                ppb    ppb        ppb      ppb         ppb         ppb      ppb       ppb       p
  x      111.450%  0.389      0.000   44.450     361.000    4844.000  396.100   959.900   941.
                                                       TM                    M         M
  %         2.018  3.264      0.000    0.366       0.711       1.694    1.195     1.307     1.
                                                          TM                   M         M
RSD
Run Time     47Ti    51V       52Cr     55Mn        56Fe        59Co     60Ni      65Cu      66
                ppb    ppb        ppb      ppb         ppb         ppb      ppb       ppb       p
  x        79.450  8.858      3.388  170.600    9510.000       3.016    6.249     8.055    14.
                                                    TM
  %         0.646  1.971      0.505    0.504       0.719       4.118    0.822     3.421     2.
                                                       TM
RSD
Run Time     75As   78Se       88Sr      89Y        95Mo       103Rh    107Ag   108Mo O     111
                ppb    ppb        ppb      ppb         ppb         ppb      ppb       ppb       p
  x         1.647  1.097   1540.000    0.000       0.955    124.865%    0.000     0.000     0.
                          M                                                I         I
  %         2.085  2.711      2.643    0.000       8.399       5.893    0.000     0.000   116.
                            M                                              I         I
RSD
Run Time    118Sn  121Sb      137Ba    159Tb       205Tl       208Pb    209Bi
                ppb    ppb        ppb      ppb         ppb         ppb      ppb
  x         0.768 -1.275     43.740 115.629%      -0.091      43.490 111.228%
  %         4.503  1.744      0.950    3.763      39.770       0.835    3.390
RSD
```

510-62781-I-2-B @10, 03/18/2011 19:51:08
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	115.778%	0.622	0.000	43.240	2995.000	20330.000	1295.000	2072.000
					M	TM	M	M
%	2.566	7.333	0.000	5.452	5.300	4.825	3.743	6.405
					M	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	540.800	41.890	17.910	516.800	21960.000	8.609	21.400	14.990
	M		TM	TM				
%	6.075	4.284	6.545	6.685	6.506	5.420	7.377	7.634
	M		TM		TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	6.805	0.434	899.200	0.000	0.993	128.248%	0.000	0.000
			M				I	I
%	5.028	30.650	8.402	0.000	13.150	5.967	0.000	0.000
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	5.184	-0.880	129.900	124.374%	-0.074	19.430	117.899%
%	7.106	5.401	6.548	3.964	24.200	5.922	3.372
RSD							

510-62781-I-3-B @10, 03/18/2011 19:55:36
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	114.966%	0.847	0.000	50.730	2999.000	19480.000	1296.000	3106.000
					M	TM	M	M
%	2.599	5.055	0.000	7.053	3.290	2.801	3.152	3.906
					M	TM	M	M
RSD								

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	470.000	42.210	23.050	859.700	26360.000	11.480	25.230	36.220
				TM	TM			
%	4.113	4.209	5.496	4.877	4.543	4.612	4.644	4.320
				TM	TM			
RSD								

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	9.907	0.629	1468.000	0.000	1.868	126.706%	0.000	0.000
			M				I	I
%	1.587	13.300	6.600	0.000	8.343	5.456	0.000	0.000
			M				I	I
RSD								

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	14.720	0.566	177.100	123.895%	-0.044	129.800	116.767%
%	5.803	20.250	4.171	3.673	49.860	4.543	3.825
RSD							

510-62781-I-4-B @10, 03/18/2011 20:00:04
User Pre-dilution: 1.000

Run	Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		115.903%	0.795	0.000	48.460	3901.000	24580.000	1446.000	2536.000
						M	TM	M	M
%		2.184	7.606	0.000	7.579	4.478	3.804	3.445	4.367
						M	TM	M	M
RSD									

Run	Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		589.100	53.440	28.010	516.700	26370.000	9.669	23.020	13.670
		M			TM	TM			
%		5.298	6.415	5.024	6.147	5.929	6.045	5.964	6.553
		M			TM	TM			
RSD									

Run	Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		7.480	0.724	1467.000	0.000	1.203	127.776%	0.000	0.000
				M				I	I
%		8.334	9.872	7.290	0.000	5.450	6.202	0.000	0.000
				M				I	I
RSD									

Run	Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.364	-1.028	86.970	122.103%	-0.075	16.240	114.892%
%		5.675	3.778	6.605	4.151	29.280	5.106	3.108
RSD								

```
   ccv,   03/18/2011 20:04:30
User Pre-dilution: 1.000
Run Time      6Li     9Be         13C     23Na    25Mg     27Al        39K    43Ca    44Ca
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       106.754% 205.600       0.000  163.300 198.000  205.100   2120.000 302.000 230.400 113
                                                                        M
  %         3.927   0.509       0.000    0.795   1.233    2.247      0.721   5.863   2.958
                                                                         M
RSD
Run Time     47Ti     51V        52Cr     55Mn    56Fe     59Co       60Ni    65Cu    66Zn
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       207.100 199.700     192.600  192.700 198.900  198.200    205.000 206.300 188.300 116
  %         1.039   0.335       0.671    0.387   1.499    0.822      0.090   0.600   0.336
RSD
Run Time     75As    78Se        88Sr      89Y    95Mo    103Rh      107Ag 108Mo O   111Cd
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       200.500 195.900   17740.000    0.000 199.300 117.745%      0.000   0.000 200.300 114
                            M                                        I       I
  %         0.733   1.069       2.066    0.000   2.107    4.498      0.000   0.000   1.175
                               M                                     I       I
RSD
Run Time    118Sn   121Sb       137Ba    159Tb   205Tl    208Pb      209Bi
               ppb     ppb         ppb      ppb     ppb      ppb        ppb
  x       203.100 169.500     198.700 111.233% 204.600  193.900   108.387%
  %         0.810   5.143       0.471    3.399   0.069    0.122      3.295
RSD
```

ccb, 03/18/2011 20:08:53
User Pre-dilution: 1.000

Run Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	45Sc
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	111.983%	-0.040	0.000	-19.540	-3.013	-1.863	-48.270	-9.041	-16.130	117.424%
%	3.173	26.770	0.000	2.740	4.677	5.650	2.803	34.780	12.520	1.013
RSD										

Run Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	72Ge
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.190	0.568	-0.229	-0.074	-6.374	-0.342	-0.151	-0.176	-2.089	118.225%
%	22.490	34.820	3.898	22.830	14.030	1.178	11.110	23.970	5.157	0.153
RSD										

Run Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	115In
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.072	0.651	0.321	0.000	0.459	120.033%	0.000 I	0.000 I	-0.032	116.895%
%	243.600	30.590	251.500	0.000	23.980	5.852	0.000 I	0.000 I	37.730	5.837
RSD										

Run Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.691	11.330	-0.179	112.623%	-0.226	-0.251	108.869%
%	21.600	18.760	15.310	4.817	1.853	1.320	3.877
RSD							

510-62781-I-5-B @10, 03/18/2011 20:13:19
User Pre-dilution: 1.000

Run	Time	6Li ppb	9Be ppb	13C ppb	23Na ppb	25Mg ppb	27Al ppb	39K ppb	43Ca ppb	
x		109.756%	0.420	0.000	29.720	3125.000 M	15870.000 TM	928.800 M	1486.000 M	14 M
%		3.336	11.940	0.000	1.503	2.536 M	1.992 TM	1.927 M	1.165 M	M
RSD										

Run	Time	47Ti ppb	51V ppb	52Cr ppb	55Mn ppb	56Fe ppb	59Co ppb	60Ni ppb	65Cu ppb
x		365.300	31.390	16.110	467.500	17130.000 TM	7.055	18.350	12.830
%		3.125	3.793	2.771	3.631	2.946 TM	2.262	4.349	4.126
RSD									

Run	Time	75As ppb	78Se ppb	88Sr ppb	89Y ppb	95Mo ppb	103Rh ppb	107Ag ppb	108Mo O ppb	
x		5.428	0.630	853.300 M	0.000	0.680	118.306%	0.000 I	0.000 I	
%		4.957	8.834	5.427 M	0.000	15.820	6.029	0.000 I	0.000 I	3
RSD										

Run	Time	118Sn ppb	121Sb ppb	137Ba ppb	159Tb ppb	205Tl ppb	208Pb ppb	209Bi ppb
x		3.694	0.654	70.030	114.222%	-0.225	12.930	109.489%
%		3.192	18.440	4.446	4.286	2.853	3.187	2.523
RSD								

```
   ccv,   03/18/2011 20:17:46
User Pre-dilution: 1.000
Run Time      6Li     9Be         13C     23Na    25Mg     27Al        39K    43Ca    44Ca
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       101.516% 201.800       0.000  161.300 195.400  203.600   2137.000 301.500 230.200 108
                                                                        M
  %         2.862   0.496       0.000    1.236   0.289    1.336      1.365   0.817   1.667
                                                                         M
RSD
Run Time     47Ti     51V        52Cr     55Mn    56Fe     59Co       60Ni    65Cu    66Zn
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       203.100 195.600     190.700  190.000 194.100  194.500    200.900 203.000 186.900 113
  %         0.623   0.483       0.355    0.191   2.093    0.134      0.525   0.917   0.528
RSD
Run Time     75As    78Se        88Sr      89Y    95Mo    103Rh      107Ag 108Mo O   111Cd
               ppb     ppb         ppb      ppb     ppb      ppb        ppb     ppb     ppb
  x       199.300 194.200   17700.000    0.000 200.300 114.657%      0.000   0.000 199.600 113
                            M                                        I       I
  %         0.706   0.408       1.042    0.000   1.489    4.872      0.000   0.000   1.460
                               M                                     I       I
RSD
Run Time    118Sn   121Sb       137Ba    159Tb   205Tl    208Pb      209Bi
               ppb     ppb         ppb      ppb     ppb      ppb        ppb
  x       201.400 170.300     198.400 111.434% 203.200  193.000   109.740%
  %         1.011   5.040       0.305    3.751   0.778    0.263      3.486
RSD
```

ccb, 03/18/2011 20:22:08
User Pre-dilution: 1.000

Run	Time	6Li	9Be	13C	23Na	25Mg	27Al	39K	43Ca	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		108.907%	-0.044	0.000	-19.830	-2.958	-1.984	-43.650	-8.898	-15.180	114.207%
%		2.452	29.780	0.000	1.197	1.272	6.709	2.069	16.360	3.043	0.358
RSD											

Run	Time	47Ti	51V	52Cr	55Mn	56Fe	59Co	60Ni	65Cu	66Zn	72Ge
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.121	0.584	-0.249	-0.072	-7.061	-0.324	-0.185	-0.171	-2.049	116.072%
%		57.140	35.900	17.690	20.480	19.330	0.962	18.160	13.690	2.486	0.583
RSD											

Run	Time	75As	78Se	88Sr	89Y	95Mo	103Rh	107Ag	108Mo O	111Cd	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.063	0.531	1.158	0.000	0.409	119.819%	0.000 I	0.000 I	-0.057	117.201%
%		143.400	3.055	13.450	0.000	35.900	5.128	0.000 I	0.000 I	21.210	5.546
RSD											

Run	Time	118Sn	121Sb	137Ba	159Tb	205Tl	208Pb	209Bi
		ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.661	12.070	-0.163	114.868%	-0.224	-0.240	112.070%
%		25.370	16.980	19.170	4.410	3.912	2.074	3.334
RSD								

ccv, 03/21/2011 16:06:32
User Pre-dilution: 1.000

Run Time	6Li	13C	45Sc	52Cr	55Mn	56Fe	60Ni	65Cu	66Zn	72Ge
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	96.176%	0.000	103.901%	196.000	199.900	197.200	209.000	207.400	207.200	99.488%
%	1.165	0.000	1.715	1.183	0.811	2.698	2.189	2.071	2.068	1.371
RSD										

Run Time	89Y	95Mo	103Rh	107Ag	108Mo O I	111Cd	115In	121Sb	137Ba	159Tb
	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x	0.000	197.300	99.286%	202.300	0.000	213.200	100.017%	181.600	205.900	102.789%
%	0.000	2.026	4.410	0.314	0.000	0.569	3.339	1.417	1.374	2.363
RSD										

Run Time	208Pb	209Bi
	ppb	ppb
x	202.800	103.778%
%	0.646	2.544
RSD		

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\TEMPLATES\TestAmerica All.tet
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/22/2011 07:23:55
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings	Result cells	Data warning flags
		I - Invalid calibration
No flag	Internal Standard	T - Tripped
Semi Quant	Excluded	F - Interference correction failed
		M - Result over max
Standard Addition	QC Warning	V - Valley integration failed
	QC Failure	
Multi Element		D - Different method used
	Transient TRA only:	
	Peak Not Found	
	Manually Edited	
	Merged Peak	

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal 2dig,	Fully Quant Standard	1.000	1	1	3	150
4	cal6,	Fully Quant Standard	1.000	1	1	4	150
5	ICV 678568,	Unknown	1.000	0	1	1	150
6	ICB,	Unknown	1.000	0	1	2	150
7	MB 510-77709/1-A,	Unknown	1.000	1	3	1	150
8	LCS 510-77709/2-A,	Unknown	1.000	1	3	2	144
9	510-63295-C-1-A,	Unknown	1.000	1	3	3	144
10	510-63309-A-1-A @5,	Unknown	1.000	1	3	4	144
11	510-63310-A-1-A @5,	Unknown	1.000	1	3	5	144
12	510-63310-A-2-A @5,	Unknown	1.000	1	3	6	144
13	510-63310-A-3-A @5,	Unknown	1.000	1	3	7	144
14	510-63334-A-1-A unil,	Unknown	1.000	1	3	8	144
15	510-63334-A-1-B DU,	Unknown	1.000	1	3	9	144
16	510-63334-A-1-C MS,	Unknown	1.000	1	3	10	144
17	ccv,	Unknown	1.000	0	1	1	144
18	ccb,	Unknown	1.000	0	1	2	144
19	510-63347-C-1-A 34,	Unknown	1.000	1	3	11	144
20	510-63341-A-1-A unil,	Unknown	1.000	1	3	12	144
21	ccv,	Unknown	1.000	0	1	1	144
22	ccb,	Unknown	1.000	0	1	2	144
23	MB 510-77645/1-A 0319-1,	Unknown	1.000	1	4	1	144
24	LCS 510-77645/2-A,	Unknown	1.000	1	4	2	144
25	510-63323-A-1-A,	Unknown	1.000	1	4	3	144
26	510-63323-A-2-A,	Unknown	1.000	1	4	4	144
27	510-63329-A-4-A,	Unknown	1.000	1	4	5	144
28	510-63282-A-1-A @10,	Unknown	1.000	1	4	6	144
29	510-63282-A-2-A @10,	Unknown	1.000	1	4	7	144
30	510-63324-A-1-A @10,	Unknown	1.000	1	4	8	144
31	510-63324-A-2-A @10,	Unknown	1.000	1	4	9	144
32	ccv,	Unknown	1.000	0	1	1	144
33	ccb,	Unknown	1.000	0	1	2	144
34	510-63316-A-1-A,	Unknown	1.000	1	4	10	144
35	510-63316-A-1-B DU,	Unknown	1.000	1	4	11	144

36	510-63316-A-1-C MS,	Unknown	1.000	1	4	12	144
37	MB 510-77643/1-A 0319-1,	Unknown	1.000	1	4	13	144
38	LCS 510-77643/2-A,	Unknown	1.000	1	4	14	144
39	510-63323-B-1-A,	Unknown	1.000	1	4	15	144
40	ccv,	Unknown	1.000	0	1	1	144
41	ccb,	Unknown	1.000	0	1	2	144
42	MB 510-77089/1-A 0310-1,	Unknown	1.000	1	2	1	144
43	LCS 510-77089/2-A,	Unknown	1.000	1	2	2	144
44	510-62903-G-1-A,	Unknown	1.000	1	2	3	144
45	510-62922-C-1-A @5,	Unknown	1.000	1	2	4	144
46	510-62900-C-1-A,	Unknown	1.000	1	2	5	144
47	510-62900-C-1-B DU,	Unknown	1.000	1	2	6	144
48	510-62900-C-1-C MS,	Unknown	1.000	1	2	7	144
49	ccv,	Unknown	1.000	0	1	1	144
50	ccb,	Unknown	1.000	0	1	2	144
51	ICSA,	Unknown	1.000	1	1	6	144
52	ICSAB,	Unknown	1.000	1	1	7	144
53	rinse,	Unknown	1.000	0	1	3	144
54	rinse,	Unknown	1.000	0	1	3	144
55	MB 510-76967/1-A @10 0307-1,	Unknown	1.000	2	1	1	144
56	LCS 510-76967/2-A @10,	Unknown	1.000	2	1	2	144
57	510-62763-B-1-B @10,	Unknown	1.000	2	1	3	144
58	510-62763-B-1-C MS @10,	Unknown	1.000	2	1	4	144
59	510-62763-B-1-D MSD @10,	Unknown	1.000	2	1	5	144
60	510-62763-B-1-B pds qc723 1:100,	Unknown	1.000	2	1	6	144
61	510-62763-B-1-B sd @50,	Unknown	1.000	2	1	7	144
62	510-62781-I-1-D @20,	Unknown	1.000	2	1	8	144
63	510-62781-I-1-E MS @20,	Unknown	1.000	2	1	9	144
64	510-62781-I-1-F MSD @20,	Unknown	1.000	2	1	10	144
65	ccv,	Unknown	1.000	0	1	1	144
66	ccb,	Unknown	1.000	0	1	2	144
67	510-62781-I-2-B @20,	Unknown	1.000	2	1	11	144
68	510-62781-I-3-B @20,	Unknown	1.000	2	1	12	144
69	510-62781-I-4-B @20,	Unknown	1.000	2	1	13	144
70	510-62781-I-5-B @20,	Unknown	1.000	2	1	14	144
71	ccv,	Unknown	1.000	0	1	1	144
72	ccb,	Unknown	1.000	0	1	2	144

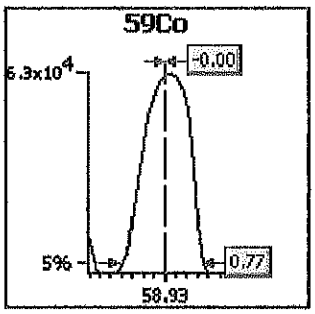
```
   ccb,   03/21/2011 16:12:03
User Pre-dilution: 1.000
Run Time       6Li       13C      45Sc   52Cr    55Mn   56Fe      60Ni   65Cu   66Zn      72Ge
                ppb       ppb       ppb    ppb     ppb    ppb       ppb    ppb    ppb       ppb
  x       103.032%     0.000 108.203% -0.270   0.045 -2.628     0.048 -0.196 -1.328 103.936%
  %          0.297     0.000    1.515 13.150  17.940 39.950   66.500  7.480 11.640    1.232
RSD
Run Time       89Y      95Mo     103Rh  107Ag 108Mo O  111Cd     115In  121Sb  137Ba     159Tb
                ppb       ppb       ppb    ppb     ppb    ppb       ppb    ppb    ppb       ppb
  x          0.000     0.056 103.983%  0.204   0.000  0.079 104.601%  0.535  0.233 106.103%
                                                 I
  %          0.000  117.600    3.926  9.067   0.000 24.000    4.030  7.549 13.210    2.339
                                                 I
RSD
Run Time     208Pb     209Bi
                ppb       ppb
  x         -0.227 107.600%
  %         13.870    2.903
RSD
```

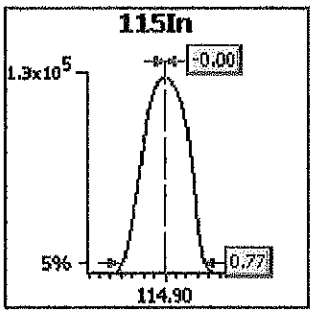
Performance Report

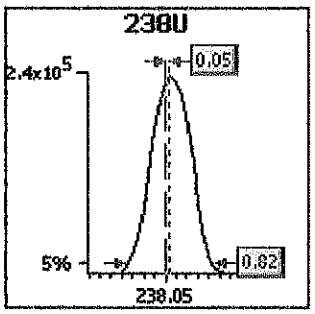
Sample details
Acquired at : 03/22/2011 08:34:32
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Mass Calibration verification

Acquisition parameters
Sweeps : 30
Dwell : 10.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum







Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
59Co	0.85	0.65	0.10	0.77	-0.00
115In	0.85	0.65	0.10	0.77	-0.00
238U	0.85	0.65	0.10	0.82	0.05

77824
03221C.csv
txt

Sample details
Acquired at : 03/22/2011 08:34:32
Report name : Xi Standard Mode [11/12/2010 14:16:46]

Tune conditions

Major	
Extraction	-90
Lens 1	-2.4
Focus	15.7
D1	-43.1
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.73
Sampling Depth	150

Minor	
Lens 2	-44.7
Lens 3	-200.0
Forward power	1368
Horizontal	23
Vertical	415
D2	-147
DA	-21.2
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	160
High resolution	135
Analogue Detector	1950
PC Detector	3950

Add. Gases	
CCT-He	0.00
CCT-He	0.00

Sensitivity and stability results

Acquisition parameters
Sweeps : 100

Run	Time	7Li	59Co	137Ba++	115In	137Ba	138Ba	140Ce	156Ce O	220Bkg
Dwell (mSecs)		50.0	10.0	50.0	20.0	20.0	10.0	10.0	50.0	100.0
Limits	%RSD	5.0%	5.0%	-	5.0%	-	-	-	-	-
	Countrate	>5000	>10000	-	>80000	-	-	-	-	-
1	08:35:03	19202.860	63163.671	1.600	126600.43	53.500	702.027	152150.67	1753.769	0.200
2	08:35:44	19424.530	64039.768	0.800	125168.81	47.000	674.025	151038.36	1729.765	0.000
3	08:36:24	19466.620	64701.429	0.800	125563.70	39.500	655.024	150750.64	1756.970	0.100
4	08:37:03	19592.490	64368.075	0.600	124687.76	42.500	649.023	148875.11	1725.564	0.100
x		19421.625	64068.236	0.950	125505.17	45.625	670.025	150703.69	1741.517	0.100
σ		162.36	660.78	0.44	813.29	6.09	23.85	1360.35	16.14	0.08
%RSD		0.836	1.031	46.681	0.648	13.343	3.559	0.903	0.927	81.650

Run	Time	238U
Dwell (mSecs)		20.0
Limits	%RSD	5.0%
	Countrate	>150000
1	08:35:03	223412.40
2	08:35:44	222182.30
3	08:36:24	221424.13
4	08:37:03	219477.78
x		221624.15
σ		1648.87
%RSD		0.744

Ratio results

Run	Time	137Ba++/137Ba	156Ce O/140Ce
Ratio limits		-	<0.0300
1	08:35:03	0.030	0.012
2	08:35:44	0.017	0.011
3	08:36:24	0.020	0.012
4	08:37:03	0.014	0.012
x		0.0203	0.0116
σ		0.01	0.00
%RSD		33.7614	0.7502

Result : The performance report passed.

Experiment Details

Description	PlasmaLab Template BlankExperiment
Template Filename	C:\Program Files\Thermo Fisher\PlasmaLab\TEMPLATES\TestAmerica All.tet
Created By User	Administrator
Analyte Database	Default.tea
Creation Timestamp	09/21/2007 13:18:20
Last Edited By	Administrator
Last Edit Timestamp	03/23/2011 07:17:08
Instrument Detector	Simultaneous
Database Version	3,51
Acquisition Mode	Unknown

Numerical Results report key (text indicates meaning)

Blue text indicates that cell is a statistic.
Underlining indicates that a data warning flag is set.

Column headings
- No flag
- Semi Quant
- Standard Addition
- Multi Element

Result cells
- Internal Standard
- Excluded
- QC Warning
- QC Failure

Transient TRA only:
- Peak Not Found
- Manually Edited
- Marked Peak

Data warning flags
I - Invalid calibration
T - Tripped
F - Interference correction failed
M - Result over max
V - Valley integration failed
D - Different method used

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	calb,	Blank	1.000	1	1	1	150
2	cal2,	Fully Quant Standard	1.000	1	1	2	150
3	cal2 dig,	Fully Quant Standard	1.000	1	1	3	150
4	ICV,	Unknown	1.000	0	1	1	144
5	ICB,	Unknown	1.000	0	1	2	144
6	ICSA,	Unknown	1.000	1	1	6	150
7	ICSAB,	Unknown	1.000	1	1	7	150
8	RINSE,	Unknown	1.000	0	1	3	150
9	RINSE,	Unknown	1.000	0	1	3	150
10	diss mb,	Unknown	1.000	1	2	1	150
11	diss lcs,	Unknown	1.000	1	2	2	150
12	510-62899-A-13 @100,	Unknown	1.000	1	2	3	150
13	510-63207-A-13 @100,	Unknown	1.000	1	2	4	150
14	510-62846-C-1,	Unknown	1.000	1	2	5	150
15	510-62846-C-1 ms qc723 1:100,	Unknown	1.000	1	2	6	150
16	510-62846-C-1 msd qc723 1:100,	Unknown	1.000	1	2	7	150
17	510-63415-A-13 @100,	Unknown	1.000	1	2	8	144
18	ccv,	Unknown	1.000	0	1	1	150
19	ccb,	Unknown	1.000	0	1	2	150
20	MB 510-76967/1-A @100 0307-1,	Unknown	1.000	1	3	1	150
21	LCS 510-76967/2-A @100,	Unknown	1.000	1	3	2	144
22	510-62781-I-1-D @100,	Unknown	1.000	1	3	3	144
23	510-62781-I-1-E MS @100,	Unknown	1.000	1	3	4	144
24	510-62781-I-1-F MSD @100,	Unknown	1.000	1	3	5	144
25	510-62781-I-1-D pds @100 qc723 1:100,	Unknown	1.000	1	3	6	144
26	510-62781-I-1-D sd @500,	Unknown	1.000	1	3	7	144
27	510-62781-I-2-B @100,	Unknown	1.000	1	3	8	144
28	510-62781-I-4-B @100,	Unknown	1.000	1	3	9	144
29	510-62781-I-3-B @100,	Unknown	1.000	1	3	10	144
30	ccv,	Unknown	1.000	0	1	1	144
31	ccb,	Unknown	1.000	0	1	2	144
32	510-62781-I-5-B @100,	Unknown	1.000	1	3	11	144
33	510-62763-B-1-B @10,	Unknown	1.000	1	3	12	144
34	510-62763-B-1-C MS @10,	Unknown	1.000	1	3	13	144
35	510-62763-B-1-D MSD @10,	Unknown	1.000	1	3	14	144
36	ccv,	Unknown	1.000	0	1	1	144

37	ccb,	Unknown	1.000	0	1	2	144

Dilution Corrected Concentrations

calb, 03/22/2011 15:43:54

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		100.000%	0.000	100.000%	0.000	100.000%	100.000%	100.000%	0.000	I0.000	100.000%
%RSD		0.694	0.000	1.124	0.000	0.250	5.141	3.264	0.000	I0.000	2.564

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		0.000	-0.000	100.000%	100.000%
%RSD		0.000	0.000	1.443	0.515

cal2, 03/22/2011 15:46:28

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		98.807%	0.000	96.270%	M500.000	94.791%	93.919%	93.908%	496.200	I0.000	93.422%
%RSD		1.545	0.000	1.721	M0.440	1.208	4.007	2.790	0.479	I0.000	2.866

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		424.900	M500.000	92.443%	92.311%
%RSD		1.327	M0.274	1.334	1.297

cal2 dig, 03/22/2011 15:49:02

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		97.599%	0.000	93.965%	M508.000	92.441%	92.721%	91.416%	M500.000	I0.000	91.413%
%RSD		1.737	0.000	1.769	M1.163	0.513	4.334	2.835	M0.460	I0.000	3.005

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		M500.000	M506.400	90.797%	90.434%
%RSD		M0.299	M0.114	1.549	1.164

ICV, 03/22/2011 15:55:10

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		95.515%	0.000	94.181%	194.900	96.205%	95.479%	93.565%	203.900	I0.000	93.580%
%RSD		1.103	0.000	2.171	1.390	0.933	3.807	3.735	0.545	I0.000	2.261

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		189.300	203.200	93.692%	94.779%
%RSD		0.410	0.382	1.314	1.116

ICB, 03/22/2011 16:00:18

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		101.350%	0.000	96.670%	-1.214	96.289%	96.030%	93.614%	-0.004	I0.000	92.613%
%RSD		1.974	0.000	2.075	2.059	0.814	3.198	3.365	353.200	I0.000	3.002

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		1.783	-0.065	91.286%	90.927%
%RSD		3.611	16.430	1.718	1.491

ICSA, 03/22/2011 16:02:53

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.242%	0.000	91.334%	1.368	95.710%	91.135%	86.063%	0.207	↕0.000	88.836%
%RSD		1.943	0.000	1.001	14.290	1.412	4.953	4.028	3.530	↕0.000	3.774

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		1.330	0.023	87.855%	84.617%
%RSD		0.846	140.300	1.773	2.136

ICSAB, 03/22/2011 16:05:28

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		93.845%	0.000	91.155%	91.380	94.636%	92.157%	85.395%	48.370	↕0.000	88.743%
%RSD		1.156	0.000	1.088	1.333	0.630	5.252	3.793	0.497	↕0.000	2.590

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		0.863	0.219	88.023%	84.936%
%RSD		6.879	3.620	1.629	1.295

RINSE, 03/22/2011 16:08:03

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		97.414%	0.000	97.289%	-0.509	97.204%	97.158%	94.110%	-0.056	↕0.000	94.322%
%RSD		1.748	0.000	0.599	17.920	0.699	6.020	3.614	21.410	↕0.000	3.698

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		0.465	-0.199	92.800%	93.064%
%RSD		10.440	16.310	2.645	1.555

RINSE, 03/22/2011 16:10:38

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		98.889%	0.000	96.649%	-0.604	98.001%	97.382%	94.931%	-0.048	↕0.000	94.671%
%RSD		0.685	0.000	0.855	21.680	0.482	5.362	3.500	14.280	↕0.000	2.771

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		0.282	-0.219	93.291%	92.957%
%RSD		7.471	6.302	1.964	1.423

diss mb, 03/22/2011 16:26:51

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.764%	0.000	94.263%	-1.752	97.161%	94.906%	93.493%	-0.114	↕0.000	94.576%
%RSD		2.988	0.000	0.470	2.143	1.155	5.293	3.482	3.907	↕0.000	3.005

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		0.094	-0.291	95.635%	96.105%
%RSD		41.420	2.362	0.314	0.989

diss lcs, 03/22/2011 16:29:25

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.513%	0.000	93.942%	200.100	96.721%	92.747%	91.177%	206.700	±0.000	91.952%
%RSD		3.113	0.000	2.289	5.093	2.439	3.327	2.535	5.211	±0.000	2.520

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		185.400	208.300	91.593%	92.304%
%RSD		6.248	5.013	1.384	1.994

510-62899-A-13 @100, 03/22/2011 16:31:59

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		92.552%	0.000	94.894%	4.922	98.432%	92.923%	90.670%	52.760	±0.000	92.869%
%RSD		0.795	0.000	0.833	3.627	1.038	5.520	4.871	0.361	±0.000	2.204

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		3.565	0.814	92.872%	92.679%
%RSD		12.650	9.033	1.813	1.917

510-63207-A-13 @100, 03/22/2011 16:34:34

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		76.817%	0.000	83.339%	2.143	93.153%	91.078%	87.955%	1.752	±0.000	92.197%
%RSD		1.237	0.000	1.569	8.276	0.626	6.175	4.225	5.095	±0.000	2.633

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		1.288	-0.262	95.658%	95.436%
%RSD		19.990	9.393	0.827	1.511

510-62846-C-1, 03/22/2011 16:37:08

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		87.239%	0.000	94.450%	-0.976	102.432%	98.929%	96.994%	-0.108	±0.000	99.040%
%RSD		1.680	0.000	1.300	12.680	1.077	6.111	4.255	6.487	±0.000	3.365

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		-0.404	-0.244	98.478%	99.002%
%RSD		2.567	10.120	2.153	1.975

510-62846-C-1 ms qc723 1:100, 03/22/2011 16:39:43

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		91.447%	0.000	98.080%	26.610	103.164%	100.776%	97.345%	20.240	±0.000	98.432%
%RSD		2.492	0.000	1.052	2.623	0.907	7.391	5.049	0.938	±0.000	3.267

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		20.870	22.080	98.001%	97.265%
%RSD		0.848	1.612	1.433	1.509

510-62846-C-1 msd qc723 1:100, 03/22/2011 16:42:18

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.178%	0.000	98.678%	27.080	105.564%	101.115%	98.648%	20.690	ı0.000	98.705%
%RSD		1.242	0.000	1.451	2.586	0.878	5.926	5.074	0.985	ı0.000	3.583

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		20.970	22.600	97.335%	96.626%
%RSD		0.459	1.740	1.550	2.091

510-63415-A-13 @100, 03/22/2011 16:44:54

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		74.187%	0.000	78.786%	12.070	91.582%	88.800%	86.280%	2.427	ı0.000	90.746%
%RSD		2.884	0.000	0.759	3.122	0.886	6.119	4.108	3.729	ı0.000	2.103

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		0.493	-0.242	94.934%	95.241%
%RSD		6.173	7.615	1.651	1.940

ccv, 03/22/2011 16:47:31

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		82.160%	0.000	85.526%	195.800	95.459%	93.646%	93.130%	204.000	ı0.000	94.592%
%RSD		2.206	0.000	0.495	0.457	0.184	4.903	4.235	0.042	ı0.000	2.543

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		182.400	203.700	99.477%	99.196%
%RSD		0.730	1.222	0.504	1.236

ccb, 03/22/2011 16:50:05

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		89.913%	0.000	89.278%	-1.418	99.671%	99.841%	97.316%	-0.024	ı0.000	97.905%
%RSD		1.630	0.000	0.091	7.602	0.526	5.915	3.912	35.220	ı0.000	2.557

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		5.998	-0.102	100.451%	100.133%
%RSD		6.702	23.760	1.327	1.562

MB 510-76967/1-A @100 0307-1, 03/22/2011 16:52:40

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		96.131%	0.000	97.419%	0.024	106.027%	103.473%	101.401%	0.007	ı0.000	100.920%
%RSD		1.532	0.000	1.163	842.100	0.613	5.571	4.544	282.200	ı0.000	2.420

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		-0.229	0.009	98.136%	97.572%
%RSD		10.050	1962.000	2.044	2.159

LCS 510-76967/2-A @100, 03/22/2011 16:55:14

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		94.366%	0.000	95.088%	67.580	104.976%	140.261%	98.827%	10.630	<0.000	97.569%
%RSD		1.663	0.000	1.221	1.044	0.756	6.098	4.193	1.214	<0.000	2.895

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		15.660	69.970	96.548%	95.774%
%RSD		0.840	1.568	2.272	1.853

510-62781-I-1-D @100, 03/22/2011 16:57:50

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		100.612%	0.000	102.161%	12.270	109.283%	132.612%	102.791%	-0.059	<0.000	100.928%
%RSD		1.741	0.000	0.536	3.776	0.924	5.579	4.574	23.640	<0.000	3.378

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		-0.134	24.990	100.005%	95.832%
%RSD		45.090	2.110	0.656	1.694

510-62781-I-1-E MS @100, 03/22/2011 17:00:25

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		99.543%	0.000	99.895%	26.700	107.734%	133.834%	101.547%	20.590	<0.000	98.883%
%RSD		0.710	0.000	0.235	1.728	1.115	5.570	4.875	1.295	<0.000	3.042

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		5.888	44.760	95.947%	94.773%
%RSD		2.023	0.584	2.326	1.621

510-62781-I-1-F MSD @100, 03/22/2011 17:03:00

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		101.475%	0.000	99.849%	17.700	108.225%	134.138%	100.879%	21.840	<0.000	99.327%
%RSD		0.983	0.000	1.762	1.468	0.730	6.971	5.300	0.244	<0.000	3.356

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		6.427	43.880	95.694%	94.243%
%RSD		0.837	0.159	0.972	1.250

510-62781-I-1-D pds @100 qc723 1:100, 03/22/2011 17:05:36

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		106.299%	0.000	104.196%	47.680	111.279%	161.523%	102.872%	21.260	<0.000	100.417%
%RSD		0.944	0.000	1.531	1.357	1.633	7.214	4.862	0.327	<0.000	2.554

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
x		21.520	72.080	96.147%	93.498%
%RSD		0.431	0.362	1.676	1.608

510-62781-I-1-D sd @500, 03/22/2011 17:08:11

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		109.478%	0.000	105.701%	0.845	113.614%	113.536%	104.671%	-0.035	±0.000	101.060%
%RSD		1.044	0.000	0.582	23.920	0.082	4.152	4.547	1.937	±0.000	2.981
Run	Time	121Sb	137Ba	159Tb	209Bi						
		ppb	ppb	ppb	ppb						
X		-0.339	5.028	95.773%	92.903%						
%RSD		7.757	5.295	2.392	2.119						

510-62781-I-2-B @100, 03/22/2011 17:10:47

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		111.510%	0.000	109.754%	8.718	113.688%	119.611%	104.254%	-0.055	±0.000	100.352%
%RSD		2.152	0.000	1.175	3.676	0.733	6.441	4.521	11.780	±0.000	2.988
Run	Time	121Sb	137Ba	159Tb	209Bi						
		ppb	ppb	ppb	ppb						
X		-0.061	8.857	94.495%	91.732%						
%RSD		40.380	0.702	1.180	2.011						

510-62781-I-4-B @100, 03/22/2011 17:13:23

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		107.935%	0.000	105.668%	6.468	111.598%	121.287%	101.740%	-0.093	±0.000	99.243%
%RSD		0.679	0.000	0.724	6.090	0.474	5.854	4.895	6.026	±0.000	2.501
Run	Time	121Sb	137Ba	159Tb	209Bi						
		ppb	ppb	ppb	ppb						
X		-0.415	6.785	93.689%	91.325%						
%RSD		4.352	3.392	2.156	2.322						

510-62781-I-3-B @100, 03/22/2011 17:15:59

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		108.458%	0.000	104.097%	19.800	111.299%	125.375%	101.673%	0.926	±0.000	99.393%
%RSD		0.519	0.000	0.916	2.012	0.373	6.936	4.028	5.931	±0.000	2.349
Run	Time	121Sb	137Ba	159Tb	209Bi						
		ppb	ppb	ppb	ppb						
X		-0.307	13.700	94.339%	91.715%						
%RSD		6.059	2.623	1.422	1.736						

ccv, 03/22/2011 17:18:35

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		105.165%	0.000	98.538%	194.700	105.644%	100.626%	97.879%	204.200	±0.000	96.646%
%RSD		2.762	0.000	1.651	1.276	1.040	6.388	5.179	0.840	±0.000	4.124
Run	Time	121Sb	137Ba	159Tb	209Bi						
		ppb	ppb	ppb	ppb						
X		182.400	206.500	95.119%	92.928%						
%RSD		1.185	0.448	2.303	1.902						

ccb, 03/22/2011 17:21:09

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		108.366%	0.000	99.928%	-1.297	106.520%	101.261%	98.957%	-0.007	±0.000	97.694%
%RSD		1.344	0.000	0.564	5.829	0.506	7.779	4.838	173.100	±0.000	3.135

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		4.134	-0.067	95.917%	93.397%
%RSD		6.572	98.660	1.573	2.076

510-62781-I-5-B @100, 03/22/2011 17:23:44

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		105.389%	0.000	98.257%	4.830	106.162%	106.712%	96.782%	-0.030	±0.000	95.442%
%RSD		0.881	0.000	0.695	6.679	0.722	4.475	5.102	54.330	±0.000	2.488

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		-0.184	5.432	92.318%	91.418%
%RSD		12.490	2.662	1.828	0.803

510-62763-B-1-B @10, 03/22/2011 17:26:21

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		105.158%	0.000	97.199%	65.830	103.883%	101.230%	95.544%	-0.061	±0.000	95.550%
%RSD		4.129	0.000	5.818	8.853	3.943	10.094	9.475	15.870	±0.000	6.510

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		0.004	26.320	93.769%	91.707%
%RSD		1148.000	5.660	6.525	5.184

510-62763-B-1-C MS @10, 03/22/2011 17:28:58

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		100.577%	0.000	93.163%	166.400	100.360%	97.246%	91.156%	196.700	±0.000	91.734%
%RSD		1.875	0.000	0.660	2.396	0.801	6.666	5.575	1.166	±0.000	3.797

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		99.040	227.700	93.820%	91.429%
%RSD		1.848	0.748	1.540	1.060

510-62763-B-1-D MSD @10, 03/22/2011 17:31:36

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		100.378%	0.000	93.392%	164.600	99.894%	96.206%	91.251%	190.300	±0.000	91.646%
%RSD		1.993	0.000	0.613	0.923	0.994	5.547	5.063	0.240	±0.000	2.793

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		98.850	227.400	92.983%	91.616%
%RSD		1.092	1.204	1.709	1.315

ccv, 03/22/2011 17:34:12

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		101.342%	0.000	95.732%	199.300	100.656%	94.660%	93.442%	205.700	<0.000	93.435%
%RSD		2.469	0.000	3.341	4.042	2.483	8.093	6.237	3.616	<0.000	4.239

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		185.100	206.600	93.768%	93.110%
%RSD		4.758	4.597	3.150	2.487

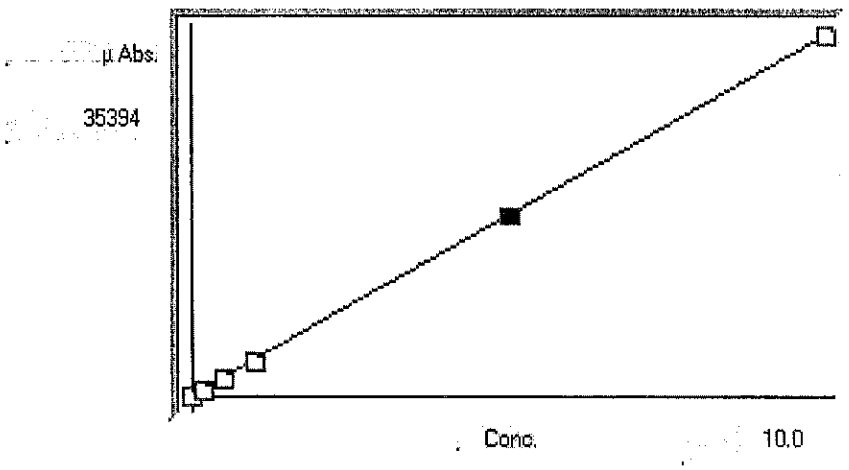
ccb, 03/22/2011 17:36:45

User Pre-dilution: 1.000

Run	Time	6Li	13C	45Sc	66Zn	72Ge	89Y	103Rh	107Ag	108Mo O	115In
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
X		106.085%	0.000	96.647%	-1.349	102.438%	97.387%	95.952%	-0.003	<0.000	95.216%
%RSD		1.139	0.000	0.925	14.620	0.316	5.839	5.237	324.800	<0.000	2.682

Run	Time	121Sb	137Ba	159Tb	209Bi
		ppb	ppb	ppb	ppb
X		4.294	-0.039	95.560%	93.533%
%RSD		5.724	115.400	1.309	1.766

Protocol: hgppb1



Linear

Calibrated

Accepted

A

B 2.82911e-4

C -2.18663e-2

Rhc .999979

Accepted Date: 07-Mar-11 13:14

S	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
01	.00000	.031	.031	187	1	187				
02	.20000	.208	.008	814	0%	813				
03	.50000	.480	-.020	1776	0%	1775				
04	1.0000	.964	-.036	3484	0%	3484				
05	5.0000	5.03	.025	17840	0%	17840				
06	10.000	9.99	-.009	35395	0%	35394				
07										
08										
09										
10										

Line	Conc.	Units	SD/RSD	1	2	3	4	5	
*** Standard: 1 Rep: 1				Seq: 158	11:06:34 07 Mar 11			HG	
Hg	.000	ppb	79						=
*** Standard: 2 Rep: 1				Seq: 159	11:08:55 07 Mar 11			HG	
Hg	.200	ppb	820						=
*** Standard: 3 Rep: 1				Seq: 160	11:11:02 07 Mar 11			HG	
Hg	.500	ppb	1897						=
*** Standard: 4 Rep: 1				Seq: 161	11:13:20 07 Mar 11			HG	
Hg	1.00	ppb	3661						=
*** Standard: 5 Rep: 1				Seq: 162	11:15:28 07 Mar 11			HG	
Hg	5.00	ppb	21903						=
*** Standard: 6 Rep: 1				Seq: 163	11:17:36 07 Mar 11			HG	
Hg	10.0	ppb	37948						=
*** Standard: 1 Rep: 1				Seq: 164	11:19:56 07 Mar 11			HG	
Hg	.000	ppb	-20						=
*** Standard: 2 Rep: 1				Seq: 165	11:22:03 07 Mar 11			HG	
Hg	.200	ppb	678						=
*** Standard: 3 Rep: 1				Seq: 166	11:24:12 07 Mar 11			HG	
Hg	.500	ppb	2143						=
*** Standard: 1 Rep: 1				Seq: 167	11:30:49 07 Mar 11			HG	
Hg	.000	ppb	100						=
*** Standard: 2 Rep: 1				Seq: 168	11:33:08 07 Mar 11			HG	
Hg	.200	ppb	824						=
*** Standard: 3 Rep: 1				Seq: 169	11:35:15 07 Mar 11			HG	
Hg	.500	ppb	1929						=
*** Standard: 4 Rep: 1				Seq: 170	11:37:33 07 Mar 11			HG	
Hg	1.00	ppb	3712						=
*** Standard: 5 Rep: 1				Seq: 171	11:40:02 07 Mar 11			HG	
Hg	5.00	ppb	22444						=
*** Standard: 6 Rep: 1				Seq: 172	11:42:19 07 Mar 11			HG	
Hg	10.0	ppb	37807						=

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Standard: 1 Rep: 1              Seq:  173     13:02:04 07 Mar 11   HG

Hg    .000    ppb       187                                                  =

*** Standard: 2 Rep: 1              Seq:  174     13:04:14 07 Mar 11   HG

Hg    .200    ppb       813                                                  =

*** Standard: 3 Rep: 1              Seq:  175     13:06:21 07 Mar 11   HG

Hg    .500    ppb       1775                                                 =

*** Standard: 4 Rep: 1              Seq:  176     13:08:40 07 Mar 11   HG

Hg    1.00    ppb       3484                                                 =

*** Standard: 5 Rep: 1              Seq:  177     13:10:47 07 Mar 11   HG

Hg    5.00    ppb       17840                                                =

*** Standard: 6 Rep: 1              Seq:  178     13:13:06 07 Mar 11   HG

Hg    10.0    ppb       35394                                                =

*** Check Standard: 3  Ck3 ICV      Seq:  179     13:18:08 07 Mar 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          97.1     5.40    5.56  ppb         .000  %                      =

*** Check Standard: 2  Ck2 CCV      Seq:  180     13:20:49 07 Mar 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          99.1     4.95    5.00  ppb         .000  %                      =

*** Check Standard: 1  Ck1 CCB      Seq:  181     13:22:55 07 Mar 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.052     .200     ppb        .000  %                           =

*** Sample ID: 00670680   030711     Seq:  182     13:25:10 07 Mar 11   HG
                          MB 510-76834/9-A
Hg   -.009    ppb       .000  %  -.009                                      =
===============================================================================
*** Sample ID: 670681 @10 030711    Seq:  183     13:27:20 07 Mar 11   HG
                          LCS 510-76834/10-A
Hg    4.44    ppb       .000  %   4.44                                       =
===============================================================================
*** Sample ID: 00670682   030711     Seq:  184     13:29:36 07 Mar 11   HG
                          510-62490-A-2-G
Hg   -.009    ppb       .000  %  -.009                                      =
===============================================================================
*** Sample ID: 00670683   030711     Seq:  185     13:31:44 07 Mar 11   HG
                          510-62490-A-2-H MS
Hg    5.52    ppb       .000  %   5.52                                       =
===============================================================================
*** Sample ID: 00670684   030711     Seq:  186     13:34:00 07 Mar 11   HG
                          510-62490-A-2-I MSD
Hg    5.50    ppb       .000  %   5.50                                       =
===============================================================================
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Sample ID: 00670685 030711 Seq: 187 13:36:10 07 Mar 11 HG								
				510-62491-A-2-E				
Hg	.017	ppb	.000 %	.017				
*** Sample ID: 00670686 030711 Seq: 188 13:38:49 07 Mar 11 HG								
				510-62492-C-1-K				
Hg	.023	ppb	.000 %	.023				
*** Sample ID: 00670687 030711 Seq: 189 13:41:06 07 Mar 11 HG								
				510-62493-B-1-L				
Hg	.018	ppb	.000 %	.018				
*** Sample ID: 00670688 030711 Seq: 190 13:43:13 07 Mar 11 HG								
				510-62494-A-1-F				
Hg	.025	ppb	.000 %	.025				
*** Sample ID: 00670689 030711 Seq: 191 13:46:05 07 Mar 11 HG								
				510-62494-D-2-B				
Hg	.021	ppb	.000 %	.021				
*** Check Standard: 2 Ck2 CCV Seq: 192 13:48:22 07 Mar 11 HG								
Line	Flag	%Rcv.	Found	True	Units	SD/RSD		
Hg		97.8	4.89	5.00	ppb	.000 %		
*** Check Standard: 1 Ck1 CCB Seq: 193 13:50:49 07 Mar 11 HG								
Line	Flag	Found	Range(+/-)	Units	SD/RSD			
Hg		-.001	.200	ppb	.000 %			
*** Sample ID: 00670690 030711 Seq: 194 13:53:05 07 Mar 11 HG								
				510-62644-A-1-E				
Hg	9.05	ppb	.000 %	9.05				
*** Sample ID: 00670691 030711 Seq: 195 13:55:12 07 Mar 11 HG								
				510-62697-B-1-E				
Hg	-.024	ppb	.000 %	-.024				
*** Sample ID: 00670692 030711 Seq: 196 13:57:20 07 Mar 11 HG								
				510-62697-A-2-D				
Hg	.372	ppb	.000 %	.372				
*** Sample ID: 00670693 030711 Seq: 197 13:59:27 07 Mar 11 HG								
				510-62698-A-2-B				
Hg	.000	ppb	.000 %	.000				
*** Sample ID: 00670694 030711 Seq: 198 14:02:14 07 Mar 11 HG								
				510-62699-A-2-C				
Hg	-.009	ppb	.000 %	-.009				

```
Line   Conc.  Units     SD/RSD      1       2       3       4       5
-------------------------------------------------------------------------------

*** Sample ID: 00670695   030711     Seq:  199    14:04:23 07 Mar 11   HG
                          510-62700-A-1-F
Hg   -.009    ppb       .000  %  -.009
                                                                              =
==============================================================================
*** Sample ID: 00671181   030711     Seq:  200    14:06:55 07 Mar 11   HG
                          510-62763-B-1-A
Hg    .470    ppb       .000  %   .470
                                                                              =
==============================================================================
*** Sample ID: 00671251   030711     Seq:  201    14:09:05 07 Mar 11   HG
                          510-62781-I-1-A
Hg    .793    ppb       .000  %   .793
                                                                              =
==============================================================================
*** Sample ID: 00671252   030711     Seq:  202    14:11:14 07 Mar 11   HG
                          510-62781-I-1-B MS
Hg    6.33    ppb       .000  %   6.33
                                                                              =
==============================================================================
*** Sample ID: 00671253   030711     Seq:  203    14:13:25 07 Mar 11   HG
                          510-62781-I-1-C MSD
Hg    6.23    ppb       .000  %   6.23
                                                                              =
*** Check Standard: 2  Ck2 CCV      Seq:  204     14:15:42 07 Mar 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          96.8     4.84    5.00  ppb        .000  %
                                                                              =
*** Check Standard: 1  Ck1 CCB      Seq:  205     14:17:53 07 Mar 11   HG
Line  Flag  Found Range(+/-) Units      SD/RSD
Hg         -.007     .200     ppb        .000  %
                                                                              =
*** Sample ID: 00671254   030711     Seq:  206    14:20:13 07 Mar 11   HG
                          510-62781-I-2-A
Hg    .084    ppb       .000  %   .084
                                                                              =
==============================================================================
*** Sample ID: 00671255   030711     Seq:  207    14:22:23 07 Mar 11   HG
                          510-62781-I-3-O
Hg    .617    ppb       .000  %   .617
                                                                              =
==============================================================================
*** Sample ID: 00671256   030711     Seq:  208    14:24:40 07 Mar 11   HG
                          510-62781-I-4-A
Hg    .086    ppb       .000  %   .086
                                                                              =
==============================================================================
*** Sample ID: 00671257   030711     Seq:  209    14:26:52 07 Mar 11   HG
                          510-62781-I-5-A
Hg    .100    ppb       .000  %   .100
                                                                              =
==============================================================================
*** Sample ID: 00671627   030711     Seq:  210    14:29:00 07 Mar 11   HG
                          510-62800-A-1-A
Hg    .023    ppb       .000  %   .023
                                                                              =
*** Check Standard: 2  Ck2 CCV      Seq:  211     14:31:26 07 Mar 11   HG
Line  Flag  %Rcv.   Found    True  Units      SD/RSD
Hg          93.8     4.69    5.00  ppb        .000  %
                                                                              =
```

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Check Standard: 1 Ck1 CCB Seq: 212 14:33:33 07 Mar 11 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD	
Hg		-.047	.200	ppb	.000	%

=

METALS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 76967 Batch Start Date: 03/07/11 09:45 Batch Analyst: Nelson, Larry W

Batch Method: 3050B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MeicpPspk 00097	MELCSSOIL 00015	MEQC23 00029	MEQC7 00037
MB 510-76967/1		3050B, 6020		1.0 g	50 mL				
LCS 510-76967/2		3050B, 6020		1.0075 g	50 mL		1.0075 g		
510-62781-I-1	SB0058:TP1:000020	3050B, 6020	T	1.0070 g	50 mL				
510-62781-I-1 MS	SB0058:TP1:000020	3050B, 6020	T	1.0232 g	50 mL	2 mL		0.5 mL	1 mL
510-62781-I-1 MSD	SB0058:TP1:000020	3050B, 6020	T	1.0176 g	50 mL	2 mL		0.5 mL	1 mL
510-62781-I-2	SB0058:TP1:040050	3050B, 6020	T	1.0144 g	50 mL				
510-62781-I-3	SB0058:TP2:000020	3050B, 6020	T	1.0167 g	50 mL				
510-62781-I-4	SB0058:TP2:040050	3050B, 6020	T	1.0071 g	50 mL				
510-62781-I-5	SB0058: FIELD DUPLICATE	3050B, 6020	T	1.0041 g	50 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	AnalysisComment					
MB 510-76967/1		3050B, 6020		0307-1					
LCS 510-76967/2		3050B, 6020		0307-1					
510-62781-I-1	SB0058:TP1:000020	3050B, 6020	T						
510-62781-I-1 MS	SB0058:TP1:000020	3050B, 6020	T						
510-62781-I-1 MSD	SB0058:TP1:000020	3050B, 6020	T						
510-62781-I-2	SB0058:TP1:040050	3050B, 6020	T						
510-62781-I-3	SB0058:TP2:000020	3050B, 6020	T						
510-62781-I-4	SB0058:TP2:040050	3050B, 6020	T						
510-62781-I-5	SB0058: FIELD DUPLICATE	3050B, 6020	T						

METALS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 76967 Batch Start Date: 03/07/11 09:45 Batch Analyst: Nelson, Larry W

Batch Method: 3050B Batch End Date:

Batch Notes	
Balance ID	P-214046002
Hydrogen peroxide lot number	MEH202-00013
Lot # of hydrochloric acid	MEMSHCL-00020
Logbook ID for diluted Nitric	MEMSHNO3-00042
Lot # of Nitric Acid	MEMSHNO3-00042
Hood ID or number	8
Hot Block ID number	C
Oven, Bath or Block Temperature 1	95.0 Degrees C
Temperature	95.0 Degrees C
ID number of the thermometer	15437
Digestion Tube/Cup Lot #	101111

Basis	Basis Description
T	Total/NA

METALS BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 76834 Batch Start Date: 03/03/11 15:18 Batch Analyst: Nelson, Larry W

Batch Method: 7471A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MEhgicv 00073	MELCSSOIL 00015		
MB 510-76834/9		7471A, 7471A		1.0 g	50 mL				
LCS 510-76834/10		7471A, 7471A		0.1080 g	50 mL		0.108 g		
510-62781-I-1	SB0058:TP1:000020	7471A, 7471A	T	0.5234 g	50 mL				
510-62781-I-1 MS	SB0058:TP1:000020	7471A, 7471A	T	0.5197 g	50 mL	0.25 mL			
510-62781-I-1 MSD	SB0058:TP1:000020	7471A, 7471A	T	0.5010 g	50 mL	0.25 mL			
510-62781-I-2	SB0058:TP1:040050	7471A, 7471A	T	0.5178 g	50 mL				
510-62781-I-3	SB0058:TP2:000020	7471A, 7471A	T	0.5262 g	50 mL				
510-62781-I-4	SB0058:TP2:040050	7471A, 7471A	T	0.5265 g	50 mL				
510-62781-I-5	SB0058: FIELD DUPLICATE	7471A, 7471A	T	0.5141 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	MEHYDHCLNA-00035
Aqua Regia Lot Number	MEAQUA-00046
Balance ID	046001
Hood ID or number	8
Hot Block ID number	c
Potassium Permanganate Lot Number	MEHGKMNO4-00125
Oven, Bath or Block Temperature 1	95
ID number of the thermometer	15437
Digestion Tube/Cup Lot #	101111

Basis	Basis Description
T	Total/NA

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG No.:

Project: South Bend Former Studebaker Foundry

Client Sample ID	Lab Sample ID
SB0058:TP1:000020	510-62781-1
SB0058:TP1:040050	510-62781-2
SB0058:TP2:000020	510-62781-3
SB0058:TP2:040050	510-62781-4
SB0058: FIELD DUPLICATE	510-62781-5

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Valparaiso Job Number: 510-62781-1

SDG Number:

Matrix: Solid Instrument ID: GBALB

Analysis Method: Moisture RL Date: 11/15/2005 14:44

Prep Method:

Leach Method:

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.: 510-62781-1

SDG No.:

Instrument ID: GBALB Method: Moisture

Start Date: 03/05/2011 17:45 End Date: 03/05/2011 17:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				% Sol	Moist																		
MB 510-76924/1	1	T	17:45	X	X																		
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
ZZZZZZ			17:45																				
510-62781-1	1	T	17:45	X	X																		
510-62781-1 MS	1	T	17:45	X	X																		
510-62781-1 MSD	1	T	17:45	X	X																		
510-62781-2	1	T	17:45	X	X																		
510-62781-3	1	T	17:45	X	X																		
510-62781-4	1	T	17:45	X	X																		
510-62781-5	1	T	17:45	X	X																		
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:47																				

Prep Types
T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Valparaiso Job No.: 510-62781-1

SDG No.:

Batch Number: 76924 Batch Start Date: 03/05/11 17:45 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 510-76924/1		Moisture		1	000.9913 g	011.0052 g	0.9932 g		
510-62781-J-1	SB0058:TP1:000020	Moisture	T	9	001.0012 g	011.3377 g	10.1266 g		
510-62781-J-1 MS	SB0058:TP1:000020	Moisture	T	9	001.0012 g	011.3377 g	10.1266 g		
510-62781-J-1 MSD	SB0058:TP1:000020	Moisture	T	9	001.0012 g	011.3377 g	10.1266 g		
510-62781-J-2	SB0058:TP1:040050	Moisture	T	10	000.9937 g	011.6425 g	10.5392 g		
510-62781-J-3	SB0058:TP2:000020	Moisture	T	11	000.9952 g	011.4815 g	10.1051 g		
510-62781-J-4	SB0058:TP2:040050	Moisture	T	12	001.0208 g	011.5711 g	10.6383 g		
510-62781-J-5	SB0058: FIELD DUPLICATE	Moisture	T	13	001.0321 g	012.2019 g	11.2629 g		

Batch Notes	
Balance ID	13706717 No Unit
Date samples were place in the oven	3-5-11
Oven Temp when samples are put in oven	104.9 Degrees C
Time samples were place in the oven	16:30
Date samples were removed from oven	3-6-11
Oven Temp when samples removed from oven	103.9 Degrees C
Time Samples were removed from oven	11:20
Oven ID	wc-ovn-1
ID number of the thermometer	14-986-b-g
Uncorrected In Temperature	105.0 Celsius
Uncorrected Out Temperature	104.0 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
Client Contact: Ed Stefanek/Jodi Slough
Company: Weaver Boos Consultants LLC
Address: 4085 Meghan Beeler Court
City: South Bend
State, Zip: IN, 46628
Phone: 574-271-3447
Email: estefanek@weaverboos.com / jslough@weaverboos.com
Project Name: South Bend Former Studebaker Foundry
Site: South Bend Former Studebaker Foundry

Sampler: Jodi Slough
Phone: 574.271.3447 / 574.952.5280
Due Date Requested:
TAT Requested (days):
PO #: 0058-373-01
WO #:
Project #: 51001692
SSOW#:

Lab PM: Kintz, Robin M
E-Mail: robinm.kintz@testamericainc.com
Carrier Tracking No(s):
COC No: 510-14134.1
Page:
Job #:

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; M - Hexane; N - None; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - ph 4-5; Z - other (specify)
Other:

Sample Identification	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 Number of containers	Special Instructions/Note:
Preservation Code:							N	N	N	PF	PF	N	A		
1 SB0058:TP1:000020	3/3/11	1015	G	S	W	Y	✓	✓		✓	✓	✓		10	
2 SB0058:TP1:040050	3/3/11	1020	G	S	W	N	✓	✓		✓	✓	✓		10	
3 SB0058:TP2:000020	3/3/11	1040	G	S	W	N	✓	✓		✓	✓	✓		10	
4 SB0058:TP2:040050	3/3/11	1050	G	S	W	N	✓	✓		✓	✓	✓		10	
5 SB0058:MS	3/3/11	1035	G	S	W	Y	✓	✓		✓	✓	✓		10	
6 SB0058:MSD	3/3/11	1035	G	S	W	Y	✓	✓		✓	✓	✓		10	
7 SB0058:Field Duplicate	3/3/11	1030	G	S	W	N	✓	✓		✓	✓	✓		10	
8 Trip Blank	3/3/11	1100	G	S	W	N							✓	3	3 jars had bubbles / leaves cm 3/4
9 Sodium Bisulfate/Methanol Blank	3/3/11									✓	not originally on COC; Blank provided cm 3/4/11				

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 _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/3/11, 1520	UBC		3/3/11 1520	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3/3/11 1610			3/3/11 1610	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 5.8 °C Retrotot temp 5.9 °C S10-48-085

Page 1255 of 1257

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Login Number: 62781
List Number: 1
Creator: Looney, Christina M

List Source: TestAmerica Valparaiso

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.	False	Sodium Bisulfate/Methanol Blank not originally on COC, vials provided
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	3 of 3 vials for Trip Blank had bubble >6mm
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Login Sample Receipt Checklist

Client: Weaver Boos Consultants LLC

Job Number: 510-62781-1

Login Number: 62781
List Number: 1
Creator: Lunt, Jeff T

List Source: TestAmerica Chicago
List Creation: 03/05/11 09:11 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	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	